GM 38321

RAPPORT FIN DE FORAGE AVEC DIAGRAPHIE POUR LE PUITS SOQUIP-PETROFINA BAIE-DE-GASPE-NORD NO 1

LOI DES MINES

DEMANDE DE PERMIS POUR LE FORAGE D'UN NOUVEAU PUITS

C-99
Copie

(Cette demande en trois exemplaires, remplie en entier, et accompagnée de deux plans indiquant le site exact où l'on se propose d'effectuer un forage ou un sondage devra être soumise et approuvée avant le commencement des opérations).

En conformité avec la Loi des Mines et le "Règlement régissant l'exploration et la conservation du pétrole et du gaz naturel et la sécurité dans les travaux s'y rapportant", et des ordres ci-après, une demande est par la présente soumise en vue d'obtenir un permis de forage ou de sondage du:

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 6 AVR. 1982
No G.M.: 38321

SOQUIP-Petrofina Baie de Gaspé-Nord No 1
(Nom & numéro du puits)

Société Québécoise d'Initiatives Pétrolières
(Nom & adresse du propriétaire du puits

Sur le lot no Ptie lot No 2 Rang du Chemin Est
ou comté de Gaspé Paroisse St-Majorique
Permis 659 ( ) no
couvert par bail ( ) no

Le puits proposé sera situé à Long: 48°53'59.2"N Lat: 64°30'57.5"W UTM 5147200mN 388890mE zone No 20 approx
(coordonnées appropriées)

Altitude du terrain 500 pi. app. mètres au dessus du niveau de la mer

Type d'appareil de forage Rotatif neuf ou usagé usagé

TUBAGE:	Diamètre (mm)	Poids (kg/m)	Grade	Marque	Neuf ou usagé	Profondeur en mètres	Sacs de ciment
1er	340	91	K55		Neuf	60	11 tonnes
2ième	245	60	N80		Neuf	300	18 tonnes
3ième	140	23-25-30	K55-N80		Neuf	2800	120 tonnes
4ième							
5ième							

Horizons d'eau, de pétrole et de gaz naturel et méthode de contrôle anticipée:

A partir de 1700 mètres certains horizons non définis appr. 1700-2040-2300-2500 des surpressions seront contrôlées par une boue de forage alourdie et B.O.P. adéquats

Le puits sera foré par Regent Drilling Ltd. Edmonton Alberta
(Nom du contracteur)

Nom et adresse de l'agent ou du représentant de l'exploitant:

Mgr. Les Mines
Dept des Opérations

Nom de l'exploitant:

Société Québécoise d'Initiatives Pétrolières
3340 de la Pérade, Sainte-Foy

Signé par Claude Beaumont
Titre Chef du Service des Titres Fonciers
Date 13 février 19 81

(A l'usage exclusif du Ministère des Richesses naturelles)

APPROUVE

Permis no 99

Cette demande a été examinée et approuvée sous la réserve des conditions suivantes:

Voir lettre du 20 février 1981.

Date [illegible] 19 [illegible]

PROVINCE DE QUEBEC

Ministère des Richesses naturelles

Loi des Mines

C-99

AVIS SIGNIFIANT L'INTENTION D'ABANDONNER UN PUITS
OU DE SUSPENDRE LES TRAVAUX DE FORAGE

Ministère de l'Energie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 6 AVR. 1982
No G.M. [redacted] 38321

Au sous-ministre,
Ministère des Richesses naturelles, Québec.

Nous déclarons par la présente nous être conformés aux "Règlements régissant l'exploration et la conservation du pétrole et du gaz naturel et la sécurité dans les travaux s'y rapportant", et nous désirons obtenir la permission d'abandonner (X) ou de suspendre les travaux de forage ( ), le ou vers le 28e jour de Mai 1981, sur le puits connu comme SOQUIP-Petrofina Baie de Gaspé Nord No. 1 sur le lot No. 2 Rang du Chemin est Canton ou seigneurie Paroisse Ville de Gaspé Comté Gaspé

Couvert par: Permis de recherche No. 659 Bail d'Exploration No. _____
Permis de forage No. 99 Gaspésie

Raisons d'abandon ou de suspension du forage: Très faible indication d'hydrocarbures

L'équipement suivant: (appareil, chevalement, tubage) sera déménagé à La Baie, région de Baieville, Cté Yamaska

Le pétrole, et le gaz et l'eau rencontrés seront obturés comme suit:

Pétrole:	Bouchon No 1	2770-2740m	35 sacs ciment	classe "6"
	Bouchon No 2	1530-1500m	35 sacs ciment	classe "6"
Gaz:	Bouchon No 3	1330-1300m		
	Bouchon No 4	310-280m		
Eau:	Touché Bouchon No 3 à 1288m		20 sacs de ciment à la surface	
	Touché Bouchon No 4 à 284m		coupé le coffrage et soudé une plaque d'acier	

Le pétrole et le gaz seront contrôlés par: _____

La profondeur du forage était de 2771 pieds et les tubages ont été insérés:

Colonne de tubage	Diamètre (mm)	Poids (kg/m)	Libre, ancré, cimenté	Profondeur (mètres)	Intention de retirer, mètres
1er	344	81.1	cimenté	65	
2e	244.4	59.5	cimenté	294	
3e					
4e					

Les diagrammes suivants ont été obtenus Sonic-Gamma Rav. CNL-FDC-UDL-HDT

Autres opérations proposées _____

Opération à être effectuée par Halliburton Services Company

Adresse Sarnia, Ontario

Agent responsable sur le terrain Yvan Tessier

Daté à Sainte-Foy Québec, ce 27e jour de mai 1981

Signé par André Beauchemin Titre Chef du Service des Titres Fonciers

NOTE: Le ministre doit être notifié avant que les travaux commencent.

(A l'usage exclusif du ministère des Richesses naturelles)

APPROUVE

Cet avis a été examiné et les travaux proposés sont approuvés sous la réserve des conditions suivantes:

Daté le 15 juin 1981

Ministère des Richesses naturelles

C-97

RAPPORT FIN DE FORAGE

SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

Rapport No.: 11830

Projet No.: 2084

Mai 1981

Richard Théroux,
géologue.

Jean Boudreault,
ingénieur de forage.

RTh/cd/JB/mjm

TABLE DES MATIERES

I- RESUME

I- RESUME

SOQUIP Petrofina Baie de Gaspé-Nord No. 1 a été foré sur le permis du Québec no. 659 de la péninsule de Gaspé, par la foreuse no. 6 de Regent Drilling Ltd, d'une capacité de 4300 mètres.

Les objectifs de ce puits étaient:

1) de confirmer la présence des faciès récifaux de type West Point (Silurien supérieur - Dévonien inférieur).

2) de vérifier une anomalie sismique qui pouvait correspondre à un développement récifal dans le Silurien inférieur (Formations de Sayabec ou de Laforce).

3) de vérifier la présence des arénites quartzifères du Val-Brillant.

4) de vérifier le potentiel réservoir de fracture des orthoquartzites localement présentes dans le Cambro-Ordovicien.

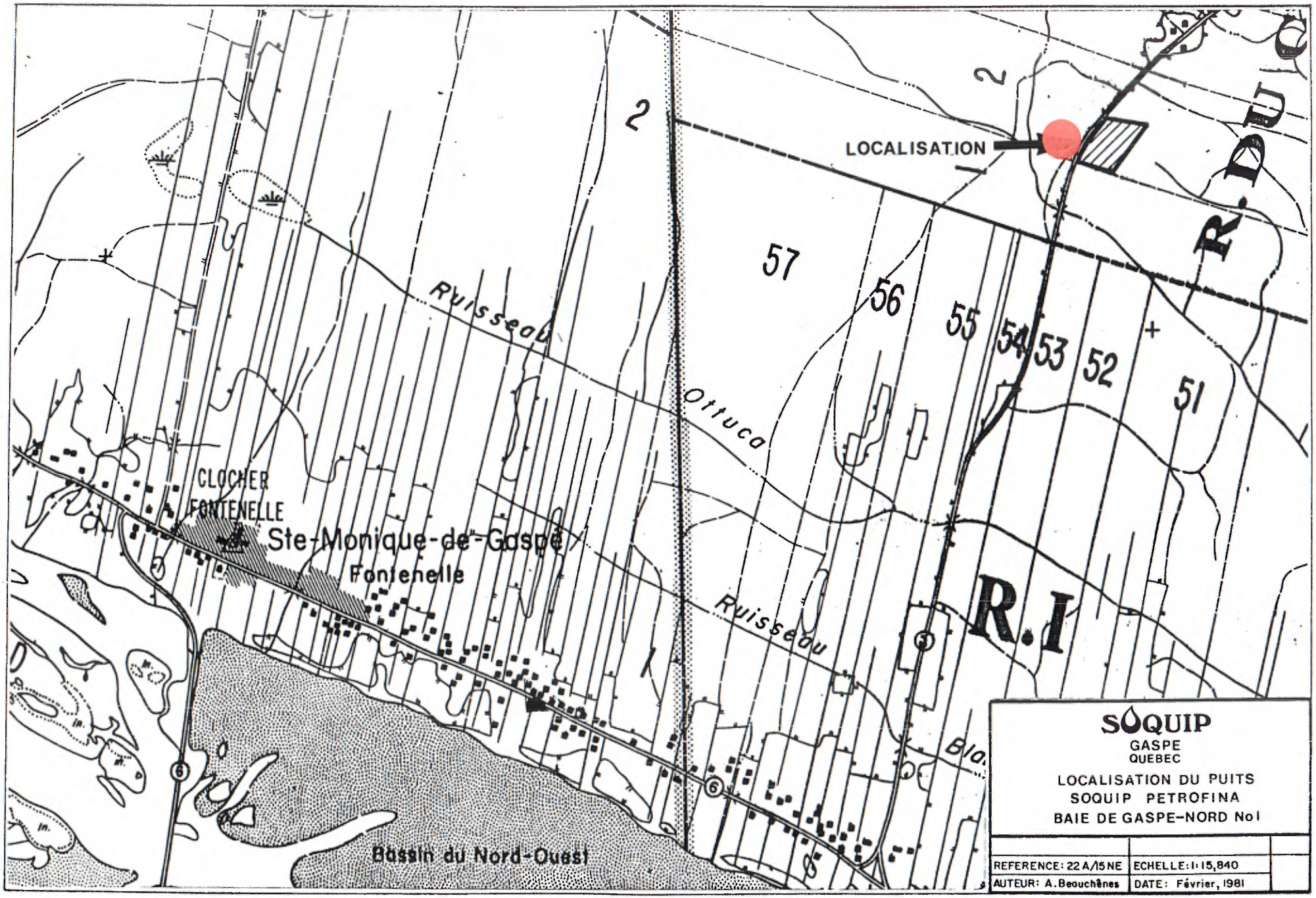
Aucun des objectifs visés n'étai~~ent~~t présent~~s~~ dans ce puits.

Le forage a traversé du sommet vers la base 20,73 de mort-terrain, 793 mètres de Battery Point, 333 mètres de York River, 114 mètres d'Indian Cove, 98 mètres de Shiphead, 221 mètres de Forillon, 288 mètres d'Indian Point dont 87 mètres de Cape Road, 71 mètres possiblement de Quay Rock et 130 mètres de Rosebush Cove, 42 mètres de Roncelles, 562 mètres possible de Griffon Cove River et 294 mètres de métavolcaniques et de métasédiments associés au Groupe de Shicshock pour une profondeur totale de 2771 mètres (KB).

Huit (8) essais aux tiges furent effectués sans grand succès, aucun indice de gaz fut enregistré. Un indice d'huile dans le DST no. 3 est à noter (8 m de boue de forage avec de l'huile, 14% d'huile/volume).

Quatre (4) diagraphies furent prises: le "Borehole Compensated Sonic Log" (intervalle: 294 à 2769,5 m), le "Dual Laterolog" (intervalle: 294 à 2765,5 m), le "Compensated Neutron-Formation Density" (intervalle: 294 à 2770 m) et le "Continuous Dipmeter" (intervalle: 294 à 2769,5 m).

Une carotte fut prise dans l'intervalle 2647 - 2652,25 dont 5,09 mètres (97%) fut récupéré.


LOCALISATION
R.D.U.
R.I
Ruisseau
Ottuca
Ruisseau
CLOCHER
FONTENELLE
Ste-Monique-de-Gaspé
Fontenelle
Bassin du Nord-Ouest
2
2
57
56
55
54
53
52
51
SOQUIP
GASPE
QUEBEC
LOCALISATION DU PUITS
SOQUIP PETROFINA
BAIE DE GASPE-NORD No1
REFERENCE: 22 A/15 NE
ECHELLE: 1:15,840
AUTEUR: A. Beauchênes
DATE: Février, 1981

II- INFORMATIONS GENERALES

II- INFORMATIONS GENERALES

Nom du puits	:	SOQUIP Petrofina Baie de Gaspé-Nord No. 1
Foreuse	:	Regent Drilling, Rig no. 6
Opérateur	:	SOQUIP 3340 de la Pérade SAINTE-FOY (Québec) GIX 2L7
Contracteur	:	Regent Drilling Ltd 12912 - 125 Avenue EDMONTON (Alberta)
Permis	:	Permis du Québec no. 659
Localisation	:	N 5 417 178,42 m (48°53'48.7") Zone 20 E 388 957,22 m (64°31'02.4")
Elévation	:	Sol: 117,23 m K.B.: 122.5 m
Ligne sismique	:	P31
Point de tir	:	309
Profondeur totale	:	2 771 m (K.B.)
Début du forage	:	7 mars 1981
Fin du forage	:	20 mai 1981
Fin des travaux	:	28 mai 1981
Statut	:	Sec et abandonné

III- GEOLOGIE

1) Sommets des unités lithostratigraphiques

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1) Sommets des unités lithostratigraphiques

	K.B.	Sous le niveau de la mer	Epaisseur
Mort-terrain	5,27 m	+ 117,23 m	20,73 m
Battery Point	26,0 m	+ 96,5 m	793 m
York River	819 m	- 696,5 m	333 m
York Lake ?	1136 m	-1013,5 m	16 m
Indian Cove	1152 m	-1029,5 m	114 m
Shiphead	1266 m	-1143,5 m	98 m
Forillon	1364 m	-1241,5 m	221 m
Indian Point	1585 m	-1462,5 m	288 m
Cape Road	1585 m	-1462,5 m	87 m
Quay Rock?	1672 m	-1549,5 m	71 m
Rosebush Cove	1743 m	-1620,5 m	130 m
Roncelles	1873 m	-1750,5 m	42 m
West Point et Griffon Cove River	1915 m	-1792,5 m	562 m
Cambro-Ordovicien	2477 m	-2354,5 m	294 m
PROFONDEUR TOTALE	2771 m	-2648,5 m	

III- GEOLOGIE

2) Description générale des retailles

III- GEOLOGIE

2) Description générale des retailles

A) 5 - 25 m : Mort-terrain, sable non consolidé, qui se compose surtout des grès divers avec des siltstones. Ces lithologies sont comparables aux formations sous-jacentes (Battery Point et York River).

B) 25 - 825 m : Principalement un grès, coloré, gris verdâtre, grains fins à moyens, localement grossiers, à grains de quartz sub-anguleux à sub-arrondis généralement mal triés avec feldspaths roses, contenant une matrice argileuse, parfois à ciment siliceux. (Grès, type Battery Point). Ce grès est légèrement interstratifié avec un siltstone gris verdâtre foncé à moyen, homogène, localement gréseux et micacé, devient plus abondant vers 250, 400, 590, 710 m. Localement nous retrouvons en trace un siltstone (fraction silteuse du grès) contenant les mêmes caractéristiques que le grès avec une présence vers 280, 455, 485, 590.

En abondance entre 100-205 m, nous avons un grès rouge, brun rougeâtre, grains moyens à grossiers, argileux, à lithiques variés. Ce grès passe localement à un siltstone grossier (255, 390, 405).

C) 825 - 1150 m : Grès, gris verdâtre, grains fins à moyens (sans feldspaths roses) à grains de quartz, sub-anguleux à sub-arrondis, mal triés, à matrice argileuse. Présence et abondance entre 825 et 855 m, 905 et 950 m et à la partie inférieure 1000 et 1045 m d'un siltstone gris verdâtre, grossier, de mêmes caractéristiques que le grès entre 825 et 845, 950 et 980 et entre 1045 et 1050 m.

A partir de 1130 jusqu'au toit des calcaires, les siltstones contiennent une fraction carbonatée marquant une certaine transition.(York Lake)

De trace à présence, nous rencontrons dans la partie inférieure un grès gris clair, localement blanc, à grains fins à grains de quartz sub-arrondis, moyennement triés, à ciment siliceux (1090, 1135).

D) 1150 - 1265 m : Nous observons surtout un calcaire gris brunâtre à brun variant de pâle à moyen, parfois foncé, argileux, peu silteux à très silteux lorsque gris, généralement à spicules d'éponges lorsque brun (wackestone, packstone à spicules), siliceux contenant parfois de la porcelanite (chert), variant de légèrement dolomitique à dolomitique. Ce calcaire est lié à la présence d'un calcaire beige à blanc friable, pouvant contenir des spicules. Ce calcaire provient de l'écrasement du calcaire gris brunâtre par le trépan. Les retailles sont striées en surface également par l'action du trépan.

E) 1265 - 1370 m : Siltstone gris moyen brunâtre à brun grisâtre, calcareux à très calcareux, siliceux à divers degrés, légèrement dolomitique, parfois argileux (mudstone). Ce siltstone est également lié à un siltstone beige, friable provenant du trépan.

Au sommet de l'intervalle, nous observons en trace un calcaire blanc, localement légèrement brunâtre contenant essentiellement des crinoïdes (calcarénite à calcirudite fine à crinoïdes), peut être en partie recristallisé ?

En légère trace dans la partie médiane et inférieure un siltstone gris très clair à clair, non calcareux à peu calcareux semble s'interstratifier avec le siltstone gris moyen brunâtre.

F) 1370 - 1590 m : Le calcaire est généralement identique à la zone "D" montrant par contre une dolomitisation plus abondante. Dolomitisation qui s'accentue sous 1450 m laissant apparaître possiblement des dolomies.

Le pourcentage de retailles écrasées par le trépan est resté identique à la zone "D".

De 1375 à 1385, on notera la présence d'un calcaire brun pâle à moyen, très pur "lithographique".

G) 1590 - 1670 m : Essentiellement un siltstone gris clair à moyen, passablement à fortement dolomitique, également associé à un siltstone friable produit du trépan.

A la partie inférieure de cet intervalle sous 1655 apparaît de trace à présence un siltstone (mudstone) gris clair verdâtre à vert pâle, argileux

lorsque vert pâle (mudstone) légèrement calcareux lorsque gris clair, légèrement dolomitique et micacé.

H) 1670 - 1875 m : De 1670 à 1830 m nous trouvons principalement un siltstone (mudstone) gris clair verdâtre à vert pâle, identique à la partie inférieure de l'intervalle "G" interstratifié entre 1680 et 1725 m, entre 1750 et 1760 ainsi qu'entre 1810 et 1830 m avec un siltstone (mudstone) brun rougeâtre, localement gris rougeâtre, généralement argileux lorsque brun rougeâtre, légèrement dolomitique et micacé.

Entre 1670 et 1680 m, et entre 1740 et 1750 m, le siltstone gris verdâtre semble interstratifié avec un calcaire brun pâle à moyen, localement grisâtre, silto-argileux et légèrement dolomitique. L'absence d'un siltstone brun rougeâtre est notée dans ces deux zones.

En trace et d'une façon constante nous observons un siltstone beige friable provenant de l'action du trépan.

De 1830 à 1875 m, nous retrouvons surtout un siltstone gris verdâtre à vert interstratifié dans la moitié supérieure avec un siltstone (mudstone) gris clair à moyen brunâtre à brun moyen à foncé, calcareux légèrement dolomitique contenant très rarement des crinoïdes et des brachiopodes.

I) 1875 - 1915 m : Siltstone à mudstone gris clair à moyen brunâtre (siltstone) à brun moyen à foncé (mudstone), calcareux, légèrement dolomitique contenant de rares crinoïdes et brachiopodes.

J) 1915 - 1945 m : Calcaire (20-40%) blanc, parfois légèrement brunâtre à brun pâle contenant essentiellement des crinoïdes et des stromatopores interstratifié avec un grès conglomératique vert bouteille foncé à pâle à jaune pâle, localement fin à grossier à quartz anguleux, mal triés, très chloriteux à peu chloriteux avec des fragments de quartz incolore et de micaschiste (schiste à chlorite).

K) 1945 - 2475 m : Semble surtout un grès conglomératique vert bouteille foncé à pâle, parfois jaune verdâtre, très fin à grossier, à grains de quartz subanguleux, mal trié, très chloriteux à peu chloriteux, interstratifié localement en abondance entre 2090 et 2120 m, entre 2170 et 2205 m et

entre 2345 et 2365 avec un siltstone conglomératique vert bouteille foncé localement jaune verdâtre chloriteux et généralement présent entre 2405 - 2475 m.

De trace à présence dans tout l'intervalle, nous trouvons un schiste à chlorite vert foncé, localement légèrement finement arénacé; il est plus abondant entre 2335 et 2365 m.

L) 2475 - 2771 m : PROFONDEUR TOTALE

Apparaît tout comme le grès conglomératique sus-jacent mais il contient beaucoup plus de schiste à chlorite. Ces roches dans l'ensemble ont perdu leur aspect sédimentaire. Elles sont métamorphisées et elles semblent être constituées de métasédiments (lames minces) et pourraient contenir des roches ignées (lames minces).

L'intervalle "K" est également constitué des mêmes métasédiments et métavolcaniques. La distinction entre la zone "K" et "L" est purement physique et n'a pu être établie sur des retailles.

Les zones "K" et "L" contiennent en trace des sulfures disséminés (pyrite, chalcopyrite, bornite, etc (non déterminés)).

IV- INGENIERIE

IV- INGENIERIE

1. Carottage

Une carotte a été prise de 2647 à 2652 mètres. La récupération de cette dernière, telle que mesurée à sa sortie, a été de 100%.

IV- INGENIERIE

2. Analyse de carotte

NIL

IV- INGENIERIE

3. Diagraphies électrigues

1.	Sonic Gamma-Ray - Caliper	2769.5 m - 294 m
2.	VDL - Gamma-Ray	2000 m - 294 m
3.	DLL - Gamma-Ray - Caliper	2765.5 m - 294 m
4.	CNL, FDC Gamma-Ray - Caliper	2770 m - 300 m
5.	HDT	2769.5 - 300 m

IV- INGENIERIE

4. Essais aux tiges

Huit (8) essais aux tiges ont été effectués à la fin de ce forage utilisant le "inflatable straddle packer" de la compagnie Lynes united Services.

Les intervalles testés ont été les suivants:

DST no. 1	1460 - 1470 m	
DST no. 2	1409 - 1429 m	
DST no. 3	1355 - 1375 m	
DST no. 4	1170 - 1198 m	
DST no. 5	1126 - 1161 m	
DST no. 6	856 - 873 m	ces deux DST's ont été faits au cours du même voyage
DST no. 7	810 - 827 m	
DST no. 8	1570 - 1585 m	

IV- INGENIERIE

5. Analyse de gaz

Aucun

IV- INGENIERIE

6. Analyse des fluides

Aucune

IV- INGENIERIE

7. Problèmes de forage

Le principal problème lors du forage de ce trou fut le contrôle de la déviation. En effet, de 1000 à 1600 m on a du utiliser le dynadrill et un "bent sub" afin de pouvoir garder le trou dans une position telle à atteindre l'objectif final.

De plus, les deux cent derniers mètres ont donné des problèmes de torque et de frottement. Lors de la sortie des tiges, de l'huile diesel et du teflon ont été ajoutés au système de boue pour améliorer la situation.

IV- INGENIERIE

8. Relevés de déviation

Des relevés de déviation directionnels et non directionnels ont été pris aux intervalles suivants:

Déviation (°)	Profondeur (m)	Déviation (°)	Profondeur (m)
1	24	3½	640
1¼	44	3½	668
1¼	65		
1¾	80	3¾ N50E	688
1¼	93	3¾	714
1½	112	4	733
1½	131	4 1/8	758
1½	149	4 1/8	783
1½	169	4 1/8	801
1¾	188	4½	829
1¾	197	4½	839
1½	216	5½	858
1¾	235	4¾	867
2	254	5	885
2	273	6	913
2	292	5¾	942
2½	305	6	981
2½	314	5¼ N51E	1001
2¼	324	4	1011
2¼	330	4¼	1018
2¼	348	4	1034
2½	376	4	1044
2¼	404	4	1056
2½	423	4	1066
2½	442	4 1/8	1075
2¾	462	4¼	1085
2¾	481	4½	1094
2¾	509	4¼	1104

8. relevés de déviation suite...

Déviation (°)	Profondeur (m)
3	537
3	574
3 1/8	602
4	1169
4¼	1178
3	1197
3	1207
3	1216
3 1/8	1226
3¼	1235
3½	1245
3¾	1254
3¾	1263
4	1273
4 1/8	1282
4¼	1292
4½	1301
4¾	1310
4	1338
4 1/8	1348
4¼	1357
4½	1366
4 1/8	1376
4 1/4	1385
4½	1393
4½	1403
4½	1413
4¾	1422
3 7/8 (N70E)	1443
4	1450

Déviation (°)	Profondeur (m)
4½	1123
5 N52E	1132
4	1160
2¾	1600
3	1609
3	1619
3¼	1629
3¼	1638
3¼	1648
3½	1658
3¾	1666
3¾	1675
3¾	1685
3 7/8	1695
4 N80E	1698
4 1/8	1714
4 1/8	1733
4½	1769
5 N78E	1773
5	1789
5½	1817
5½ N75E	1830
5½	1836
5	1864
5¼	1893
5¼ N68E	1896
5	1921
5½	1950
6	1980

.../3

8. Relevés de déviation suite..

Déviation (°)	Profondeur (m)
4 1/8	1478
4	1487
3¼ (S75E)	1496
2¼	1524
2½	1543
3	1563
3	1572
3	1581
3	1591

Déviation (°)	Profondeur (m)
6N67E	1983
7	2008
8	2036
8½	2055
8N57E	2058
9	2080
8¾	2111
8¾	2139
9	2167
9¼	2195
9½	2208
10½	2233
11	2271
12	2291
12	2328
12½	2345
13	2375
13½	2396
13½	2421
14	2450
15	2479
15	2507
15½	2544
15½	2569
16	2601
16½	2630
21	2771

A 2060 m: ΔZ = 2055 m K.B. ΔH = 130.22 m. Déviation N57E magnétique.

PROFONDEUR TOTALE : 2771 m

IV- INGENIERIE

9. Liste des trépans

feuille suivante

SOQUIP

SOQUIP PETROFINA GASPE-NORD NO.1

liste des trépans

NUMERO	DIAMETRE mm	MARQUE	MODELE	NUMERO DE SÉRIE	SORTIE m	AVANCEMENT m	HEURES	2 h	min	FORCE da	RPM	DEVIATION	JETS mm	l/min	PRESSION kPa	DENSITE kg/m³	VISCOSITE s/L	pH	PERTE D'EAU cm³	ETAT DU TREPAN T	B	G	REMARQUES
1A	311	H.W.	X1G	45472	54	54	10¾	10¾	5,02	1000	90	1¼	11.9 11.0 11.0				190	11.0	n-c	4	2	1	
2A	311	H.W.	XDV	56486	65	11	4½	15¼	2,44	1000	90	1¼	12 11 11				190	11.0	n/c	1	1	1	
H01	444.5	SEC.	B17	-	65	65	11¼	-	5,78	1000	80	-	NIL				190	11.0	n/c	couteaux usagés			
1B	311	H.W.	XDV	56486	80	15	3¼	18½	4,62	2000	70	1¾	12 11 11	1250	2500	1050	50	11.0	"	3	1	1	RR
2B	311	H.W.	JD7	45553	149	69	23½	42	2,94	4000	80	1¾	12 11 11	1250	2800	1050	55	11.5	"	4	2	1	
3B	311	H.W.	JD7	45376	255	106	35¾	77¾	2,97	7000	55	2	12 11 11	1250	3000	1055	55	11.0	"	3	2	0-3 mm	
4B	311	H.W.	H77SG	971717	294	39	11¾	89½	3,32	7000	55	2	12 12 12	1250	3000	1055	65	11.5	"	3	2	1	
1C	216	REED	S21G	NCP250	324	30	14¼	103¾	2,11	3000	75	2½	12 12 12	935	2000	1045	55	11.0	"	4	2	1	
2C	216	REED	S21G	NCP251	449	125	45¼	149	2,76	6000	65	2½	12 12 12	935	1800	1040	65	11.5	"	6	3	1	
3C	216	SEC.	DMJ	851116	552	103	28½	177½	3,61	7000	60	3	10 10 10	935	2300	1040	60	11.5	"	6	4	1	
4C	216	SEC.	M4NJ	212263	631	79	24¾	202¼	3,19	6000	60	3½	10 10 10	935	3000	1030	60	11.5	"	6	3	0-2 mm	
5C	216	SMITH	SL4H	428AT	696	65	34	236¼	1,91	7000	65	4	10 10 9,5	935	3300	1050	70	11.0	"	4	2	1	
6C	216	REED	S21G	931104	758	62	29	265¼	2,14	5000	75	4	9,5 9,5 9,5	935	3700	1050	65	11.5	"	5	3	0-4 mm	

SOQUIP PETROFINA GASPE-NORD NO.1 liste des trépans

NUMERO	DIAMETRE mm	MARQUE	MODELE	NUMERO DE SERIE	SORTIE m	AVANCEMENT m	HEURES	m/h	m/h	FORCE da	RPM	DEVIATION	JETS mm	l/min	PRESSION kPa	DENSITE kg/m³	VISCOSITE s/l	pH	PERTE D'EAU cm³	ETAT DU TREPAN T	B	G	REMARQUES
7C	216	HW	J44	66115	858	100	46¾	312	214	6000	80	4½	10 9,5 9,5	935	3500	1030	65	11.0	n/c	4	3	1	
8C	216	HW	J55	46780	914	56	32¼	344¼	174	7000	80	6	10 9,5 9,5	935	4200	1060	65	11.5	n/c	2	1	1	
9C	216	HW	J22	41497	981	67	30¼	374½	221	5000	80	6	9,5 9,5 9,5	935	6000	1050	65	11.5	n/c	2	2	1	
10C	215	BOART	TB 593	81132	1001	20	16¼	390¾	123	4000	4004	4	NIL	1090	4000	1050	55	11.5	n/c	B	0	N	directionnel au diamant
RR 11C	216	HW	J22	41497	1021	87	39½	400	220	5000	80	4	9,5 9,5 9,5	1300	4000	1030	60	11.2	n/c	2	2	1	RR9C
RR 12C	215	BOART	TB 593	81132	1021	20	17¼	401	116	4000	1000	4	--	1300	3000	1030	60	11.5	n/c	B	0	N	RR10C
13C	216	SMITH	F4	BD 5379	1045	24	9¼	410¼	259	4000	350	4	--	1150	6000	1040	65	11.5	n/c	4	3	2	
RR 14C	216	HW	J22	41497	1132	174	77¼	448	225	4000	80	5	--	1150	6000	1050	65	11.5	n/c	4	3	2	RR 9C
15C	216	HW	JD7	26289	1135	3	2½	450½	120	4000	350	5	--	130	3500	1050	70	11.5	n/c	8	6	1	
RR 16C	215	BOART	TB 593	81132	1135	20	18¼	451½	110	4000	350	5	--	1300	3500	1050	70	11.5	n/c	B	0	N	RR100
17C	216	HW	J33	63839	1158	23	10½	462	219	4000	350	4	--	1200	5000	1050	60	11.0	n/c	7	7	2	
18C	216	SMITH	F3	BN 6603	1180	22	16¾	478¾	131	5000	80	4¼	--	1100	5000	1050	60	11.0	n/c	5	3	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1180	0	[illegible]	[illegible]	[illegible]	4000 / 5000	[illegible]	[illegible]	[illegible]	1100	5000	[illegible]	65	11.0	n/c	7	4	1	

SOQUIP PETROFINA GASPE-NORD NO. 1 — liste des trépans

NUMERO	DIAMETRE mm	MARQUE	MODELE	NUMERO DE SÉRIE	SORTIE m	AVANCEMENT m	HEURES	m/h	m/h	FORCE daN	RPM	DEVIATION	JETS mm	μmm	PRESSION kPa	DENSITE kg/m³	VISCOSITE s/l	pH	PERTE D'EAU cm³	ETAT DU TREPAN T	B	G	REMARQUES
20C	216	HW	J33	71277	1310	121	63	553	1.92	10000 / 8000	65	4½	9.5 9.5 9.5	1000	4000	1030	60	11.0	n/c	6	4	1	
21C	216	SMITH	F3	8J6378	1328	28	18½	571½	1.51	4000	350	4	--	1000	5000	1060	75	11.0	15	3	3	1	
22C	"	SMITH	F2	BJ1883	1422	84	65		1.29	8000	65	4¾	9.5 8.7 8.7	1000	5000	1060	80	11.0	18	6	2	0-2mm	
23C	"	HW	J33	72176	1443	21	19½		1.08	4000	350	4	Dy-na	1200	4000	1050	75	11.5	18	8	4	0-4mm	
RR 24C	"	SEC	S88	530942	1460	(17)	(11)		(1.55)	8000	65	4	Dy-na	1000	5500	1060	75	11.5	18	B	0	N	
RR 25C	"	HW	J44	66111	1463	(3)	(5)		0.60	4000	350	4	9.5 9.5 8.7	1200	4000	1050	75	11.5	20	8	3	1	
26C	"	HW	J55	62075	1465	2	2½		0.80	4000	350	4	Dy-na	1200	4000	1050	75	11.5	20	3	5	1	
27C	"	SMITH	F3	BF0040	1481	16	10		1.60	8000	65	4	9.5 9.5 8.7	900	5400	1050	70	11.5	25	2	1	1	
28C	"	SMITH	F3	BH3787	1513	32	19½		1.64	4000	350	3¼	9.5 9.5 8.7	1130	3500	1050	65	11.5	22	5	3	0-1mm	
RR 29C	"	SMITH	F3	BJ6378	1658	173	103½ (85)		1.67	10000	65	3½	9.5 9.5 8.7	900	5200	1050	70	11,5	22	7	7	0-6mm	RR21C
30C	"	HW	J33	71145	1954	296	110¾		2.67	17000	65	5½	9.5 9.5 8.7	900	5700	1055	75	11.5	25	6	3	0-1mm	
31C	"	SMITH	F3	BH1854	2080	126	62		2.03	16000 / 14000	60	8	9.5 8.7 8.7	900	6000	1055	70	11.5	27	7	7	0-20mm	
32C	"	HW	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	65	[illegible]	8.7 8.7 [illegible]	[illegible]	[illegible]	[illegible]	65	11.5	27	6	4	1	

SOQUIP PETROFINA GASPE-NORD NO.1 liste des trépans

NUMERO	DIAMETRE mm	MARQUE	MODELE	NUMERO DE SERIE	SORTIE m	AVANCEMENT m	HEURES	% h	m/h	FORCE da	RPM	DEVIATION	JETS mm	l/min	PRESSION kPa	DENSITE kg/m3	VISCOSITE s/l	pH	PERTE D'EAU cm3	ETAT DU TREPAN T	B	G	REMARQUES
33C	216	HW	J55	58277	2261	53	24½		216	16000	55	11	8,7 8,7 8,7	900	6500	1060	60	11.5	20	3	2	1	
34C	216	SEC	M89TF	947957	2345	84	48½		173	18000	55	12	8,7 8,7 8,7	900	7500	1060	75	11.5	18	7	7	1	
35C	216	HW	RG7XJ	FM457	2396	51	32¾		156	18000	55	13	8,7 8,7 8,7	900	7000	1060	60	11.5	20	7	3	1	
36C	216	SMITH	F7	BE7361	2518	122	61¼		159	18000	55	15	9,5 8,7 8,7	900	6500	1050	70	11.5	20	7	4	1	
37C	216	SMITH	F7	BD5728	2569	51	31¼		163	18000	55	15½	9,5 8,7 8,7	900	7500	1050	65	11.5	21	7	3	2m	
38C	216	REED	FP83J	72951	2618	49	36¾		133	18000	55	16½	8,7 8,7 8,7	900	7500	1050	65	11.0	20	8	4	2mm	
39C	216	HW	J77	75399	2647	29	20¼		143	18000	55		8,7 8,7 8,7	900	7000	1040	60	11.0	24	7	3	1	
40C	215	BOART	CB203	81019	2652	5	9¼		054	9000	75		-	1200	7000	1040	60	11.0	24	B	ONNE		Carotte no.1
41C	216	HW	J77	75402	2657	5	9		056	1300	55	21	8,7 8,7 8,7	900	7500	1035	65	11.0	26	6	3	1mm	Alésage difficile
42C	216	HW	J77	56031	2771	44	71		160	18000	55		8,7 8,7 8,7	950	7000	1050	70	11.5	25	4	2	1	

PROFONDEUR TOTALE 2771 mètres

IV- INGENIERIE

10. Coffrage & cimentation

feuilles suivantes

SOQUIP

COFFRAGE: Conducteur _____ "OD

MISE EN PLACE ET CIMENTATION

DATE: 81-03-08

1. Puits: SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1 Location: 5 417 178 m N

UTM: 20 388 957 m E

Niveaux: KB: 122,50 m Sol: 117,23

Profondeur totale: 65.5 KB Diamètre: 444.5

Type de boue: GEL Poids: 1030 Viscosité: 180 Perte d'eau: n/c

2. Coffrage

Longueur totale: 65,00 m Sabot @ NIL

Collet de flottaison @ NIL

Mise en place: début _____ fin _____ circulation ¾

Remarques: _____

3. Cimentation

Compagnie: HALLIBURTON Opérateur: K. Blair

Quantité de ciment: 13.2 tonnes de ciment classe G en vrac

Liquide de pointe: Eau et SAPP

Mélange du ciment: début 18h28 fin 18h45 densité moyenne 1895

Déplacement: volume 4,5 m^3 début 18h53 fin 18h57

Pression de pompage maximum 2 MPa retour du ciment: oui/~~non~~

Remarques: -------

SOQUIP

informations sur le coffrage

SOQUIP PETROFINA

coffrage conducteur 340 mm

coffrage de surface

coffrage intermédiaire

coffrage production

"liner"

nom du puits BAIE GASPE-NORD NO.1 localisation date 81-03-08

nombre de sections sur la location	mètres sur la location	pds	grade	gamme	filets	filets et manchon	marque	nombre de sections entrées	profondeur	mètres puits
9	85.88	81	K55		8RD	Court	SAPAN	7.	66.75	66.75

sabot : marque	type	longueur	.42
collet : marque	type	longueur	
manchon de pose (si utilisé) longueur			
longueur totale de la colonne de coffrage			67.07
nombre de mètres excédant la table de rotation (soustraire)			2.17
profondeur de mise en place	foreur 65.2	mesuré	65.00
section du sabot	hors tout	soustraire	
collet de flottaison (profondeur)	foreur laissé 10 m de ciment	mesuré	

CENTREURS

marque Halliburton

nombre 3

positions

RACLEUR DE PAROIS

marque NIL

nombre

positions

no. des collets soudés

remarques

représentant de l'opérateur Yvan Tessier

C-3171

SOQUIP

"PIPE TALLY SHEET"

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1 DATE 81-03-07

1	9.74									
2	8.54									
3	9.80									
4	9.72									
5	9.59									
6	9.61									
7	9.75									
8	9.13									
9	10.00									

Dia. ext. 339.7

Poids 81

Type K55

Grandeur ---

Filets 8RD

Manchons courts

Marque JAPAN
NEWESTMINSTER

	SOMMAIRE
1	
2	
3	
4	
5	
	85.88

	TOTAL
pge 1	
pge 2	
pge 3	
pge 4	
	85.88

Nombre de sections:

Livrées au site 9

Laissées en surface 2
(incluant la section supérieure)

En permanence dans le puits 7

Remarques

Mesuré par Regent Crew Représentant de l'opérateur Y.Tessier

SOQUIP

COFFRAGE: Surface 245mm "OD

MISE EN PLACE ET CIMENTATION

DATE: 81-03-14

1. Puits: SOQUIP PETROFINA BAIE GASPE-NORD NO. 1 Location: 5 417 178 m N

UTM:20 388 957 m E

Niveaux: KB: 122.50 Sol: 117,23

Profondeur totale: 294 m KB Diamètre: 311

Type de boue: Gel KCl SS100 Poids: 1055 Viscosité: 65 Perte d'eau: n/c

2. Coffrage

Longueur totale: 294 m KB Sabot @ 244 m KB

Collet de flottaison @ 283,78 KB

Mise en place: début _____ fin _____ circulation _____

Remarques: _____

3. Cimentation

Compagnie: Halliburton Opérateur: K. Blair

Quantité de ciment: 21 tonnes ciment classe G en vrac et 2% CaCL2

Liquide de pointe: Eau et SAPP

Mélange du ciment: début 12h09 fin 12h34 densité moyenne 1895

Déplacement: volume 11m^3 début 12,42 fin 13h04

Pression de pompage maximum 7 MPa retour du ciment: oui/~~XXX~~n

Remarques: -----

SOQUIP

informations sur le coffrage

SOQUIP PETROFINA

coffrage conducteur
coffrage de surface 245
coffrage intermédiaire
coffrage production
"liner"

nom du puits BAIE DE GASPE-NORD NO.1 localisation Québec date 81-03-14

nombre de sections sur la location	mètres sur la location	pds	grade	gamme	filets	filets et manchon	marque	nombre de sections entrées	profondeur	mètres puits
29	329.68	59.52	N80		8Rd	Longs	Algo.	26	294.18	294.18

sabot : marque Halliburton	type	longueur	0.31
collet : marque Halliburton	type	longueur	0.49
manchon de pose (si utilisé) longueur			
longueur totale de la colonne de coffrage			
nombre de mètres excédant la table de rotation (soustraire)			1.00
profondeur de mise en place	foreur	mesuré	294
section du sabot	hors tout	soustraire	10.22
collet de flottaison (profondeur)	foreur	mesuré	283.78

CENTREURS

marque Halliburton
nombre 6
positions 292-284-260-239-205 et 60

RACLEUR DE PAROIS

marque
nombre
positions

no. des collets soudés 0

remarques

représentant de l'opérateur Yvan Tessier

C-3171

SOQUIP

"PIPE TALLY SHEET"

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO. 1 DATE 81-03-13

1	10.22	21	11.29						
2	11.77	22	11.00						
3	10.80	23	11.50						
4	10.31	24	10.75						
5	11.67	25	11.67						
6	11.17	26	11.32						
7	12.40	27	11.74						
8	10.87	28	11.86						
9	12.62	29	11.90----Collapse						
10	11.82								
11	11.68								
12	11.61								
13	11.83								
14	11.66								
15	10.81								
16	10.87								
17	11.27								
18	10.80								
19	11.05								
20	11.42								
	226.65		103.03						

Dia. ext. 244.4

Poids 5952

Type N80

Grandeur 2-3

Filets 8Rd

Manchons Longs

Marque Algoma

	SOMMAIRE
1	
2	
3	
4	
5	
	329.68

	TOTAL
pge 1	
pge 2	
pge 3	
pge 4	

Nombre de sections:

Livrées au site 26

Laissées en surface 3
(incluant la section supérieure)

En permanence dans le puits

Remarques Shoe : 31 Float: .49

Mesuré par Regent Crew Représentant de l'opérateur Y.Tessier

IV- INGENIERIE

11. Procédure d'abandon

Le puits est abandonné et 2 bouchons ont été mis en place:

Bouchon no. 1 1750 à 1715 m

Bouchon no. 2 215 à 180 m

Touché le bouchon no. 2 à 190 m

V- APPENDICES

1) Rapports géologiques journaliers

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 20 mai 1981

PROFONDEUR de 2726 mètres JOUR DE FORAGE 74

à 2771 (45 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2725-2730 m:	25%	Grès légèrement conglomératique, jaune verdâtre à vert bouteille pâ à moyen, grains fins à moyens, sub-arrondis à sub-anguleux, mal tri légèrement chloriteux.
	75%	Siltstone vert bouteille moyen à foncé, moyennement chloriteux à tr chloriteux localement.
2730-2735 m:	5%	Grès...
	15%	Siltstone vert...
	80%	Siltstone jaune verdâtre fin, homogène avec veines de quartz.
2735-2740 m:	30%	Grès...
	45%	Siltstone vert...
	25%	Siltstone jaune...Légères traces de fibre de crysotiles.
2740-2755 m:	15%	Grès...
	85%	Siltstone vert bouteille...
	Tr.	Siltstone jaune verdâtre
	Tr.	Calcite
		Légères traces de fibre de crysotiles.
2755-2770 m:	30-55%	Grès vert bouteille moyen à foncé...
	45-70%	Siltstone vert bouteille moyen à foncé...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2726-2771	3 - 4	0 - tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	2726-2771	0	0

DIVERS

Taux d'avancement: 25-42 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 19 mai 1981

PROFONDEUR de 2686 mètres JOUR DE FORAGE 73

à 2726 (40 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2685-2690 m:	5%	Grès légèrement conglomératique, vert bouteille pâle à foncé, localement jaune verdâtre à quartz sub-arrondi à sub-anguleux, fin à moyen mal trié, légèrement chloriteux, quelques particules de quartz (18A).
	25-90%	Siltstone grossier vert bouteille pâle à moyennement localement fonc moyennement chloriteux (18B).
	Tr- 5%	"Siltstone" vert bouteille foncé, très chloriteux et lustré (18C).
	Tr- 5%	Calcite
	Tr.	Sulfure et traces de retailles friables écrasées par le trépan.
2690-2700 m:	65-70%	Grès ... (18A)
	30%	Siltstone... (18B)
	Tr.	"Siltstone"... (18C)
	Tr- 5%	Calcite
	Tr.	Sulfure
	Le tout est légèrement friable.	
2700-2715 m:	80-85%	Grès ... (19A)
	15%	Siltstone... (18B)
	Tr.	Calcite
	Tr.	Sulfure
2715-2725 m:	15-25%	Grès ... (18A)
	70-85%	Siltstone vert moyen à foncé, légèrement à moyennement chloriteux.(18
	Tr- 5%	"Siltstone"... (18C)

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2686-2726	3 - 4	tr.

REMARQUES/REMARKS

CALCIMETRIE: Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2690	4	0
2695	4	1
2700	2	1
2705	3	0
2710	1	1
2715	2	0
2720	0	0
2725	0	0

Taux d'avancement: 30-48 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 18 mai 1981

PROFONDEUR de 2657 mètres JOUR DE FORAGE 72

à 2686 (29 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2655-2660 m:
- 20% Grès très légèrement conglomératique, vert bouteille moyennement à foncé, localement jaune verdâtre, peu à très chloriteux lorsque ve foncé, grains fins à moyennement sub-anguleux à sub-arrondis, mal trié, légères traces de particules de quartz (18A).
- 30% Siltstone vert bouteille moyennement chloriteux (18B).
- 30% "Siltstone" vert bouteille foncé très lustré et très chloriteux(18
- 20% Retailles friables écrasées par le trépan contenant 5% de retaille vert pâle (silts) et 15% de retailles gris clair.
- Tr. Calcite
- Tr. Sulfure

2660-2665 m:
- 70% Grès... (18A)
- 5% Siltstone... (18B)
- 20% "Siltstone"... (18C)
- 5% Retailles écrasées...

2665-2685 m:
- 5-20% Grès... (18A)
- Tr-30% Siltstone... (18B)
- 45-85% "Siltstone"... (18C)

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
2657-2686	2-4	--	--	--	tr.	tr.	tr.
2657 Trip Gas	10	.02	tr.	tr.	tr.	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2657-2686	0	0

DIVERS

aux d'avancement: 36-78 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 17 mai 1981

PROFONDEUR de 2652 mètres JOUR DE FORAGE 71

à 2657 (5 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2652-2655 m:

40% Grès légèrement conglomératique, vert bouteille pâle à moyennement calement jaune verdâtre à quartz sub-anguleux à sub-arrondi, très f à moyen, mal trié, légèrement chloriteux avec légères traces de particules de quartz (18A).

20% Siltstone vert bouteille moyenne à foncé localement jaune verdâtre, grains moyens à grossiers, peu à moyennement chloriteux (18B).

20% "Siltstone" vert bouteille foncé très chloriteux, lustré (18C).

20% Retailles friables écrasées par le trépan contenant environ 10% de retailles vert pâle et 10% de retailles gris clair.

Tr. Calcite

Tr. Sulfure. Légères traces de fibres crysotiles (?).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$
2652 Trip Gas	15	.02	tr.	tr.	tr.
2652-2657	3 - 4	tr.	---	---	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2652-2657	0	0

DIVERS

Taux d'avancement: 90 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 16 mai 1981

PROFONDEUR de 2640 mètres JOUR DE FORAGE 70

à 2652 m (12 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2640-2645 m:
- 20% Grès conglomératique vert bouteille pâle à moyen, parfois jaune verdâtr grains très fins à moyens à quartz sub-arrondi à sub-anguleux, mal trié légèrement à moyennement chloriteux avec quelques particules de quartz (18A).
- 20% Siltstone vert bouteille pâle à moyen, légèrement chloriteux (18B).
- 80% "Siltstone" vert bouteille foncé, lustré, très chloriteux.
- Tr. Sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
2640-2646	10	---	---	---	tr.	tr.	tr.
2647 Trip Gas	40	.10	.025	.015	.012	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2645	0	0
2650	0	0

DIVERS

Carottage: 2647-2652.25
Longueur prévue: 5.25 m
Récupéré: 5.09 (97%)

Au toit, environ 1 m de grès suivi de 4 m de "siltstone" très chloriteux avec litage apparent a quelques gros cailloux de quartz?

Taux d'avancement: 2645 m: 32 min/m (environ)
2650 m: 73 min/m (carottage)

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G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 15 mai 1981

PROFONDEUR de 2618 mètres JOUR DE FORAGE 69

à 2640 (22 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2615-2630 m:

- 40% Grès conglomératique jaune verdâtre, localement vert bouteille pâl à moyen, grains très fins à moyens, quartz anguleux, mal trié, peu chloriteux, trace de particules de quartz.
- 10% Siltstone conglomératique vert bouteille pâle à foncé, moyennement chloriteux.
- 45% Siltstone "micaschiste", vert bouteille, moyen à foncé, très chlor teux, lustré.
- 5% Grains blanc verdâtre, friables.
- Tr. Calcite, sulfure, traces de serpentinite (fibreuse).

2630-2640 m:

- 15-25% Grès conglomératique, IDEM
- 20-25% Siltstone conglomératique, IDEM
- 50-55% Siltstone vert moyen à foncé, légèrement arénacé, légèrement lustr
- 5% Grains blancs verdâtres, friables

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$	
2618-2627	.02-.03	tr.	---	---	---	---	---	
2622-2640	.06-.15	---	---	---	tr.	tr.	tr.	Ajoute 500 g dar la boue.
2618 Trip Gas	.50	.13	.03	.015	.01	tr.	tr.	

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2615-2640	0	0

DIVERS

Relevé de déviation: 2630 m: 16 1/2
Taux de pénétration: 36-46 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 14 mai 1981

PROFONDEUR de 2585 mètres JOUR DE FORAGE 68

à 2618 mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2585-2590 m:	75%	Grès conglomératique jaune verdâtre, loc. vert bouteille pâle à foncé, grains très fin à moyen, à quartz anguleux mal trié, peu à moyennement chloriteux avec un maximum de quartz. (18 A)
	5%	Siltstone conglomératique vert foncé à pâle, moyennement chloriteu (18 C)
	20%	Siltstone très fin (micashiste) vert très foncé à foncé, très chloriteax et lustré. (18 B)
	TR.	Sulfures
2590-2595 m:	50%	Grès conglomératique, idem à (18 B)
	10%	Silstone conglomératique idem à (18 B)
	40%	Silstone très fi (micashiste) (18 C)
	TR.	Sulfures
2595-2615 m:	15%	Grès conglomératique idem à (18 A)
	10%	Silstone conglomératique (18 B)
	75%	Silstone très fin (micashiste) (18 C)
	TR.	Sulfures

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2585-2618	2-4	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo	$\%CaMg(CO_3)2$
	2585-2615	0	0

DIVERS

élevé de déviation: 2601 m: 16°
Taux de pénétration: 35-52 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 13 mai 1981

PROFONDEUR de 2565 mètres JOUR DE FORAGE 67

à 2585 (20 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2565-2570 m:	40-60%	Grès conglomératique vert bouteille foncé à pâle, souvent jaune verdâtre, grains très fins à grossiers, quartz anguleux, mal trié, chlriteux.
	25-50%	Siltstone conglomératique vert bouteille foncé à pâle, passablement chloriteux.
	10-15%	Siltstone vert foncé, lustré, très chloriteux (serpentinite).
2570-2585 m:	75-80%	Grès conglomératique jaune verdâtre, IDEM
	5%	Siltstone conglomératique, IDEM
	15-20%	Siltstone lustré, IDEM
	Tr.	Calcite

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
2565-2585	.02-.04	tr.	----	---	---	---	---
2569 Trip Gas	.68	.17	.04	.016	tr.	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2565-2585	0	0

DIVERS

Relevé de déviation: 2069 m: 15 1/2
Taux de pénétration: 37-53 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 12 mai 1981

PROFONDEUR de 2525 mètres JOUR DE FORAGE 66

à 2565 (40 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

2525-2535 m:
- 65% Grès conglomératique vert bouteille foncé à pâle, parfois jaune verdâtre, grains très fins à grossiers, à quartz anguleux, mal trié, chlorteux à très chloriteux (18A).
- 15% Siltstone conglomératique vert bouteille foncé à pâle, localement jau verdâtre, chloriteux (18B).
- 15% Siltstone vert foncé parfois vert moyen, lustré, très chloriteux (18C
- 5% Grains friables, représentant les lithologies précédentes.
- Tr. Calcite et sulfure.

2535-2550 m:
- 75% Grès conglomératique... (18A)
- 10% Siltstone conglomératique... (18B)
- 5% Siltstone lustré... (18C)
- 10% Grains friables...
- Tr. Calcite et sulfure.

2550-2555 m:
- 30% Grès conglomératique (18A)
- 35% Siltstone conglomératique (18B)
- 30% Siltstone lustré (18C)
- 5% Grains friables...
- Tr. Sulfure

2555-2565 m:
- 50% Grès conglomératique... (18A)
- 20% Siltstone conglomératique... (18B)
- 15% Siltstone lustré... (18C)
- 10% Grains friables...
- Tr. Calcite et sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$
2525-2565	4	0 - tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2525-2565	0	0

DIVERS

Taux de pénétration: 28-39 min/m

Relevé de déviation: 2544 m: 15 1/2

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3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 11 mai 1981

PROFONDEUR de 2503 mètres JOUR DE FORAGE 65

à 2525 (22 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

2510-2515 m:

- 45-60% Siltstone, conglomeratique, vert foncé à moyen, localement jaune verdâtre, chloriteux, légèrement lustré, localement gréseux, à gra de quartz teinté jaune serein contenant tr-5% de particules de quartz.
- 25-40% Siltstone vert foncé à moyen à grains très fins, localement grése lustré et très chloriteux (schiste à chlorite?).
- 5-10% Grès conglomératique, jaune vert, très fin à moyen, quartz jauni diffus, assez chloriteux, difficile à voir les particules?
- 5-10% Retailles blanches verdâtres, ou bleutées, friables avec traces d stries.
- Tr. Sulfure disséminée (bleu foncé) plus pyrite.

2515-2520 m:

- 40% Siltstone conglomératique, IDEM à ci-haut.
- 35% Grès (conglomératique), IDEM à ci-haut. Il semble avoir des quartz jaunis fins à moyens.
- 15% Siltstone vert foncé, très fin, IDEM à ci-haut.
- 10% Retailles blanches verdâtres, IDEM à ci-haut.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
2505-2525	.02-.04	---	---	---	---	---	---
2518 Trip Gas	1.04	.18	.05	.03	.01	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2500-2525	0	0

DIVERS

Relevé de déviation: 2507 m: 15°

Taux de pénétration: 29-59 min/m

Poids: 18 000
RPM: 55
VISC: 70

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 10 mai 1981

PROFONDEUR de 2456 mètres JOUR DE FORAGE 64

à 2503 (47 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2455-2480 m:

- 70-85% Grès conglomératique variant de vert bouteille foncé à pâle, souvent jaune verdâtre, très fin à fin, à quartz anguleux, mal trié, assez chloriteux à très peu ou pas du tout, contenant de tr-5% de particules de quartz. (18A).
- 5-20% Siltstone conglomératique vert foncé à moyen, parfois jaune verdâtre. Généralement passablement chloriteux, légèrement lustré de temps à autre, localement finement arénacé. (18B).
- 5-10% Siltstone très fin ement foncé parfois moyen, lustré, très chloriteux, localement finement arénacé. (18C).
- 5-10% Retailles blanches verdâtres surtout représentant surtout la lithologie 18A, friables.
- Tr. Sulfure (pyrite).

2480-2500 m:

- 5-55% Grès conglomératique IDEM à ci-haut (18A). (% décroissant)
- 20-45% Siltstone conglomératique, IDEM à ci-haut (18B) (% décroissant)
- 20-50% Siltstone très fin, IDEM à ci-haut (18C) (% décroissant)
- Tr- 5% Retailles verdâtres ou blanches verdâtres, friables, représentant les diverses lithologies.
- Tr. Sulfure (pyrite).

Note: Les particules de quartz sont devenues plus rares de tr-5%. Certaines retailles jaunes verdâtres (5%) sont siliceuses et pourraient être des particules du conglomérat (de 2485-2500 m).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$
2460-2500	2-7	0 - tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2460-2500	0	0

DIVERS

Relevé de déviation: 2479 m: 15°

Taux de pénétration: 25-33 min/m

Poids: 18 000

RPM: 55

VISC.: 20

DENSITE: 1 050

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 9 mai 1981

PROFONDEUR de 2409 mètres JOUR DE FORAGE 63

à 2456 (47 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2405-2410 m:	70%	Grès conglomératique vert bouteille jusqu'à pâle, fin, localement très fin ou moyen, plus ou moins chloriteux à très peu, à quartz a guleux, mal trié contenant tr-5% quarts (particules)(18A).
	15%	Siltstone très fin, vert foncé à moyen, lustré, très chloriteux, l calement finement arénacé. (18C)
	5%	Siltstone conglomératique vert foncé à moyen, chloriteux passablen (18B).
	10%	Retailles blanches verdâtres, friables, représentant la principale lithologie.
	Tr.	Sulfure disséminée bleu foncé
2410-2430 m:	45-60%	Grès conglomératique, IDEM à la lithologie 18A de 2405-2410 m.
	20-40%	Siltstone conglomératique, IDEM à la lithologie 18B de 2405-2410 r
	10-15%	Siltstone très fin lustré, IDEM à la lithologie 18C de 2405-2410 r
	5-10%	Retailles blanches verdâtres, friables, représentant la lithologie principale.
	Tr.	Sulfure disséminée bleu foncé.
2430-2440 m:	75-85%	Grès conglomératique, IDEM à la lithologie 18A de 2405-2410 m, ex té fin à moyen. (18A)
	5-15%	Retailles blanches verdâtres, friables représentant 18A.
	5-10%	Siltstone conglomératique, IDEM à la lithologie 18B de 2405-2410 (18B).
	Tr- 5%	Siltstone très fin lustré, IDEM à la lithologie 18C de 2405-2410
	Tr.	Sulfure disséminée bleu foncé.
2440-2450 m:	50-65%	Grès conglomératique, IDEM à la lithologie 18A de 2405-2410 m, sa fin à localement moyen. (18A)
	20-35%	Siltstone conglomératique, IDEM à la lithologie 18A de 2405-2410 (18B).
	5-10%	Siltstone très fin, IDEM à la lithologie 18C de 2405-2410 m (18C)
	5-10%	Retailles blanches, verdâtres représentant surtout 18A.
	Tr.	Sulfure
2450-2455 m:	80-85%	Grès conglomératique, IDEM à la lithologie 18A de 2405-2410 m (18
	5-10%	Siltstone conglomératique " " 18B " (18
	5%	Siltstone très fin " " 18C "
	5%	Retailles blanches verdâtres, friables représentant 18A.
	Tr.	Sulfure.

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RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

FORAGE/WELL Le 9 mai 1981

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2410-2455	2-3	---

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	2410-2455	0	0

DIVERS

Relevé de déviation: 2421 m: 13 1/2
2456 m: 14

Taux de pénétration: 20-35 min/m

Poids: 18 000
RPM: 55
VISC.: 20
DENSITE: 1 055

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 8 mai 1981

PROFONDEUR de 2379 mètres JOUR DE FORAGE 62

à 2409 (30 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

2375-2385 m:	80-90%	Grès conglomératique vert bouteille moyen à pâle, et jaune verdâtre fin à moyen, localement grossier, à quartz anguleux, mal trié, plus ou moins chloriteux à très peu, 5% particules de quartz (18A).
	5-10%	Siltstone très fin, vert foncé, lustré, finement arénacé, très chloriteux (18C).
	0- 5%	Siltstone grossier conglomératique, vert foncé à moyen, passablement chloriteux (18B).
	5-10%	Retailles blanches verdâtre, friables, représentant 18A.
	Tr.	Sulfures bisséminés bleu foncé (visible dans toutes les lithologies
2385-2390 m:	60%	Grès conglomératique... IDEM à 18A, fin à grossier.
	25%	Siltstone conglomératique... 18B.
	10%	Retailles blanches... 18A.
	5%	Siltstone très fin... 18C.
	Tr.	Sulfures...
2390-2405 m:	90-95%	Grès conglomératique... 18A, moyen à grossier
	5-10%	Retailles blanches... 18A.
	0- 5%	Siltstone conglomératique... 18B.
	Tr.	Siltstone très fin... 18C.
	Tr.	Sulfures...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$
2380-2408	2	0-tr.	---	---
2395 Trip Gas	56	.064	.012	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2380-2305	0	0

DIVERS

Relevé de déviation: 2385 m: 13 1/2
Taux de pénétration: 26-47 min/m

WOB: 18 000
RPM: 55
DENSITE: 1 050
VISC.: 75

SOQUIP
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SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 7 mai 1981

PROFONDEUR de 2345 mètres JOUR DE FORAGE 61

à 2379 (34 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

2345-2350 m:
55% (18C) Siltstone très fin, vert très foncé à foncé, localement finement arénacé, très chloriteux et lustré.
15% (18A) Grès conglomératique, jaune verdâtre à vert pâle, très fin à quartz anguleux, mal trié, plus ou moins chloriteux à très peu, localement légèrement laminaire, 5-10% particules de quartz.
15% (18B) Siltstone conglomératique vert bouteille moyen à pâle, localement gris très clair verdâtre, plus ou moins à très peu chloriteux.
5% Retailles blanches verdâtre et localement brunâtre, friable, représentant la lithologie 18C.
Tr. De sulfures.

2350-2360 m:
50-60% Siltstone conglomératique, IDEM à 18B ci-dessus.
15-35% Siltstone très fin, IDEM à 18C...
5-10% Grès conglomératique, IDEM à 18A...
5% Retailles blanches...
Tr. De sulfures

2360-2365 m:
40% Retailles blanches verdâtre et verte, pâle, friable, représentant 18C.
30% Siltstone très fin... 18C.
20% Siltstone conglomératique... 18B.
10% Grès conglomératique, très fin... 18A.
Tr. De sulfures.

2365-2375 m:
75-90% Grès conglomératique vert bouteille moyen à pâle, fin à moyen, plus ou moins chloriteux à très peu, à quartz anguleux, mal trié, 5% particules dequartz.
5-10% Siltstone très fin... 18C.
5-15% Retailles blanches... 18A.
Tr. De sulfures

INDICES ET ESSAIS/SHOWS AND TESTS

Gaz;	Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
	2345	90	.19	.05	.035	.02	.013	tr.
	Trip Gas 2350-2375 m	2-4	tr.					

.../2

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 7 mai 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2345-2375	0	0

DIVERS

Relevé de déviation: 2375 m: 13°

Taux de pénétration: 30-43 min/m

WOB:	18 000
RPM:	55
VISC:	2 060
DENSITE:	60

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 6 mai 1981

PROFONDEUR de 2316 mètres JOUR DE FORAGE 60

à 2345 (29) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2315-2345 m: 60-85% Grès conglomératique vert bouteille moyen à pâle, et jaune verdâtr très fins à fins localement moyen, quartz anguleux, mal trié, chlo riteux à très peu chloriteux contenant 5-15% de quartz.

5-35% Siltstone vert foncé, très fins, finement arénacé très chloriteux lustré.

5-15% Retailles blanches verdâtre friable. Trace stries.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2315-2345	.03 - .06	0 - tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	2315-2345	0	0

DIVERS

Relevé de déviation: 2328 m: 12°
2345 m: 12 1/2°

WOB: 18 000
RPM: 55
VISC: 75

Taux de pénétration: 32-46 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 5 mai 1981

PROFONDEUR de 2271 mètres JOUR DE FORAGE 59

à 2316 (45 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2270-2305 m:	80-95% (18A)	Grès conglomératique vert bouteille moyen à pâle, localement foncé ou jaunâtre, jin à moyen, localement très fin et grossier, à quartz anguleux, très mal trié, chloriteux à très peu chloriteux, 5-10% de particules de quartz.
	5-10%	Retailles blanches verdâtre, localement brunâtre, friable, traces d stries, représentant la lithologie ci-dessus (18A).
	Tr-10% (18C)	Siltstone très fin, vert foncé, lustré, finement arénacé et parfois grossièrement arénacé (grains de quartz de 2 mm).
	Tr.	De sulfures (pyrite).
2305-2315 m:	95%	Grès conglomératique jaune verdâtre (60-75%) et fin lorsque jaune verdâtre, fin à moyen, lorsque vert, non chloriteux à chloriteux, à quartz anguleux, mal trié, 5-15% particules de quartz.
	Tr- 5%	Siltstone très fin (18C).
	Tr- 5%	Retailles blanches verdâtres, friable (18A).

INDICES ET ESSAIS/SHOWS AND TESTS

Gaz:	Profondeur	%H.W. Units	$\%C_1$
	2275-2315 m	3-5	Tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	Intervalle:	0	0

DIVERS

Relevé de déviation: 2299 m: 12°

Taux de pénétration: 26-38 min/m

RPM: 55
Densité: 1065
Viscosité: 75
WOB: 18 000

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 4 mai 1981

PROFONDEUR de 2235 mètres JOUR DE FORAGE 58

à 2270 (34 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2235-2270 m: 80-90% Grès conglomératique vert bouteille moyen - pâle, fin à moyen, localement très fin à grossier à quartz anguleux, mal trié.
5-10% quartz
5-10% Retailles blanches verdâtre et/ou brunâtre. Trace de stries...
Tr-10% Siltst. très fin vert foncé, finement arénacé, lustré, très chloriteux.
Tr. Sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
2235-2270	.03 - .06	tr.	---	---	---	---	---
2261 Trip Gas	2.40	3.35	.10	.07	.03	.02	.012

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2235-2270	0	0

DIVERS

Relevé de déviation: 2271 m: 11°

Taux de pénétration: 22 - 28 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 3 mai 1981

PROFONDEUR de 2204 mètres JOUR DE FORAGE 57

à 2237 (33 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2200-2235 m:

70-95%	Grès conglomératique vert bouteille moyen à pâle, fin à moyen, localement grossier à quartz anguleux, mal trié, contenant 5-10% de particules de quartz.
5-15%	Retailles blanches verdâtre, localement brunâtre friable, trace de stries.
0-10%	Silts. grossier à conglomératique vert bouteille foncé à moyen, passablement chloriteux à peu chloriteux.
0- 5%	Silts très fins vert foncé, localement vert moyen, lustré, parfois finement arénacé, très chloriteux.
Tr.	Sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$
2200-2235	.03 - .10	0 - tr.	---	---	---
2208 Trip Gas	.82	.165	.036	.015	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2200-2235	0	0 - 1

DIVERS

Relevé de déviation: 2208 m: 9 1/2°
2233 m: 10 1/2°

Taux de pénétration: 23-60 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 2 mai 1981

PROFONDEUR de 2164 mètres JOUR DE FORAGE 56

à 2204 (40 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2160-2170 m:	85-90%	Grès conglomératique, vert bouteille moyen, parfois jaune verdâtre, fin à moyen, anguleux, mal trié, chloriteux à peu chloriteux, contenant 5-10% de particules de quartz.
	5-15%	Retailles blanches, verdâtre, localement brunâtre, friable avec trace de stries.
	Tr- 5%	Siltstone vert foncé, très fin, finement arénacé localement, lustré très chloriteux.
	Tr.	Sulfure.
2170-2200 m:	40-75%	Grès conglomératique... pâle à moyen, très fins à fins, localement moyen...
	10-40%	Siltst. vert bouteille foncé à moyen, grossier - conglomératique, l calement jaune verdâtre.
	5-25%	Siltst. vert foncé, très fins. IDEM.
	5-10%	Retailles blanches...
	Tr.	Sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2100-2200	.02 - .05	Tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	2160-2200	0	0

DIVERS:

Déviation: 2167 - 9°
2195 - 9-1/4°

Taux de pénétration: 24-52 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1 DATE 1981-05-01

PROFONDEUR de 2113 mètres JOUR DE FORAGE 55

à 2164 mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2110 - 2140 m :	65-85% (18A)	Grès conglomératique, vert bouteille moyen à pâle, souvent jaune verdâtre, grains fins à moyens, à quartz anguleux mal trié, chloriteux à très peu chloriteux lorsque jaune vert, contenant 5-10% de particules de quartz.
	5-15% (18C)	Siltstone vert foncé à moyen, très fin, parfois finement arenacé, aspect lustré
	0-15% (18B)	Siltstone conglomératique, vert bouteille foncé à moyen loc. jaune verdâtre, chloriteux à très peu
	5-15%	Retailles blanches tachetées, verdâtre et brunâtre, friable trace de stries représentant 18A.
2140- 2155 m :	50-65%	Grès congl. idem 18A
	25-30%	Siltst. 18C
	5-10%	Retailles blanches, idem..

Note : 15% siltstone conglomératique 2145-2150, idem 18B

2155 - 2160m :	80-85%	Grès congl. idem 18A
	10-15%	Retailles blanches..idem
	5%	Siltstone....18C

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ :

Profondeur	%H.W.Units	$\%C_1$
2110 - 2160	.03 - .06	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2110 - 2160	-	-

DIVERS

Taux de pénétration:

Poids	:	18 000
RPM	:	60
VISCOSITE	:	70

Relevé de déviation: 2139 m à 8¾°

Pénétration : 23-31 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 30 avril 1981

PROFONDEUR de 2078 mètres JOUR DE FORAGE 54

à 2113 (35 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2075-2090 m:	75-80% (18A)	Grès légèrement conglomératique, vert bouteille moyen (surtout) pâle, localement jaune verdâtre, fin à moyen (parfois 20% de la roche), à quartz anguleux, mal trié, chloriteux à très peu chlori localement absence de chlorite lorsque jaune verdâtre (ciment sil ceux), 5% de particules de quartz.
	10-15% (18C)	Siltst. vert foncé localement très vert pâle, très fin, localemer finement arénacé, localement chloriteux, lustré. Les fragments c étaient des particules dans le conglomérat.
	5-10%	Retailles écrasées, vert, blanc, brun. Trace stries.
2090-2105 m:	50-65% (18B)	Siltst. conglomératique vert bouteille foncé à pâle, très grossie pouvant passer à la limite à un grès chloriteux local.
	10-20%	Siltst. vert foncé à gris noir, IDEM (18C). Traces sulfure.
	10-20%	Grès conglomératique, IDEM 18A.
	5%	Retailles écrasées, IDEM
2105-2110 m:	55%	Grès conglomératique, IDEM 18A
	25%	Siltst. grossier... IDEM 18B
	15%	Siltst... IDEM 18C
	5%	Retailles écrasées

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$
2075-2110	.03 - .04			
2080 Trip Gas	.19	.02	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
2080-2110	0	0

DIVERS

Taux de pénétration: 2075-2085: 37-42 min/m
2085-2090: 28 min/m
2090-2110: 20-25 min/m

Relevé de déviation: 2058 m: 8° (N57E)
2080 m: 9°
2111 m: 8 3/4

Poids: 14 000
RPM: 60
VISC: 60
DENSITE: 1 055

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 29 avril 1981

PROFONDEUR de 2042 mètres JOUR DE FORAGE 53

à 2078 (36 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

2040-2055 m:	80-95%	Grès conglomératique vert bouteille foncé, moyen à pâle, et jaune verdâtre localement, fin à moyen, à quartz plus ou moins anguleux, mal trié, passablement chloriteux lorsque foncé, peu lorsque pâle; contenant 5-10% quartz conglomératique incolore, 5-15% fragment ve foncé à gris noir verdâtre, chloriteux, lustré, serpentinite?
	5-20%	Retailles blanches, brunes, vertes, friables, striées.
2055-2075 m:	90-95%	Grès conglomératique plus ou moins, IDEM, sauf moins de matrice chloriteuse, il y a plus de quartz; 10-15% et moins gris noir...
	5-10%	Retailles blanches brunes... friables.
	Tr-Tr.	Sulfure

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	2040-2075	.04	Tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	2045-2075	0-1	0

DIVERS

Relevé de déviation: 2055 m: 8 1/2

Taux de pénétration: ± 38 min/m
Poids : 14 000
RPM : 60
VISC : 60

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 28 avril 1981

PROFONDEUR de 1989 mètres JOUR DE FORAGE 52

à 2042 (53 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

1985-2040 m: 90-95% Grès conglomératique, vert bouteille moyen à très pâle, localement gris clair jaunâtre et vert foncé, grains fins à moyens, localement grossier, anguleux, mal trié, chloriteux à peu chloriteux, absence de chlorite et présence localement d'un ciment siliceux lorsque gri clair jaunâtre, contenant 10% de particules de quartz et tr - 10% d fragments vert foncé à gris noir, lustré, serpentinite? ou chlorite

5-10% sont brun tacheté blanc ou blanc verdâtre friable avec trace de str provoquées par le trépan.

NDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	1985 -2040	.06 - .12	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	1985	0	0
	1990	0	0
	1995	0	0
	2000	0	0
	2005	0	0
	2010	0	0
	2015	0	0
	2020	0	0
	2025	0	0
	2030	0	0
	2035	0	0
	2040	0	0

DIVERS

Relevé de déviation: 1983 - 6 (N67E)
2008 - 7
2036 - 8

Taux de pénétration: 19.2 - 32.8 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 27 avril 1981

PROFONDEUR de 1948 mètres JOUR DE FORAGE 51

à 1989 (41 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

1945-1985 m: 100% Conglomérat lithique à grès fortement conglomératique, vert bouteill assez foncé.

60-85% des retailles est constitué d'un grès fin à moyen, localemen grossier, à quartz anguleux, mal trié, généralement très chl riteux et vert foncé, parfois légèrement chloriteux jaune v pâle.

15-75% Serpentinite vert foncé lustré.

5-10% Loc. 15% quartz, incolore et translucide.

Tr. Crinoïdes.

NOTE: 1955 - 1960 m: 5% retombées siltstone gris clair à moyen, gr rougeâtre (Litho. Rosebush Cove).

Tr. sulfure.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$
1948-1989	.10 - .14	0 - tr.	---	---	---
1954 Trip Gas	.88	.184	.04	.024	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1950	1	0
1955	0	0
1960	0	0
1965	0	0
1970	0	0
1975	0	0
1980	0	0
1985	0	0

DIVERS

Relevé de déviation: 1893 m: 5 1/4
1896 m: 5 1/4 (N68E)
1921 m: 5

Taux de pénétration: 19.6 - 29.2 min/m

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SAINTE-FOY, Qué.
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 26 avril 1981

PROFONDEUR de 1889 mètres JOUR DE FORAGE 50

à 1948 (59 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

1885 - 1915 m:	85-95%	Siltstone gris moyen à clair parfois brunâtre, calcaro-dolomitiqu contient de rares crinoïdes, F (1%) (Litho. 17).
	5-10%	Ecrasé trace strie., siltstone friable (Litho. 9).
	Tr.	Calcarénite à crinoïde brun pâle.
Note: 1885-1890m:	5%	Siltstone gris clair légèrement verdâtre dolomitique et micacé (Litho. 15A).
1915 - 1920 m:	60%	Litho 17
	25-30%	Calcarénite à crinoïde et stromatopore dont 5-10% brun pâle (crinoïde) (litho. 10), 20% blanche (crinoïde et stromatopore).
	10-15%	Conglomérat lithique (6%) grès fins à siltstone à particule de quartz anguleuse, chloriteuse.
		Les particules 6% - Serpentinite? vert foncé et fragments de quartz incolore, rare crinoïdes.
1920-1925 m:	25%	Siltstone (Litho. 17)
	40%	Conglomérat lithique vert bouteille foncé, IDEM.
	35%	Calcaire à crinoïde et stromatopore (Litho. 10).
1925-1940 m:	55-60%	Conglomérat lithique, IDEM, tr. bleu noir foncé (laves?) tr. sulfure et crinoïde.
	30-35%	Litho. 10.
	10-15%	Calcaire grossier à crinoïde, lithique à fragments, 15-25% compc de "serpentinite"? et quartz incolore.
1940-1945 m:	85%	Grès conglomératique vert bouteille à jaune pâle, localement fir à grossier, composé de quartz, anguleux, chloriteux, siliceux (jaune vert pâle) dont les particules conglomératiques (20%) sor composées de quartz incolore et de serpentinite? (vert foncé, lustré).
	15%	Calcarénite à crinoïde et stromatopore.
	5%	Brun pâle (crinoïdes)
	10%	Blanc laiteux - rose.
		Crinoïdes et stromatopores.

.../2

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 26 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE-NORD NO

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	1885 - 1945	.08 - .14	Tr - tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	1885	25	10
	1890	13	16
	1895	13	14
	1900	15	9
	1905	19	9
	1910	21	11
	1915	26	11
	1920	39	4
	1925	42	1
	1930	48	1
	1935	49	0
	1940	35	0
	1945	16	0

3340 de la Pérade
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 25 avril 1981

PROFONDEUR de 1833 mètres JOUR DE FORAGE 49

à 1889 (56 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

1830-1835 m:	50%	Shale, gris moyen à localement foncé, vert pâle très peu calcareux, parfois légèrement silteux et légèrement dolomitique (litho. 16).
	20%	Siltstone et mudstone gris moyen à clair, légèrement brunâtre, calcareux et dolomitique. (Litho 17).
	20%	Siltstone gris vert à vert pâle, parfois gris clair, légèrement dolomitique et micacé. (Litho 15A).
	10%	Siltstone blanc beige friable. (Litho 9).
	Tr.	Siltstone gris rougeâtre légèrement dolomitique (Litho 15B). Traces sulfure.
1835-1840 m:	30%	Siltstone, IDEM, litho. 15A
	10%	Siltstone, IDEM, litho. 15B
	15%	Shale, IDEM, litho. 16
	30%	Siltstone, IDEM, litho. 17
	10%	Siltstone blanc à beige, litho. 17.
	5%	Calcaire brun pâle à moyen argilo-silteux (Litho. 8).
1840-1850 m:	65-75%	Siltstone, litho 15A.
	10-15%	Siltstone, litho. 17
	5%	Shale, litho. 16
	5-10%	Siltstone blanc friable, litho. 15A
	Tr- 5%	Retailles blanches localement translucides, calcarénite à crinoïde calcite? (Litho. 10).
1850-1860 m:	65-50%	Siltstone gris clair légèrement verdâtre à vert, légèrement dolomitique et micacé (Litho. 15A).
	15-30%	Siltstone argileux (mudstone) brun moyen à localement foncé, parfo grisâtre, calcareux et légèrement dolomitique (Litho. 17).
	5%	Retailles brunâtre à beige avec stries (litho. 15A, 17).
	Tr-Tr.	Calcaire (Litho 8).
	Tr- 5%	Retailles blanche laiteuses (Litho. 10).
1860-1875 m:	90-95%	Siltstone gris clair verdâtre (Litho. 15A).
	5-10%	Retailles beige friables (Litho. 9).
	Tr- 5%	Siltstone, mudstone (Litho. 17).
	Tr.	Retailles blanches, calc. à crinoïdes.
1875-1880 m:	45%	Siltstone-mudstone (Litho. 17).
	30%	Siltstone (Litho. 15A).
	15%	Retailles blanches à beige (Litho. 9).
	5%	Calcaire (Litho. 8).
	5%	Wackestone à calcarénite à crinoïdes blanc brun, très silteux devenant à la limite à un silts. calcareux, avec tr. de ostracodes et brachiopodes.

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 25 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE-NORD NO

1885 m: 85% Siltstone (Litho. 17) plus rare crinoïdes.
10% Retailles blanches (Litho. 9).
5% Siltstone gris légèrement verdâtre, légèrement calcareux dolomitiqu (Litho. 15A).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	1835-1885 m	.08 - .14	Tr - .01

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	1835	11	9
	1840	11	8
	1845	8	7
	1850	9	6
	1855	15	6
	1860	7	12
	1865	5	6
	1870	7	7
	1875	7	9
	1880	22	10
	1885	25	10

DIVERS

Relevé de déviation: 1830 m: 5 1/2 (N75E)
1836 m: 5 1/2
1864 m: 5

Taux de pénétration: 20 - 26 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 24 avril 1981

PROFONDEUR de 1769 mètres JOUR DE FORAGE 48

à 1833 (64 m) mètres GEOLOGUE Bozo

LITHOLOGIE RESUMEE

1765-1810 m:	75-95%	Siltstone gris clair verdâtre à vert pâle, localement gris clair (plus calcareux et plus pur lorsque gris clair, légèrement plus grossier), légèrement calcaro-dolomitique et micacé.
	Tr-10%	Siltstone gris rougeâtre à brun rougeâtre, légèrement dolomitique micacé.
	5-20%	Retailles siltstone blanc, rarement brun rougeâtre, friable, trace de stries.
1810-1830 m:	50-60%	Siltstone gris clair verdâtre à vert pâle surtout localement gris clair, légèrement dolomitique et micacé.
	30-40%	Siltstone gris rougeâtre à brun rougeâtre, IDEM
	5-10%	Retailles silts. blanc... IDEM
	Tr- 5%	Shale gris moyen, micromicacé.
	Tr.	Silts. gris foncé (mudstone)

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$
1765-1830	.10-.19	0 - .01

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1765	0	7
1770	2	7
1775	1	7
1780	0	7
1785	5	7
1790	8	10
1795	4	9
1800	7	8
1805	7	8
1810	8	9
1815	4	9
1820	3	10
1825	0	13
1830	5	8

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 24 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE-NORD 1

DIVERS

Taux de pénétration: 17.6-23.6

Relevé de déviation:	1773 m:	5° N78E	Poids:	14 000
	1789 m:	5°	RPM:	65
	1817 m:	$5\ 1/2^{o}$	VISC.:	70

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 23 avril 1981

PROFONDEUR de 1703 mètres JOUR DE FORAGE 47

à 1769 (66 m) mètres GEOLOGUE Bozo

LITHOLOGIE RESUMEE

1700-1720 m: 65-70% Siltstone gris clair verdâtre à vert pâle, localement gris clair, l gèrement dolomitique et micacé.
20-30% Siltstone gris rouge à brun rougeâtre, légèrement dolomitique et micacé.
0- 5% Retailles blanches friable.

1720-1740 m: 80-90% Siltstone gris clair verdâtre, IDEM
tr-10% Siltstone gris rougeâtre - brun rougeâtre...
1730-1740 m: Tr. Calcaire brun pâle à moyen, silto-argileux, légèrement dolomitique.
5-10% Retailles blanches, légèrement verdâtre, friabl

1740-1750 m: 50-60% Siltstone gris verdâtre..., légèrement dolomitique et micacé.
35-40% Calcaire brun pâle-moyen, silto-argileux, légèrement dolomitique.
5-10% Retailles blanches à beiges représentant surtout les calcaires.

1750-1760 m: 65-75% Siltstone gris clair verdâtre...
20-30% Siltstone brun rougeâtre, localement gris rougeâtre...
1750-1755 m: 5-10% Calcaire...
5-10% Retailles blanches représentant le silts rougeâtre...

1760-1765 m: 85% Siltstone gris clair verdâtre.
10% Siltstone brun rougeâtre
5% Retailles blanches, friable.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$
1705-1765	.10-.17	tr - .01

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1700	0	9
1705	0	10
1710	0	13
1715	0	10

.../2

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 23 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE NORD NC

CALCIMETRIE: (Suite...)

Profondeur	%$CaCo_3$	%$CaMg(CO_3)2$
1720	2	7
1725	4	9
1730	2	9
1735	7	6
1740	8	5
1745	17	7
1750	19	8
1755	7	7
1760	0	7

DIVERS

TAUX DE PENETRATION: 17-22 min/m

RELEVE DE DEVIATION: 1714 - 4 1/8°
1733 - 4 1/8°
1769 - 4 1/2°

POIDS: 14 000
65
60

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Avril 22,1981

PROFONDEUR de 1658 mètres JOUR DE FORAGE 46

à 1703 (45 m) mètres GEOLOGUE Gaétan Lachambre

LITHOLOGIE RESUMEE

1655-1660 m:	80%	Siltstone gris moyen à localement foncé, dolomitique, légèrement calcareux, légèrement micromicacé.
	10%	Siltstone blanc-beige, dolomitique, friable.
	10%	Siltstone à mudstone, gris clair à gris clair verdâtre, peu calc reux, légèrement dolomitique.
1660-1670 m:	50-60%	Siltstone gris moyen... dolomitique, IDEM
	25-30%	Siltstone gris clair, légèrement verdâtre,
	10%	Siltstone blanc-beige, IDEM
	Tr-tr- 5%	Calcaire brun pâle-moyen, silto-argileux, légèrement dolomitique
1670-1675 m:	35%	Siltstone et mudstone gris clair verdâtre, IDEM
	25%	Calcaire brun pâle à moyen, localement grisâtre, silto-argileux, légèrement dolomitique.
	20%	Siltstone gris moyen calcaro-dolomitique, légèrement micromicacé
	20%	Retailles blanches, silts. ou calc.
1675-1680 m:	40%	Calcaire, IDEM
	30%	Siltstone-mudstone gris clair verdâtre
	25%	Retailles blanches (calcaire)
	5%	Siltstone gris moyen, calcaro-dolomitique.
1680-1685 m:	60%	Siltstone-mudstone, IDEM
	30%	Calcaire, IDEM
	10%	Calcaire blanc friable (retailles blanches)
1685-1690 m:	80%	Siltstone-mudstone gris clair verdâtre à vert pâle, légèrement lomitique, peu calcareux, légèrement micacé.
	15%	Siltstone-mudstone brun moyen rougeâtre ou rouge brunâtre (trac loc. lég. gréseuses), peu calcareux, légèrement dolomitique, lé rement micacé.
	5%	Calcaire brun moyen à pâle grisâtre, fortement silto-argileux, lomitique.
1690-1700 m:	40-45%	Siltstone-mudstone brun rougeâtre, rouge brunâtre, micacé à lég ment micacé, légèrement dolomitique.
	45-60%	Siltstone-mudstone vert pâle, parfois plus vert, légèrement dol tique.

.../2

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 22 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE-NORD NO

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$
	1658-1700	.08 - .15	tr - .02	0 - .01	0 - tr.	0 - tr.	---
	1658 Trip Gas	1.50	.33	.06	.01	.01	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	1660	8	16
	1665	8	18
	1670	0	27
	1675	16	20
	1680	28	20
	1685	9	18
	1690	0	15
	1695	0	10

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE NORD NO 1 DATE Le 21 avril 1981

PROFONDEUR de 1623 mètres JOUR DE FORAGE 45

à 1658 (35 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1620-1645 m: 80-90% Siltstone gris moyen, foncé, argileux, passablement à fortement dolomitique.
10-20% Siltstone gris clair , parfois blanc, friable.

1645-1655 m: 90% Siltstone gris clair-moyen, dolomitique.
10% Siltstone gris très clair à blanc, friable

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1623-1658	.11 - .14	.013-.010	.01 - tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1625	0	24
1630	6	26
1635	6	21
1640	0	24
1645	0	22
1650	0	19
1655	0	16

DIVERS

Taux d'avancement: 31 min/m
Relevé de déviation: 1629 - 3 1/4°
1638 - 3 1/4°
1648 - 3 1/4°
1658 - 3 1/2°

Poids: 10 000
RPM: 65
Visc.: 70

Contact 1588

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 20 avril 1981

PROFONDEUR de 1588 mètres JOUR DE FORAGE 44

à 1623 (45 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1585-1590 m: 75% Calcaire gris brunâtre moyen à foncé, argileux, très silteux, siliceux avec spicules, dolomitique.
25% Calcaire beige, brun pâle, silteux, avec spicules, friable, dolomitiq

1590-1595 m: 30% Calcaire gris brunâtre moyen à foncé, argileux, très silteux, siliceu traces de spicules, dolomitique.
5% Calcaire beige, brun pâle, silteux, avec spicules, friable, dolomitiq
65% Siltstone gris brunâtre moyen à foncé, argileux, légèrement dolomitiq

1595-1620 m: 85-70% Siltstone gris brunâtre moyen à foncé, argileux, légèrement dolomitiq
15-30% Siltstone beige, brun pâle, dolomitique, friable, argileux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	HW Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$
1588-1623	12-20	.02 - .03	tr - .01	0 - tr.	0 - tr.	0 - tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaC\ o_3$	$\%Cag(CO_3)2$
1590	26	11
1595	8	24
1600	0	31
1605	0	27
1610	0	27
1615	0	29
1620	0	20

DIVERS

Taux d'avancement: 32-47 min/m
Relevé de déviation: 1591 m: 3°
1600 m: 2 3/4°
1609 m: 3°
1619 m: 3°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 19 avril 1981

PROFONDEUR de 1555 mètres JOUR DE FORAGE 43

à 1588 (32 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1555-1570 m:
- 60% Calcaire gris brunâtre moyen à foncé, silteux, argileux, siliceux, cherteux, spicules, dolomitique.
- 40% Calcaire beige, silteux, siliceux/spicules.
- Tr. Shale
- Tr. Présence de sulfures.

1570-1585 m:
- 80% IDEM
- 20% IDEM

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	%C
1555-1588	14-28	.01-.032	tr-.01	0 - tr.	---	--

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1555	18	20
1560	24	16
1565	20	22
1570	20	21
1575	12	18
1580	34	8
1585	26	6

DIVERS

Relevé de déviation:
- 1563 m: 3°
- 1572 m: 3°
- 1581 m: 3°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 18 avril 1981

PROFONDEUR de 1513 mètres JOUR DE FORAGE 42

à 1556 (43 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1510-1515 m: 70% Calcaire gris brunâtre moyen, argileux, siliceux...
30% Calcaire beige brunâtre, silteux, siliceux... friable...

1515-1530 m: 60% No. 8
40% No. 9

1530-1545 m: 70% Plus argileux et silteux qu'auparavant. Traces - présence de spicules. Tr. chert? Tr. fossiles dans calcaire beige. Tr - présence de sulfur

1545-1550 m: 80% Siltstone calcareux ou calcaire très silteux et siliceux etc...
20% Calcaire beige...

1550-1555 m: 70% IDEM
30% IDEM

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$
1515-1535	20	.02	.01	tr.	tr.	---
1535-1556	28	.034	.01	tr.	tr.	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1515	36	18
1520	42	17
1525	48	20
1530	36	28
1535	24	24
1540	14	22
1545	8	20
1550	9	18
1555	18	20

IVERS

Relevé de Déviation: 1524 m: 2 1/4°
1543 m: 2 1/2°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 17 avril 1981

PROFONDEUR de 1490 mètres JOUR DE FORAGE 41

à 1513 (23 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1490-1500 m: 80% Calcaire gris brunâtre pâle à moyen, parfois foncé, argileux lorsque foncé, siliceux à très siliceux, peu silteux, traces de spicules, dolo tique.
20% Calcaire beige à beige brunâtre très clair, silteux, friable.

1500-1505 m: 60% Calcaire gris brunâtre moyen...
40% Calcaire beige brunâtre...
Traces de grès? (retombées?)
Très petites retailles, le tout est friable.

1505-1510 m: 85% Calcaire gris brunâtre moyen à foncé
15% Calcaire beige brunâtre, silteux, friable.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1490-1505	6-12	.01-.02	0 - tr.	0 - tr.	---	---	---
1510 CG	18	.027	.007	tr.	---	---	---
1513 TG	562	.561	.183	.132	.054	.053	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1490	46	15
1495	49	17
1500	46	18
1505	48	13
1510	43	17

DIVERS

Taux d'avancement: 27-38 min/m

Relevé de déviation: 1487 m: 4°
1496 m: 3 1/4°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE NORD NO 1 DATE Le 16 avril 1981

PROFONDEUR de 1465 mètres JOUR DE FORAGE 40

à 1490 (25 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1465-1490 m: 70-80% Calcaire gris brunâtre moyen à foncé (devient de plus en plus fonc et argileux), légèrement silteux, siliceux à très silicuex, trace spicules, dolomitique.
20-30% Calcaire beige brunâtre, siliceux, d'aspect sucrosique.
Tr. Calcite
Tr. Oil Stain.

INDICES ET ESSAIS/SHOWS AND TESTS

G AZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1465							
Trip Gas	180	.30	.09	.06	.03	.02	.013
1466-1481	6-12	tr-.01	tr.	tr.	tr.	tr.	tr.
1481							
Trip Gas	190	.34	.10	.06	.03	.02	.01
1481-1490	10-15	.015-.025	tr.	tr.	tr.	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1465	39	10
1470	40	14
1475	36	20
1480	42	17

DIVERS

Taux de pénétration: 32-36 min/m
Relevé de déviation: 1478 m: 4 1/8

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 15 avril 1981

PROFONDEUR de 1460 mètres JOUR DE FORAGE 39

à 1465 (5) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1460-1465 m: 70% Calcaire gris clair-moyen, légèrement brun, argileux, siliceux à très siliceux, légèrement silteux, tr. de spicules, légèrement dolomitique
30% Calcaire blanc-beige, friable.
Tr. Calcite

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1460-1463	.10	.02	.01	tr.	tr.	tr.	tr.
1460 Trip Gas	1.30	.21	.05	.02	tr.	tr.	tr.
1463 Trip Gas	4.40	.70	.20	.13	.08	.07	.04
1463-1465	.30	.08	.015	tr.	tr.	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1465	39	10

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 14 avril 1981

PROFONDEUR de 1439 mètres JOUR DE FORAGE 38

à 1460 (21) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1435-1460 m: 85% Calcaire brun - brun grisâtre, siliceux, silteux, légèrement dolomitiq
15% Calcaire blanc
1435-1445 m: 5% chert brun clair
1455 m: calcaire gris brunâtre, dolomitique, très siliceux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1440-1443	.15	.02	.01	tr.	→	→	→
1443 Trip Gas	3.00	.31	.11	.09	.05	.04	.02
1444-1449	.10	.015	tr.	→	→	→	→
1450-1460	.15	.03	.010	tr.			

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1440	35	5
1445	40	5
1450	39	6
1455	36	13
1460	36	10

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 13 avril 1981

PROFONDEUR de 1415 mètres JOUR DE FORAGE 37

à 1439 (24 m) mètres GEOLOGUE G. Lachambre

LITHOLOGIE RESUMEE

1415-1435 m: 60-65% calcaire brun pâle à moyen, plus ou moins translucide, localement brun foncé, siliceux à très siliceux, aspect silteux (microquartz) localement vraiment silteux, avec présence à abondance de spicules (wackestone), légèrement dolomitique.
30-40% Calcaire blanc beige, traces spicules.
tr- 5% Calcite blanche à translucide.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	%C
1415-1439	2.8 - .20	.66 - .04	.2 - .05	.09 - tr.	.03 - tr.	tr.	0-
1423 Trip Gas	4.5	.84	.30	.17	.07	.08	.0

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1420	46	11
1425	43	6
1430	33	7
1435	33	6

DIVERS

Taux d'avancement: 1415-1435 m: 22-44 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE NORD NO 1 DATE Le 12 avril 1981

PROFONDEUR de 1370 mètres JOUR DE FORAGE 36

à 1415 (35 m) mètres GEOLOGUE G. Lachambre

LITHOLOGIE RESUMEE

1370-1375 m:	80%	Calcaire brun moyen à foncé, très silteux et argileux avec traces de spicules, localement dolomitique.
	20%	Calcaire blanc brunâtre à beige, très silteux friable représente la lithologie ci-dessus.
1375-1385 m:	25-45%	Calcaire brun foncé grisâtre et brun pâle très silteux et argileux avec présence de spicules (wackestone à spicules), légèrement dolomitique.
	15%	Calcaire brun pâle, pur, lithographique.
	40-50%	Calcaire blanc-beige, friable, IDEM
1380-1385 m:	Tr.	Porcellanite gris clair bleuté.
	Tr.	Siltstone gris clair, peu calcareux.
1385-1400 m:	60-65%	Calcaire brun très pâle, plus ou moins translucide, très siliceux, dolomitique, pouvant passer localement à des dolomies calcareuses 1395-1400 m: Calcaire brun avec abondance de spicules.
	20-35%	Calcaire blanc beige dolomitique.
	Tr-15%	Porcellanite gris clair bleuté parfois brunâtre.
1400-1410 m:	70-80%	Calcaire variant brun moyen grisâtre à brun pâle, soit argileux et avec présence de spicules lorsque brun moyen, moins siliceux lorsque brun pâle. Le tout dolomitique, tr. de bitume noir et rare ostracodes.
	20-30%	Calcaire blanc beige...
1410-1415 m:	80%	Calcaire brun moyen parfois grisâtre, plus ou moins siliceux à présence de spicules; le tout dolomitique.
	20%	Calcaire blanc beige...
	Tr.	De calcite (porosité de fracture?).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1370-1414	.10 - .20	.01-.06	tr-.013	tr.	tr.	--	--
1414-1415 Kick Gas	8.00	4.0	.46	.13	.06	.04	.01

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)_2$

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 12 avril 1981

FORAGE/WELL SOQUIP PETROFINA BAIE DE GASPE NORD NO

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1375	44	11
1380	66	4
1385	46	9
1390	30	16
1395	28	14
1400	32	9
1405	40	12
1410	50	12
1415	46	12

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 11 avril 1981

PROFONDEUR de 1338 mètres JOUR DE FORAGE 35

à 1370 (32 m) mètres GEOLOGUE G. Lachambre

LITHOLOGIE RESUMEE

1335-1370 m: 80-95% siltstone, brun moyen à localement foncé, ou brun pâle, soit peu argileux (considéré comme silts) soit argileux (mudstone), passablement calcareux et légèrement dolomitique, avec trace de spicules.

tr-15% siltstone, blanc à blanc brunâtre, friable, calcareux, représentant la composition ci-dessus.

tr- 5% siltstone gris très clair à gris clair brunâtre non calcareux à tr peu.

1360-1370 m: Tr. calcite (fluorescence jaune sur cuttings) porosité intercristallin

INDICES ET ESSAIS/SHOWS AND TESTS

GAS:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$	$\%C_6$
1339-1363	.08-.10	.02	tr.	tr.	---	---	---
1363-1365 Kick Gas	18.00	8.6	1.6	.9	.2	.03	.01
1365-1370	.20-.50	.07	.02	.02	.005	tr.	tr.
1338 Trip Gas	2.4	.73	.08	.05	tr.	tr.	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1340	18	7
1345	30	6
1350	19	10
1355	17	7
1360	22	8
1365	23	9
1370	20	12

DIVERS

Taux d'avancement: 1340-1360 m: 18.6-30.4 min/m
1360-1365 m: 13.6
1365-1370 m: 24

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 10 avril 1981

PROFONDEUR de 1310 mètres JOUR DE FORAGE 34

à 1338 (28 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

1310-1320 m:	85-95%	Calcaire brun pâle à foncé, parfois gris clair brunâtre, silteux (microquartz 20-35%), avec traces de spicules siliceuses. La roch est siliceuse et cherteuse (10%); plus ou moins recristallisé et dolomitique.
	5-15%	Calcaire blanc à beige, friable.
	Tr.	D'huile immature (rouge orangé) traces de retombées.
1320-1330 m:	85-90%	Siltstone brun moyen à foncé, argilo-calcareux, légèrement dolomit que.
	10-15%	Siltstone gris clair à beige, non calcareux, passant très localeme à un grès très fin. Très légères traces de tuff? gris olive très pâle.
1330-1335 m:	90%	Siltstone brun moyen, argileux, passablement calcareux, légèrement dolomitique.
	10%	Siltstone blanc à beige.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$
1310-1338	5-15	.01	.03	tr.	tr.	---
1310 Trip Gas	200	.70	.10	.03	.01	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1310	10	6
1315	13	4
1320	8	5
1325	12	4
1330	16	7
1335	27	8

VERS

Taux de pénétration: 33-50 min/m (moy. = 42 min/m)

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 9 avril 1981

PROFONDEUR de 1272 mètres JOUR DE FORAGE 33

à 1310 (38 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

1270-1310 m:	85-90%	Siltstone grossier, gris moyen brunâtre, parfois gris clair brunât à matrice calcareuse, dolomitique et siliceuse.
	10-15%	Mudstone beige brunâtre friable à spicules?
	tr.	Huile à faible maturité (low gravity)
1295-1310 m:		Mudstone calcareux gris moyen brunâtre

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$
1270-1310	.08 - .15	.02	tr - .01	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1270	29	5
1275	15	7
1280	16	6
1285	21	7
1290	22	7
1295	12	7
1300		
1305	14	6

DIVERS

Relevé de déviation:

1273 m:	4°
1282 m:	$4\text{-}1/8^{o}$
1292 m:	$4\text{-}1/4^{o}$
1301 m:	$4\text{-}1/2^{o}$
1310 m:	$4\text{-}3/4^{o}$

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP Petrofina Baie de Gaspé-Nord No. 1 DATE Le 8 avril 1981

PROFONDEUR de 1231 mètres JOUR DE FORAGE 32

à 1272 (41 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

1230 - 1240 m:	60-75%	calcaire brun pâle à gris moyen brunâtre à bleuté, peu argileux siliceux (20%) Présence à abondance de spicules (wackestone)
	25-40%	Calcaire blanc à beige, présence de spicules.
	tr.	tâche d'huile (jaune pâle) dans les deux lithologies précédentes
	tr.	sulfure, calcite, tr... glauconie.
1240-1245 m:		IDEM
124501255 m:	75%	calcaire IDEM, siliceux à très siliceux, présence de spicules.
	25%	calcaire blanc, friable avec spicules.
	tr.	calcite et bitume.
1255-1260 m:	80%	calcaire, IDEM, localement silteux, moins siliceux
	15%	calcaire blanc, friable.
	tr.	chert gris clair bleuté à brunâtre plus ou moins translucide.
	tr.	... de glauconie.
1260-1265 m:	85%	calcaire surtout brun à brun pâle, peu argileux lorsque pâle, plus ou moins siliceux (5-10%), localement silteux, avec tr. d'c tracode et présence de spicules, tr. de glauconie.
	10%	calcarénite à crinoïde blanche à brun pâle, moyenne à grossière avec trace à présence de glauconie. Présence d'ostracode très rare, grains de quartz bien arrondis.
1265-1270 m:	95%	calcaire brun moyen silteux avec trace de spicules et d'ostracoc absence de glauconie., trace.
	tr.	calcarénite à crinoïde, IDEM
	tr.	calcaire blanc, friable.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	%
1230-1270	.10-.12	.03-.02	tr.	0-tr.	0-tr.	0-

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1235	48	7
1240	50	7

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 8 avril 1981

FORAGE/WELL SOQUIP Petrofina Baie de Gaspé-Nord No

REMARQUES/REMARKS suite.../

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1245	49	6
1250	45	7
1255	54	5
1260	40	7
1265	51	5
1270	29	5

DIVERS

Relevé de déviation:

1235: 3-1/4°
1245: 3-1/2°
1254 3-3/4°
1263: 3-3/4°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BIAE DE GASPE-NORD NO1 DATE Le 7 avril 1981

PROFONDEUR de 1189 mètres JOUR DE FORAGE 31

à 1231 (42 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

1185 - 1190 m:

75% Calcaire brun pâle à brun, et gris brunâtre, peu peu argileux, siliceux (15%), abondance de spicules (WASKESTONE à spicules), légèrement dolimitique.

25% Calcaire blanc crème à beige pâle, présence de spicules.

Traces de siltstone calcareux gris foncé, micacé.

1190 - 1195 m:

75% Calcaire brun pâle... légèrement silteux.

25% Calcaire blanc crème...

Traces de siltstone...

1195 - 1230 m:

80% Calcaire brun pâle... présence de spicules, légèrement dolomitique.

20% Calcaire blanc crème,---friable, quelques spicules.

Traces de siltstone...
Traces minimes de taches d'huile (fluorescence) ?

INDICES ET ESSAIS/SHOWS AND TESTS

Gaz:	Profondeur	%H.W. Units	$\%C_1$	$\%C_2$	$\%C_3$	$\%C_4$	$\%C_5$
(back ground)	1189-1231 m	3-35 unités	.01-.15	0-.02	0-.01	0-tr	0-tr
Pic à:	1229 m	60	.21	.04	.02	.01	tr

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg\ (CO_3)2$
	1190	47	6
	1195	42	6
	1200	43	7
	1205	44	6
	1210	46	6
	1215	48	5
	1220	52	8
	1225	54	10
	1230	52	8

.../2

DIVERS

Déviation:	1197 m:	3°
	1207 m:	3°
	1216 m:	3°
	1226 m:	$3\ 1/8^{o}$

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA MAIE DE GASPE-NORD NO1 DATE Le 6 avril 1981

PROFONDEUR de 1177 mètres JOUR DE FORAGE 30

à 1189 (12 m) mètres GEOLOGUE Richard Théroux

INDIAN COVE

LITHOLOGIE RESUMEE

1175 - 1180 m:

75% Calcaire brun pâle et brun moyen, respectivement peu argileux et silteux, absence de spicules, légèrement siliceux (10%).

20% Calcaire blanc crème à parfois beige pâle, friable, gréseux, PRÉSENCE de spicules.

5% Traces siltstone gris foncé, calcareux, micacé.
Traces de siltstone gris verdâtre, grossier, micacé, glauconieux
Traces de grès gris clair verdâtre, fin à moyen; sub-anguleux; tris mauvais, présence de glauconie, quelques grains orangés de feldspaths. Traces de matière organique.

1180 - 1185 m:

80% Calcaire brun pâle et brun moyen...

20% Calcaire blanc crème... Traces grès gris clair verdâtre.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1177-1189	.03%	.01%	-----
TG à 1189	.09%	.01%	-----

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg\ (CO_3)2$
1180 m:	46	8
1185 m:	44	7

DIVERS

Déviation: 1178 m: $4\frac{1}{4}^{o}$

Pénétration: 46-64 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 5 avril 1981

PROFONDEUR de 1153 mètres JOUR DE FORAGE 29

à 1177 (24m) mètres GEOLOGUE Richard Théroux

INDIAN COVE

LITHOLOGIE RESUMEE

1150 - 1155 m:	65%	Calcaire pâle et brun moyen, respectivement peu argileux et silteux, présence à abondance de spicules siliceuses (WACKESTONE à spicules), légèrement dolomitique.
	25-30%	Calcaire blanc crème à parfois beige pâle, friable, quelques spicules observées. Traces de siltstone, calcareux, grès brunâtre foncé, micacé, plus ou moins dolomitique.
	—	Traces de grès gris clair verdâtre, grains fins à très fins, sub-anguleux, tris moyen, traces de glauconie. Traces de grès gris CLAIR, TRÈS fin, sub-anguleux à sub-arrondi, TRIS moyen, ciment siliceux.
1155 - 1170 m:	60-75%	Calcaire brun pâle... (abondance de spicules)
	25-40%	Calcaire blanc crème... Traces de siltstone clacareux à très calcareux, gris foncé brunâtre, généralement micacé, légèrement dolomitique.
1170 - 1175 m:	75%	Calcaire brun pâle... (5-10% des grains sont siliceux)
	25%	Calcaire blanc crème... Traces siltstone calcareux...

INDICES ET ESSAIS/SHOWS AND TESTS

FAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1153-1177	.03-.04%	.01%	----
TG à 1158	.10%	102%	tr

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1155	44	14
60	54	7
65	60	8
70	60	5
75	48	8

DIVERS

Déviation: 1160 m: 4°
1169 m: 4°

Taux d'avancement: 30 - 43 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD N01 DATE Le 4 avril 1981

PROFONDEUR de 1132 mètres JOUR DE FORAGE 28

à 1153 (21m) mètres GEOLOGUE Richard Théroux

(YORK RIVER ET INDIAN COVE)

LITHOLOGIE RESUMEE

1130 - 1135 m:

80% Siltstone gris moyen à légèrement brunâtre, gréseux, passe à un grès très fin, localement légèrement calcaro-dolomitique (lorsque brunâtre), traces de matières organiques.

15% Grès gris clair, très fin à fin, sub-anguleux et sub-arrondi, siliceux, légères traces de matières organiques.

5% siltstone brun moyen, localement légèrement GRÉSEUX, calcaro-dolomitique.

1135 - 1140 m:

90% Siltstone gris moyen... localement traces de micas, trace de matière organique, traces sulfures.

10% Grès gris clair, localement légèrement verdâtre, très fin, sub-anguleux et sub-arrondi, silteux, traces de matière organique.

Traces de siltstone brun, légèrement gréseux, calcaro-dolomitique.

1140 - 1145 m:

85% Siltstone gris brunâtre à brun, localement gréseux, calcareux, passe à un CALCAIRE silteux, traces de mattière organique.

5% Grès gris clair à blanc, localement très légèrement brunâtre, très fin à fin, sub-angulaire à sub-arrondi, très moyen, traces de glauconie.

5% Calcaire beige à blanc, friable.

TR-5% Traces 5% calcaire brun (WACKESTONE à spicules), silteux à très silteux.

1145 - 1150 m:

75% Calcaire gris brunâtre à brun, argileux, peu silteux à très silteux, rarement gréseux, traces à présence de spicules, siliceux, traces pyrite.

.../2

10% Grès gris brunâtre à verdâtre, très fin sub-angulaire., calcareux.

5% Siltstone grès brunâtre--- traces de micas et de matière organique.

10% Calcaire blanc-beige, friable...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1132-1153 m.	.03-.04%	.01%	---
TG à 1132 m.	.08%	.04%	tr
TG à 1135 m.	.10%	.02%	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1130 m.	0	7
35 m.	5	9
40 m.	19	5
45 m.	23	7
50 m.	38	6

DIVERS

Déviation: 1132 m: 5° N 52 E

Pénétration: 24 - 30 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 3 avril 1981

PROFONDEUR de 1085 mètres JOUR DE FORAGE 27

à 1132 (47 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

1085 - 1090 m:	70%	Grès gris clair légèrement verdâtre, grains fins à moyens, sub-anguleux, sub-arrondis, mal triés, matrice argileuse, tr. de matière organique et de lithique.
	20%	Grès gris clair, grains moyens, sub-arrondis, tri moyen, quartzeux, ciment siliceux
	10%	Siltstone gris moyen, micacé, localement gréseux, tr. de matièr organique.
1090 - 1110 m:	80-90%	Grès gris clair verdâtre...
	10-20%	Siltstone gris moyen, gréseux, passant localement à un grès très fin, micacé avec trace de matière organique.
1110 - 1120 m:	60-70%	Grès gris clair verdâtre...
	30-40%	Siltstone... IDEM...
1120 - 1130 m:	70-85%	Siltstone...
	15-30%	Grès gris clair verdâtre, très fin à fin...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$
	1085-1130	.02 - .04	tr - .013

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	1085-1130 (10 m)	0	0 - 2

DIVERS

Relevé de déviation:
1094 m: 4-1/2°
1104 m: 4-1/4°
1123 m: 4-1/2°
1132 m: 5°

Taux d'avancement: 20-28 min/m
Trip : 1132 m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 2 avril 1981

PROFONDEUR de 1045 mètres JOUR DE FORAGE 26

à 1085 (40 m) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

1045 - 1050 m:	95%	Siltstone gris moyen, gréseux, micro-micacé, passant localement à un grès très fin, argileux, trace de matière organique.
	5%	Grès gris clair, très fin à fin, sub-anguleux, mal trié, siliceux, quartzo-feldspathique.
1050 - 1055 m:	75%	Grès gris clair, grains fins, tri mauvais à moyen, siliceux, quartzo-feldspathique.
	25%	Siltstone...
1055 - 1085 m:	90-100%	Grès gris clair...
	0- 10%	Siltstone...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1045-1085	.02	tr.	---
Trip Gas 1045	.05	.02	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1045-1085 (10 m int.)	0	1 - 4

DIVERS

Déviation: 1056 m: 4°
1075 m: 4-1/8°
1085 m: 4-1/4°

Taux d'avancement: 28-30 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 1er avril 1981

PROFONDEUR de 1011 mètres JOUR DE FORAGE 25

à 1045 (34 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

1010 - 1030 m: 100% grès gris clair légèrement verdâtre, grains fins à moyens, sub-arrondis, sub-anguleux, tri mauvais à moyen, ciment siliceux, matrice argileuse, légèrement dolomitique, fragments lithiques (shale, silts), légèrement argileux.

1030 - 1040 m: 90% Grès, IDEM...
10% Silts gris clair à moyen et grès gris moyen, grains très fins et argileux.

1040 - 1045 m: 100% Grès gris verdâtre... IDEM

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
1011-1015	.08	.05	tr.
1015-1045	tr.		
Trip Gas 1021	.06		

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
1020-1040	0	2

DIVERS:

Déviation: 1034 m: 4°
1044 m: 4°
1018 m: 4-1/4°

Taux d'avancement: 25-30 min/m

SOQUIP
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 31 mars 1981

PROFONDEUR de 982 mètres JOUR DE FORAGE 24

à 1011 (29 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

980 - 985 m:	95-100%	Grès gris clair lég. verdâtre, gr. f. à m., sub-arr.-sub-ang., mal trié, ciment siliceux, matrice argileuse, frag. lithique (sh. silts) tr. pyr. m.o. et kaolinite.
	0- 5%	Silts. gris clair - moyen et grès gris à moyen, gr. très fin et argileux.
985 -1005 m:	85%	Grès gris clair verdâtre...
	10%	Grès gris moyen...
	5%	Silts. gris clair - moyen...
1005 -1010 m:	95%	Grès gris clair verdâtre
	5%	Grès argileux.
	Tr.	Silts.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
980-1010	.02 - .04	tr - .02	0 - tr.
Trip Gas 1001	.08	.02	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
990-995-1010	0	1

DIVERS

Déviation: 1001 N 51 E : $5\text{-}1/4^{o}$
1011 : 4° (Déviation sub - lire - $1/2^{o}$)

Taux d'avancement: 38-42 min/m avant
16-28 min/m après

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 30 mars 1981

PROFONDEUR de 936 mètres JOUR DE FORAGE 23

à 982 (46 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

935 - 950 m:	60-85%	Grès gris clair verdâtre, grains fins à moyens, tri mauvais, rare lithique, tr. pyrite et matière organique, légèrement friable.
	15-40%	Siltstone gris moyen, grossier, argileux, passant à un grès...
950 - 960 m:	50-60%	Grès gris vert...
	40-50%	Grès, gris moyen, gr. très fins, passe à un siltstone, gréseux, argileux.
960 - 980 m:	80%	Grès gris clair, verdâtre
	15%	Grès gris moyen, argileux... - Siltstone
	5%	Siltstone, gris moyen - grès

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
935-980	.02 - .04	tr - .02	0 - tr.
Trip Gas 981	.03	.012	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
960	0	1
980	0	2

DIVERS

Taux d'avancement: 18-27 min/m
Déviation: 942 m: 5-3/4°
981 m: 6°

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 29 mars 1981

PROFONDEUR de 906 mètres JOUR DE FORAGE 22

à 936 (30 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

905 - 915 m: 60% Grès gris verdâtre, grains fins à moyens, sub-arrondis à sub-anguleux, tri mauvais, ciment siliceux, matrice argileuse, traces matière organique et pyrite légèrement friable.

40% Siltstone gris clair - moyen, argileux passant à un grès à grains très fins.

915 - 920 m: 80% Grès....
20% Siltstone

920 - 925 m: 95% Grès, gr. moyens, tr. micas, bien cimentés.
5% Siltstone...

925 - 935 m: 60% Grès...
40% Siltstone...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
905-935	.02-.06	tr - .025	0 - tr.
Trip Gas 914	.08	.015	---

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
920	0	0
925	0	1

DIVERS

Taux d'avancement: 30 - 50 min/m

Déviation: 913 m: 6°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 28 mars 1981

PROFONDEUR de 865 mètres JOUR DE FORAGE 21

à 906 (41 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

860 - 870 m:	100%	Grès lithique (multicolore), gris verdâtre, grains moyens, sub-arrondis à sub-anguleux, tri mauvais, matrice argileuse, gr. détaché tr-5% orange, mudstone rouge, tr. pyrite et matière organique et micas.
	Tr.	Siltstone gris clair - moyen, homogène.
870 - 885 m:	100%	Grès gris clair verdâtre, gr. fins - moyens... IDEM peu de lithique, légèrement dolomitique et argileux, niveau quartzeux.
885 - 905 m:	95%	Grès... IDEM
	5%	Siltstone....

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
	865-905	.01-.05	tr-.015	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
	880	0	5
	895-900	0	2

DIVERS

Taux d'avancement: 30-38 min/m
Déviation: 885 m: 5°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE 27 mars 1981

PROFONDEUR de 831 mètres JOUR DE FORAGE 20

à 865 (34) mètres GEOLOGUE Claude Denis

Formation: York River

LITHOLOGIE RESUMEE

825-830 m: 25% Grès gris vert, gr. m. sub-arrondis - sub-anguleux, tri mauvais à passable, ciment siliceux, tr. pyrite et m. organique, feldspath blanc lithique variés.
25% Siltstone gris moyen et gris verdâtre passant à un grès très fin.
50% Grès gris vert à gr. très fins...IDEM

830-835 m: 10% Grès gris vert à gr. m. IDEM
45% Silts. IDEM
45% Grès gris vert à gr. très fins, IDEM

835-840 m: 45% Grès gris vert à gr. m., arg. et plus lithique; tr. feldspaths oranges tr. pyrite et matière organique.
55% Silts...
tr. Grès

840-845 m: 20% Grès gris v. à g. moyen
40% Silts...
40% Grès gr. vert très fin, propre.

845-855 m: 60% Grès gris vert à gr. très fins à m. plus m. micas...
40% Silts. gris vert à gr. très fins.

855-860 m: 85% Grès gris brun et gris vert, gr. fins à moyen, loc. grossiers, sub-arrondis à sub-anguleux, tri passable, gr. détachés.
10-15% Shale lithique, frg. rouge à rose, micas, ciment siliceux.
15% Silts gris moyen à verdâtre...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$	$\%C_2$
Background	1-3	0-tr.	---
T.G. 858	18	.02	tr.

REMARQUES/REMARKS

CALCIMETRIE: 840-850 m: 0/0

DIVERS

839 m: 4-1/2
858 m: 5-1/2

Taux d'avancement: avant 858 m: 30-40 min/m
après 858 m: 19 min/m

SOQUIP

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 26 mars 1981

PROFONDEUR de 784 mètres JOUR DE FORAGE 19

à 831 (47 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

780 - 790 m:	100%	Grès incolore à très légèrement brunâtre à verdâtre, grains moyens, sub-arrondis à sub-anguleux, tri moyen, friable, traces gr. orange et vert (lithique) tr. à 5% de kaolinite, tr. pyrite et matière organique.
	Tr.	de siltstone gr. clair à moyen à verdâtre.
790 - 800 m:	100%	Grès brunâtre à verdâtre, gr. f. à m., sub-arrondis à sub-anguleux, plus cimenté, fragments de roches. tr - 5% gr. orange, 30% gr. verdâtre. tr. de pyrite et matière organique.
800 - 805 m:	100%	Grès... IDEM 780-790 m.
805 - 810 m:	85%	Grès clair à verdâtre
	15%	Siltstone gris moyen à légèrement verdâtre ou grès tr. f.
810 - 815 m:	65%	Grès, IDEM, très pur de grains oranges.
	35%	Siltstone
815 - 820 m:	95%	Grès incolore, IDEM
	5%	Siltstone
820 - 825 m:	85%	Grès incl.
	15%	Siltstone

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units	$\%C_1$
Background	.03-.04	0-tr.
785	.06	0
790-795	.06	tr.

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
800, 820	0	0

DIVERS

Déviation: 801: 4-1/8
829: 4-1/2

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 25 mars 1981

PROFONDEUR de 740 mètres JOUR DE FORAGE 18

à 784 (44 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

740 - 755 m: 100% (5%) Grès gris très clair, quelques grains verts et orangés, moyens, sub-anguleux à anguleux; non consolidés, peu de ciment siliceux.

755 - 760 m: 90% Grès... Idem... grains fins à moyens, sub-anguleux à anguleux,... (5% orange)

10% Siltstone, gris clair à moyen, passant à un grès très fin, dureté moyenne, trace de pyrite et de matière organique.

760 - 780 m: 100% Grès, IDEM à 755 - 760 m
(échantillon 760-765 m: sans grains orangés)
(770-780 m: 5% orange)

INDICES ET ESSAIS/SHOWS AND TESTS

GAS:

Profondeur	%H.W. Units	$\%C_1$
Background 740-780 m	4-6	NIL
Pic 762	8	0.01
Trip Gas 758	10	0.01

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
745-750	0	2
740-748 et 750-780	0	0

DIVERS:

aux de pénétration: 740 - 755 m: 25-36 min/m
755 - 780 m: 18-22 min/m

Déviation: 758 m: 4-1/8°
783 m: 4-1/8°

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 24 mars 1981

PROFONDEUR de 694 mètres JOUR DE FORAGE 17

à 740 (46 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

Lithologie type: York River

695 - 705 m: 80-90% Grès gris clair à moyen, passant à un siltstone, grains très fins, sub-arrondis, matrice argileuse, argileux, dureté moyenne, trace de pyrite et matière organique.

10-20% Silts. gris moyen à foncé, passant à un grès à grains très fins, moyennement dur à dur, tr. pyrite, matière organique et micromicas

705 - 715 m: 40-60% SS... IDEM
40-60% Silts... IDEM

Lithologie type: Battery Point

715 - 775 m: 90-100% Grès, multicolore, gris clair à moyen, grains moyens, matrice argi leuse, moyennement dur, tr. de matière organique (5% orange).
0 -10% Silts...IDEM

725 - 730 m: 100% Grès brun rougeâtre, grains moyens, sub-anguleux, argileux, légère ment quartzitique (5% orange)

730 - 740 m: 100% Grès multicolore, gris clair à moyen, grains fins à moyens, sub-anguleux, matrice argileuse, légèrement siliceux et dolomitique, dur à friable, tr. matière organique (10% orange).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. units	$\%C_1$
696 (Trip Gas)	.26	.01

Back ground: .03 - .04
725-730 .06 - .08

REMARQUES/REMARKS

CALCIMETRIE: 0/0

DIVERS

Taux de pénétration: 20-25 min/m
Déviation: 688 m: N50E - 3¾
714 m: 3-¾
733 m: 4

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 23 mars 1981

PROFONDEUR de 653 mètres JOUR DE FORAGE 16

à 694 (41 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

650 - 655 m:	100%	Grès, gris clair à moyen, grains très fins, argileux. Tr. pyrite et matière organique.
655 - 670 m:	90%	Grès, IDEM
	10%	Siltstone, gris moyen
670 - 690 m:	100%	Grès, multicolore, grains fins à moyens, sub-arrondis, peu consolidé Tr. pyrite et matière organique (5-10% orange).
690 - 695 m:	70%	Grès...
	30%	Siltstone, gris moyen, moyennement consolidé, tr. matière organique.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units
650-695	.04 - .05

REMARQUES/REMARKS

CALCIMETRIE: 0/0

DIVERS

Taux de pénétration: 26 - 34 min/m
Déviation: 668 m: 3½
687 m: 3½

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 22 mars 1981

PROFONDEUR de 603 mètres JOUR DE FORAGE 15

à 653 (51 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

600 - 615 m: 100% Grès, multicolore, gris clair, grains fins à moyens, sub-anguleux à sub-arrondis, matrice argileuse, peu consolidé, tr. kaolinite, pyrite (15% orange).

615 - 630 m: 90% Grès, ... IDEM
10% Siltstone, gris brunâtre moyennement à bien consolidé, passant à un grès à grains très fins, tr. matière organique et pyrite.

620 m: 15% feldspaths oranges
625 m: 5% " "
630 m: 0% " " (possiblement de type York River?)

630 - 645 m: 100% Grès gris clair à moyen, grains très fins, sub-anguleux, sub-arrondi argileux, micromicacé et pyriteux (0% orange).

645 - 650 m: 90% Grès, IDEM (0% orange)
10% Siltstone, IDEM

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units
605-630	.02 à .04
635-645	.08
646-650	.05

REMARQUES/REMARKS

CALCIMETRIE: 0/0

DIVERS

Taux de pénétration: 22-25 min/m
Déviation: 631: 3¾
640: 3½

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 21 mars 1981

PROFONDEUR de 537 mètres JOUR DE FORAGE 14

à 602 (65 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

535 - 570 m:	100%	Grès, multicolore, gris clair à moyen, grains fins à moyens, sub-anguleux à sub-arrondis, matrice argileuse, moyennement à peu consolidé, tr. pyrite et matière organique (15% feldspaths oranges)
570 - 580 m:	80%	Grès, IDEM
	20%	Siltstone, gris moyen, passant à un grès à grains très fins, tr. matière organique et pyrite.
580 - 585 m:	100%	Grès, IDEM
585 - 590 m:	90%	Siltstone...
	10%	Grès... (5% feldspaths oranges)
590 - 595 m:	90%	Grès.. (10% feldspaths oranges)
	10%	Siltstone...
595 - 600 m:	100%	Grès, multicolore, grains fins à moyens, tr. kaolinite et matière organique (15% feldspaths oranges).

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units
	585	
	597	.02
	603	
	575	.03

REMARQUES/REMARKS

CALCIMETRIE: A tous les 20 mètres: 0/0

DIVERS

vancement: 15-20 min/m
Déviation: 537 m: 3
574 m: 3
602 m: 3-1/8

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G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 20 mars 1981

PROFONDEUR de 449 mètres JOUR DE FORAGE 13

à 537 (88 m) mètres GEOLOGUE CORELAB

LITHOLOGIE RESUMEE

450 - 455 m:	60%	Grès (coloré), gris moyen à gris brunâtre, grains très fins, sub-arrondis, matrice argileuse, matière organique (10% feldspath orange)
	40%	Siltstone gris clair à moyen, localement brun rougeâtre, dureté moyenne, pyritique, matière organique et micromicacé.
455 - 460 m:	80%	Grès (coloré), gris clair à moyen, IDEM (10% feldspath orange)
	20%	Siltstone gris moyen, dureté moyenne, IDEM
465 - 480 m:	100%	Grès (coloré), grains fins à moyens, sub-arrondis, tri moyen, peu cimenté (15% orange).
480 - 485 m:	70%	Grès (coloré), grains très fins, matrice argileuse, trace matière organique (5% orange).
	30%	Siltstone gris moyen, IDEM
485 - 515 m:	100%	Grès (coloré), gris clair-moyen, gris brunâtre, gris verdâtre, grains fins à moyens, matrice argileuse, peu cimenté, matière organique (5-10% orange)
515 - 535 m:	90-100%	Grès, (coloré), grains fins à moyens (<5% orange).
	0-10%	Siltstone gris clair-moyen passant à un grès, pyrite et matière organique.
	Tr.	Shale brun foncé, pyritique.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units
499	.04
501	.04
530	.01

REMARQUES/REMARKS

CALCIMETRIE: 0/0

AUX D'AVANCEMENT: 12-16 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 19 mars 1981

PROFONDEUR de 392 mètres JOUR DE FORAGE 12

à 449 (57 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

390 - 400 m:	80%	Grès gris brunâtre, grains très fins, matrice argileuse.
	20%	Siltstone, gris verdâtre, passe à un grès à grains très fins.
400 - 415 m:	30- 50%	Grès gris clair-moyen, grains très fins à fins, sub-anguleux - sub-arrondis, matrice argileuse, matière organique, pyrite.
	50- 70%	Siltstone, gris clair-moyen, passe à un shale silteux, micromicacé et pyriteux.
415 - 430 m:	100%	Grès multicolore (gris, vert, brun) grains fins à moyens, sub-arrondis, matrice argileuse.
430 - 435 m:	60%	Siltstone, IDEM
	40%	Grès, IDEM
435 - 450 m:	80-100%	Grès, IDEM
	20%	Siltstone, IDEM

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units
412	.05%
418	.04%
434	.02%

REMARQUES/REMARKS

CALCIMETRIE:

Profondeur	$\%CaCo_3$	$\%CaMg(CO_3)2$
400	0	0
420	0	0
440	0	0

DIVERS

aux d'avancement: 17 - 20 min/m

Déviation: 404 m: 2¼; 423 m: 2½; 442: 2½

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE NORD NO 1 DATE Le 18 mars 1981

PROFONDEUR de 324 mètres JOUR DE FORAGE 11

à 392 (68 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

325 - 330 m:	100%	Grès gris verdâtre à grains moyens...
330 - 335 m:	70%	Grès...
	20%	Siltstone gris-gris brun argileux.
	10%	Shale brun - brun rougeâtre, silteux, micromicacé.
335 - 380 m:	100%	Grès, gris verdâtre, grains fins à moyens...
380 - 395 m:	90%	Grès... IDEM
	10%	Siltstone gris vert-rouge
385 - 390 m:	50%	Siltstone rouge grisâtre, grossier, passe localement à un grès à grains très fins
	10%	Siltstone gris verdâtre - grès
	30%	Grès gris vert, grains très fins à fins
	10%	Grès brun rougeâtre, grains très fins à fins

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ: AUCUNE LECTURE

REMARQUES/REMARKS

CALCIMETRIE: 0/0

DIVERS

Taux d'avancement: 20-26 min/m

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 17 mars 1981

PROFONDEUR de 294 mètres JOUR DE FORAGE 10

à 324 (30 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

295 - 325 m: 100% Grès gris vert, moyen localement fin, sub-anguleux à sub-arrondi, argileux et localement siliceux.
Tr. Pyrite, micas, feldspaths.

Au niveau 300 m, traces matière organique, faible indice de 5 .05%

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

Profondeur	%H.W. Units
295 - 325	0 - .02

REMARQUES/REMARKS

CALCIMETRIE: A chaque 20 m: 0/0

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 16 mars 1981

PROFONDEUR de 294 mètres JOUR DE FORAGE 9

à 294 (0) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

Laisser sécher le ciment

3340 de la Pérade
SAINTE-FOY, Qué.
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 15 mars 1981

PROFONDEUR de 294 mètres JOUR DE FORAGE 8

à 294 (0) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

294 m: Entré 294 m de coffrage 244.4 mm

SOQUIP
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 14 mars 1981

PROFONDEUR de 266 mètres JOUR DE FORAGE 7

à 294 (28 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

270 m:	50%	Shale gris foncé, silteux, micacé, moyennement dur
	40%	Siltstone gris, gris brun à vert, gréseux
	10%	Sandstone gris vert à grains fins, sub-anguleux, sub-arrondis, tri moyen.
270 - 275 m:	10%	Shale
	80%	Siltstone
	10%	Grès
275 - 295 m:	10%	Siltstone
	90-100%	Grès gris, grès vert, (10% orange) feldspathique à grains fins à moyens, tri moyen, argileux.

SHOWS AND TESTS/INDICES ET ESSAIS

GAZ: AUCUNE LECTURE

REMARKS/REMARQUES

CALCIMETRIE: 0/0

3340 de la Pérade
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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1 DATE 1981-03-13

PROFONDEUR de 201 mètres JOUR DE FORAGE 6

à 2066 (65m) mètres GEOLOGUE CORELAB

FORMATION: BATTERY POINT

LITHOLOGIE RESUMEE

195 - 200 m : 80% mudstone brun rougeâtre à gris
20% siltstone brun rougeâtre, grèseux

200 - 240 m :90-100% Grès gris verdâtre, grains fins à grossiers, sub-anguleux à sub-arrondis, mal trié, mal induré, matrice argilleuse et feldspaths rose
10% shale à siltstone gris verdâtre à gris, gréseux, micromicacé

240 - 245 m : 50% grès gris verdâtre , idem...
50% siltstone gris verdâtre, idem...

245 - 250 m : 70% grès idem..
20% siltstone idem...
10% shale gris moyen à foncé

250 - 255 m : 40% shale idem..., silteux
40% shale brun rougeâtre, silteux
10% siltstone...
10% grès...

255 - 265 m : 30-50% grès gris verdâtre, grains fins, sub-arrondis; à sub-anguleux moyennement trié, matrice argilleuse
30-40% shale gris, gris verdâtre, silteux et micro-micacé
10-40% siltstone...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:AUCUNE LECTURE

DIVERS: Déviation: 216 m $1\frac{1}{2}^{o}$
235 m $1\frac{3}{4}^{o}$

Trip: 255 m, WOB, 7000, RPM 55

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RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 12 mars 1981

PROFONDEUR de 140 mètres JOUR DE FORAGE 5

à 201 (60 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

140 - 150 m:	100%	Grès gris vert, grains fins à grossiers, sub-anguleux à sub-arrondis, mal trié, non consolidés, matrice argileuse.
	tr- 20%	Rougeâtre.
150 - 155 m:	100%	Grès rougeâtre, grains moyens à grossiers, localement fins, sub-anguleux à sub-arrondis, mal trié , matrice argileuse, peu consolidés. Tr. pyrite.
155 - 160 m:	80%	Grès gris verdâtre
	10%	Grès brun rougeâtre
	10%	Siltstone rouge brun, gréseux et micromicacé.
160 - 165 m:	50%	Silts. brun rougeâtre, gréseux, micromicacé et légèrement pyritque.
	15%	Silts. gris verdâtre, gréseux....
	20%	Grès rouge, localement verdâtre, grains très fins à fins. Trace micas et pyrite.
	15%	Shale (clay) rouge brunâtre, silteux, non consolidé et soluble l'eau, tendre.
165 - 170 m:	10%	Grès gris verdâtre, grains moyens..., IDEM
	90%	Siltstone, gris verdâtre, gréseux, micromicacé, moyennement dur
170 - 180 m:	90-100%	Grès gris verdâtre, grains moyens à fins, sub-anguleux, trace matière organique et micas.
	10%	Siltstone gris verdâtre...
180 - 185 m:	100%	Grains de quartz (très colorés), grains moyens à grossiers, sub arrondis, induré.
185 - 200 m:	80 -90%	Siltstone, gris moyen, localement brunâtre ou verdâtre, localem gréseux. Trace de matière organique, micromicacé.
	10 -20%	Grès gris vert, IDEM... gris clair à moyen à 195 m, stris dur, siliceux, grains très fins... Trace de fossiles?

.../2

RAPPORT GEOLOGIQUE JOURNALIER

DAILY GEOLOCIGAL REPORT

DATE Le 12 mars 1981

FORAGE/WELL SOQUIP BAIE DE GASPE-NORD NO 1

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ: AUCUNE LECTURE

REMARQUES/REMARKS

CALCIMETRIE: A TOUS LES 10 METRES - 0/0

DIVERS

Déviation: 149 m: 1½, 169 m: 1½, 188 m: 1¾, 197 m: 1¾
Trip: 149 m
Poids: 7000
RPM: 55
Visc: 55

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 11 mars 1981

PROFONDEUR de 80 mètres JOUR DE FORAGE 4

à 141(61) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

80-95 m:	95%	Grès gris verdâtre (très coloré) grains moyens à grossiers, sub-anguleu à sub-arrondis, matrice argileuse, mal consolidé.
	5%	Grès brun rougeâtre, grains moyens à grossiers, matrice argileuse, mal consolidé.
95-100 m:	80%	Grès, IDEM
	20%	Siltstone argileux gris brunâtre/verdâtre, tr. rougeâtre, micro-micacé.
100-110 m:	100%	Grès, IDEM
110-115 m:	60%	Grès, IDEM
	40%	Siltstone, IDEM
115-140 m:	90%	Grès, IDEM avec 5-20% rougeâtre.
	10%	Siltstone, IDEM.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ: PAS DE LECTURE

REMARQUES/REMARKS

CALCIMETRIE:

$\%CaCo_3$	$\%CaMg(CO_3)2$
0	0

DIVERS

Déviation: 93 m: $1\frac{1}{4}^{o}$, 112 m: $1\frac{1}{2}^{o}$, 131 m: $1\frac{1}{2}^{o}$

Poids: 4 000

Vitesse de rotation: 80

Avancement: 15-18 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 10 mars 1981

PROFONDEUR de 65 mètres JOUR DE FORAGE 3

à 80 (15 m) mètres GEOLOGUE Corelab

LITHOLOGIE RESUMEE

65 - 80 m: 100%: Grès gris (très coloré) grains fins à moyens, sub-anguleux à sub-arrondis, mal triés, matrice argileuse, présence de feldspaths roses

Tr.: Siltstone gris vert

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

AUCUNE LECTURE

REMARQUES/REMARKS

CALCIMETRIE:

%$CaCo_3$	%$CaMg(CO_3)2$
0	0

DIVERS

Trip à 80 mètres.
Déviation 80 m: 1-3/4°
WOB: 2 000
RPM: 70
Avancement: 10 min/m

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 9 mars 1981

PROFONDEUR de 65 mètres JOUR DE FORAGE 2

à 65 (0) mètres GEOLOGUE Richard Théroux

LITHOLOGIE RESUMEE

Alésé, entré le coffrage et cimenté.

SOQUIP
3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO. 1 DATE Le 8 mars 1981

PROFONDEUR de 24 mètres JOUR DE FORAGE 1

à 65 (41) mètres GEOLOGUE Richard Théroux

Formation: Battery Point

LITHOLOGIE RESUMEE

24 - 26 m: Mort-Terrain

26 - 65 m: Battery Point

26 - 50 m:	90-100%	Grès gris clair, légèrement verdâtre, grains moyens-grossiers, sub-anguleux - sub-arrondis, mal tiré, matrice argileuse et feldspaths roses et micas.
50 - 60 m:	40%	Grès, IDEM
	50%	Siltstone, grès très fin, gris vert; 5% localement rougeâtre.
	10%	Siltstone - shale rougeâtre
60 - 65 m:	100%	Grès gris vert (multicolore frag.) gr. fins - moyens localement grossiers, IDEM.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:

AUCUNE LECTURE

REMARQUES/REMARKS

CALCIMETRIE:

%$CaCo_3$	%$CaMg(CO_3)2$
0	0

RELEVE DE DEVIATION

44 m: 1-1/4°
65 m: 1-1/4°
Changé le trépan à 54 mètres.
›ids sur le trépan 1000 daN; RPM: 90

3340 de la Pérade
SAINTE-FOY, Qué.
G1X 2L7

RAPPORT GEOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1 DATE Le 7 mars 1981

PROFONDEUR de 0 mètres JOUR DE FORAGE 0
Journée non complétée

à 24 mètres GEOLOGUE Richard Théroux

Formation: Mort-terrain

LITHOLOGIE RESUMEE

100% Sable gris, vert, rouge, grians très fins à moyens.

V- APPENDICES

2) Description lithologique types ou de références

LITHOLOGIES DE REFERENCES

SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

1- Grès, coloré, gris verdâtre, grains fins à moyens, localement grossiers, sub-anguleux à sub-arrondis, mal trié, matrice argileuse, lithiques variés, feldspaths roses, localement peu consolidé (reste que des grains détachés de la matrice). Trace de matière organique.

2- Siltstone gris verdâtre, foncé à moyen, homogène, localement gréseux et localement gris.

3- Siltstone - rouge, brun rougeâtre, brun argileux, micromicacé, shale.

4- Siltstone gris verdâtre, grains moyens à grossiers, même caractéristique que 1.

5- Grès rouge, brun rougeâtre, grains moyens à grossiers, lithiques variés, argileux, localement passe à un siltstone grossier.

6- Grès gris clair, localement blanc, grains fins, sub-arrondis, tri moyen, siliceux, quartzo légèrement feldspathique, Formation de York River.

7- Siltstone gris foncé brunâtre, grossier, argileux et calcareux, localement micacé et laminé.

8- Calcaire gris brunâtre à brun variant de pâle à moyen, parfois foncé, argileux, peu silteux à très silteux lorsque gris, généralement à spicules lorsque brun pâle à moyen (wackestone à spicules), siliceux et localement très siliceux, contenant parfois de la porcelanite (chert), variant de légèrement dolomitique à plus ou moins dolomitique.

9- Calcaire beige à blanc, surtout blanc, friable, peut contenir des spicules ou être silteux (provient sans doute de l'écrasement par le trépan) représente la lithologie des calcaires ci-dessus (8). Retailles sont striées en surface.

10- Calcaire blanc, parfois légèrement brunâtre, grossier (difficile à voir) contient essentiellement des crinoïdes (calcarénite à calcirudite fine à crinoïdes) peut être recristallisé.

11- Siltstone gris moyen brunâtre à brun foncé grisâtre, calcareux à très calcareux, pouvant être siliceux à divers degrés, légèrement à plus ou moins dolomitique, parfois passablement argileux (mudstone).

12- Siltstone gris très clair à clair, parfois légèrement brunâtre, non calcareux à très peu calcareux.

13- Calcaire brun pâle à moyen, très pur, "lithographique" (après réaction avec HCl, prend un aspect unique et velouté).

14- Siltstone gris clair à moyen, passablement à fortement dolomitique.

15A- Siltstone et mudstone, gris clair verdâtre à vert pâle, localement légèrement verdâtre à gris très clair, argileux lorsque vert pâle (mudstone), plus pur et légèrement calcareux lorsque gris très clair (siltstone) légèrement dolomitique et micacé.

15B- Siltstone-mudstone, brun rougeâtre, localement gris rougeâtre, généralement argileux lorsque brun rougeâtre, légèrement dolomitique et micacé.

16- Shale gris moyen à foncé, localement vert pâle et gris très clair, très peu calcareux.

17- Siltstone-mudstone gris clair à moyen brunâtre (siltstone) à brun moyen à foncé (mudstone) calcareux, légèrement dolomitique, contenant rares crinoïdes et brachiopodes.

18A- Grès conglomératique, vert bouteille foncé à pâle parfois jaune verdâtre, grains très fins à grossiers, à quartz anguleux, mal trié, très chloriteux à peu chloriteux, peu chloriteux lorsque jaune verdâtre, contenant 5-15% de particules de quartz, incolore, 10-15% de fragments de crinoïdes, de stromatopores et de coraux restreints au sommet de l'unité.

18B- Siltstone conglomératique vert bouteille foncé à pâle, localement jaune verdâtre, généralement passablement chloriteux.

18C- Schiste à chlorite vert foncé, parfois vert moyen, lustré très chloriteux, parfois finement arénacé (serpentinite).

<u>Note:</u> Le lecteur doit lire schiste à chlorite vert foncé lustré à la place de siltstone pour 18 b.

V- APPENDICES

3) Description détaillée des retailles

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	1	2	3	4	5				GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
5																				Mort-terrain. Tr. sulfure 90% grès divers, 10% silts. Divers
10																				IDEM - 5 m Sable Battery Point et York River
15																				IDEM
20																				IDEM
25		MORT TERRAIN																		IDEM
30		95	5								1	1*		1			1			Grès très coloré, gris vert, sub-ang. à sub-arr., matrice arg.,quartz,gris blanc rouge
35		100									1	1*	1	1						Grès, IDEM, litho. type,peu cimenté,friable,matrice chl. et feldspaths roses orangé.
40		100										1*	1	1						IDEM 35 Tr. siltstone rouge vert.
45		100	tr	tr																IDEM 35
50		100	tr	tr								1*	1	1						
55		10	90							1	1*	1					1			Silts.,gris vert foncé, lég. arg.,homogène.Tr. silts. IDEM lithologie 1.
60		5	15	80																Localement gréseux (3) micacé
65		80	5	5	10					1*	1*	1	2	1*	1					Siltstone
70		80	tr			20?				1	1* 5*	1 5		1 5						
75		100									1	1*		1*	1					Niveau plus quartzeux.Grès friable, sub-ang. à sub-arr.

REMARQUES
* Valeur moyenne observée.
L Légèrement.

SOQUIP

Page -1-

Date / /

Géologue Richard Théroux

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	1	2	3	4	5				GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
80		100									1*	1		1*	1					Grès détaché, gr. sub-arr. à sub-anguleux, quartzeux.
85		100	tr								1	1*		1*			L			Grès gris vert, sub-anguleux, matrice argileuse.
90		95		5							1	1*		1*	1		L			Siltstone No. 3 brunâtre, localement gréseux.
95		80	tr	tr/5		15					1	1*	1							
100		90	10		tr						1	1		1*	1					Grès, grains détachés, sub-arr. à sub-ang. Siltstone 2 gris moyen, homogène.
105		5	10	75		10				5	5*	5								
110		95		5		tr					1	1*		1	1*					Niveau très quartzeux, grains détachés, sub-arrondis, localement arénacé.
115		tr		15		85					5*	5								Siltstone brun rouge, localement gréseux, micromicacé.
120				tr		100						5*	5	5						Traces quartz blanc, tr. sulfure, grains détachés, niveau quartzeux.
125		5		10		85				1* 5	1 5*	5	1 5							Grains détachés pouvant appartenir soit à 1 ou 5.
130		5		tr		95					5	5*		5						IDEM 125 m.
135		90		5		5					1	1*	1	1						Niveau surtout verdâtre, grains détachés liés à des grès gris vert.
140		10			tr	90					5	5*	5	5						IDEM 125 m.
145		10				90						5*	5	5						IDEM 125 m.

* peut être associé à la lithologie 5

SOQUIP

Page -2-

Date / /

Géologue Richard Théroux

Nom du puits IP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	3	4	5				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
155						100					5	5*	5	5						
160		85		5		10					1	1		1						Grès gris vert à brun, argileux approchant la lithologie 5.
165		tr	10	85	tr	5				1 5	1 5									Siltstone rougeâtre, gréseux. Lithologie 5 passe à siltstone.
170		5	95	tr	tr															Siltstone gris moyen-foncé, verdâtre, gréseux localement.
175			80	20																Siltstone gris moyen verdâtre
180		100	tr		tr					1	1*	1*			1*					Tr. matière organique, niveau quartzeux; niveau grès gris gris clair vert.
185		100									1	1*			1					IDEM 175
190		tr/5	80	20																Siltstone no. 3 - brunâtre.
195	0 / 15	25	30	25																IDEM siltstone No. 3 20% silts grès très fin, blanc, beige, gris pâle, niveau dol.
200				100																Shale brun rougeâtre passe à un siltstone micromicacé.
205				100																IDEM 200 m.
210		75	10	5	10					1	1*	1		1	1					
215		100	tr	tr	tr						1	1*	1	1						Niveau quartzeux.
220		100	tr							1*	1				1					Niveau très quartzeux.
225		95	tr/5								1	1*		1						IDEM 215 m.

SOQUIP

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Date / /

Géologue Richard Théroux

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	1	2	3	4	5	6			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
230		100									1*	1			1					Grains détachés, quartz, sub-arrondis, localement arr. Feldspath orange rose.
235		100									1	1*	1	1	1					
240		85	15									1	1	1						
245		10	75		15															
250		45	50		5					1	1*	1		1	1					
255		10	20	70	tr						1*	1								Lithologie 3-micromicacé, loc. gréseux; litho 2 slts, gris moyen-loc. verd., homog. et loc. gréseux.
260		10	75	5	10						1	1*								
265		40	60								1	1*		1	1		L			Litho 1, grès gr. sub-ang.-sub arr., moy. trié, ciment siliceux L: légèrement siliceux.
270		5	95							1	1*			1						Litho 2, silts gris moyen, verdâtre, homogène, loc. lég. gréseux, localement brunâtre.
275		5	95		tr/5					1	1*			1						IDEM 270
280		75	5		20						1*	1		1						Niveau grès - silts., gris verdâtre. Grès à matrice argileuse.
285		65	5		30					1*	1*	1								IDEM 280 Niveau plus fin.
290		100	tr		tr/5						1	1*	1	1			L			Grès gris vert, friable, matrice argileuse L: très légèrement siliceux.
295		100	tr								1*	1								Trace-présence bitume (noir) entre les grains 10% grains. Niveau friable.
300		100									1	1*	1							Niveau friable.

SOQUIP

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Date / /

Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

PROFONDEUR	Calcimetrie Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 1	2	3	4	5				GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
305		100										1	1*		1					Niveau plus quartzeux et friable, quartz orange. Feldspaths rose-orange.
310		100									1	1*	1							IDEM 305, friable. Trace matière organique.
315		100									1	1*	1							Quartzeux IDEM 305
320		100									1	1*								Friable IDEM 305
325		100									1*	1		1	1					Traces glauconie
330		100									1	1*		1						
335		65	10	25	tr						1	1*	1	1						
340		95	5	tr							1	1*		1						Niveau friable. Traces chlorite.
345		100	tr								1	1*		1						Friable Traces ciment kolinitique
350		100										1*	1	1						Sandstone IDEM - friable Matrice argileuse.
355		100										1*	1							Friable
360		95	5									1*	1	1		L				Friable
365		95	5								1	1*								
370		100									1	1*	1							
375		100									1	1*								

SOQUIP

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Date / /

Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimétrie Dolométrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 1	2	3	4	5				GRANULO TRÈS-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
380		95			5						1	1*								IDEM 375 Traces matière organique et pyrite.
385		100	tr	tr	tr							1	1*	1						Grès anguleux à sub-anguleux Niveau lég. conglomératique.
390		tr	tr	90	10															Litho. 3 gris brun, gréseux, micromicacé.
395		tr	95		5						1									Litho. 2 légèrement gréseux, micromicacé, traces matière organique.
400			100		tr															Siltstone gris moyen, loc. verdâtre, homogène, lég. loc. gréseux, micromicacé.
405			60	40	tr															Litho. 4-Shale-silts, brun rouge, micromicacé, légères traces matière organique.
410		5	70/75	15/20	5						1	1*								
415		5/10	85/90	5	tr						1									
420		100			tr						1*	1								Niveau friable
425		100									1	1*								Traces matière organique, friable.
430		100									1	1								IDEM Friable.
435		70	25		5						1	1*								
440		80	20		tr						1	1*								
445		100	tr								1	1*	1	1	1					
450		95	tr	5	tr							1*	1	1			L			

SOQUIP

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Date / /

Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

PROFONDEUR	Calcimetrie Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 1	2	3	4	5				GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
455		75	5	10	10					1	1	1*								Niveau moins friable.
460		65	20		15					1	1*	1		1*	1					Traces matière organique
465		70	Localement gréseux 25*		5						1	1*								Traces matière organique
470		100									1	1*			1					Traces matière organique
475		100									1	1*	1							Grès gris vert Traces matière organique
480		100	tr								1	1*								
485		50	30		20					1	1*									Grès gris moyen verdâtre, sub-ang. - sub-arr., argileux.
490		95	5		tr						1	1*	1							Gr. friable
495		100	tr		tr							1*	1							IDEM 480
500		100									1	1*	1							Friable Traces matière organique
505		100	tr								1	1*		1			L			Grès gris clair-moyen-verdâtre, argileux, sub-ang.. Traces matière organique et pyrite.
510		95	5								1	1*	1	1						Grès anguleux à sub-anguleux IDEM 505
515		100	tr								1	1*								
520		90	tr		10					1	1*	1		1						Siltstone: 2, toujours micacé.
525		90	tr		10															IDEM 520

SOQUIP

Page -7-

Date / /

Geologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 1	2	3	4	5				GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
530		100									1	1*	1	1			L			Grès gris clair verdâtre, sub-anguleux, argileux, friable.
535		100	tr								1	1								Traces gros micas.
540		100									1	1*	1							IDEM 530 m Traces pyrite.
545		95			5					1	1	1								
550		95			5					1	1*	1								
555		95	5								1	1*	1							IDEM 540
560		100	tr								1	1*	1							IDEM
565		90	10							R	1 R	1*	1		R	R	R			Légère quartzite, grains très fins, siliceux.
570		100	tr									1	1*	1 -	cgl.					Niveau quartzeux.
575		70	30								1	1*	1							Grès sub-anguleux à sub-arr. Lithologie 2: légèrement quartzeux.
580		90	10								1	1								Traces matière organique.
585		85	10		5					1	1*	1								
590		5	45		40					4	1	1								Siltstone gris moyen, gréseux, passe à un grès argileux, très fin.
595		40	50		10						1*	1								IDEM 590 m
600		100									1	1*		1	1					Niveau friable. Grès IDEM.

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	1	2	3	4	5				GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
605		100	tr								1	1*		1	1					
610		100									1	1*	1	1						
615		100										1	1*							
620		95	5									1*	1							
625		85	5		10						1	1*								Baisse marquée des feldspaths rose-orange.
630	*	*Lithologie proche du York River. 90	tr		10					1	1*			1						Gris moyen-clair. Traces pyrite; matière organique IDEM 625.
635		70	5		25					1	1*	1		1						Grès gris moyen verdâtre/brunâtre, argileux, type YR. Tr. matière organique et pyrite.
640		5	5		90					1*	1			1						Siltstone-grès gris moyen, lég. micacé. Tr. pyrite et M.O.
645*		Grès gris moyen, lég. brunâtre et/ou verdâtre. 60	15		35					1	1*	1		1						Niveau plus gréseux; la distinction entre 4 et 1 devient plus diff. Présence pyr et M.O.
650		85	10		5					1	1*	1		1						Matière organique soit laminée ou disséminée dans grès. ~~Un peu lithique, rare π orangés~~
655		95	5		tr						1	1*	1	1						Type plus Battery Point. Plus de lithique et feldspaths roses
660		75	10		15					1	1*	1								Type York River, gros morceau pyrite, présence M.O. Traces glauconie.
665		85	5		10					1	1*	1								1 gr. calc. mudstone brun foncé?
670		70	5		25					1	1*						L 1			Traces microquartzite blanche.
675		100	tr		tr	Type Battery Point					1	1*	1							Grès B.P. friable. IDEM 605.

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Géologue RICHARD THEOUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 1	2	3	4	5				GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
680		100									1	1*		1	1		L			IDEM 675
685		100									1	1*								Traces matière organique.
690		95	5							1	1*	1		1						Niveau type Battery Point et York River.
695		25	10		65					1	1			1						Niveau siltstone - grès gris moyen. Traces plus pyrite et matière organique.
700		60	10		30					1*	1*			1						
705		90	10							1				1						Niveau friable. Traces plus pyrite et matière organique.
710		5	95																	Siltstone gris moyen, gréseux légèrement micacé passant à un grès.
715		5	95																	
720		100	tr								1	1*	1	1						Type Battery Point.
725		70	30								1	1*								Type Battery Point.
730		50	5	5		40					1	1		1						Niveau rougeâtre (oxydé).
735		100	tr								1	1*								
740		100										1*	1							Niveau quartzeux. Type Battery Point.
745		100										1*	1	1						Type Battery Point.
750		100									1	1*	1	1						IDEM

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	1	2	3	4	5	6			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
755		100									1	1*		1	1		1			Grès gris clair vert, quartzo feldspathique.
760		70	30									1		1			1			Grès lithique, argileux.
765		100	tr							1	1*	1								IDEM 760 Type Battery Point.
770		100	tr		tr						1*	1		1						Feldspaths roses absents. Type York River.
775		100									1*	1								Grès quartzo feldspathique (Battery Point).
780		100									1	1*		1*			L			Type Battery Point.
785		100	tr/5		SS sub-arr/sub-ang. Traces pyrite/M.O. Peu de ciment.							1			1		1			Silts. gris clair-moyen et silts vert pâle.Tr/5 orange et kaolin.
790		95/100	tr/5								1	1*			1		1			5% vert tr/5 orange. IDEM Traces pyrite et M.O.
795		95/100	tr/5		Un peu plus argileux.							1		1			1			IDEM, un peu plus de ciment, légèrement brunâtre.
800		95/100	tr/5		Avec ciment.Traces M.O. et pyrite.						1	1		1			1			Brun-verdâtre. Tr/5% orange; 30% vert
805		100	tr		Moins cimenté. Traces pyrite.						1	1			1		1			IDEM plutôt verdâtre 20% vert.
810		85	15								1	1		1			1			SS IDEM
Type BP et YR. 815		65	30	5	Très peu d'orangé.						1	1*	1	1			1			30% siltstone gris moyen et 5% gris vert.
YR. 820		95	5		Très peu de ciment incolore						1	1*								Niveau quartzitique. 10% vert; tr. orange.
YR. 825		85	15	tr.	Traces pyrite; peu de ciment.															Tr/5% kaolin.

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	3	4	5	6			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
830		25	25		50	4: Grès très fin, lithique vert.				4	4	1		1	4		1 4			Tr. pyrite et M.O..Pas de grès gris verdâtre; d'orange 2: siltstone gris moyen.
835		10	45		45															IDEM 830. Propre. Pas de gr. orangés.Tr. pyrite et M.O.
840	0 / 0	15	55		30						1	1		1			1			Plus argileux,lithique= No 1. Tr. pyrite et M.O.Très peu orangé.
845		20	40		40															Vert. 4, très fin,plus ou moins propre.Tr. M.O. et pyr.Pas d'orangé.
850	0 / 0	60	40			No. 2 passe au No. 4.				1	1				1		1			Gris vert, lithique.Tr. M.O. Très peu d'orangés.
855		60	40																	Traces micas.Traces pyrite et matière organique.
860		85	15			Grains souvent détachés, grains noirs, durs.				1	1	1			1		1			10% plus fragments lithiques rouges.Grès plus gros, plus clair. Micas.
865		100	tr			Grains moyens, sub-arr. et sub-agn. 15-20% noirs				1		1		1	1		1			Grains détachés, 1/3 sont de teinte orangée,lithique.Tr. micas.
870		95/100	tr/5							1		1		1	1		1			Siltstone gris clair-moyen. SS multi coloré. Pyrite.
875		95/100	tr/5			Pyrite et matière organique.				1		1			1		1			SS gris clair,détachés. 5% orangé max.
880	0 / 5	95	tr/5							1		1		1	1		1	1		Léger. calcaro-dolomitique. IDEM Pyrite et matière organique.
885		100	tr									1		1			1			Gris clair-vert. Traces pyrite et matière organique.
890		85	15			Traces orangées, lithiques.					1	1								Gris clair-vert. Traces pyrite et matière organique, argileux.
895	0 / 2	95	5			Léger Mg.					1	1		1			1	1		IDEM Moins argileux.
[illegible]	0 / [illegible]	95	5			Traces orangées					1	1		1			1	1		IDEM

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Geologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	3	4	5	6			GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
905		95	5								1	1		1			1		1	Léger. mg. IDEM
Type YR 910		60	40*			Localement gréseux. Faibles traces de grains orangés.					1	1		1			1			Gris verdâtre, argileux, Traces m.o. et pyrite.
915		60	40			Légèrement friable.					1	1		1			1			IDEM
920	0 / 0	80	20								1	1		1			1			IDEM, lithique
925	0 / 1	95	5			D'aspect plus massif					1	1		1	1		1			Gris-vert et multicoloré, micas, matière organique, gr. groupés, lithiques.
Type YR 930		60	15		25					1	1*	1								Pyrite et matière organique.
935		15	40		45					1	1*	1		1			1			Traces pyrite, matière organique ou grains de roches.
940		60	15		25					1	1*	1		1			1			Très peu d'orangés. IDEM
945		90			10															Siltstone passe au grès.
950		75	10		15															Quelques grains rouges. Traces Kaolin?
955		50	tr		50															Siltstone devient grès argileux très fin à fin.
960	0 / 1	60	tr		40															
965		70	5		25															Pyrite et matière organique.
970		80	10		10															
Type YR 975		80	5		15															

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Geologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	3	4	5	6			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
975																				
980	0 / 2	75	5		20						1	1		1			1			
985		100									1	1		1						Traces kaolinite, matière organique, pyrite.
990		100/95	tr		tr/5						1	1		1			1			Traces matière organique.
995		95	tr		5						1	1		1			1			
1000		90	tr		10						1	1		1			1			
1005		85	5		10						1	1		1			1			
1010	0 / 1	95	tr		5						1	1		1			1			
1015		90			10						1	1		1			1			
1020	0 / 1	90			10					1	1				1		1			
1025		100									1	1*		1			1			
1030		100	tr								1*	1		1			1			Grès gris clair, sub-anguleux quartzeux.
1035		95	5								1*	1		1			1			
1040	0 / 2	95	5								1*	1	1	1						Grès gris clair, sub-arr., quartzeux peu de lithiques.
1045		100	tr								1	1*		1			1			

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	3	4	5	6			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
1050	0 / 0	5	5		90															
1055		75	25							1	1*			1	1		1			
1060	0 / 4	95	5							1	1				1		1			
1065		90	10		tr					1	1*				1		1			Grès gris clair, légèrement vert.
1070	0 / 1	90	10		tr															
1075		100	tr							1	1			1			1			Traces matière organique et pyrite.
1080	0 / 2	100	tr							1	1*	1		1			1			
1085		100	tr							1	1*	1			1		1			La lithologie 6 = 1 lorsque absence de lithique.
1090	0 / 0	70*	10*		tr		20*				6 1	6* 1*		1	6		6			
1095		95*	5*							1	1*	1		1						Siltstone argileux.
1100	0 / 1	90/95	5/10								1	1*		1						
1105		80	15				5				1	1*								
1110	0 / 2	90	10								1*	1		1						
1115		70	30								1*									
1120	0 / 1	60	40				tr				1	*1		1						

*Gréseux, micromicacé, gris moyen.

Localement gréseux Sub-arrondi

Matière organique

*Localement très gréseux

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	6	7	8	9			GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
1125	0 / 4	30	70							1	1									
1130	0 / 7	15	85							1	1			1					2	*Micacé, gréseux passe à un grès localement légèrement dolomitique
1135	5 / 9		85	15						6*	6				6		6	2	2	Lithologie 2: brun moyen.
1140	14 / 5	15	85							6 / 1	6 / 1	tr			6 / 1		6 / 1	2		*Légèrement gréseux, tr. micas et tr. M.O. Tr. sulfure. Tr. glauconie(litho. 6 ou 1), M.O.(litho 1)autour des gr. dont 1 cutting avec tr. huileuse
1145	23 / 7	5	90			tr/5	5			1	1				1		1	2		Tr. glauconie (lithologie 1).
1150	38 / 6	5/10	5			75/80	10													Wackestone à spicules - lithologie 8.
1155	44 / 14	tr		tr	tr	65	30													(Wackestone à spicules - lithologie 8) (Présence de spicules (lithologie 9).
1160	54 / 17	tr			5	70	25													Tr. (lithologie 6) Tr. glauconie (lithologie 1).
1165	60 / 8				tr	65	35													(Wackestone à spicules - lithologie 8).
1170	60 / 5				tr	60	40													Traces M.O.(Wackestone à spicules - litho 8) Tr. calcite.
1175	48 / 8				tr	70	30													Tr. = M.O. siliceux 15%(lithologie 8)(Wackestone à spicules - litho. 8).
1180	46 / 8	tr			tr	75	25													(Wackestone dense à spicules-litho 8)siliceux,retombées de Battery Point 2%
1185	44 / 7	tr				80	20													(Wackestone à spicules -litho 8)siliceux,retombées en tr. de Battery Point.
1190	47 / 6				tr	75	25													(Wackestone à spicules - litho 8) siliceux 15%.
1195	42 / 6				tr	75	25													Wackestone à spicules-litho 8 siliceux 15% (litho 8) loc.lég. silteux (litho. 8).

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Géologue RICHARD THEROUX

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	1	2	6	7	8	9	10	11	GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
1200	43 / 7				tr	75	25													(Wackestone à spicules-litho8) (Siliceux 15-20% - litho. 8)
1205	44 / 6				tr	75	25			Quelques très rares taches d'huile, maturité brun foncé rougeâtre, fluorescence jaune très pâle.										" "
1210	46 / 6				tr	75	25													" "
1215	48 / 5				tr	75	25													" "
1220	52 / 8				tr	75	25													(Wackestone à spicules-litho 8) (moins siliceux 10% - litho. 8)
1225	54 / 10				tr	75	25													" "
1230	52 / 8				tr	80	20													" "
1235	48 / 7				tr	75	25						IDEM							Tr. de calcite (wackestone à spicules) Tr. sulfure, quelques rares grains de glauconie.
1240	50 / 7					60	40													Tr. sulfure (wackestone à spicules) quelques rares grains de glauconie.
1245	49 / 6					60	40													Quelques rares grains de glauconie (wackestone à spicules).
1250	45 / 7					75	25													Pas mal siliceux (30%) (Wackestone à spicules).
1255	54 / 5					75	25													Tr. calcite blanche (wackestone à spicules).
1260	40 / 7				tr	85	15						IDEM							Tr. plus chert gris clair bleuté à brunâtre ±translucide (Wackestone à spicules).
1265	51 / 5					80/85	10/15	5												Tr. à présence de glauconie. Présence d'ostracodes (wackestone à spicules).
1270	29 / 5						tr	tr/5%	95											Tr. à présence de glauconie, présence d'ostracodes.

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Géologue G. LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N No 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 7	8	9	10	11	12	13	GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
1275	15 / 7			10		90													Quelques ostracodes
1280	16 / 6			10/15		85/90			Rares taches d'huile à faible maturité Fluorescence jaune très pâle.										Quelques ostracodes
1285	21 / 7			10		90													Rares ostracodes. Tr chert? gris clair bleuté à brunâtre
1290	22 / 7			10		90													Plus ou moins siliceux
1295	12 / 7			10		90													Plus ou moins siliceux
1300	12 / 7			10		90													Plus ou moins siliceux
1305	14 / 6			10/15		85/90													1 Cutting: gris vert pâle (bentonite?)ou vient du York River.
1310	10 / 6			5/10		95/90													" "
1315	13 / 4			*Semble ±recristallisé 15		85													Très siliceux à cherteux, spicules, 1 grain de glauconie dans 8.
1320	8 / 5			5		95													Trace de chert, gris clair bleuté, trace de spicules.
1325	12 / 4		tr/5			90	5												Trace de spicules. Litho 11, pas mal argileux (mudstone).
1330	16 / 7	tr				85	15												
1335	27 / 8					90	10												
1340	18 / 7					95	tr/5												Plus ou moins argileux, silt/ mudstone?
1345	30 / 6			10		85	5												Plus ou moins argileux, silt/ mudstone?

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	7	8	9	10	11	12	13	GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
1350	19 / 10			10		90	tr												Siltstone/mudstone
1355	17 / 7			10		90	tr												
1360	22 / 8			10/15		80/85	tr												Trace de spicules
1365	23 / 9			10		80/85	5												Tr. de calcite - fluorescence jaune (porosité de fracture) Mudstone/siltstone.
1370	20 / 12			10		85	5												Tr. de retaille très siliceuse à cherteuse. Trace de spicules.
1375	44 / 11		80	20			tr												Trace de calcite blanche. Trace de spicules.
1380	66 / 4	tr	45	40				15											Présence de spicules dans (8) ± argileux.
1385	46 / 9	tr	30	50			5	15											Tr. de chert dans litho. 8. Abondance de spicules dans 8.
1390	30 / 16	tr	70	30				tr											5% ds la litho 8 de porcelanite (chert gris clair bleuté).
1395	28 / 14		75	25															(8) très siliceux - 10/15% de chert gris clair leuté.
1400	32 / 9		70	30															(8) très siliceux et 5/10% chert gris clair bleuté à brunâtre.Tr.spicules ds 8.
1405	40 / 12		80	20															Tr.= ostracodes.Tr. spicules. Tr. bitume noir dans 8, siliceux.
1410	50 / 12		70	30															Tr. bitume dans 8.Présence de spicules ± siliceuses.
1415	46 / 12		80	20															Tr. de spicules. Plus ou moins siliceux.
1420	46 / 11		60	40															Tr. de calcite blanche et translucide.Siliceux à très siliceux.

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 7	8	9	10	11	12	13		GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
1425	43 / 6		70	30																Tr/5% calcite blanche.Présence spicules siliceuses.
1430	33 / 7		60/65	35/40																Très siliceuse.Tr. calcite. Présence spicules.
1435	33 / 6		60	40																Très siliceux. Présence de spicules.
1440	35 / 5		60	40																Siliceux.Tr. spicules légèrement dolomitiques.
1445	40 / 5		65	35																Tr. siltstone gris moyen.
1450	39 / 6		65	35																Gris moyen, légèrement brunâtre.
1455	36 / 13		70	30																Gris moyen dolomitique
1460	36 / 10		70	30																Gris moyen, légèrement brunâtre.
1465	39 / 10		70	30																Traces pyrite.
1470	40 / 14		75/70	25/30																
1475	36 / 20		80	20		Tr. taches d'huile														(8) brunâtre, argileux.Tr. calcite.Tr. spicules.
1480	42 / 17		75	25																Gris brunâtre clair à moyen, silteux.
1485	40 / 14		70	30																(8) argileux-silteux, brun moyen à foncé.
1490	46 / 15		80	20																
1495	49 / 17		80	20																

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Géologue G.LACHAMBRE/C.DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	7	8	9	10	11	12	13		GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
1500	46 / 18		70	30																Silteux, friable.
1505	48 / 13		60	40	Petites retailles															Silteux, friable.
1510	43 / 17		85	15																
1515	36 / 18		70	30			tr													Beaucoup de métal oxydé (trépan?)
1520	42 / 17		60	40	Argileux															Tr. spicules. Tr. sulfures.
1525	48 / 20		60	40																
1530	36 / 28		80	20	No. 9 passe à un siltstone Spicules.															Tr. sulfures. Tr. fossiles dans No. 9?
1535	24 / 24		70	30																Gris moyen, argileux, présence de spicules.
1540	14 / 22		70	30	Argileux, spicules															Gris moyen, présence de sulfures.
1545	8 / 20		80	20	Argileux, tr. d'huile? Tr-présence de sulfures															Chert? Fossiles dans No. 9
1550	9 / 18		80	20	Siltstone calcareux. Silteux. Argileux.															Présence de sulfures.
1555	18 / 20		70	30	Fossiles dans No. 9.Présence-abondance de spicules.Chert															Présence de chert? de sulfures.
1560	24 / 16		60	40	calcite, shale dolomie? Présence de sulfures,argileux, silicieux, dolomitique.															Présence-abondance de spicules, argileux.
1565	20 / 22		60	40	Tr. calcite.															(8) gris brun, moyen-foncé. Présence de pyrite,spicules.
1570	20 / 21		70	30																IDEM, spicules etc...Tr. - présence de pyrite.

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Géologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BATE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 7	8	9	10	11	12	13	14	GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
1575	12 / 18		85	15			Spicules, siliceux													Silteux, cherteux, argileux, gris brunâtre foncé, dol., pyrite.
1580	34 / 8		80	20			Brun pâle à moyen													5% shale ou silts., argileux gris foncé.
1585	26 / 6		80	20																Cherteux, argileux, silteux.
1590	26 / 11		70	20					10											IDEM
1595	8 / 24			25			Calcaire très silteux.		75											Siltstone calcareux, argileux.
1600	0 / 31		tr	30			30% brun pâle-beige, dolomitique 70% gris moyen brunâtre		70											Siltstone dolomitique argileux. Traces sulfures.
1605	0 / 27			30					70											
1610	0 / 27			15					85											
1615	0 / 29			15					85											
1620	0 / 20			10					90											Traces sulfures.
1625	0 / 24			10/15					80/85											Traces bitume noir.
1630	6 / 26			20					80											Traces bitume noir.
1635	6 / 21			20					80											Traces bitume.
1640	0 / 24			10/15					80/85											Traces bitume ou oil stain.
1645	0 / 22			15					85											

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Géologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI			CIMENT			REMARQUES
		8	9	10	11	12	13	14	15 a b	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE	DOLOMIE	
1650	0 / 19		10					90												
1655	0 / 16		10					90												Légèrement micromicacé.
1660	8 / 16	tr	10					80	10 a											Tr. calcaire argileux brun moyen.Tr. grès très fin gris très clair.Tr. sulfures.
1665	8 / 18	tr	15					60	25 a											
1670	0 / 27	tr/5	15					50	30											Traces sulfure.
1675	16 / 20	25	20					20	35											Tr. sulfure, calc. très silteux, rares spicules?
1680	28 / 20	40	25					5	30											Très silteux (calcaire).
1685	9 / 18	30	10						60											
1690	0 / 15	5							15 b 80 a											Tr. retailles blanches, friables.
1695	0 / 10		tr						55 b 45 a											Traces sulfures.
1700	0 / 9		tr						40 b 60 a											
1705	0 / 10		5						25 b 70 a											
1710	0 / 13		5						30 b 65 a											
1715	0 / 10								25 b 75 a											
1720	2 / 7		5						20/25 b 70/75 a											Traces sulfures (pyrite)

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Geologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BATE DE GASPE-NORD NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 8	9	10	11	12	13	14	15 a / b	GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
1725	4 / 9		5						10 b 85 a											
1730	2 / 9		5/10						5 b 90 a											
1735	7 / 6	tr	5/10						5 b 90 a											Calcarénite silteuse, argileuse.
1740	8 / 5	tr	5						tr b 90 a											Trace grès très fin gris clair verdâtre
1745	17 / 7	35	5/10						60 a											Calcarénite silteuse-argileuse
1750	19 / 8	40	5/10						55 a											Calcarénite silteuse-argileuse
1755	7 / 7	5/10	10						20 b 65 a											Calcarénite silteuse-argileuse.
1760	0 / 7		5						30 b 65 a											
1765	0 / 7		10						5 b 85 a											
1770	2 / 7		5/10						90/95a											Siltstone souvent gris clair
1775	1 / 7		10						80 a 5/10 b											Siltstone souvent gris clair
1780	0 / 7		5/10						15 b 90 a											
1785	5 / 7		15						85 a											
1790	8 / 10		20						80 a											Siltstone surtout gris clair légèrement calcareux.
1795	4 / 9		15						5 b 80 a											

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Geologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-NORD NO

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie Dolometrie	9	10	14	15	16	17	8	18	GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
1800		15			5/10b 75/80a															
1805		15			5 b 80 a															
1810		15			5 b 80 a															Tr.silt.gris très foncé;une partie gris clair.Tr.shale g.moy.;lcutting de calcarénite plus glauconie.
1815		10			30 b 60 a															Tr. siltstone gris très foncé
1820		10			35/40b 55 a															Trace shale gris moyen
1825		5/10			40 b 50/55a	Shale														Trace shale gris moyen.Tr. silts. argileux gris très foncé. Trace pyrite.
1830		10			30 b 55 a	5	Silt. Calc.													Traces ostracodes et rares crinoïdes.
1835		10			20 a	50	20													Tr. silts. gris rougeâtre. Tr. sulfures.Tr. calcaire argileux brun pâle.
1840		10	tr		10 b 30 a	15	30	5												Tr. wackestone à crinoïdes et présence de glauconie et tr. de fossiles (ostracodes).
1845		5/10			5/10b 65 a	5	5/10		Tr/5											Tr/5% calcite blanche et translucide.Tr. pyrite. Tr. calcaire argileux-silteux.
1850		5			75 a	5	5		5											Silts. gris très clair à clair surtout. 5% calcite blanche.
1855																				
1860																				
1865																				
1870																				

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Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	8	9	10	15	16	17	18 a	18 c	GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
1875	7 / 9		10		90		tr													Trace calcite ou crinoïdes
1880	22 / 10	5	15	5	30		45													10: Wackestone à crinoïdes silteux.
1885	25 / 10	tr	10		5		85													17: Contient rares crinoïdes
1890	13 / 16		10	tr			90													
1895	13 / 14		5/10				90/95													17: Rares crinoïdes et fragments de fossiles.
1900	15 / 9		5	tr			95													17: Rares crinoïdes, rares ostracodes
1905	19 / 9		5	tr			95													5% Retombées de 15a
1910	21 / 11		5	tr/5			90													17: Rares crinoïdes et fragments de fossiles.
1915	26 / 11		5	tr			95													17: Rares crinoïdes.
1920	39 / 4		tr	25/30			60	10/15	tr											17: Rares ostracodes; 10: crinoïdes et strom.;18: matrice; grès f à m; part. quartz;tr
1925	42 / 1			35			25	30	10		18 a	18 a	18 a	18 a						17: Rares crinoïdes sulfures 18: Matrice grès f à m; part. quartz
1930	48 / 1			40				50	10		18 a	18 a	18 a	18 a						10: 10% conglomératique; 18: matrice: grès f à m. part. quartz-crinoïdes
1935	49 / 0			40				50	10		18 a	18 a	18 a	18 a						10: " " 18: IDEM, sauf plus de crinoïdes.
1940	35 / 0			35				60	5		18 a	18 a		18 a						10: 10% conglomératique.Tr. sulfures ds 18.
1945	16 / 0			15				80	5			18 a	18 a	18 a						18: grès m-grossier à quartz Particules de quartz.

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Géologue gaétan lachambre

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	8	9	10	15	16	17	18 a	18 c	GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
1950	1 / 0			Traces	de crinoïdes			90	10		18 a	18 a *	18 a	18 a *						Présence de quartz Traces sulfures.
1955	0 / 0			Tr. crin.	tr/5			75	20		1*	1*		1*						"
1960	2 / 0			Tr. crin.	5			75	20		1*	1		1*						"
1965	0 / 0		5					80	15		1*	1		1*						"
1970	0 / 0		5					80	15		1*	1		1*						"
1975	0 / 0		10					70	20											"
1980	0 / 0		10					80	10											"
1985	0 / 0		5/10					80	15		1*	1*		1*						"
1990	0 / 0		5					90	5		1*	1*	1	1*						"
1995	0 / 0		10					80/85	5/10		1*	1*	1	1*						"
2000	0 / 0		5/10					85	5/10		1*	1*	1	1*						"
2005	0 / 0		10					80/85	5/10		1*	1*	1	1*						"
2010	0 / 0		10					80/85			1*	1*		1*						"
2015	0 / 0		10					90			1*	1*		1*						"
2020	0 / 0		10					85	5		* 1	1		* 1						"

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	8	9	10	15	16	17	18 a	18 c	GRANULO TRES-FIN	GRANULO FIN	GRANULO MOYEN	GRANULO GROSSIER	TRI MAUVAIS	TRI MOYEN	TRI BON	CIMENT SILICE	CIMENT CALCITE	CIMENT DOLOMIE	REMARQUES
2025	0 / 0		10					85	5	18 a*	18 a*		18 a*							Présence de quartz Traces de sulfures
2030	0 / 0		5					85/90	5/10		1*	1	1							"
2035	0 / 0		10					80	10		1*	1	1							"
2040	0 / 0		10					80	10		1*	1	1							"
2045	0 / 0		10/15					80/85	5		1*	1	1							"
2050	0 / 0		15					80	5		1*	1	1							"
2055	0 / 0		5/10					75/80	15		1*	1	1							"
2060	0 / 0		10					90	tr		1*	1	1							"
2065	0 / 0		5/10					90/95	tr		1*	1	1							"
2070	1 / 0		5/10					90/95	tr		1*	1	1							"
2075	0 / 0		10					90	tr		1*	1	1							"
2080	0 / 0		5/10					75/80	10/15		1*	1	1							"
2085	0 / 0		5					80	5		1*	1	1							"
2090	0 / 0		5					80	15		18 b 1*	1	1							"
2095	0 / 0		5					15/20	25			1	1							"

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI			CIMENT			REMARQUES
		9	10	15	16	17	18 a	18 b	18 c	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE	DOLOMIE	
2100	0 / 0	5					10	65	20		1*	1*		1						Présence de quartz - Trace de sulfures.
2105	0 / 0	5					15/20	50	25		1*	1*		1						" "
2110	0 / 0	5					55	25	15	1*		1		1						" "
2115	0 / 0	tr/5					75	5/10	10/15		1*	1		1						" "
2120	0 / 0	5					65/70	10/15	15		1*	1		1						" "
2125	0 / 0	15					80		5		1	1*		1						" "
2130	0 / 0	15					75/80		5/10		1*	1*		1						" "
2135	0 / 0	10/15					70	10/15	5		1*	1*		1						" "
2140	0 / 0	5/10					75/80		10		1	1*		1						" "
2145	0 / 0	10					65/70		25/30		1*	1*		1						" "
2150	0 / 0	5					55	15	30		1*	1		1						" "
2155	0 / 0	5					65		30		1*	1		1						" "
2160	0 / 0	10/15					80/85		5		1*	1*		1						" "
2165	0 / 0	5					90	tr	tr/5			1*		1						" "
2170	0 / 0	10/15					80/85	tr	tr		1*	1*		1						" "

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Geologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

PROFONDEUR	Calcimetrie / Dolometrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI			CIMENT			REMARQUES
		9	10	15	16	17	18 a	18 b	18 c	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE	DOLOMIE	
2175	0 / 0	5					55	15	25	1*	1*	1		1						Présence de quartz Traces de sulfures
2180	0 / 0	5					70	20	5	1*	1*	1		1						" "
2185	0 / 0	5/10					70/75	10	10	1*	1*			1						" "
2190	0 / 0	5/10					50	25/30	15	1*	1*			1						" "
2195	0 / 0	10					40	40	10	1*	1*			1						" "
2200	0 / 0	5/10					70	15	5/10	1*	1			1						" "
2205	0 / 0	10					70/75	10	5/10		1*	1*	1	1						" "
2210	0 / 1	15					85		tr		1*	1*	1	1						" "
2215	0 / 0	5/10					80/85	5	5	1*	1	1*	1	1						" "
2220	0 / 0	10/15					85/90			1	1*	1*	1	1						" "
2225	0 / 0	10/15					85/90				1	1*	1*	1						" "
2230	0 / 0	5					90/95			1	1	1	1	1						" "
2235	0 / 0	5					90		5		1*	1*		1						" "
2240	0 / 0	10					85		5	1	1*	1*		1						Présence de quartz
2245	0 / 0	5					90		5		1*	1*		1						" "

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18c				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2250	0 / 0	5		85/90		5/10				1*	1*			1						Présence de quartz
2255	0 / 0	10		85		5					1*	1*		1						" "
2260	0 / 0	10		90		tr/5					1*	1*	1	1						" "
2265	0 / 0	5/10		90		tr/5				1	1*	1*		1						" "
2270	0 / 0	10		80		10				1	1*	1*		1						Présence de quartz Trace de sulfures
2275	0 / 0	5/10		80/85		10				1*	1*	1		1						" "
2280	0 / 0	10		85		5					1*	1*		1						" "
2285	0 / 0	5		85		10					1*	1		1						" "
2290	0 / 0	10		85		5					1*	1	1	1						" "
2295	0 / 0	5/10		85/90		5					1*	1*	1	1						" "
2300	0 / 0	5/10		90/95		tr					1*	1*	1*	1						" "
2305	0 / 0	5		95		tr					1*	1*	1*	1						(10-15% quartz) " "
2310	0 / 0	tr		95		5					1*	1*		1						(15% quartz)et jaune verdâtre (60%).Tr. sulfures. Litho 18c contient grains qtz gros
2315	0 / 0	tr/5		95		tr				1	1*	1*		1						5-10% quartz jaune verdâtre (75%) Trace sulfures
2320	0 / 0	5/10		65/20		25					1*	1*								Présence 10% quartz Trace sulfures.

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Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18 c				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2325	0 / 0	15		70		10				1	1*	1*		1*						Présence de quartz (10%) Trace sulfures
2330	0 / 0	10		85		5				1	1*	1*		1*						(15% quartz) " "
2335	0 / 0	5		80/85		10/15				1	1*	1		1*						(10% quartz) " "
2340	0 / 0	5		60		35				1*	1*			1*						(5% quartz) " "
2345	0 / 0	5		60		35				1*										(5% quartz) 18a pouvant passer à la limite siltstone grossier " "
2350	0 / 0	5			20	60				1*				1*						(5-10% quartz) " "
2355	0 / 0	5		20	60	15				1*	1			1*						(<5% quartz) " "
2360	0 / 0	5		5/10	50/55	35				1*				1*						(<5% quartz) " "
2365	0 / 0	40		10	20	30					1*			1*						(rares quartz) " "
2370	0 / 0	15		75/80		5/10					1*	1*		1*						(<5% quartz) " "
2375	0 / 0	5		90		5					1	1*		1*						(5-10% quartz) " "
2380	0 / 0	5/10		85		5/10					1*	1*	1	1*						Tr. et sulfure disséminées (tacheté bleu foncé) 5% ou - qtz (particules grossières)
2385	0 / 0	5		80	5	10				1*	1*	1*	1*	1*						Tr. et sulfures disséminées 5% quartz " "
2390	0 / 0	10		60	25	5				1	1*	1*	1*	1*						Tr. et sulfures disséminées 5% quartz "
2395	0 / 0	5		90	5	tr					1	1*	1	1*						Tr. et sulfures disséminées " "

SOQUIP

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Date / /

Geologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18 c				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2400	0 / 0	5/10		90/95		tr					1	1*	1*	1*						Traces et sulfures disséminées bleu foncé. <5% quartz.
2405	0 / 0	10		90		tr						1*	1*	1*						Traces et sulfures disséminées bleu foncé. <5% gros quartz.
2410	0 / 0	10		70	5	15				1	1*	1		1*						Traces et sulfures disséminées. < 5% quartz.
2415	0 / 0	5/10		45	35/40	10				1*	1*			1*						Traces sulfures disséminées bleu foncé. Traces quartz.
2420	0 / 0	5/10		55/60	30	10				1*	1*	1		1*						Traces sulfures disséminées bleu foncé. Traces quartz.
2425	0 / 0	5/10		45/50	30	15				1	1*	1		1*						Traces sulfures. 5% quartz.
2430	0 / 0	10		60	20	10				1*	1			1*						Traces sulfures dissémimées bleu foncé. < 5% quartz.
2435	0 / 0	10/15		75/80	10	5				1	1*	1		1*						Traces sulfures disséminées bleu foncé. 5% quartz.
2440	0 / 0	5		85	5	tr/5					1*	1*		1*						Traces sulfures disséminées bleu foncé. 5/10 % quartz.
2445	0 / 0	5/10		50	35	5/10					1*	1*		1*						<5% quartz. Traces sulfures.
2450	0 / 0	5		65	20	10					1*	1		1*						Traces sulfures. 5% quartz.
2455	0 / 0	5		80/85	5/10	5					1*	1		1*						Traces quartz. Traces sulfures.
2460	0 / 0	5		70	5	15					1*	1		1*						5% quartz. Traces sulfures.
2465	0 / 0	5/10		70	15	5/10				1	1*	1		1*						Traces quartz. Traces sulfures.
2470	0 / 0	tr/5		70	20	5				1*	1*	1		1*						Traces quartz. Traces sulfures.

SOQUIP

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Date / /

Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18 c				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2475	0 / 0	10		75	5	10				1*	1*	1		1						5% quartz Traces sulfures
2480	0 / 0	5		70	20	tr/5				1*	1			1						5% quartz Traces sulfures.
2485	0 / 0	tr		55	25	20				1*	1			1						Traces quartz Traces sulfures.
2490	0 / 0	5		35	20	40				1*				1						Traces quartz. Traces sulfures.
2495	0 / 0	tr		10	45	45				1*				1						Tr. quartz.Retailles jaune verdâtre, peuvent être des particules.
2500	0 / 0	5		5	40	50				1*				1						Tr. quartz. Certaines retailles 5%, jaune siliceuses verdâtre,peuvent être des part.
2505	0 / 0	5/10		5	45/50	40														Quartz incolore et jaune <5%.Tr. sulfures disséminées. tr. sulfures.
2510	0 / 0	5/10		5	50	40														Quartz (tr.) incolore et jaune.Tr. sulfures disséminées bleu foncé.
2515	0 / 0	5/10		5/10	55/60	25														Quartz incolore et jaune.Tr. sulfures.
2520	0 / 0	10		35	40	15				1	1	1		1						Traces quartz. Tr. sulfures disséminées bleu foncé.
2525	0 / 0			65	15	10														10% écrasé, friable (trépan). Traces sulfures, traces calcite.
2530	0 / 0			65	15	15														5% friable. Traces calcite.
2535	0 / 0			70	10	15														5% friable Traces sulfures.
2540	0 / 0			80	15	5														Traces de grains friables.
2545	0 / 0			70	10	5														10% friable.

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Date / /

Géologue GAETAN LACHAMBRE

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18 c				GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2550	0 / 0			75	15	10														Tr. friables Tr. sulfures
2555	0 / θ			30	35	30	Serpentinisé													5% friable, tr. sulfures.
2560	0 / 0			55	20	15														5-10% friable Tr. calcite, sulfures.
2565	0 / 0			25	60	15														Tr. d'écrasés, friables. Tr. calcite, sulfures.
2570	0 / 0			40	50	10														5% friables,écrasés
2575	0 / 0			80	5	15														Grès fin jaune verdâtre. Tr. sulfures et calcaire.
2580	0 / 1			75	5	20														Calcite.
2585	0 / 0			80	5	15														Sulfures.
2590	0 / 0			75	5	20														Traces sulfures.
2595	0 / 0			50	10	40														Tr. d'écrasés, friables.
2600	0 / 0			15	10	75														Tr. sulfures.
2605	0 / 0			15	5	80														
2610	0 / 0			10	15	75														Tr-5% friables.Tr. calcite. Tr. sulfures.
2615	0 / 0			20	15	65	Moins lustré.													Tr. de particules de quartz. Tr. calcite, sulfures.
2620	0 / 0			30	15	55														Lustré, serpentine visible (fibres).

SOQUIP

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Date / /

Géologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N

PROFONDEUR	Calcimétrie / Dolométrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS 9	10	18 a	18 b	18 c				GRANULO TRES-FIN	FIN	MOYEN	GROSSIER	TRI MAUVAIS	MOYEN	BON	CIMENT SILICE	CALCITE	DOLOMIE	REMARQUES
2625	0 / 0			40	10	45	5% friables													Tr-5% de friables. Tr. calcite, sulfures.
2630	0 / 0			40	15	40	5% friables													Tr. calcite, sulfures et fibres de serpentine.
2635	0 / 1			25	20	50	Moins lustré 5% friables													Tr-5% écrasés, friables, tr. sulfures, tr. calcite.
2640	0 / 0			15	25	55	5% friables													Tr. calcite, sulfures.
2645	0 / 0			20	20	60	5% friables													5% particules de quartz. Tr. sulfures.
2650	0 / 0																			Carottage 5.09 m 2647-2652.09 m.
2655	0 / 0			40	20	20	20% grains écrasés, friables avec 5-10% gris pâle.													Tr. fibres chrysotile. Tr. sulfures . Traces calcite.
2660	0 / 0			20	30	30	15% gris pâle 5% vert friables.													
2665	0 / 0			70	5	20	5% friables													Grès jaune vert et vert foncé chloriteux.
2670	0 / 0			15	tr	80/85	Tr-5% friables													Traces sulfures.
2675	0 / 0			5	10	75/80	5-10% friables, silt.													
2680	0 / 0			tr/5	5	85	Tr-5% friables.													Peu de particules de quartz. Traces de fibres...
2685	0 / 0			20	30	45/50	Tr-5% friables													Pas de particules de quartz. Tr. calcite; tr. sulfures.
2690	4 / 0			5	90/85	5	Tr-5% calcite Tr. friables													Siltstone grossier very moyen chloriteux.
2695	4 / 1			65/70	30	tr	Tr.-5% calcite.													Tr-5% friables. 2625-2695 m. Tr. sulfures.

SOQUIP

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Date / /

Géologue CLAUDE DENIS

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N 1

LITHOLOGIE TYPE
POURCENTAGE ET NUMEROS

PROFONDEUR	Calcimetrie / Dolometrie	9	10	18 a	18 b	18 c	19			GRANULO: TRES-FIN	GRANULO: FIN	GRANULO: MOYEN	GRANULO: GROSSIER	TRI: MAUVAIS	TRI: MOYEN	TRI: BON	CIMENT: SILICE	CIMENT: CALCITE	CIMENT: DOLOMIE	REMARQUES
2700	2 / 1			70	30	tr														
2705	3 / 0			80/85	15	tr														Traces sulfures, calcite.
2710	1 / 1			85	15															Traces sulfures, calcite.
2715	2 / 0			80	20	tr														Traces sulfures, calcite.
2720	0 / 0			25	75/70	tr/5														Traces sulfures, calcite.
2725	0 / 0			15	85	tr														
2730	0 / 0			25	75		tr													
2735	0 / 0			5	15	tr	80													19: 80% siltst. jaune verdâtre fin, ±homogène, quartz.
2740	0 / 0			30	45	tr	25													25% siltst. jaune-vert, fin plus ou moins homogène.
2745	0 / 0			10	85/90	tr	tr													Tr. siltstone jaune-vert comme 2740 mètres.Tr. crysotile.
2750	0 / 0			15	85	tr														Traces friables, écrasés.
2755	0 / 0			15	85		tr													Tr. siltst. jaune-vert, comme 2740 m. Tr. crysotile.
2760	0 / 0			30	70/65	tr														Tr-5% siltstone jaune-vert, très fin comme 2740 mètres.
2765	0 / 0			55	45															Traces calcite.
2770	0 / 0			55	45															Tr. friables, écrasés.

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Géologue Claude Denis

Nom du puits SOQUIP PETROFINA BAIE DE GASPE-N NO 1

V- APPENDICES

4) Description des carottes

CONCORDIA UNIVERSITY

PETROGRAPHIC ANALYSIS OF CORE SAMPLES
FROM SOQUIP-PETROFINA (BAIE DE GASPE
NORD, P.Q.)

Authors : G.P. SASSANO
J.J.JENKINS
L.TAIT

21.08.81

LOYOLA CAMPUS
7141 SHERBROOKE STREET WEST
MONTREAL, QUEBEC H4B 1R6

CONFIDENTIEL

INTRODUCTION

This report gives the results of a detailed study of rock samples from a core obtained by Soquip-Petrofina ,(Baie de Gaspe Nord),P.Q.

It was undertaken in accordance with a mandate from Soquip dated July, 2nd ,1981.

This study is based on Petrographic analysis of 15 thin sections representing the rock types found in the core examined . Note that no chemical analyses of the lithologies present were performed and therefore the description and categorization of the main rock types could be susceptible to some minor changes .

RESULTS

The following rock types have been established by Petrographic analysis:*

Thin section number	Name of rock
2647.30 A -	Amygdaloidal Quartz-Chlorite-Albite(?)-Actinolite-Epidote METABASALT .
2647.30 B -	Amygdaloidal Quartz-Chlorite-Albite-Epidote-Actinolite METABASALT
2647.90 -	Porphyroblastic Albite-Actinolite-Epidote SCHIST ,possibly derived from low-grade metamorphism of a basalt.
2648.20 -	Epidote-Actinolite METABASALT
2648.50 -	Epidote-Actinolite-Albite SCHIST , possibly derived from low-grade metamorphism of a basalt .

*To facilitate the study and interpretation of the rock types present the numbers of the thin sections correspond to the depth of the core .

2648.80	-	Epidote-Actinolite-Albite-Chlorite SCHIST ,possibly derived from low-grade metamorphism of a basalt.
2650.10	-	Actinolite-Chlorite-Epidote-Albite SCHIST ,possibly derived from low-grade metamorphism of a basalt.
2650.30 A	-	Epidote-Chlorite-Actinolite-Albite SCHIST ,possibly derived from low-grade metamorphism of an andesite or a basalt
2650.30 B	-	Epidote-Actinolite-Chlorite-Albite SCHIST ,possibly derived from low-grade metamorphism of a basalt
2650.80	-	Epidote-Chlorite-Actinolite-Albite SCHIST,possibly derived from low-grade metamorphism of a basalt .
2650.90	-	Porphyroblastic Quartz-Chlorite-Albite-Actinolite-Epidote METABASALT
2651.00	-	Laminated Porphyroblastic Actinolite-Quartz-Chlorite-Epidote SCHIST
2651.50 A	-	Laminated Porphyroblastic Actinolite-Quartz-Chlorite SCHIST
2651.50 B	-	Laminated Porphyroblastic Actinolite-Epidote-Quartz-Chlorite SCHIST
2651.90	-	Actinolite-Epidote-Chlorite SCHIST ,possibly derived from low-grade metamorphism of a marl(?) or a basalt . (Laminated)

See Table 1 for details

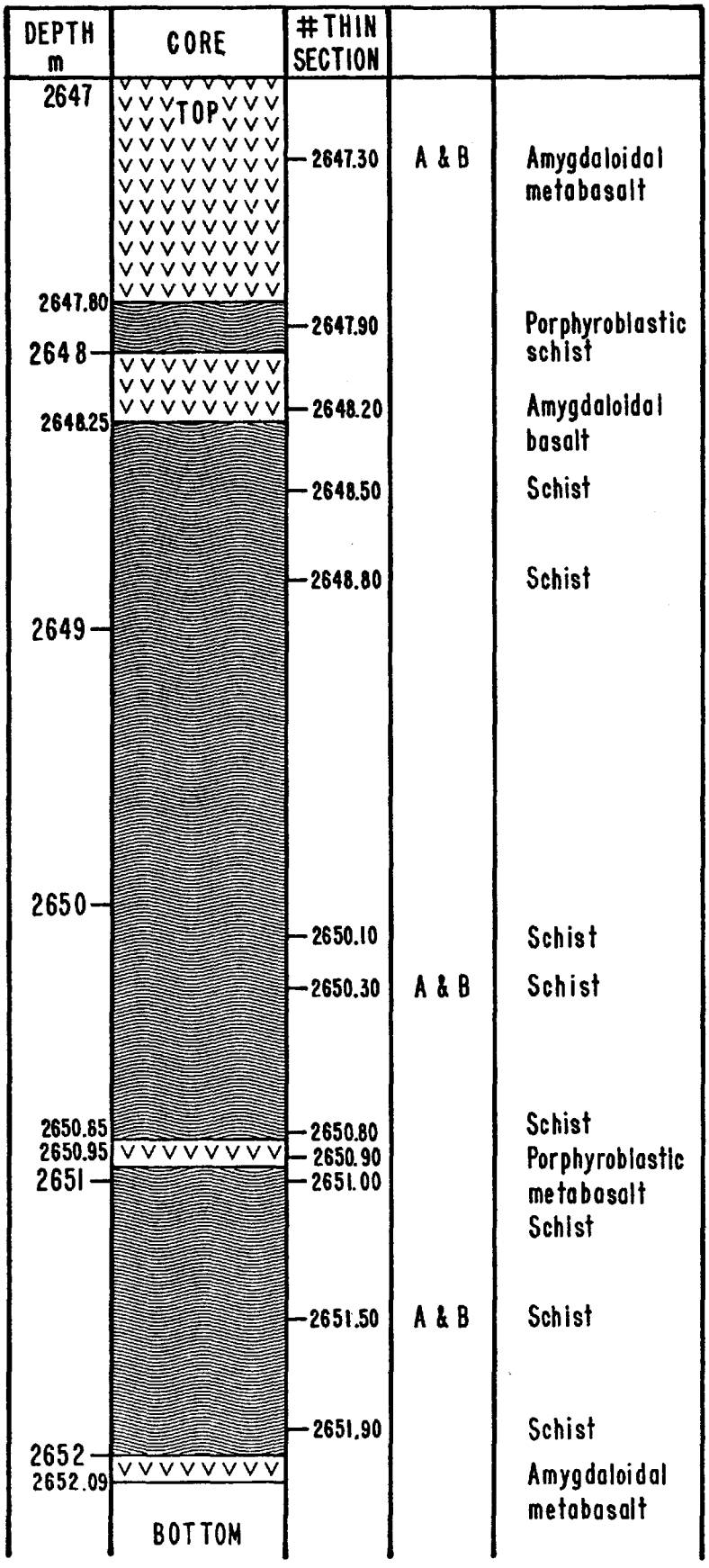


TABLE _ I

SCHEMATIC REPRESENTATION OF CORE LOG

DETAILED PETROGRAPHIC DESCRIPTION OF MOST TYPICAL LITHOLOGIES

THIN SECTION 2647.30 A :

Minerals	%
Matrix	60
Epidote	24
Chlorite	5
Actinolite	18
Quartz	2
Carbonate	1
Albite (?)	7
Fe-Oxides	3
Amygdules	40
Quartz	15
Epidote	20
Carbonate	3
Actinolite	2

FABRIC CHARACTERISTICS :

Holocrystalline , distinctly amygdaloidal with relict amygdules from a diameter of 2.5 mm to 0.9 mm . The matrix is very fine-grained , with average grain size of 0.2 mm , ranging from 0.05 mm to 0.6 mm . The matrix shows no signs of preferred orientation of crystals . The amygdules are relatively undistorted, circular suggesting no angularity or presence of fragments.

Very fine grained Quartz veinlet cuts across rock and displaces the carbonate grains which constitute an early generation of filling . The veinlet is 0.6mm to 1.0 mm wide . No indication of stress in rock examined . The absence of any preferred orientation suggests thermal metamorphism of the Albite-Epidote Hornfels Facies .

Albite : Low negative relief ; suggestion of cleavage not clear ; usually very fine-grained and interstitial; some polysynthetic twinning on some grains. 1degree grey-white interference colour . No interference figures possible .

Epidote : Colourless to yellow pleochroism , 2degree blue-green interference colour ; medium to high positive relief ; one cleavage , biaxial negative , 2V about 75 to 80 degrees .

Chlorite : Green to colourless pleochroism , low positive relief , low birefringence ; 1degree grey (platy sections) as well as sheaves of grains with 1degree grey-white interference colour .

Quartz : Low positive relief , colourless , non pleochroic , uniaxial negative ; 1degree grey-white interference colour , inclusion of actinolite needles , no alteration

Actinolite : long prismatic fibers slightly green to colourless pleochroism. Slightly oblique (10 degree) extinction . 2degree blue to green interference colour . No amphibole cleavage . High positive relief .

Carbonate ; present in veinlets or elengated single grains , fragmented and invaded by quartz . Also in amygdules and in matrix .

Amygdules : containing quartz , epidote , minor carbonate , with quartz and carbonate at the periphery followed by central grains of epidote . Some flakes of actinolite .

ROCK NAME : QUARTZ-CHLORITE-ALBITE(?)-ACTINOLITE-EPIDOTE METABASALT (Amygdaloidal)

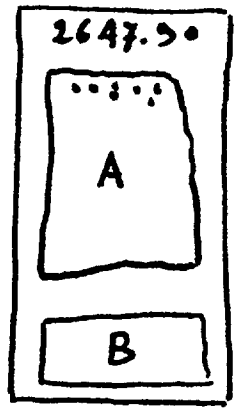
THIN SECTION 2647.30 B :

As thin section 2647.30 A with minor changes in mineral percentages .

THIN SECTION 2647.90 .

General : this thin section consists of two parts showing quite different orientation (see sketch) . Part A is cut parallel to planar structure and shows little preferred orientation ; part B shows distinct preferred orientation with strong alignment of actinolite crystals . Albite porphyroblasts cut across mineral foliation at angles up to 35 degrees .

Minerals	%	
	A	B
Matrix	90	95
Epidote	48	5
Actinolite	40	60
Opaques	2	10
Albite	-	10
Porphyrob.Albite	-	5
Amygdules (relict)	10	-
Quartz	5	-
Epidote	3	-
Chlorite	2	-
Carbonate veinlet	-	1



FABRIC CHARACTERISTICS :

A-Very fine grained felted intergrowth of actinolite in a mesostasis of epidote grains . Relict amygdules consist of polygranular circular patches from 1.75 mm to 0.7 mm in diameter ; they are filled with quartz , chlorite or quartz cores with epidote rims . Average grain size is 0.1 mm to 0.2 mm ; equigranular .

B- Essentially equigranular with strongly developed mineral foliation. Average length of actinolite prisms 0.4 mm . Slightly porphyroblastic with albite porphyroblasts up to 0.5 mm long and 0.2 mm wide . Carbonate veinlets follow

the entire section B parallel to the foliation .

Albite : low negative relief . Colourless and non pleochroic . 1degree grey-white interference colour . Some grains show simple twinning and few show indistinct polysynthetic twinning .Albite grains form porphyroblasts up to 0.5 mm which are seen only in section B . No definite identification of Albite made in section A . Albite also present in matrix in section B .
Epidote : slightly pleochroic in optic normal sections ; yellow to colourless. Indistinct cleavage . Biaxial negative with 2V about 80 to 85 degrees. Often occurs as distinct polygranular rims on chlorite aggregates .
Chlorite : low to very low interference colours ; grey to Berlin blue showing in some patches . Green to colourless pleochroism . It forms coherent patches in amygdules ; also rimmed by epidote ; usually restricted to amygdules .
Quartz : uniaxial positive , 1degree grey interference colour , low positive relief . Found only in amygdules . Grains appear recrystallized or strained with undulous extinction and gradational indistinct boundaries .
Actinolite : slightly green to colourless pleochroism ; prismatic needles with cleavage parallel to elongation . 1degree yellow interference colour .Medium positive relief . No interference figures . Oblique extinction of 10 to 15 degrees .
Amygdules in section A : circular patches , polygranular of variable composition; some consist entirely of quartz grains ; others entirely of chlorite plates with minor epidote ; others have epidote rims with quartz grains occupying the center of relict structures .
Carbonate in veinlets of section B : small veinlets cutting rock parallel to mineral foliation . High order white interference colours ; moderate negative relief ; uniaxial negative .

<u>ROCK NAME : ALBITE-ACTINOLITE-EPIDOTE SCHIST (Porphyroblastic , and Blasto-amygdaloidal in upper section A)</u>

THIN SECTION 2648.20

General : This section consists of polygranular aggregates forming patches within a very fine-grained matrix . About 20% of it consists of aggregates which vary in shape from well rounded and circular (17%) to elengated and semi-rounded (3%) . These patches are composed of quartz grains showing strain and undulous extinction . Some patches consist of epidote grains with a little actinolite ,others consist almost entirely of epidote . They seem to be relict amygdules which have been stressed during a post-metamorphism event . Composition of these are not sufficiently distinctive nor is angularity and elongation pronounced enough to suggest clastic fragments . They are thus interpreted as amygdules and not as clastic fragments .

Minerals	%
Matrix	80
Actinolite	45
Epidote	35
Opaques	1
Amygdules	20
Quartz	15
Epidote	4
Actinolite	1
Carbonate stringers	1

FABRIC CHARACTERISTICS :

Average grain size within amygdules from 0.2 mm to 0.3 mm . Circular amygdules measure from 0.6 mm to 0.3 mm . Maxi. dimention of elongated amygdules 5.0 mmx 1.7 mm .

Average grain size of matrix 0.07 mm . Section shows no preferred orientation. A carbonate stringer 0.07 mm wide cuts rock . The mineralogy of the rock is that of a low-grade metamorphic lithology . In terms of ACF composition the mineral assemblage indicates a basaltic origin but the absence of any Na_2O bearing minerals is anomalous . It is likely that this thin section is cut parallel to a regional foliation through a layer of rock in which albite was not segregated . A possible alternative is that this rock was derived from a marl in which case the absence of quartz is anomalous .

Albite : complete absence of feldspar

Actinolite : medium green to colourless pleochroism distinct . Prismatic development with cleavage parallel to prisms . Oblique extinction up to 10 degrees . 2degree blue interference colour . Biaxial negative , 2V about 70 to 75 degrees .

Epidote : medium yellow to colourless pleochroism , 2degree blue-green or yellow-green interference colours . Equant grains , high positive relief; biaxial negative , 2V about 80 to 85 degrees .

Carbonate : elongated patches , very high interference colour and variable relief from positive to negative upon rotation .Seen filling a thin fracture (0.1 mm) cutting across section

Opaques : up to 0.3 mm in diameter . Some grains have square cross sections; no particular spatial relationship .

Amygdules : strained , uniaxial positive , clear quartz and locally epidote as discrete grains . Few actinolite long prisms also found in amygdules .

ROCK NAME : EPIDOTE-ACTINOLITE METABASALT

THIN SECTION 2648.50

Minerals	%
Albite An_{1-2}	30
Actinolite	35
Chlorite	25
Epidote	7
Quartz in veinlets	2
Carbonate in veinlets	2

FABRIC CHARACTERISTICS :

Essentially equigranular , fine-grained to very fine-grained showing strong preferred orientation and micro-folding . Average grain size of minerals about 0.05 mm . Some grains of albite reach lenght of 0.9 mm . Albite is of two generations : larger crystals are late or post-tectonic ,they show actinolite inclusions,approaching porphyroblast size . Quartz and carbonate veinlet up to 1.0 mm thick cuts across section . Carbonate fills most of veinlet with grains up to 2.5 mm long . The middle portion of the veinlet is filled with quartz grains . Rock shows very strong mineral foliation with actinolite , chlorite , and albite strongly aligned . Foliation planes are slightly crenulated . A couple of micro-faults displace foliation .

Albite An_{1-2} : Polysynthetically twinned , low negative relief .Some grains show 1degree orange interference colours ; one grain suitably oriented for Michel Levy determination gives extinction angle of 14 degres . Composition close to An_0 . Some of the larger grains appear to be aligned at angles of 15 degrees to foliation, they are poikiloblastic with actinolite needles enclosed . This suggest second generation of albite the larger grains developing at a later metamorphic stage . Grains have a platey , slightly elongated habit and show preferred orientation .

Actinolite : medium apple-green to colourless pleochroism ; medium positive relief . 2degree blue interference colour . Opaque extinction with max. angle of 15 degrees . Cleavage not well developed . No interference figure data possible . Actinolite is intimately intergrown with chlorite .

Chlorite : medium apple-green to colourless pleochroism . moderate positive relief . Anomalous Berlin blue interference colour . Intimately intergrown

with actinolite

Epidote : high positive relief , slightly pleochroic from pale yellow to colourless . 2degree red interference colour . Equant grains , poor cleavage.

Carbonate : rhombohedral cleavage , variable relief from medium positive to medium negative on rotation . High order white interference colour . Twinning present . Uniaxial negative .It fills veinlets cutting section. Quartz also visible in part of veinlet, large grains of carbonate up to 2.5 mm .

Opaque : anhedral grains with no particular spatial relationship .

Quartz : only seen in central portion of veinlet . 1degree white interference colour , uniaxial positive , low relief .

ROCK NAME : EPIDOTE-ACTINOLITE-ALBITE SCHIST

THIN SECTION 2648.80

Minerals	%
Albite	35
Chlorite	40
Epidote	8
Actinolite	14
Opaque	3

FABRIC CHARACTERISTICS :

Essentially equigranular showing a few conspicuously larger albite and epidote grains . They are locally polygranular and oblique to a very pronounced, crenulated mineral foliation . Average grain size of rock is about 0.05 mm , some single albite grains with elongated prismatic habit reach lenghts of 0.4 mm . Polygranular patches of epidote reach 1.0 mm in diameter , they seem to disrupt and truncate foliation. They are post or late-tectonic features . Foliation planes are extremely crenulated , with open small- amplitude folds . Long and thin veinlets of opaques occur conformable to the foliation, slightly oblique to foliation and one at right angle to the foliation . They indicate post-tectonic filling . The highly oblique opaque veinlet is found within a thicher (0.2 mm) vein composed almost entirely of chlorite . The epidote patches appear to truncate and separate the foliation , thus they appear to be post-main metamorphic episode .

Albite : colourless non-pleochroic ; low negative relief .1degree grey interference colour , some grains show a poor partly destroyed and indistinct polysynthetic twinning and /or simple twinning . Grain boundaries are indistinct and many grains show undulous extinction . Biaxial positive with 2V of about 80 degrees . Grains have slightly elongated prismatic habit . All clear , untwinned grains which were checked gave biaxial figures and so no quartz is apparent in the section .

Chlorite : colourless to green pleochroism . Medium positive relief , basal cleavage , near parallel extinction . Patchy habit , low interference colour grey-white with some grains showing Berlin blue colours . Near bottom of section a chlorite veinlet contains short discontinuous thin zones of opaques.

Actinolite : colourless to green pleochroism , long prismatic habit

with cleavage parallel to prism , 2degree blue interference colour , oblique extinctionwith max. angle of about 15 degrees .

Epidote : some discrete grains throughout the rock , it occurs as polygranular patches which disrupt foliation .In these patches of 1 mm x 1 mm of dimention epidote is pleochroic - colourless to yellow , it has high positive relief , 2degree green and red interference colour ; biaxial negative with 2V of about 80 degrees . It also shows simple twinning .

Opaques : occur as long thin gash-fillings parallel to the foliation and oblique to the foliation . They appear to be late or post-tectonic filling of fractures which opened when the rock cooled . Opaques also occur as discrete grains with cubic (?) habit .

ROCK NAME : EPIDOTE-ACTINOLITE-ALBITE -CHLORITE SCHIST

THIN SECTION 2650.10

As thin section 2648.80 , slightly coarser grained with minor changes in mineral percentages

THIN SECTION 2650.30 A

Minerals	%
Albite	40
Actinolite	21
Epidote	2
Chlorite	17
Carbonate	1
Opaques in veinlets	20

FABRIC CHARACTERISTICS :

Essentially equigranular , holocrystalline with average grain size of 0.1 mm. Some albite grains reach lenghts of 0.5 mm , many are oblique to a strong mineral foliation developed in the rock due to alignment of actinolite ,chlorite and albite prisms . A set of opaque filled stringers and veinlets occur parallel to the foliation . Locally they offset and cross-cut veinlets indicating that the opaques filled a set of fractures developed post-tectonically as stresses relaxed . Veinlets and stringers are 0.03 mm wide . No amygdaloidal fabri noted . It seems to be a flow rock but no suggestion of relict fabrics reflecting tuffaceous origin . It could be a greywacke but apparent absence of K_2O bearing minerals argues against it .

Albite : some grains show indistinct polysynthetic twinning and low negative relief with 1degree grey-white interference colour . On some grains one good cleavage is visible . Only a couple of grains permit MichelLevy measurements giving extintion angles of 13 degrees : composition close to An_5 or less ; biaxial positive , 2V of about 85 degrees . Most of the grains showing twinning are larger than grains with no twinning but have low negative relief and 1degree grey-white interference colour . They look identical to albite except for the absence of twinning ; they could be K feldspars although all those tested gave positive signs and very high

2V whereas low orthoclase and microcline have negative signs and low to intermediate 2Vs .

Chlorite : colourless to pale green pleochroism . Grey green interference colour with some grains showing Berlin blue . No cleavage seen . Patchy development of grains which are very fine and seem to occur as aggregates forming a felted mass of plates .

Epidote : medium to high positive relief ; yellow to colourless pleochroism; 2degree blue interference colour . One poor cleavage , biaxial negative with 2V of about 80 degrees . Strong dispersion .

Carbonate : seen occurring as long platey crystals , along fractures or discontinuously along edges of fractures which are otherwise unfilled . Variable relief from moderate positive to moderate negative on stage rotation. Colourless to high order white interference colour . Rhombohedral twinning , uniaxia negative .

Opaques :thin elongated stringers of opaques pervade the section . They are more or less conformable to foliation of rock or rim individual larger grains of albite . They appear to be post-tectonic for a few stringers cut across foliation planes or pass through albite single crystals . Some Fe oxyde or hydroxide dust obscures mineral grains adjacent to veinlets .

Actinolite : pale gren to colourless , 1degree yellow to orange-red interference colour . Moderate positive relief . Only one cleavage seen , parallel to long prismatic development of crystals . Oblique extinction with max. angle of about 15 degrees .

ROCK NAME : EPIDOTE-CHLORITE-ACTINOLITE-ALBITE SCHIST

THIN SECTION 2650.30 B

As thin section 2650.30 A with minor changes in mineral percentages .

THIN SECTION 2650.80

As thin section 2650.30 A with minor changes in mineral percentages , and more numerous veinlets and stringers of carbonates .

THIN SECTION 2650.90

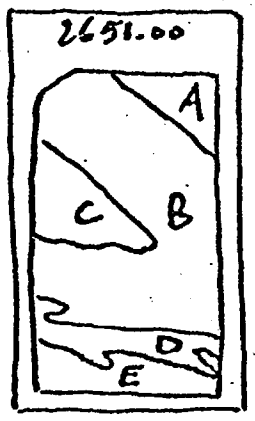
As thin section 2647.30 A with minor changes in mineral percentages and a well developed porphyroblastic texture .

THIN SECTION 2651.00

General : five zones distinguishable on the basis of mineralogic and/or fabric difference con be recognized in this thin section (see sketch) . A strong mineral foliation pervades the section and it is common to all zones . Boundaries between zones are diffuse and consistent with the interpretation of these zones as representing layers of differentchemical composition and/or fabric which have undergone low-grade metamorphism in an open system .Whether the layers represent sedimentary beds, tuffaceous layers , flow units or a combination of these , cannot be unambigously deduced from this section . The bulk chemical composition of the section shows high levels of Al_2O_3 and CaO , appreciable SiO_2, MgO, FeO and very low Na_2O , K_2O and CO_2 . Such a composition does not accord with any common primary rock and suggests that metasomatism has played an important role in the production of the present mineral assemblage .

Minerals %

	A	B	C	D	E
Epidote Porpgyroblasts	35	10	30	5	10
Chlorite	13	42	5	34	42
Actinolite	30	10	-	4	10
Epidote (matrix)	22	35	30	25	35
Quartz	1	3	35	30	3
Opaque	-	-	-	2	-



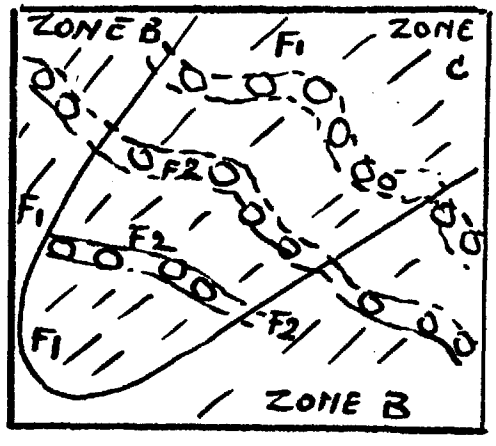
FABRIC CHARACTERISTICS :

Zone A (about 10% of section): is characterized by the abundance of relatively large epidote patches (35 % of zone) set in a felted intergrowth of chlorite, actinolite and fine epidote crystals . The epidote patches are circular to semi-round and attain diameters of 1.80 mm . Average grain size of the crystals is 0.05 mm or less . The patches consist both of single crystals of epidote and of polygranular aggregates of epidote . They could be relict amygdules or stressed recrystallized porphyroblasts . Mineral foliation not pronounced in this zone .

Zone B (about 50% of section) : is relatively equigranular with larger patches of epidote (both single crystals and polygranular aggregates) making up only 10 % of the zone . Epidote patches are also smaller than in Zone A (up to 0.7 mm in diameter) . They are set in a matrix of epidote, chlorite, and actinolite of average grain size of about 0.06 mm . Mineral foliation is well developed , a second crenulated , planar structure , which makes a high oblique angle to the foliation is present in the zone .(see description of Zone C)

Zone C (about 15% of section) is characterized by a relatively high proportion of quartz . It shows a sharp boundary with the enclosing Zone B marked by a concentration of chlorite and /or actinolite grains .

Clusters of epidote grains appear to interrupt and truncate a prismatic habit which is shown by patches of quartz grains . The prismatic quartz , actinolite and chlorite impart a mineral foliation (F_1) to the zone which conforms to the pervasive foliation of the section . There is a suggestion that some clusters of epidote grains line up discontinuously to outline narrow lamellar zones (F_2) which cut across the mineral foliation planes (F_1) .(see sketch) . The set of F_2 planar structures are crenulated with the traces of the axial planes of the minor folds alligned with the mineral foliation of the section.



The set F_2 appears to be later than the pervasive mineral foliation and makes a highly oblique angle with F_1 . Outside of Zone C , in Zones B,D and E , the cross-fold set (F_2) is less distinct but in few locations the suggestion that clusters of epidote grains fall within irregular , crenulated , lamellar zones, can be made out .

Zone D (about 10% of section) is characterized by an interlamination of quartz-rich and quartz-poor layers . Individual layers vary from 0.2 mm to 2.5 mm in width . Quartz-rich layers contain about 60 % quartz and 40 % chlorite with minor actinolite . Quartz-poor layers contain about 70 % chlorite , 14 % epidote , 8 % actinolite , 4 % quartz and 4 % opaques . Quartz within this zone shows a distinct prismatic habit and appears sheared and/or recrystallized . The opaques are found within a set of very thin (0.1 mm) stringers . They are crenulated as are the other layers of Zone D . The crenulation is conformable with the cross-folds labelled F_2 in Zone C .
Zone E (about 15 % of section) is similar to Zone B in compositionand fabric.

Note : provenance of this rock is questionable . On balance it may be a sedimentary rock perhaps a marl (?) with siliceous siltstone interlayers . The presence of actinolite and the absence of carbonate however is difficult to account for if a marl . The absence of any Na_2O and K_2O bearing minerals makes a basaltic or a greywacke origin equally difficult to visualize. Almost certainly the rock has been effected by metasomatism .

Quartz : colourless and non pleochroic , low positive relief ; 1degree orange-yellow interference colour . Uniaxial positive . Occurs as platey patches showing undulous extinction , the patches appearing to consist of domaines with quite different optical orientation , with gradational hazy boundaries . Also occurs as patches which seem to consist of aggregates of distinctly prismatic habit . Minor inclusions of actinolite needles . Quartz id largely restricted to Zones C and D .It occurs filling veinlets in other zones . All quartz has beel recrystallized and/or dynamically strained.
Epidote : yellow to colourless pleochroism , high positive relief . Shows 3degree red-pink interference colour . Biaxial negative with 2V of about 75 to 80 degrees . Simple twinning noted . Two cleavages noted on sections giving excellent BxA figure . Equant habit . It also occurs as polygranular, circular aggregates (most abundant in Zone A) ; they could be relict amygdules or very late stage tectonic fillings along microfractures.
Chlorite :colourless to medium green ; moderate positive relief . Most grains show 1degree yellow to grey interference colour , few grains display Berlin blue . Biaxial negative with a low 2V (about 5 degrees) . Near parallel extinction .
Actinolite : colourless to medium green ; high positive relief . 2degree

blue interference colour . As fine needles . Oblique extinction with max. angle of about 15 degrees . Prismatic habit ; suggestion of cleavage parallel to prism .

Opaque : several narrow short and contorted stringers , particularly in Zone D. Also discrete tiny grains scattered throughout section

ROCK NAME : ACTINOLITE-QUARTZ-CHLORITE-EPIDOTE SCHIST (Laminated and porphyroblastic)

THIN SECTION 2651.50 A

As thin section 2651.00 with minor changes in mineral percentages .

THINSECTION 2651.50 B

As thin section 2651.00 with minor changes in mineral percentages .

THIN SECTION 2651.90

Minerals	%
Porphyroblastic- chlorite -rich layers (80 % of section)	
Chlorite	48
Actinolite	2
Epidote	5
Epidote porphyroblasts	25
Opaque	1
Albite bearing leyers (20 % of section)	
Albite An_{1-2}	6
Epidote	3
Actinolite	8
Epidote porphyroblasts	3
Opaque	1

FABRIC CHARACTERISTICS :

Laminated ,holocrystalline ,porphyroblastic , showing strong mineral foliation parallel to layering . One corner of section contains an albite bearing layerwhich is slightly porphyroblastic with epidote porphyroblasts up to 0.6 mm and averaging 0.08 mm in diameter . They are set in an equigranular matrix of albite and actinolite of average grain size of about 0.08 mm .

The remainder of section consists of layers having epidote porphyroblasts set in a matrix having different proportions of chlorite ,actinolite and epidote with little or no albite . Epidote porphyroblasts in this layers are up to 1.20 mm in diameter averaging 0.60 mm . They disrupt the mineral foliationand are distinctly post-tectonic . The grain size of chlorite, actinolite and epidote matrix is variable but averages about 0.03 mm . A couple of stringers of opaques as well as a few discrete grains of opaques are also found in section .

Albite : low negative relief , colourless and non pleochroic . 1degree grey-white interference colour . Many grains show polysynthetic twinning and permit Michel Levy determination of extinction angle (about 14 degrees) indicating An_{1-2} . One good cleavage visible . The grains show prismatic habit and are aligned parallel to chlorite -actinolite mineral foliation planes . Albite occurrence is restricted to one compositional layer which ahs smaller epidote crystals of similar size to the albite prisms . This layer shows also a higher proportion of actinolite . (see sketch) .

Epidote porphyroblasts are distinctly post-foliation interrupting and distorting foliation planes . Grains are from 0.05 mm to 1.20 mm in diameter , the average being 0.60 mm . Colourless to yellow pleochroism is present . High positive relief , 2degree red interference colour . Biaxial negative , 2V of about 80 to 85 degrees . Equant grains . Two cleavages are seen; a few grains show multiple twinning .

Epidote grains occur as part of the matrix component both in albite-bearing and albite-free layers . These grains appear optically identical to the epidote porphyroblasts mentioned before .

Chlorite : green to colourless pleochroism . Berlin blue interference colour in sections cut perpendicular to basal cleavage , other grains show dark grey colours .Parallel or near parallel extinction .No interference figures obtained.

Actinolite : green to colourless pleochroism with Berlin blue interference colour . Slender long prismatic habit , poor cleavage if any . 1degree red-orange interference colour . Oblique extinction with max. angle of about 15 degrees . No interference figures obtained .

ROCK NAME: ACTINOLITE-EPIDOTE-CHLORITE SCHIST (Laminated)

V- APPENDICES

5) Rapports journaliers de forage

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-29 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 83

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m :

AVANCEMENT m :

FORMATION :

ACTIVITÉ COURANTE : Foreuse libérée à 14:00, 81-05-28

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 10 000.

COÛT CUMUL. $ 1 856 756.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Fini de nettoyer les réservoirs à boue. Cimenté 1 dernier bouchon au sommet du coffrage conducteur, coupé le coffrage sous la surface et y souder une plaque d'acier. Libérée la foreuse à 14:00 le 1981-05-28

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-28 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 82

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m :

AVANCEMENT m :

FORMATION :

ACTIVITÉ COURANTE : Démentellement de la foreuse

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 21 912.

COÛT CUMUL.$ 1 846 756.

CHRONOLOGIE

Démentellement: 7 hres

FORAGE h

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h 17

ACTIVITES PRÉCÉDENTES

Cimenté le bouchon no. 3, laissé séché le ciment, touché le bouchon no. 3 à 1288m. Cimenté le bouchon no. 4 à 310m. Laissé sécher, touché bouchon no.4 à 284m. Démonté les BOP et nettoyé les réservoirs à boue.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-27 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 81

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m :

AVANCEMENT m :

FORMATION :

ACTIVITÉ COURANTE : Démontage des tiges

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 33 262.

COÛT CUMUL. $ 1 824 844.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h 4½

RELEVES h

CIRCULATION h 1½

ENTRETIEN h câble: 1

REPÊCHAGE h

DIAGRAPHIES h

TESTS h 12

~~COFFRAGE~~, CIMENT h 5

ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

RAPPORT JOURNALIER DE FORAGE

JOUR DE FORAGE: 81

1981-05-27

ACTIVITES PRECEDENTES:

DST NO. 8: 1570 - 1585 m

PF: 3 min, faible écoulement décroissant à rien
ISI: 30 min
FF: 60 min, mort à l'ouverture
FSI: 120 min

PRESSIONS:	IHP:	17211 kPa
	PFP:	259 kPa
	ISIP:	259 kPa
	IFP:	259 kPa
	FFP:	259 kPa
	FSIP:	259 kPa
	FHP:	17211kPa

Récupéré 2 m de boue de forage

T° à 1072 m: 33°C

DST NO. 6: T° à 858 m :18°C

DST NO. 7: T° à 812 m: 18°C

Démonté les outils d'essais aux tiges. Entré les masses-tiges, sortir et démonté les masses-tiges. Coupé le câble, entré jusqu'à 2770m. Circulé, cimenté le 1er bouchon de 2770 à 2740 m. Cimenté le 2ième bouchon de 1530 à 1500m . Commencé à démonter les tiges de forage

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-26 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 80

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m :

AVANCEMENT m :

FORMATION :

ACTIVITÉ COURANTE : Entré pour DST No.8

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 21 912.

COÛT CUMUL. $ 1 791 582.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h 6½

RELEVES h

CIRCULATION h 3

ENTRETIEN % câble: 1

REPÊCHAGE h

DIAGRAPHIES h

TESTS h 13½

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

RAPPORT JOURNALIER DE FORAGE

JOUR DE FORAGE: 80
1981-05-26

ACTIVITES PRECEDENTES:

DST no. 6: 856 - 873 m

PF: 3 min très faible écoulement à mort
ISI: 30 min
FF: 30 min mort à l'ouverture, NGTS
FSI: 120 min

PRESSIONS:	IHP:	9024 kPa
	PFP:	172 kPa
	ISIP:	1728 kPa
	IFP:	259 kPa
	FFP:	216 kPa
	FSIP:	4045 kPa
	FHP:	8939 kPa

Replacé les outils dans l'intervalle du DST no. 7

DST no. 7: 810 - 827 m

PF: 3 min, faible à mort en 3 minutes
ISI: 30 min
FF: 60 min mort à l'ouverture NGTS
FSI: 120 min

PRESSIONS:	IHP:	8770 kPa
	PFP:	172 kPa
	ISIP:	864 kPa
	IFP:	259 kPa
	FFP:	216 kPa
	FSIP:	3497 kPa
	FHP:	8770 kPa

Récupéré 4 m de boue de forage pour les DST no. 6 et 7. Sorti du trou et entré avec un trépan jusqu'à 2771 m pour conditionner le trou. Sorti, installé les outils pour DST no. 8, entré dans le trou.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-25 FOREUSE No. 6
Yvan Tessier

JOUR DE FORAGE : 79

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m :

AVANCEMENT m :

FORMATION :

ACTIVITÉ COURANTE : ISI pour DST No. 6

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 21 912.

COÛT CUMUL. $ 1 769 670.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h pour nettoyer 5

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h 18½

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Voir feuille no. 2.

RAPPORT JOURNALIER DE FORAGE

SOQUIP PETROFINA BAIE DE GASPE-NORD NO. 1

JOUR DE FORAGE: 79

1981-05-25

ACTIVITES PRECEDENTES:

DST NO. 4 intervalles: 1170 à 1198 m

PF: 3 min, très faible écoulement d'air
ISI: 30 min
FF: 60 min, très faible écoulement à mort après 5 min NGTS
FSI:120 min

Pressions:	IHP:	13964 kPa
	PFP:	259 kPa
	ISIP:	345 kPa
	IFP:	259 kPa
	FFP:	345 kPa
	FSIP:	345 kPa
	FHP:	12733 kPa

Récupéré 2 m de boue de forage. T° à 1172 m: 27°C. Entré pour nettoyer le trou (packers déchirés au DST NO. 4)

DST NO. 5 intervalles: 1126 à 1161 m

PF: 3 min, très faible arrivée d'air décroissant
ISI: 30 min
FF: 60 min pas d'écoulement en surface NGTS
FSI:120 min

Pressions:	IHP:	12498 kPa
	PFP:	129 kPa
	ISIP:	216 kPa
	IFP:	259 kPa
	FFP:	259 kPa
	FSIP:	216 kPa
	FHP:	12413 kPa

Récupéré 2 m de boue de forage. T° à 1128 m: 25°C

Note: Halliburton arrive à Gaspé à 22:00 le 1981-05-23 et au site à 13:00 le 8105-24

DST NO. 6 intervalles: 856 à 873 m

PF: 3 min très faible écoulement à mort
ISI: 30 min

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-24 FOREUSE No. _____

JOUR DE FORAGE : 78

PROFONDEUR m : 2771 T.D.

PROFONDEUR HIER m : _____

AVANCEMENT m : _____

FORMATION : _____

ACTIVITÉ COURANTE : DST No. 4

COFFRAGE : _____

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : _____ pH : _____ PE/VP : _____

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : _____ GEL Pa : ____/____

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : _____ POLYMER kg/m³ : _____

VITESSE ANNULAIRE m/min : _____ PERTE D'EAU cm³ : _____ K⁺ ppm : _____

VOLUME CIRCULÉ m³ : _____ TEMPS DE CIRCULATION min (fond-surf.) : _____ TOTAL : _____

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No. _____

DIM. mm _____

CPM _____

DÉBIT ℓ/min _____

PRESSION kPa _____

POUVOIR HYDR. ____/____

COÛT JOUR $ 21 912.

COÛT CUMUL. $ 1 747 764

CHRONOLOGIE

FORAGE h _____

ALÉSAGE h _____

VOYAGE h _____

RELEVES h _____

CIRCULATION h _____

ENTRETIEN h _____

REPÊCHAGE h _____

DIAGRAPHIES h _____

TESTS h 24

COFFRAGE, CIMENT h _____

ACTIVITES PRÉCÉDENTES

Voir feuille no. 2.

RAPPORT JOURNALIER DE FORAGE

SOQUIP PETROFINA BAIE DE GASPE-NORD NO. 1

JOUR DE FORAGE: 78
1981-05-25

ACTIVITES PRECEDENTES:

DST NO. 2 intervalles: 1409 à 1429 m

P.F.: 10 min, très faible écoulement en surface
ISI: 30 min
FF: 60 min aucun écoulement NGTS
FSI: 120 min

Pressions:	IHP:	15282 kPa
	PFP:	345 kPa
	ISIP:	345 kPa
	IFP:	259 kPa
	FFP:	259 kPa
	FSIP:	259 kPa
	FHP:	15198

Récupéré 1 m de boue de forage. T° à 1411m : 30°C

DST NO. 3 intervalles: 1355 à 1375 m

P.F. 5 min, fort écoulement d'air constant
ISI: 30 min
FF: 60 min, fort écoulement diminuant à faible, NGTS

Pressions:	IHP:	14862 kPa
	PFP:	518 kPa
	ISIP:	1987 kPa
	IFP:	518 kPa
	FFP:	432 kPa
	FSIP:	2160 kPa
	FHP:	14862 kPa

Récupéré 10 m de boue de forage et 8 m de boue de forage avec de l'huile (14% d'huile/volume). T° à 1357 m: 29°C

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NC

DATE : 1981-05-23 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 77

PROFONDEUR m : 2771

PROFONDEUR HIER m : ---

AVANCEMENT m : ---

FORMATION : ----

ACTIVITÉ COURANTE : DST No. 2

COFFRAGE :

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11 PE/VP : 3

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 15 / 17

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 0,75

VITESSE ANNULAIRE m/min : -- PERTE D'EAU cm³ : 26 K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 227 TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL		2653	151
KCL		1925	102
NaOH		221	27
SS-100		90	13
FLR-100 E		45	11
BARITE		8	42

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 18 012.

COÛT CUMUL. $ 1 725 852.

CHRONOLOGIE

Câble: 1/2

FORAGE h

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h 6½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h 17

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Voir autre feuille...2

RAPPORT JOURNALIER DE FORAGE

SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

JOUR DE FORAGE: 77

1981-05-23

ACTIVITES PRECEDENTES: On a circulé, commencé à sortir les tiges pour DST No. 1

Installé les packer pour DST no. 1

DST NO. 1 intervalles: 1460 à 1470 m

P.F: 10 min P.F.: très faible arrivée d'air diminuant à rien après 10 min.
ISI: 30 min I.F.: Rien en ouvrant la valve NGTS
IF : 60 min
ISI:120 min

Pressions:	IHP:	15030 kPa
	PFP:	172 kPa
	ISIP:	172 kPa
	IFP:	259 kPa
	FFP:	259 kPa
	FSIP:	259 kPa
	FHP:	14946 kPa

Récupéré 3 m de boue de forage. T° à 1462 m: 34°C

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-22 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 76

PROFONDEUR m : 2771

PROFONDEUR HIER m : 2771

AVANCEMENT m : 0

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : circulation

COFFRAGE : 244.5mm à 294 m

Trépan No.	RR43C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J77		
Série	56031		
Gicleurs mm	3x8,7		
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition	4-2-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11 PE/VP : 3

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 15 / 17

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : .75

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 26 K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 227 TEMPS DE CIRCULATION min (fond-surf.) : 85 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	2653	151
KCL	0	1925	102
NaOH	0	221	27
SS-100	0	90	13
FLR-100 E	0	45	11
TEFLON ~~BARITE~~	0	8	42

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 6000

POUVOIR HYDR. /

COÛT JOUR $ 81 912.

COÛT CUMUL.$ 1 707 840.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h 4

RELEVES h

CIRCULATION h 6½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h 13½

TESTS h

COFFRAGE,CIMENT h

ACTIVITES PRÉCÉDENTES

Fini de prendre les diagraphies suivantes: CNL,FDC,GAMMA-RAY, CALIPER de 2770 à 300m HDT de 2769.5 à 300 m. Fini la prise de diagraphies à 21:30 le 1981-05-21. Démantelé la stabilisation, entré dans le trou et circulé pour conditionner la boue pour la prise du DST No. 1

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-21 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 75

PROFONDEUR m : 2771

PROFONDEUR HIER m : 2771

AVANCEMENT m : 0

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : Diagraphies

COFFRAGE : 244.5 mm à 294 m

Trépan No.	42C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J77		
Série	56031		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m	----		
Entrée m	2657		
Avancement m	114		
Heures	71		
Taux m/h	1,60		
Condition	4-2-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
21	2771

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 3,00

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 18/21

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m³ : 1,40

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 22 K⁺ ppm : 85

VOLUME CIRCULÉ m³ : 227 TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	2653	151
KCL	25	1925	102
NaOH	2	221	27
SS-100	1	90	13
FLR-100 E	2	45	11
TEFLON ~~BARITE~~	0	8	42

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 45 892.

COÛT CUMUL.$ 1 625 728.

CHRONOLOGIE

FORAGE h ¼

ALÉSAGE h

VOYAGE h 3¼

RELEVES h ¼

CIRCULATION h 1¾

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h 18½

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Circulé pour conditionner la boue. Sorti les tiges, préparation pour prises de diagraphies suivantes: SONIC, GAMMA-RAY, CALIPER de 2770.5 m à 294 m. VDL, GAMMA-RAY de 2000 m à 294 DLL, GAMMA-RAY, CALIPER de 2770 m à 294 m.

NOTE: Commencé les diagraphies à 13:30, le 1981-05-20

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-20 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 74

PROFONDEUR m : 2771

PROFONDEUR HIER m : 2726

AVANCEMENT m : 45

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : Circulation

COFFRAGE : 244.5mm à 294 m

Trépan No.	42C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J77		
Série	56031		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m	----		
Entrée m	2657		
Avancement m	114		
Heures	70¾		
Taux m/h	1,61		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KcL SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 3

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 18 / 21

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m³ : 1,40

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 22 K⁺ ppm : 85

VOLUME CIRCULÉ m³ : 227 TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	2653	151
KCL	25	1925	102
NaOH	2	221	27
SS-100	1	90	13
FLR-100 E	2	45	11
~~BARITE~~ TEFLON	0	8	42

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 14 792.

COÛT CUMUL. $ 1 580 036.

CHRONOLOGIE

FORAGE h 24

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2771 m. Commencé à circuler la boue pour conditionner le trou pour la prise de diagraphies.

Note: Arrivée de Schlumberger à 17:00 le 1981-05-19

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-19 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 73

PROFONDEUR m : 2726

PROFONDEUR HIER m : 2686

AVANCEMENT m : 40

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294m

Trépan No.	42C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J77		
Série	56031		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m	---		
Entrée m	2657		
Avancement m	69		
Heures	46¾		
Taux m/h	1,48		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 1,39

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 11 GEL Pa : 17 / 20

GRADIENT kPa/m : 10,2 POINT D'ÉCOUL. Pa : 15 POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 26 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 225 TEMPS DE CIRCULATION min (fond-surf.) : 84 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	21	2653	151
KCL	25	1900	127
NaOH	3	219	29
SS-100	1	89	14
FLR-100 E	2	43	13
TEFLON ~~BARITE~~	0	8	42

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 7500

POUVOIR HYDR. /

COÛT JOUR $ 14 977

COÛT CUMUL. $ 1 565 244.

CHRONOLOGIE

FORAGE h 24

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2726m. Vérifié l'équipement de BOP et extincteur chimique: OK.

Note: Téléphoné à Schlumberger à 12:00(midi) le 1981-05-18

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-18 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 72

PROFONDEUR m : 2686

PROFONDEUR HIER m : 2657

AVANCEMENT m : 29

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294m

Trépan No.	42C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J77		
Série	56031		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m	----		
Entrée m	2657		
Avancement m	29		
Heures	22¾		
Taux m/h	1,27		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11 PE/VP : 3,00

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 11 / 17

GRADIENT kPa/m : 10,2 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m³ : 1,40

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 25 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 223 TEMPS DE CIRCULATION min (fond-surf.) : 82 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	19	2632	172
KCL	30	1875	152
NaOH	3	216	32
SS-100	1	88	15
FLR-100 E	1	41	15
TEFLON ~~BARITE~~	3	8	43

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 7500

POUVOIR HYDR. /

COÛT JOUR $ 15,407.

COÛT CUMUL. $ 1 550 267.

CHRONOLOGIE

FORAGE h 22¾

ALÉSAGE h

VOYAGE h

RELEVES h ¾

CIRCULATION h ½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Fini d'entrer les tiges et foré jusqu'à 2686 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-17 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 71

PROFONDEUR m : 2657

PROFONDEUR HIER m : 2652

AVANCEMENT m : 5

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : voyage

COFFRAGE : 244.5mm à 294 m

Trépan No.	41C	42C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J77	J77	
Série	75402	56031	
Gicleurs mm	3x8,7	3x8,7	
Poids daN	13000	10000	
RPM	55	55	
Sortie m	2657	----	
Entrée m	2652	2657	
Avancement m	5		
Heures	9		
Taux m/h	.56		
Condition	6-3-1mm		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 3.11

DENSITÉ kg/m³ : 1035 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 22 / 28

GRADIENT kPa/m : 10,1 POINT D'ÉCOUL. Pa : 24.9 POLYMER kg/m³ : 1,35

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 26 K⁺ ppm : 15 000

VOLUME CIRCULÉ m³ : 221 TEMPS DE CIRCULATION min (fond-surf.) : 81 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	18	2613	191
KCL	30	1845	182
NaOH	1	213	35
SS-100	0	87	16
FLR-100 E	1	40	16
TEFLON BARITE	5	5	45

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 940

PRESSION kPa 7500

POUVOIR HYDR. /

COÛT JOUR $ 23 927

COÛT CUMUL. $ 1 534 860.

CHRONOLOGIE

Câble: ¾

FORAGE h 9

ALÉSAGE h 2½

VOYAGE h 11½

RELEVES h ¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Récupéré carotte no. 1 100% (2647 à 2652m). Entré avec un assemblage standard, très difficile à aléser. Foré 5 m, sorti les tiges, le trépan était pincé. Réentrer avec un nouveau trépan, léger point serré(bridge) à 1150 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-16 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 70

PROFONDEUR m : 2652

PROFONDEUR HIER m : 2640

AVANCEMENT m : 12

FORMATION : Cambro-Ordovicien

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.5mm à 294 m

Trépan No.	39C	40C	
Grandeur mm	216	215	
Marque	H.W.	BOART	
Modèle	J77	CB 203	
Série	75399	81019	
Gicleurs mm	3x8,7	-----	
Poids daN	18 000	9000	
RPM	55	75	
Sortie m	2647	2652	
Entrée m	2618	2647	
Avancement m	29	5	
Heures	20¼	9¼	
Taux m/h	1,43	0,54	
Condition	7-3-i	bonne	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 1,9

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 12 / 15

GRADIENT kPa/m : 10,2 POINT D'ÉCOUL. Pa : 13 POLYMER kg/m³ : 2,5

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 24 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 221 TEMPS DE CIRCULATION min (fond-surf.) : 80 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	16	2595	202
KCL	20	1815	212
NaOH	4	212	36
SS-100	0	87	16
FLR-100 E	0	39	17
DIESEL ~~BARITE~~	2000 litres	4000 li.	

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 140

DÉBIT ℓ/min 1200

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 23,132.

COÛT CUMUL.$ 1 510 933.

CHRONOLOGIE

Câble: ¾

FORAGE h 13¾

ALÉSAGE h

VOYAGE h 8½

RELEVES h ½

CIRCULATION h ½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2647 m. Sorti les tiges, enlevé la stabilisation, mis en place le tube carottier, entré et pris carotte no. 1 de 2647 à 2652 m. Commencé à sortir les tiges pour récupéré la carotte no. 1

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : Le 15 mai '81 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 69

PROFONDEUR m : 2640

PROFONDEUR HIER m : 2618

AVANCEMENT m : 22

FORMATION : Griffon Cove River

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5 mm à 294 m

Trépan No.	38C	39C	
Grandeur mm	216	216	
Marque	REED	HW	
Modèle	FP830	J77	
Série	72951	75399	
Gicleurs mm	3 x 8,7	3 x 8,7	
Poids daN	18 000	18 000	
RPM	55	55	
Sortie m	2618	---	
Entrée m	2569	2618	
Avancement m	49	22	
Heures	36¾	15¾	
Taux m/h	1,33	1,40	
Condition	8-4-2	Forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
16½	2630

PROPRIÉTES DE LA BOUE

TYPE : SS100, Gel, KCl

VISCOSITÉ s/ℓ : 65

pH : 11

PE/VP : 1,78

DENSITÉ kg/m³ : 1050

VISC. PLASTIQUE mPa·s : 9

GEL Pa : 15 / 19

GRADIENT kPa/m : 10,3

POINT D'ÉCOUL. Pa : 16

POLYMER kg/m³ : 2,00

VITESSE ANNULAIRE m/min : 34

PERTE D'EAU cm³ : 20

K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 221

TEMPS DE CIRCULATION min (fond-surf.) : 80

TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	14	2579	225
KCL	20	1795	232
NaOH	3	208	40
SS-100	1	87	16
FLR-100 E	1	39	17
BARITE			
Diésel	2000 litres	2000	---

DONNEES HYDRAULIQUES

POMPE No. 1

DIM. mm 127 x 216

CPM 120

DÉBIT ℓ/min 890

PRESSION kPa 7500

POUVOIR HYDR. ___ / ___

COÛT JOUR $ 19 407

COÛT CUMUL. $ 1 487 801

CHRONOLOGIE

FORAGE h 15 ¾

ALÉSAGE h

VOYAGE h 7 ½

RELEVES h 3/4

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Fini de sortir les tiges. Changé le trépan. Arranger le tube carottier. Ré-entré dans trou avec un trépan normal et foré 2640 m. Mis 2000 litres de diésel dans la boue pour diminuer le torque.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-14 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 68

PROFONDEUR m : 2618

PROFONDEUR HIER m : 2585

AVANCEMENT m : 33

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.5mm à 294 m

Trépan No.	38C		
Grandeur mm	216		
Marque	REED		
Modèle	FP830		
Série	72951		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m	2618		
Entrée m	2569		
Avancement m	49		
Heures	36¾		
Taux m/h	1,33		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
16	2601

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 2,20

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 14 / 18

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 15,3 POLYMER kg/m³ : 1,42

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 22 K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 220 TEMPS DE CIRCULATION min (fond-surf.) : 79 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	20	2565	239
KCL	20	1775	252
NaOH	5	205	43
SS-100	1	86	17
FLR-100 E	1	38	18
~~BARITE~~ DEVIS	0	5	19

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 890

PRESSION kPa 7400

POUVOIR HYDR. /

COÛT JOUR $ 14 912.

COÛT CUMUL.$ 1 468 394.

CHRONOLOGIE

FORAGE h 22¾

ALÉSAGE h

VOYAGE h ½

RELEVES h ¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2618 m. Le torque augmente et le taux de forage diminue. Commencé à sortir les tiges pour changer le trépan.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-13 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 67

PROFONDEUR m : 2585

PROFONDEUR HIER m : 2565

AVANCEMENT m : 20

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	37C	38C	
Grandeur mm	216	216	
Marque	SMITH	REED	
Modèle	F7	FP830	
Série	BD5728	72951	
Gicleurs mm	2x8,7 ~~1x9,5~~	3x8,7	
Poids daN	18 000	18 000	
RPM	55	55	
Sortie m	2569	----	
Entrée m	2518	2569	
Avancement m	51	16	
Heures	31¼	14	
Taux m/h	1,63	1,14	
Condition	7-3-2mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
15½	2569

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 à 75 pH : 11.5 PE/VP : 1,38

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 13 GEL Pa : 12/18

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,85

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 21 K⁺ ppm : 24 000

VOLUME CIRCULÉ m³ : 218 TEMPS DE CIRCULATION min (fond-surf.) : 77 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	12	2545	259
KCL	20	1755	272
NaOH	4	200	50
SS-100	2	85	16
FLR-100 E	1	37	19
DFVIS ~~BARITE~~	-	5	19

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 890

PRESSION kPa 7400

POUVOIR HYDR. /

COÛT JOUR $ 19 317.

COÛT CUMUL. $ 1 453 482.

CHRONOLOGIE

Câble: ¾

FORAGE h 17

ALÉSAGE h ½

VOYAGE h 5½

RELEVES h ¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2568 m. Sorti les tiges, changé le trépan et les couteaux du SR3. Entré dans le trou, alésé et foré jusqu'à 2585 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

DATE : 1981-05-12 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 66

PROFONDEUR m : 2565

PROFONDEUR HIER m : 2525

AVANCEMENT m : 40

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	37C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F7		
Série	BD5729		
Gicleurs mm	2x8,7 1x9,5		
Poids daN	18 000		
RPM	55		
Sortie m	---		
Entrée m	2518		
Avancement m	47		
Heures	28¼		
Taux m/h	1,66		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
15½	2544

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 1,68

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 10 GEL Pa : 13/22

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 7 POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 7 K⁺ ppm : 23 000

VOLUME CIRCULÉ m³ : 217 TEMPS DE CIRCULATION min (fond-surf.) : 76 TOTAL : 244

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	36	2533	271
KCL	30	1735	292
NaOH	1	196	0
SS-100	2	83	18
FLR-100 E	1	36	20
DFVIS ~~BARITE~~	1	5	10
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6600

POUVOIR HYDR. __/__

COÛT JOUR $ 15 657.

COÛT CUMUL. $ 1 434 165.

CHRONOLOGIE

FORAGE h 22¾

ALÉSAGE h

VOYAGE h

RELEVES h 1¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2565 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-11 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 65

PROFONDEUR m : 2525

PROFONDEUR HIER m : 2503

AVANCEMENT m : 22

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244,5mm à 294 m

Trépan No.	36C	37C	
Grandeur mm	216	216	
Marque	SMITH	SMITH	
Modèle	F7	F7	
Série	BE7361	BD5729	
Gicleurs mm	2x8,7 1x9,5	2x8,7 1x9,5	
Poids daN	18 000	18 000	
RPM	55	55	
Sortie m	2518		
Entrée m	2396	2518	
Avancement m	122	7	
Heures	61¼	5½	
Taux m/h	1,99	1,27	
Condition	7-4-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
15	2507
MISRUN	2500

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11,5 PE/VP : 1,62

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 9 / 19

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 13 POLYMER kg/m³ : 1,08

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 20 K⁺ ppm : 22 000

VOLUME CIRCULÉ m³ : 215 TEMPS DE CIRCULATION min (fond-surf.) : 75 TOTAL : 243

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	2497	307
KCL	30	1705	328
NaOH	3	195	0
SS-100	2	81	20
FLR-100 E	1	35	21
DFVIS ~~BARITEX~~	1	4	20
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6600

POUVOIR HYDR. /

COÛT JOUR $ 21,887.

COÛT CUMUL. $ 1,418,508.

CHRONOLOGIE

FORAGE h 14½

ALÉSAGE h

VOYAGE h 7½

RELEVES h 1½

CIRCULATION h ½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2518 m. Pris un relevé directionnel, impossible de sortir l'instrument, tiré et cassé le câble d'acier. On a laissé 2500 m de câble dans les tiges. On est sorti du trou, récupéré l'outil de prises de déviation coincé dans la mass-tige monnel, changé le "no-go ring", remplacé la longue masse-tige par 2 masses-tiges courtes et 1 stabilisateur. Remplacé les couteaux SR3 et le jar hydraulique et foré jusqu'à 2525m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-10 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 64

PROFONDEUR m : 2503

PROFONDEUR HIER m : 2456

AVANCEMENT m : 47

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	36C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F7		
Série	BE7361		
Gicleurs mm	2x8,7 1x9,5		
Poids daN	18000		
RPM	55		
Sortie m			
Entrée m	2396		
Avancement m	107		
Heures	52¼		
Taux m/h	2,05		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
15	2479

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 1,76

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 11 / 22

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 1,37

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 24 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 215 TEMPS DE CIRCULATION min (fond-surf.) : 74 TOTAL : 247

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	20		
KCL	30		
NaOH	5		
SS-100	2		
FLR-100 E	2		
BARITE			
Scale inh.	15 litres		
Scaveng.	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 16,332.

COÛT CUMUL. $ 1,396,621.

CHRONOLOGIE

FORAGE h 23½

ALÉSAGE h

VOYAGE h

RELEVES h ½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2503 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-09 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 63

PROFONDEUR m : 2456

PROFONDEUR HIER m : 2409

AVANCEMENT m : 47

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	36C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F7		
Série	BE7361		
Gicleurs mm	2x8,7 ~~1x9,5~~		
Poids daN	18 000		
RPM	55		
Sortie m			
Entrée m	2396		
Avancement m	60		
Heures	28¾		
Taux m/h	2,09		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
13½	2421
14	2450

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 1,76

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 11/22

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 1,23

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 23 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 213 TEMPS DE CIRCULATION min (fond-surf.) : 73 TOTAL : 240

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	22		
KCL	27		
NaOH	4		
SS-100	2		
FLR-100 E	1		
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 15,561.

COÛT CUMUL. $ 1,380,289.

CHRONOLOGIE

FORAGE h 23

ALÉSAGE h

VOYAGE h

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2456 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-08 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 62

PROFONDEUR m : 2409

PROFONDEUR HIER m : 2379

AVANCEMENT m : 30

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244,5mm à 294 m

Trépan No.	35C	36C	
Grandeur mm	216	216	
Marque	H.W.	SMITH	
Modèle	RG7XJ	F7	
Série	FM457	BE7361	
Gicleurs mm	3x8,7	2x8,7 1x9,5	
Poids daN	18 000	18 000	
RPM	55	55	
Sortie m	2396		
Entrée m	2345	2396	
Avancement m	51	13	
Heures	32¾	5¾	
Taux m/h	1,56	2,26	
Condition	7-3-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
13½	2396

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 1,76

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 11 / 22

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 1,08

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 20 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 211 TEMPS DE CIRCULATION min (fond-surf.) : 72 TOTAL : 235

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	19	2455	349
KCL	25	1618	415
NaOH	3	183	12
SS-100	2	75	26
FLR-100 E	2	31	25
BARITE			
Scale inh	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6500

POUVOIR HYDR. /

COÛT JOUR $ 22,242.

COÛT CUMUL.$ 1,364,728

CHRONOLOGIE

FORAGE h 17½

ALÉSAGE h

VOYAGE h 5¾

RELEVES h ¼

CIRCULATION h

ENTRETIEN h cut line: ½

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2396 m. Changé le trépan et les couteaux du SR3 et foré jusqu'à 2409 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NC

DATE : 1981-05-07 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 61

PROFONDEUR m : 2379

PROFONDEUR HIER m : 2345

AVANCEMENT m : 34

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	35C		
Grandeur mm	216		
Marque	H.W.		
Modèle	RG7XJ		
Série	FM457		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	55		
Sortie m			
Entrée m	2345		
Avancement m	34		
Heures	21		
Taux m/h	1,62		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
13	2375

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 4,31

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 5 GEL Pa : 9 / 17

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 22 POLYMER kg/m³ : 1,31

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 25 K⁺ ppm : 18 000

VOLUME CIRCULÉ m³ : 210 TEMPS DE CIRCULATION min (fond-surf.) : 71 TOTAL : 237

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	22	2436	368
KCL	20	1593	440
NaOH	4	180	15
SS-100	2	73	28
FLR-100 E	1	29	27
BARITE			
Scale inh.	15 litres		
Scavenger	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 15,812.

COÛT CUMUL. $ 1,342,481.

CHRONOLOGIE

FORAGE h 21

ALÉSAGE h

VOYAGE h 2¼

RELEVES h ½

CIRCULATION h ¼

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Entré avec un nouveau trépan, foré jusqu'à 2379 m. Vérifié le "kelly cock" OK.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-06 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 60

PROFONDEUR m : 2345

PROFONDEUR HIER m : 2316

AVANCEMENT m : 29

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.5mm à 294 m

Trépan No.	34C	35C	
Grandeur mm	216	216	
Marque	SECURITY	H.W.	
Modèle	M89TF	RG7XJ	
Série	947957		
Gicleurs mm	3x8,7	3x8,7	
Poids daN	18000		
RPM	55		
Sortie m	2345		
Entrée m	2261		
Avancement m	84		
Heures	48½		
Taux m/h	1,73		
Condition	7-7-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
12	2328
12½	2345

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100

VISCOSITÉ s/ℓ : 75

pH : 11.5

PE/VP : 1,76

DENSITÉ kg/m³ : 1060

VISC. PLASTIQUE mPa·s : 9

GEL Pa : 11/22

GRADIENT kPa/m : 10,40

POINT D'ÉCOUL. Pa : 16

POLYMER kg/m³ : 1,60

VITESSE ANNULAIRE m/min : 34

PERTE D'EAU cm³ : 18

K⁺ ppm : 22 000

VOLUME CIRCULÉ m³ : 209

TEMPS DE CIRCULATION min (fond-surf.) : 70 TOTAL : 236

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	12	2414	390
KCL	20	1573	460
NaOH	2	176	19
SS-100	1	71	30
FLR-100 E	1	28	28
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7 500

POUVOIR HYDR. /

COÛT JOUR $ 18,572.

COÛT CUMUL.$ 1,326,669.

CHRONOLOGIE

FORAGE h 19½

ALÉSAGE h

VOYAGE h 3½

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2345 m. Sorti du trou, entré avec un nouveau trépan.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-05 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 59

PROFONDEUR m : 2316

PROFONDEUR HIER m : 2271

AVANCEMENT m : 45

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	34C		
Grandeur mm	216		
Marque	SECURITY		
Modèle	M89TF		
Série	947957		
Gicleurs mm	3x8,7		
Poids daN	18000		
RPM	55		
Sortie m	----		
Entrée m	2261		
Avancement m	55		
Heures	29		
Taux m/h	1,90		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
12	2291

PROPRIÉTES DE LA BOUE

TYPE : Gel KCL SS-100 VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 1,76

DENSITÉ kg/m³ : 1065 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 11/22

GRADIENT kPa/m : 10,45 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 1,71

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 20 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 208 TEMPS DE CIRCULATION min (fond-surf.) : 69 TOTAL : 235

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	22	2402	402
KCL	19	1553	480
NaOH	5	174	21
SS-100	2	70	31
FLR-100 E	0	27	29
DEVIS BARITE	1	3	21
Scale inh.	15 litres		
Scavenger	1		
Oil rig	2.		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7600

POUVOIR HYDR. __/__

COÛT JOUR $ 15,625.

COÛT CUMUL.$ 1,308,097

CHRONOLOGIE

FORAGE h 23½

ALÉSAGE h

VOYAGE h

RELEVES h ½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2316m. Pression de la pompe à 60cpm de 3200 kPa. Rencontre d'informations sur la sécurité et éruption de gaz.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-05-04 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 5

PROFONDEUR m : 2271

PROFONDEUR HIER m : 2237

AVANCEMENT m : 34

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244,5mm à 294 m

Trépan No.	33C	34C	
Grandeur mm	216	216	
Marque	H.W.	SECURITY	
Modèle	J55	M89TF	
Série	58277	947957	
Gicleurs mm	3x8,7	3x8,7	
Poids daN	16000	16000	
RPM	55	55	
Sortie m	2261	---	
Entrée m	2208	2261	
Avancement m	53	10	
Heures	24½	5½	
Taux m/h	2,16	1,82	
Condition	3-2-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
11	2271

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 1,13

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 6/12

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 9 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 20 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 207 TEMPS DE CIRCULATION min (fond-surf.) : 68 TOTAL : 233

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	5	2380	424
KCL	20	1534	499
NaOH	1	169	26
SS-100	2	68	33
FLR-100 E	2	27	39
BARITE			
Scale inh.	15 litres		
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6500

POUVOIR HYDR. /

COÛT JOUR $ 19,132

COÛT CUMUL. $ 1,292,472.

CHRONOLOGIE

FORAGE h 16¼

ALÉSAGE h

VOYAGE h 5½

RELEVES h 2

CIRCULATION h ¼

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2261m, pris 1 relevé de déviation directionnel. On a sorti seulement la partie supérieure de la sonde de prise de déviation. On a sorti du trou et retrouvé la partie "Top landing nipple" dans le monnel et l'outil au-dessus du trépan. On a rentré avec un nouveau trépan et foré jusqu'à 2271 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-03 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 57

PROFONDEUR m : 2237

PROFONDEUR HIER m : 2204

AVANCEMENT m : 33

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	32C	33C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J55	J55	
Série	62076	58277	
Gicleurs mm	3x8,7	3x8,7	
Poids daN	20/18000	18/16000	
RPM	55/60	60	
Sortie m	2208	---	
Entrée m	2080	2208	
Avancement m	128	29	
Heures	64½	13¾	
Taux m/h	1,98	2,11	
Condition	6-4-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
9½	2208
10½	2233

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 2,18

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 15 / 19

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 27 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 206 TEMPS DE CIRCULATION min (fond-surf.) : 67 TOTAL : 232

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	8		
KCL	20		
NaOH	3		
SS-100	1		
FLR-100 E	1		
BARITE			
Scale inh.	15 litres		
Scayeng.	1		
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6500

POUVOIR HYDR. /

COÛT JOUR $ 19,402.

COÛT CUMUL. $ 1,273,340.

CHRONOLOGIE

FORAGE h 17¼

ALÉSAGE h

VOYAGE h 4½

RELEVES h 1

CIRCULATION h ¼

ENTRETIEN h 1

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2208 m. Changé le trépan et entré forer jusqu'à 2237 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-02 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 56

PROFONDEUR m : 2204

PROFONDEUR HIER m : 2164

AVANCEMENT m : 40

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	32C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J55		
Série	62076		
Gicleurs mm	3x8,7		
Poids daN	18000/20000		
RPM	65 à 60		
Sortie m	---		
Entrée m	2080		
Avancement m	124		
Heures	61		
Taux m/h	2,03		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
9	2167
9¼	2195

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 2,18

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 15 / 19

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m³ : 1,31

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 25 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 204 TEMPS DE CIRCULATION min (fond-surf.) : 66 TOTAL : 231

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	8		
KCL	20		
NaOH	2		
SS-100	1		
FLR-100 E	1		
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7300

POUVOIR HYDR. /

COÛT JOUR $ 15,402.

COÛT CUMUL. $ 1 253,938.

CHRONOLOGIE

FORAGE h 23

ALÉSAGE h

VOYAGE h

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2204 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-05-01 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 55

PROFONDEUR m : 2164

PROFONDEUR HIER m : 2113

AVANCEMENT m : 51

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m,

Trépan No.	32C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J55		
Série	62076		
Gicleurs mm	3x8,7		
Poids daN	18 000		
RPM	60		
Sortie m	---		
Entrée m	2080		
Avancement m	84		
Heures	38		
Taux m/h	2,21		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
8¾	2139

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 2,50

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 14 / 20

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 1,43

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 22 K⁺ ppm : 24 000

VOLUME CIRCULÉ m³ : 203 TEMPS DE CIRCULATION min (fond-surf.) : 64 TOTAL : 229

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	22	2359	435
KCL	30	1274	559
NaOH	4	163	32
SS-100	1	64	37
FLR-100 E	2	23	43
BARITE			
Scale inh	~~15 litres~~		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7000

POUVOIR HYDR. /

COÛT JOUR $ 15,982.

COÛT CUMUL. $ 1 238,536.

CHRONOLOGIE

FORAGE h 22½

ALÉSAGE h

VOYAGE h

RELEVES h ½

CIRCULATION h 1

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2164 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-30 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 54

PROFONDEUR m : 2113

PROFONDEUR HIER m : 2078

AVANCEMENT m : 35

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	31C	32C	
Grandeur mm	216	216	
Marque	SMITH	H.W.	
Modèle	F3	J55	
Série	BH1854	62076	
Gicleurs mm	1x9,5 2x8,7	3x8,7	
Poids daN	14000	14000	
RPM	60	60	
Sortie m	2080	----	
Entrée m	1954	2080	
Avancement m	126	33	
Heures	62	15½	
Taux m/h	2,03	2,13	
Condition	7-7-o 20mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
8	2058 N57E
9	2080
8¾	2111

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 1,76

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 12/18

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 1,88

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 27 K⁺ ppm : 16,000

VOLUME CIRCULÉ m³ : 201 TEMPS DE CIRCULATION min (fond-surf.) : 63 TOTAL : 227

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	23	2337	457
KCL	10	1244	589
NaOH	3	159	36
SS-100	1	63	38
FLR-100 E	1	21	45
BARITE			
Scale inh.	15 litres		
Scavenger	1 baril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 7000

POUVOIR HYDR. __/__

COÛT JOUR $ 22,232

COÛT CUMUL. $ 1,222,554

CHRONOLOGIE

FORAGE h 16½

ALÉSAGE h ½

VOYAGE h 5½

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2080 m. Changé le trépan et les couteaux du SR3. Le trépan usagé est "undergage" de 2 cm. Entré et alésé de 2070 à 2080 m et foré jusqu'à 2113 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-29 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 53

PROFONDEUR m : 2078

PROFONDEUR HIER m : 2042

AVANCEMENT m : 36

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	31C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BH1854		
Gicleurs mm	1x9,5 2x8,7		
Poids daN	14000		
RPM	60		
Sortie m	----		
Entrée m	1954		
Avancement m	124		
Heures	61		
Taux m/h	2,03		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
8½	2055

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 68 pH : 11.5 PE/VP : 2,18

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 15 / 19

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 27 K⁺ ppm : 17000

VOLUME CIRCULÉ m³ : 200 TEMPS DE CIRCULATION min (fond-surf.) : 62 TOTAL : 226

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	2314	480
KCL	30	1234	599
NaOH	2	156	39
SS-100	1	62	39
FLR-100 E	1	20	46
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6000

POUVOIR HYDR. /

COÛT JOUR $ 15,372.

COÛT CUMUL. $ 1 200,322.

CHRONOLOGIE

FORAGE h 23½

ALÉSAGE h

VOYAGE h

RELEVES h ½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2078 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-28 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 52

PROFONDEUR m : 2042

PROFONDEUR HIER m : 1989

AVANCEMENT m : 53

FORMATION : Griffon Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	31C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BH1854		
Gicleurs mm	1x9,5 2x8,7		
Poids daN	18000/16000		
RPM	60		
Sortie m	----		
Entrée m	1954		
Avancement m	88		
Heures	37½		
Taux m/h	2,35		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
6	1983 N67E
7	2008
8	2036

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 2,56

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 14/19

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 1,65

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 25 K⁺ ppm : 15 000

VOLUME CIRCULÉ m³ : 199 TEMPS DE CIRCULATION min (fond-surf.) : 61 TOTAL : 25

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	37	2314	480
KCL	20	1204	629
NaOH	5	154	41
SS-100	2	61	40
FLR-100 E	1	19	47
BARITE			
Sacle inh.	15 litres		
Scavenger	1		
~~Oil rig~~	~~2~~		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 5800

POUVOIR HYDR. __/__

COÛT JOUR $ 17,332.

COÛT CUMUL. $ 1 184,950.

CHRONOLOGIE

FORAGE h 22½

ALÉSAGE h

VOYAGE h

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 2042 m.

Note: Rencontre de sécurité

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

DATE : 1981-04-27 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 51

PROFONDEUR m : 1989

PROFONDEUR HIER m : 1948

AVANCEMENT m : 41

FORMATION : Griffon Cove?

ACTIVITÉ COURANTE Forage

COFFRAGE : 244 mm - 294 m

Trépan No.	30C	31C	
Grandeur mm	216	216	
Marque	HW	Smith	
Modèle	J33	F3	
Série	71145	BH 1854	
Gicleurs mm	2 X 9.5 1 X 8.7	1 X 9.5 2 X 8.7	
Poids daN	17 000	18 000	
RPM	65	60	
Sortie m	1954	---	
Entrée m	1658	1954	
Avancement m	296	35	
Heures	110 3/4	15	
Taux m/h	2,67	233	
Condition	6-3-1	Forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5 1/2	1950
6	1980

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 2.56

DENSITÉ kg/m³ : 1055 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 14 / 19

GRADIENT kPa/m : 10,35 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 0,94

VITESSE ANNULAIRE m/min : 34 PERTE D'EAU cm³ : 25 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 197 TEMPS DE CIRCULATION min (fond-surf.) : 59 TOTAL 123

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	20	2277	517
KCL	25	1184	649
NaOH	3	159	46
SS-100	1	59	42
FLR-100 E	1	18	48
BARITE			
Scale	15		

DONNEES HYDRAULIQUES

POMPE No. 1

DIM. mm 127 X 216

CPM 120

DÉBIT ℓ/min 900

PRESSION kPa 6 000

POUVOIR HYDR. /

COÛT JOUR $ 18872

COÛT CUMUL. $ 1 167 618

CHRONOLOGIE

Cable 1/2

FORAGE h 16 3/4

ALÉSAGE h

VOYAGE h 5 1/4

RELEVES h 1

CIRCULATION h 1/2

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1954 m. Sorti les tiges. Changé la masse-tige carrée, un stabilisateur et trépan. Entré et foré jusqu'à 1989 mètres.

Vérifié BOP. OK.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

DATE : 1981-04-26 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 50

PROFONDEUR m : 1948

PROFONDEUR HIER m : 1889

AVANCEMENT m : 57

FORMATION : Roncelles et West Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244 mm à 294 m

Trépan No.	30C		
Grandeur mm	216		
Marque	HW		
Modèle	J33		
Série	71145		
Gicleurs mm	2 X 9.5 1 X 8.7		
Poids daN	17 000		
RPM	65		
Sortie m	---		
Entrée m	1658		
Avancement m	290		
Heures	109		
Taux m/h	2,66		
Condition	Forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5 1/4	1893
5 1/4	1896 N68E
5	1921

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl

VISCOSITÉ s/ℓ : 68

pH : 11.5

PE/VP : 2.22

DENSITÉ kg/m³ : 1000

VISC. PLASTIQUE mPa·s : 9

GEL Pa : 14 / 19

GRADIENT kPa/m : 10,40

POINT D'ÉCOUL. Pa : 20

POLYMER kg/m³ : 0,71

VITESSE ANNULAIRE m/min : 34

PERTE D'EAU cm³ : 25

K⁺ ppm : 15 000

VOLUME CIRCULÉ m³ : 196

TEMPS DE CIRCULATION min (fond-surf.) : 58

TOTAL : 221

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	32	2257	537
KCL	15	1169	674
NaOH	3	156	49
SS-100	1	58	43
FLR-100 E	1	17	49
BARITE			
Scale	15 C		
Scavenger	1 B		

DONNEES HYDRAULIQUES

POMPE No. 1

DIM. mm 127 X 216

CPM 120

DÉBIT ℓ/min 900

PRESSION kPa 5700

POUVOIR HYDR. /

COÛT JOUR $ 15 907

COÛT CUMUL. $ 1 148 746

CHRONOLOGIE

FORAGE h 22 1/2

ALÉSAGE h

VOYAGE h

RELEVES h 1 1/2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1948 mètres.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO 1

DATE : 1981-04-25 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 49

PROFONDEUR m : 1889

PROFONDEUR HIER m : 1833

AVANCEMENT m : 56

FORMATION : Roncelles

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244 mm à 294 m

Trépan No.	30C		
Grandeur mm	216		
Marque	HW		
Modèle	J33		
Série	71145		
Gicleurs mm	2 X 9.5 1 X 8.7		
Poids daN	14 000		
RPM	65		
Sortie m	---		
Entrée m	1658		
Avancement m	231		
Heures	86 1/2		
Taux m/h	2,67		
Condition	Forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5 1/2	1830 N75E
5 1/2	1836
5	1864

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl;

VISCOSITÉ s/ℓ : 60

pH : 11.5

PE/VP : 2.25

DENSITÉ kg/m³ : 1060

VISC. PLASTIQUE mPa·s : 8

GEL Pa : 11 / 18

GRADIENT kPa/m : 10,40

POINT D'ÉCOUL. Pa : 18

POLYMER kg/m³ : 1.00

VITESSE ANNULAIRE m/min : 34

PERTE D'EAU cm³ : 23

K⁺ ppm : 18 000

VOLUME CIRCULÉ m³ : 194

TEMPS DE CIRCULATION min (fond-surf.) : 56 TOTAL : 219

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	9	2225	569
KCL	20	1154	689
NaOH	2	153	52
SS-100	1	57	44
FLR-100 E	1	16	50
BARITE			
Scale	15		
Scavenger	1		

DONNEES HYDRAULIQUES

POMPE No. 1

DIM. mm 127 X 216

CPM 120

DÉBIT ℓ/min 886

PRESSION kPa 6400

POUVOIR HYDR. /

COÛT JOUR $ 16 742

COÛT CUMUL. $ 1 132 839

CHRONOLOGIE

FORAGE h 22 1/2

ALÉSAGE h

VOYAGE h

RELEVES h 1 1/2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1889 mètres.

Huile: 3 barils.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-24 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 48

PROFONDEUR m : 1833

PROFONDEUR HIER m : 1769

AVANCEMENT m : 64

FORMATION : Indian Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	30C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71145		
Gicleurs mm	9,5x9,5 8,7		
Poids daN	14000		
RPM	65		
Sortie m			
Entrée m	1658		
Avancement m	175		
Heures	64		
Taux m/h	2,73		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5	1773 N78E
5	1789
5½	1817

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 10,5 PE/VP : 2,71

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 16 / 18

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,25

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 25 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 189 TEMPS DE CIRCULATION min (fond-surf.) : 52 TOTAL : 213

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	30	2216	333
KCL	16	1134	469
NaOH	4	151	0
SS-100	1	56	24
FLR-100 E	1	15	51
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5700

POUVOIR HYDR. / /

COÛT JOUR $ 16,114.

COÛT CUMUL. $ 1 116,107

CHRONOLOGIE

FORAGE h 22

ALÉSAGE h

VOYAGE h

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1833 m.

Note: 50cpm : 2200 kPa

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-23 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 47

PROFONDEUR m : 1769

PROFONDEUR HIER m : 1703

AVANCEMENT m : 66

FORMATION : Indian Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	30C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71145		
Gicleurs mm	9,5x9,5 8,7		
Poids daN	14000		
RPM	65		
Sortie m			
Entrée m	1658		
Avancement m	111		
Heures	42		
Taux m/h	2,64		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1698 N80E
4 1/8	1714
4 1/8	1733
4 1/2	1769

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 2,12

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 12/16

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 1,5 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 30 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 187 TEMPS DE CIRCULATION min (fond-surf.) : 50 TOTAL : 213

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	28	1186	363
KCL	15	1118	485
NaOH	5	147	2
SS-100	---	----	----
FLR-100 E	1	14	52
BARITE			
Scale inh.	15 litres		
Oil rig	3		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5300

POUVOIR HYDR. /

COÛT JOUR $ 19,307.

COÛT CUMUL. $ 1 099,993

CHRONOLOGIE

FORAGE h 22¼

ALÉSAGE h

VOYAGE h

RELEVES h 1¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1769 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-22 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 46

PROFONDEUR m : 1703

PROFONDEUR HIER m : 1658

AVANCEMENT m : 45

FORMATION : Indian Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	30C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71145		
Gicleurs mm	9,5x9,5 8,7		
Poids daN	12 000		
RPM	65		
Sortie m			
Entrée m	1658		
Avancement m	45		
Heures	19¾		
Taux m/h	2,28		
Condition	drilling		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3¼	1650 N84E
3¾	1666
3¾	1675
3¾	1685
3 7/8	1695

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 2

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 9 GEL Pa : 14 / 18

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 26 K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 186 TEMPS DE CIRCULATION min (fond-surf.) : 49 TOTAL : 210

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	9	1158	391
KCL	20	1103	510
NaOH	2	142	7
SS-100	1	55	25
FLR-100 E	1	13	53
BARITE			
Scale inh.	15 liters		
Scavenger	1 barrel		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5600

POUVOIR HYDR. /

COÛT JOUR $ 16,232.

COÛT CUMUL. $ 1 080 686

CHRONOLOGIE

FORAGE h 19¾

ALÉSAGE h ½

VOYAGE h ¾

RELEVES h 3

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Entré, alésé 4 m, foré jusqu'à 1703 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

DATE : 1981-04-21 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 45

PROFONDEUR m : 1658

PROFONDEUR HIER m : 1623

AVANCEMENT m : 35

FORMATION : Indian Point?

ACTIVITÉ COURANTE : voyage

COFFRAGE : 244.5mm à 294 m

Trépan No.	RR29C	30C	
Grandeur mm	216	216	
Marque	SMITH	H.W.	
Modèle	F3	J33	
Série	BJ6378	71145	
Gicleurs mm	9x5,9,5 8,7		
Poids daN	10 000		
RPM	65		
Sortie m	1658		
Entrée m	1513		
Avancement m	145(173)		
Heures	85(103½)		
Taux m/h	1,67		
Condition	7-7-o 6mm		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3¼	1629
3¼	1638
3¼	1648
3½	1658

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11,5 PE/VP : 1,5

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 12 GEL Pa : 16 / 20

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,30

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 22 K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 185 TEMPS DE CIRCULATION min (fond-surf.) : 48 TOTAL : 209

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL		1149	400
KCL	20	1083	530
NaOH	4	140	9
SS-100	0	54	26
FLR-100 E	1	12	54
BARITE			
Scale in.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5200

POUVOIR HYDR. / /

COÛT JOUR $ 18,522.

COÛT CUMUL. $ 1,064,474

CHRONOLOGIE

FORAGE h 18

ALÉSAGE h

VOYAGE h 4

RELEVES h 4

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1658 m. Sorti du trou, changé les couteaux du SR3, entré avec la masse-tige monnel.

(Vérifié les BOP: ok. (K^+ appx . 600 ppm maximum)

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-20 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 44

PROFONDEUR m : 1623

PROFONDEUR HIER m : 1588

AVANCEMENT m : 35

FORMATION : Indian Point?

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	RR29C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BJ6378		
Gicleurs mm	9,5x9,5 8,7		
Poids daN	10 000		
RPM	65		
Sortie m	----		
Entrée m	1513		
Avancement m	110(138)		
Heures	67(85.5)		
Taux m/h	1,61		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3	1591
2¾	1600
3	1609
3	1619

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 1,5

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 12 GEL Pa : 16 / 20

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,40

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 25 K⁺ ppm : 15 000

VOLUME CIRCULÉ m³ : 184 TEMPS DE CIRCULATION min (fond-surf.) : 47 TOTAL : 207

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	20	1149	471
KCL	20	1063	478
NaOH	4	136	16
SS-100	1	54	53
FLR-100 E	1	11	55
BARITE			
Scale inh.	15 litres		
Scaven.	1 baril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5006

POUVOIR HYDR. / /

COÛT JOUR $ 16,322.

COÛT CUMUL. $ 1 045,932

CHRONOLOGIE

FORAGE h 21¾

ALÉSAGE h

VOYAGE h

RELEVES h 2¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1623 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

DATE : 1981-04-19 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 43

PROFONDEUR m : 1588

PROFONDEUR HIER m : 1556

AVANCEMENT m : 32

FORMATION : Forillon

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	RR29C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BJ6378		
Gicleurs mm	9x5x9,5 8,7		
Poids daN	8000		
RPM	65		
Sortie m	----		
Entrée m	1513		
Avancement m	75(103)		
Heures	45¼ (63¾)		
Taux m/h	1,66		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3	1563
3	1572
3	1581

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 1,5

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 12 GEL Pa : 16/20

GRADIENT kPa/m : 10,20 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,20

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm³ : 27 K⁺ ppm : 17 000

VOLUME CIRCULÉ m³ : 182 TEMPS DE CIRCULATION min (fond-surf.) : 46 TOTAL : 205

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	15	1129	491
KCL	30	1043	498
NaOH	2	132	20
SS-100	1	53	54
FLR-100 E			
BARITE			
Scale inh.	15 litres		
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5300

POUVOIR HYDR. /

COÛT JOUR $ 15,642.

COÛT CUMUL. $ 1 029,610

CHRONOLOGIE

FORAGE h 22½

ALÉSAGE h

VOYAGE h

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1588 m. A 60cpm, la pression est de 2400 kPa

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

DATE : 1981-04-18 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 42

PROFONDEUR m : 1556

PROFONDEUR HIER m : 1513

AVANCEMENT m : 43

FORMATION : forillon

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.5mm à 294 m

Trépan No.	RR29C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BJ6378		
Gicleurs mm	9.5x9.5 8x7		
Poids daN	8000		
RPM	65		
Sortie m	---		
Entrée m	1513		
Avancement m	43 (71)		
Heures	22¾ (41¼)		
Taux m/h	1,89		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2¼	1524
2½	1543

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100

VISCOSITÉ s/ℓ : 70

pH : 11.5

PE/VP : 1,5

DENSITÉ kg/m³ : 1050

VISC. PLASTIQUE mPa·s : 12

GEL Pa : 16 / 20

GRADIENT kPa/m : 10,30

POINT D'ÉCOUL. Pa : 18

POLYMER kg/m³ : 0,86

VITESSE ANNULAIRE m/min : 35

PERTE D'EAU cm³ : 25

K⁺ ppm : 13,200

VOLUME CIRCULÉ m³ : 181

TEMPS DE CIRCULATION min (fond-surf.) : 45 TOTAL : 205

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	38	1114	506
KCL	10	1013	528
NaOH	2	130	22
SS-100			
FLR-100 E	1	10	56
BARITE			
Scale inh.	15 litres		
Scavenger	1 baril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 885

PRESSION kPa 5400

POUVOIR HYDR. / /

COÛT JOUR $ 16,102.

COÛT CUMUL. $ 1013,968

CHRONOLOGIE

FORAGE h 22¾

ALÉSAGE h

VOYAGE h

RELEVES h 1¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1556 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-17 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 41

PROFONDEUR m : 1513

PROFONDEUR HIER m : 1490

AVANCEMENT m : 23

FORMATION : Forillon

ACTIVITÉ COURANTE : alésage

COFFRAGE : 244.5mm à 294 m

Trépan No.	28C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BH3787		
Gicleurs mm	----		
Poids daN	4000		
RPM	350		
Sortie m	1513		
Entrée m	1481		
Avancement m	32		
Heures	19½		
Taux m/h	1,64		
Condition	5-3-o 1mm		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1487
3¼	1496S75E

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 67 pH : 11.5 PE/VP : 2,2

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 16 / 20

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 15 POLYMER kg/m³ : 1,71

VITESSE ANNULAIRE m/min : 44 PERTE D'EAU cm³ : 22 K⁺ ppm : 22,600

VOLUME CIRCULÉ m³ : 180 TEMPS DE CIRCULATION min (fond-surf.) : 34 TOTAL : 169

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	976	544
KCL	20	1103	538
NaOH	2	128	24
SS-100			
FLR-100 E	1	9	57
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 145

DÉBIT ℓ/min 1130

PRESSION kPa 3500

POUVOIR HYDR. /

COÛT JOUR $ 16,202

COÛT CUMUL. $ 997,866

CHRONOLOGIE

FORAGE h 13¼

ALÉSAGE h 3½

VOYAGE h 4¾

RELEVES h 1½

CIRCULATION h

ENTRETIEN h 1

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré directionnel jusqu'à 1513 m. Sorti du trou, entré avec un assemblage conventionnel de forage et alésé de 1481 à 1513 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE NORD NO

DATE : 1981-04-16 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 40

PROFONDEUR m : 1490

PROFONDEUR HIER m : 1465

AVANCEMENT m : 25

FORMATION : Forillon

ACTIVITÉ COURANTE : Forage

COFFRAGE :

Trépan No.	27C	28C	
Grandeur mm	216	216	
Marque	Smith	Smith	
Modèle	F3	F3	
Série	BF 0040	BH 3787	
Gicleurs mm	2 x 5.5 1 x 8.7	---	
Poids daN	10 000	4 000	
RPM	65	350	
Sortie m	1 481	---	
Entrée m	1 465	1 481	
Avancement m	16	9	
Heures	10	6 1/4	
Taux m/h	1,60	1,44	
Condition	2-1-1	Forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4 1/8	1478

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl; VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 1.5

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 12.1 GEL Pa : 16 / 20

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,37

VITESSE ANNULAIRE m/min : 44 PERTE D'EAU cm³ : 25 K⁺ ppm : 23 000

VOLUME CIRCULÉ m³ : 179 TEMPS DE CIRCULATION min (fond-surf.) : 34 TOTAL : 150

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	18	976	544
KCL	20	1083	558
NaOH	4	126	26
SS-100	1	52	55
FLR-100 E	--	8	58
~~BARITE~~			
Scale DF-VIS	--	2	22

DONNEES HYDRAULIQUES

POMPE No. 1

DIM. mm 127 x 216

CPM 145

DÉBIT ℓ/min 1130

PRESSION kPa 3500

POUVOIR HYDR. /

COÛT JOUR $ 23 992

COÛT CUMUL. $ 981 664

CHRONOLOGIE

FORAGE h 16 1/4

ALÉSAGE h 3/4

VOYAGE h 5

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1481 m. Réentré avec dynadrill et Bent sub et foré jusqu'à 1490 mètres.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 15 avril 1981 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 39

PROFONDEUR m : 1465

PROFONDEUR HIER m : 1460

AVANCEMENT m : 5

FORMATION : Forillon

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5mm - 294 m

Trépan No.	24C	25C	26C	27C
Grandeur mm	216	216	216	216
Marque	Sec	HW	HW	Smith
Modèle	S88	J44	J55	F3
Série	530942	66111	62075	BF 0040
Gicleurs mm	2.98 1x8.7	---	---	295187
Poids daN	8000	4000	4000	---
RPM	65	350	350	---
Sortie m	1460	1463	1465	---
Entrée m	1443	1460	1463	1465
Avancement m	17	3	2	---
Heures	11	5	2 ½	---
Taux m/h	1,55	.60	.80	---
Condition	5-3-2	3-3-1	3-5-1	---

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl

VISCOSITÉ s/ℓ : 62

pH : 11.5

PE/VP : 1

DENSITÉ kg/m³ : 1040

VISC. PLASTIQUE mPa·s : 10

GEL Pa : 9.6 / 12

GRADIENT kPa/m : 10,2

POINT D'ÉCOUL. Pa : 10

POLYMER kg/m³ : 1,40

VITESSE ANNULAIRE m/min : 36

PERTE D'EAU cm³ : 20

K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 180

TEMPS DE CIRCULATION min (fond-surf.) : 42

TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	0	958	562
KCL	20	1063	578
NaOH	2	122	30
SS-100	1	51	56
FLR-100 E	1	8	58
~~BARITE~~			
DF-VIS	0	2	22

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 31 942

COÛT CUMUL. $ 957 672

CHRONOLOGIE

FORAGE h 7 1/2

ALÉSAGE h 1/2

VOYAGE h 15

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Sorti les tiges. Entré avec le dynadrill et foré 3 mètres. Le dynadrill ne fonctionne plus Sorti les tiges. Changé le dynadrill. Mis en place un trépan plus dur. Entré dans le trou et foré 2 m. Sorti les tiges; enlevé le dynadrill. Mis en place l'assemblage standard. Ent dans le trou et commencé à aléser.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE NORD NO

DATE : 14 avril 1981 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 38

PROFONDEUR m : 1460

PROFONDEUR HIER m : 1439

AVANCEMENT m : 21

FORMATION : Forillon

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.5 mm - 294 m

Trépan No.	23C	24C (RR)	
Grandeur mm	216	216	
Marque	HW	Security	
Modèle	J 33	S 88	
Série	71276	530942	
Gicleurs mm	---	2.98 1 x 8.7	
Poids daN	4000	8000	
RPM	350	65	
Sortie m	1443	1460	
Entrée m	1422	1443	
Avancement m	21	17	
Heures	19-1/2	11	
Taux m/h	1,08	1,55	
Condition	8-4-4	5-3-2	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3 7/8 (N70E)	1443
4	1450

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel: KCl

VISCOSITÉ s/ℓ : 65-75

pH : 11.5

PE/VP : 1.5

DENSITÉ kg/m³ : 1060

VISC. PLASTIQUE mPa·s : 12

GEL Pa : 16.7 / 21.5

GRADIENT kPa/m : 10,4

POINT D'ÉCOUL. Pa : 18

POLYMER kg/m³ : 1.70

VITESSE ANNULAIRE m/min : 36

PERTE D'EAU cm³ : 18

K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 180

TEMPS DE CIRCULATION min (fond-surf.) : 42

TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	20	958	562
KCL	12	1043	598
NaOH	2	120	32
SS-100	1	50	57
FLR-100 E	1	7	59
~~BARITEX~~			
DF-VIS	0	2	22

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127 x 216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 5500

POUVOIR HYDR. /

COÛT JOUR $ 20 665

COÛT CUMUL. $ 962 180

CHRONOLOGIE

Cable: 1/2

FORAGE h 14 1/4

ALÉSAGE h 2 1/4

VOYAGE h 5 1/2

RELEVES h 1 1/2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré avec le dynadrill jusqu'à 1443 mètres. Sorti les tiges et entré avec l'assemblage standard. Alésé 21 mètres et foré jusqu'à 1460 mètres. Commencé à sortir les tiges pour ramener la déviation.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE NORD N

DATE : 13 avril '81 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 37

PROFONDEUR m : 1439

PROFONDEUR HIER m : 1415

AVANCEMENT m : 24

FORMATION : Forillon

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5 mm - 294 m

Trépan No.	22C	23C	
Grandeur mm	216	216	
Marque	Smith	HW	
Modèle	F2	J 33	
Série	BJ 1883	71276	
Gicleurs mm	18.7-2.95	---	
Poids daN	10-8000	4000	
RPM	65	350	
Sortie m	1422	---	
Entrée m	1338	1422	
Avancement m	65	17	
Heures	1,29	15 1/4	
Taux m/h	6-3-2 mm	1,11	
Condition		Forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4 3/4	1422

PROPRIÉTES DE LA BOUE

TYPE : SS100; Gel; KCl

VISCOSITÉ s/ℓ : 70

pH : 11

PE/VP : 1.7

DENSITÉ kg/m³ : 1050

VISC. PLASTIQUE mPa·s : 10

GEL Pa : 14.8 / 19

GRADIENT kPa/m : 10,3

POINT D'ÉCOUL. Pa : 17

POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 36

PERTE D'EAU cm³ : 22

K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 179

TEMPS DE CIRCULATION min (fond-surf.) : 41

TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	21	938	582
KCL	42	1031	610
NaOH	6	118	34
SS-100	2	49	58
FLR-100 E	1	6	60
~~BARITE~~			
DF-VIS	0	2	22

DONNEES HYDRAULIQUES

POMPE No. 1- 8P80

DIM. mm

CPM 140

DÉBIT ℓ/min 1200

PRESSION kPa 4000

POUVOIR HYDR. /

COÛT JOUR $ 23 170

COÛT CUMUL. $ 905 515

CHRONOLOGIE

FORAGE h 17 3/4

ALÉSAGE h

VOYAGE h 4 1/2

RELEVES h 1 3/4

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1422 m. Sorti les tiges. Enlevé l'assemblage standard. Mis en place le dyna drill et le Bent Sub de 1°. Entré dans le trou et foré jusqu'à 1439 mètres.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE NORD NO

DATE : 12 avril 1981 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 36

PROFONDEUR m : 1415

PROFONDEUR HIER m : 1370

AVANCEMENT m : 45

FORMATION : Forillon

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5 mm - 294 m

Trépan No.	22C		
Grandeur mm	216		
Marque	Smith		
Modèle	F2		
Série	BJ 1883		
Gicleurs mm	18.7-2.95		
Poids daN	10-8000		
RPM	65		
Sortie m	---		
Entrée m	1338		
Avancement m	77		
Heures	36 1/4		
Taux m/h	2,12		
Condition	Forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4 1/8	1376
4 1/4	1385
4 1/2	1393
4 1/2	1403
4 1/2	1413

PROPRIÉTES DE LA BOUE

TYPE : SS100, Gel, KCl

VISCOSITÉ s/ℓ : 80-60

pH : 11.0

PE/VP : 1.75

DENSITÉ kg/m³ : 1060

VISC. PLASTIQUE mPa·s : 9

GEL Pa : 14 / 16

GRADIENT kPa/m : 10,4

POINT D'ÉCOUL. Pa : 15

POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 36

PERTE D'EAU cm³ : 18

K⁺ ppm : 13000

VOLUME CIRCULÉ m³ : 178

TEMPS DE CIRCULATION min (fond-surf.) : 40

TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	22	917	603
KCL	24	989	652
NaOH	4	112	40
SS-100	2	47	60
FLR-100 E	1	5	61
~~BARITE~~			
DF-VIS	0	2	22

DONNEES HYDRAULIQUES

POMPE No. 1- 8P80

DIM. mm 127 x 216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 15830

COÛT CUMUL. $ 882 344

CHRONOLOGIE

FORAGE h 21 1/2

ALÉSAGE h

VOYAGE h

RELEVES h 2 1/2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1415 mètres.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 11 avril 1981 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 35

PROFONDEUR m : 1370

PROFONDEUR HIER m : 1338

AVANCEMENT m : 32

FORMATION : Indian Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.5 mm - 294 m

Trépan No.	21C	22C	
Grandeur mm	216	216	
Marque	Smith	Smith	
Modèle	F3	F2	
Série	BJ 7378	BJ 1883	
Gicleurs mm	---	18.7-2.95	
Poids daN	4000	10-8000	
RPM	350	65	
Sortie m	1338	---	
Entrée m	1310	1338	
Avancement m	28	32	
Heures	18 1/2	14 3/4	
Taux m/h	1,51	2,17	
Condition	3-3-I	Forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1338
4 1/8	1348
4 1/4	1357
4 1/2	1366

PROPRIÉTES DE LA BOUE

TYPE : SS100, Gel, KCl

VISCOSITÉ s/ℓ : 75 pH : 11 PE/VP : 11.1

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 10 GEL Pa : 9.6 / 13

GRADIENT kPa/m : 10.4 POINT D'ÉCOUL. Pa : 11 POLYMER kg/m³ : 0.60

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : 15 K⁺ ppm : 18 000

VOLUME CIRCULÉ m³ : 176 TEMPS DE CIRCULATION min (fond-surf.) : 38 TOTAL : ---

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	48	895	625
KCL	20	965	676
NaOH	4	108	44
SS-100	1	45	36
FLR-100 E	4	4	62
~~BARITE~~			
DF-VIS	2	2	22

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127 x 216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 21282

COÛT CUMUL. $ 866514

CHRONOLOGIE

FORAGE h 14 3/4

ALÉSAGE h 2

VOYAGE h 5 1/4

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Sorti le dynadrill. Changé le SR3, la masse-tige carrée; entré dans le trou; alésé 28 m. Foré jusqu'à 1370 m; abaissé la perte d'eau à 15 cc; augmentation de la viscosité à 200 l du forage d'un indice de gaz. Viscosité normale après une circulation complète.

Pompe no 1: 60 CPM; 1100 KPM.

Pompe no 2: 25 CPM;

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NC

DATE : 1981-09-10 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 34

PROFONDEUR m : 1338

PROFONDEUR HIER m : 1310

AVANCEMENT m : 28

FORMATION : Shiphead

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.4mm à 294 m

Trépan No.	21C		
Grandeur mm	216		
Marque	SMITH		
Modèle	F3		
Série	BJ6378		
Gicleurs mm	----		
Poids daN	4000		
RPM	350		
Sortie m	1338		
Entrée m	1310		
Avancement m	28		
Heures	18½		
Taux m/h	1,51		
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 3,08

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 19 / 24

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 21,5 POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 18 000

VOLUME CIRCULÉ m³ : 175 TEMPS DE CIRCULATION min (fond-surf.) : 37 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	34	847	673
KCL	15	945	696
NaOH	3	104	48
SS-100	1	44	37
FLR-100 E			66
DFV68			24
~~BXXXX~~			

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 140

DÉBIT ℓ/min 1275

PRESSION kPa 3000

POUVOIR HYDR. /

COÛT JOUR $ 24,882.

COÛT CUMUL. $ 845,232.

CHRONOLOGIE

câble: 1 hre

FORAGE h 18½

ALÉSAGE h

VOYAGE h 2¼

RELEVES h 2¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré avec le dynadrill et le bent sub de 1° jusqu'à 1338 m. Commencé à sortir les tiges pour mettre en place le forage standard.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-09 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 33

PROFONDEUR m : 1310

PROFONDEUR HIER m : 1272

AVANCEMENT m : 38

FORMATION : Shiphead

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	20C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71277		
Gicleurs mm	39x,5		
Poids daN	10000/8000		
RPM	65		
Sortie m	1310		
Entrée m	1189		
Avancement m	121		
Heures	63		
Taux m/h	1,92		
Condition	6-4-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1273
4 1/8	1282
4 1/4	1292
4 1/2	1301
4 ¾	1310

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 3

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 20 / 22

GRADIENT kPa/m : 10,1 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 174 TEMPS DE CIRCULATION min (fond-surf.) : 36 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	35	813	707
KCL	15	930	711
NaOH	4	101	51
SS-100	43	38	
FLB-100 E			68
DFV 68			
~~XXXXXX~~			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 4000

POUVOIR HYDR. /

COÛT JOUR $ 16,197.

COÛT CUMUL. $ 820,350

CHRONOLOGIE

FORAGE h 19

ALÉSAGE h

VOYAGE h 2½

RELEVES h 2½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1310 m. Sorti les tiges, mis en place le Dynadrill et commencé à entrer dans le trou pour corriger les déviations.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-08 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 32

PROFONDEUR m : 1272

PROFONDEUR HIER m : 1231

AVANCEMENT m : 41

FORMATION : Indian Cove & Shiphead

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	20C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71277		
Gicleurs mm	3x9,5		
Poids daN	4000à12000		
RPM	80 à 65		
Sortie m	----		
Entrée m	1189		
Avancement m	83		
Heures	44		
Taux m/h	1,89		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3 1/4	1235
3 1/2	1245
3 3/4	1254
3 3/4	1263

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11 PE/VP : 3,5

DENSITÉ kg/m³ : 1040 à 1020 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 21 / 24

GRADIENT kPa/m : 10,2 à 10 POINT D'ÉCOUL. Pa : 24.4 POLYMER kg/m³ : 1,85

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 22 000

VOLUME CIRCULÉ m³ : 172 TEMPS DE CIRCULATION min (fond-surf.) : 35 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	28	778	217
KCL	20	915	726
NaOH	3	97	55
SS-100	1	43	14
FLR-100 E			68
DFV 68			
~~BARITE~~			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 15,507.

COÛT CUMUL. $ 804,158.

CHRONOLOGIE

FORAGE h 22

ALÉSAGE h

VOYAGE h

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1272 m. Visite de M. Paul Simard, vérification du système de sécurité: extincteurs, hydrill, pipe rams, arrêt des moteurs, kelly cock: ok.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-07 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 31

PROFONDEUR m : 1231

PROFONDEUR HIER m : 1189

AVANCEMENT m : 42

FORMATION : Indian Cove

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	20C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J33		
Série	71277		
Gicleurs mm	3x9,5		
Poids daN	4000à12000		
RPM	80 à 65		
Sortie m	----		
Entrée m	1189		
Avancement m	42		
Heures	22		
Taux m/h	1,91		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3	1197
3	1207
3	1216
3 1/8	1226

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 55 à 65 pH : 11 PE/VP : 3.4

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 20 / 23

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,70

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 170 TEMPS DE CIRCULATION min (fond-surf.) : 34 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	36	750	245
KCL	15	895	746
NaOH	5	94	58
SS-100	0	43	15
FLR-100 E			68
DEV68 BARITE			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 1000

PRESSION kPa 4500

POUVOIR HYDR. / /

COÛT JOUR $ 19,627.

COÛT CUMUL. $ 88,651.

CHRONOLOGIE

FORAGE h 22

ALÉSAGE h

VOYAGE h

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Alésé et foré jusqu'à 1231 m. Augmenté graduellement le poids sur le trépan jusqu'à 12000 daN.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-06 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 30

PROFONDEUR m : 1189

PROFONDEUR HIER m : 1177

AVANCEMENT m : 12

FORMATION : Indian Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	18C	19C	
Grandeur mm	216	216	
Marque	SMITH	H.W.	
Modèle	F3	J55	
Série	BN6603	62069	
Gicleurs mm	3x9,5	----	
Poids daN	4000à5000	4000à5000	
RPM	80	350	
Sortie m	1180	1189	
Entrée m	1158	1180	
Avancement m	22	9	
Heures	16¾	11¼	
Taux m/h	1,31	0,80	
Condition	5-3-i	7-4-i	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 3,13

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 21 / 23

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 25 POLYMER kg/m³ : 2

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 26 000

VOLUME CIRCULÉ m³ : 168 TEMPS DE CIRCULATION min (fond-surf.) : 23 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	9	714	281
KCL	30	880	761
NaOH	3	89	63
SS-100	1	43	15
FLR-100 E			68
~~BARITE~~ DV68			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 1090

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 22,212.

COÛT CUMUL. $ 769,024

CHRONOLOGIE

FORAGE h 14

ALÉSAGE h 3¼

VOYAGE h 5¼

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1180 m. Sorti les tiges pour mettre en place le dynadrill afin de ramener la déviation. Entré dans le trou et foré jusqu'à 1189 m, sorti les tiges, enlevé le dynadrill et entré avec forage standard.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-04-05 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 29

PROFONDEUR m : 1177

PROFONDEUR HIER m : 1153

AVANCEMENT m : 24

FORMATION : Indian Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	17C	18C	
Grandeur mm	216	216	
Marque	H.W.	SMITH	
Modèle	J33	F3	
Série	63839	BN6603	
Gicleurs mm	----	3x9,5	
Poids daN	4000	4000à5000	
RPM	350	80	
Sortie m	1158	1180	
Entrée m	1135	1158	
Avancement m	23	22	
Heures	10½	16¾	
Taux m/h	2,19	1,31	
Condition	7-7-2mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1160
4	1169
4¼	1178

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 3,35

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 21 /23

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 1,45

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 14 000

VOLUME CIRCULÉ m³ : 168 TEMPS DE CIRCULATION min (fond-surf.) : 33 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	48	705	290
KCL	15	850	791
NaOH	3	86	66
SS-100	0	42	16
FLR-100 E			68
DV68 ~~BARITE~~			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 159x216

CPM 100

DÉBIT ℓ/min 1200

PRESSION kPa 5000

POUVOIR HYDR. /

COÛT JOUR $ 21,047.

COÛT CUMUL. $ 746,812.

CHRONOLOGIE

FORAGE h 17

ALÉSAGE h 1½

VOYAGE h 4½

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1158 m avec le dynadrill. Sorti les tiges, enlevé le dynadrill, changé la masse-tige carrée, entré dans le trou, alésé et foré jusqu'à 1177 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-04 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 28

PROFONDEUR m : 1153

PROFONDEUR HIER m : 1132

AVANCEMENT m : 21

FORMATION : York River & Indian Cove

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	15C	16C(RR10C)	17C
Grandeur mm	216	215	216
Marque	H.W.	BOART	H.W.
Modèle	JD7	TB543	J33
Série	26289	81132	63839
Gicleurs mm	----	-----	------
Poids daN	4000	4000	4000
RPM	350	350	350
Sortie m	1135	1135	---
Entrée m	1132	1135	1135
Avancement m	3	0	18
Heures	2½	18¼	7½
Taux m/h	1,20	0	2,40
Condition	8-6-1mm	bonne	forage

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5N52E	1132

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11.5 PE/VP : 2,51

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 16 / 19

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m³ : 2,27

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 24 000

VOLUME CIRCULÉ m³ : 167 TEMPS DE CIRCULATION min (fond-surf.) : 32 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	16	657	338
KCL	40	835	806
NaOH	1	83	60
SS-100	1	42	16
FLR-100 E			68
DV68 ~~[illegible]~~			24

DONNEES HYDRAULIQUES

POMPE No. N-8P80

DIM. mm 159x216

CPM 105

DÉBIT ℓ/min 1300

PRESSION kPa 3500

POUVOIR HYDR. /

COÛT JOUR $ 23,802.

COÛT CUMUL. $ 725,765.

CHRONOLOGIE

câble de forage: ½

FORAGE h 11

ALÉSAGE h 1

VOYAGE h 8½

RELEVES h 3

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Entré avec le dynadrill et trépan à dents. Foré 3 m. Sorti les tiges, trépan en très mauva état, ré-entré avec dynadrill et trépan à diamants; ne veut pas forer. Ressorti et réentré avec un trépan à boutons, foré jusqu'à 1153 m avec le "bent sub" de 1 degré.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-03 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 27

PROFONDEUR m : 1132

PROFONDEUR HIER m : 1085

AVANCEMENT m : 47

FORMATION : York River

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.4mm à 294 m

Trépan No.	14C(RR9C)		
Grandeur mm	216		
Marque	H.W.		
Modèle	J22		
Série	41497		
Gicleurs mm	3x9,5		
Poids daN	4000		
RPM	80		
Sortie m	1132		
Entrée m	1085		
Avancement m	184		
Heures	77¼		
Taux m/h	2,38		
Condition	4-3-2mm		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4½	1094
4¼	1104
4½	1123
5	1132

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 2,25

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 8 GEL Pa : 15/17

GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 166 TEMPS DE CIRCULATION min (fond-surf.) : 31 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	44	641	354
KCL	30	795	846
NaOH	4	82	70
SS-100	2	41	17
FLR-100E			68
DV68			24
~~BARITE~~			

DONNEES HYDRAULIQUES

POMPE No. N-8P80

DIM. mm 159x216

CPM 90

DÉBIT ℓ/min 1150

PRESSION kPa 6000

POUVOIR HYDR. /

COÛT JOUR $ 18,387.

COÛT CUMUL. $ 701,963.

CHRONOLOGIE

FORAGE h 19¼

ALÉSAGE h

VOYAGE h 2

RELEVES h 2¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1132 m. Commencé à sortir les tiges pour mettre en place le dynadrill pour corriger les déviations.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-02 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 26

PROFONDEUR m : 1085

PROFONDEUR HIER m : 1045

AVANCEMENT m : 40

FORMATION : York River

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	13C	14C (RR9C)	
Grandeur mm	216	216	
Marque	SMITH	H.W.	
Modèle	F4	J22	
Série	BD5379	41497	
Gicleurs mm	------	3x9,5	
Poids daN	3000/4000	4000	
RPM	350	80	
Sortie m	1045	-----	
Entrée m	1021	1045	
Avancement m	24	137	
Heures	9¼	58	
Taux m/h	2,59	2,36	
Condition	4-3-2mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4	1056
4	1066
4 1/8	1075
4 ¼	1085

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 2,74

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 17 / 19

GRADIENT kPa/m : 10,2 POINT D'ÉCOUL. Pa : 17 POLYMER kg/m³ : 0,85

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 18 000

VOLUME CIRCULÉ m³ : 165 TEMPS DE CIRCULATION min (fond-surf.) : 30 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	42	597	398
KCL	24	765	876
NaOH	1	78	74
SS-100	1	39	19
FLR-100 E	0	0	68
DV68 ~~RAMTE~~			24

DONNEES HYDRAULIQUES

POMPE No. N8P80

DIM. mm 159x216

CPM 90

DÉBIT ℓ/min 1150

PRESSION kPa 6000

POUVOIR HYDR. / /

COÛT JOUR $ 14,221.

COÛT CUMUL. $ 683,576.

CHRONOLOGIE

FORAGE h 18½

ALÉSAGE h ½

VOYAGE h 3

RELEVES h 2

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Fini de sortir les tiges. Enlevé le dyna-drill. Mis en place l'assemblage standard, entré dans le trou, alésé et foré jusqu'à 1085 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-04-01 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 25

PROFONDEUR m : 1045

PROFONDEUR HIER m : 1011

AVANCEMENT m : 34

FORMATION : York River

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.4mm à 294 m

Trépan No.	11C(RR9C)	12C(RR10C)	13C
Grandeur mm	216	215	216
Marque	H.W.	BOART	SMITH
Modèle	J22	TB543	F4
Série	41497	81132	BD5379
Gicleurs mm	3x9,5	-----	-----
Poids daN	5000	4000	3000/4000
RPM	80	1000	350
Sortie m	1021	1021	1045
Entrée m	1001	1021	1021
Avancement m	97	20	24
Heures	39½	17¼	9¼
Taux m/h	2,46	1,16	2,59
Condition	2-2-1	bonne	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4¼	1018
4	1034
4	1044

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 12.5 PE/VP : 2,80

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 15 / 18

GRADIENT kPa/m : 10,1 POINT D'ÉCOUL. Pa : 19,6 POLYMER kg/m³ : 1,14

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 164 TEMPS DE CIRCULATION min (fond-surf.) : 29 TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	35	555	440
KCL	17	741	900
NaOH	2	77	75
SS-100	0	38	20
FLR-100 E			68
DV68 ~~[illegible]~~			24

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 159x216

CPM 110

DÉBIT ℓ/min 1300

PRESSION kPa 4000

POUVOIR HYDR. /

COÛT JOUR $ 21,869.

COÛT CUMUL. $ 669,355.

CHRONOLOGIE

FORAGE h 16¼

ALÉSAGE h

VOYAGE h 6¼

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1021m. Sorti les tiges, mis en place le turbo-drill, entré dans le trou ne fore pas. Sorti les tiges, enlevé le turbo-drill, mis en place le dyna-drill avec un trépa standard. Entré et foré jusqu'à 1045 m. Diminution marquée du taux de forage, commencé à sortir du trou.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-31 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 24

PROFONDEUR m : 1011

PROFONDEUR HIER m : 982

AVANCEMENT m : 29

FORMATION : York River

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	10C	11C(RR9C)	
Grandeur mm	215	216	
Marque	BOART	H.W.	
Modèle	TB593	J22	
Série	81132	41497	
Gicleurs mm	-----	3x9,5	
Poids daN	4000	5000	
RPM	appx.400	80	
Sortie m	1001	-----	
Entrée m	981	1001	
Avancement m	20	77	
Heures	16¼	33½	
Taux m/h	1,23	2,30	
Condition	bon	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5¼	1001 N51E
4	1011

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 55 pH : 11.5 PE/VP : 2,57

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 9 / 10

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,20

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm³ : K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 163 TEMPS DE CIRCULATION min (fond-surf.) : 28 TOTAL : 177

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	35	520	765
KCL	25	724	964
NaOH	2	75	82
SS-100	1	38	25
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 2-D700

DIM. mm 140x406

CPM 50

DÉBIT ℓ/min 925

PRESSION kPa 5000

POUVOIR HYDR. / /

COÛT JOUR $ 20,277.

COÛT CUMUL. $ 647,486.

CHRONOLOGIE

FORAGE h 18½

ALÉSAGE h 1

VOYAGE h 3

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

On a foré "directionnel" jusqu'à 1001. Entré forer avec l'équipement conventionnel précédent jusqu'à 1011 m (Alésé de 981 à 1001 m.)

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-30 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 23

PROFONDEUR m : 982

PROFONDEUR HIER m : 936

AVANCEMENT m : 46

FORMATION : York River

ACTIVITÉ COURANTE : Forage directionnel

COFFRAGE : 244.4mm à 294m

Trépan No.	9C	10C	
Grandeur mm	216	215	
Marque	H.W.	Boart	
Modèle	J22	TB593	
Série	41497	81132	
Gicleurs mm	3x9,5	----	
Poids daN	5000	2000	
RPM	80	appx.400	
Sortie m	981	----	
Entrée m	914	981	
Avancement m	67	1 m	
Heures	30¼	1¼	
Taux m/h	2,21	1, 0	
Condition	2-2-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
5¾	942
6	981

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 3,71

DENSITÉ kg/m³ : 1045 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 12/13

GRADIENT kPa/m : 10,25 POINT D'ÉCOUL. Pa : 26 POLYMER kg/m³ : 1,37

VITESSE ANNULAIRE m/min : 43 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 162 TEMPS DE CIRCULATION min (fond-surf.) : 23 TOTAL : 149

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	21	485	800
KCL	15	699	989
NaOH	3	73	84
SS-100	0	37	26
FLR-100 E			
BARITE			
Scale inh.	15 litres		
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 140

DÉBIT ℓ/min 1090

PRESSION kPa 4000

POUVOIR HYDR. / /

COÛT JOUR $ 37,036.

COÛT CUMUL. $ 627,209.

CHRONOLOGIE

FORAGE h 18½

ALÉSAGE h

VOYAGE h 4

RELEVES h 1½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 981 m, sorti du trou, entré l'équipement pour le forage directionnel.

Entré et foré jusqu'à 982 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-29 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 22

PROFONDEUR m : 936

PROFONDEUR HIER m : 906

AVANCEMENT m : 30

FORMATION : York River

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	8C	9C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J55	J22	
Série	46780	41497	
Gicleurs mm	10x9,5 2x9,5	3x9,5	
Poids daN	7000	5000	
RPM	70	70	
Sortie m	914	----	
Entrée m	858	914	
Avancement m	56	22	
Heures	32¼	13½	
Taux m/h	1,74	1,63	
Condition	2-1-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
6	913

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100

VISCOSITÉ s/ℓ : 65

pH : 11

PE/VP : 3,49

DENSITÉ kg/m³ : 1060

VISC. PLASTIQUE mPa·s : 7

GEL Pa : 11/10

GRADIENT kPa/m : 10,40

POINT D'ÉCOUL. Pa : 24

POLYMER kg/m³ : 1,71

VITESSE ANNULAIRE m/min : 37

PERTE D'EAU cm³ :

K⁺ ppm : 23 000

VOLUME CIRCULÉ m³ : 161

TEMPS DE CIRCULATION min (fond-surf.) : 26

TOTAL : 172

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	38	864	820
KCL	20	684	1004
NaOH	2	70	87
SS-100	1	37	26
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 6000

POUVOIR HYDR. /

COÛT JOUR $ 14,391.

COÛT CUMUL. $ 590,173.

CHRONOLOGIE

FORAGE h 20¼

ALÉSAGE h ¼

VOYAGE h 3¼

RELEVES h ¼

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 914 m. Sorti du trou, changé les couteaux du SR3. Entré et alésé 10 m.

Foré jusqu'à 936 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-28 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 21

PROFONDEUR m : 906

PROFONDEUR HIER m : 865

AVANCEMENT m : 41

FORMATION : York River

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	8C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J55		
Série	46780		
Gicleurs mm	10x9,5 2x9,5		
Poids daN	7000		
RPM	70		
Sortie m	-----		
Entrée m	858		
Avancement m	48		
Heures	25½		
Taux m/h	1,88		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4¾	867
5	885

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 3,49

DENSITÉ kg/m³ : 1060 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 11 / 10

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,43

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 21 000

VOLUME CIRCULÉ m³ : 160 TEMPS DE CIRCULATION min (fond-surf.) : 25 TOTAL : 171

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	7	826	858
KCL	30	664	1024
NaOH	4	68	89
SS-100	1	36	27
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 4200

POUVOIR HYDR. /

COÛT JOUR $ 14,220.

COÛT CUMUL. $ 575,774

CHRONOLOGIE

FORAGE h 23

ALÉSAGE h

VOYAGE h

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 906 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-27 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 20

PROFONDEUR m : 865

PROFONDEUR HIER m : 831

AVANCEMENT m : 34

FORMATION : York River

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	7C	8C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J44	J55	
Série	65115	46780	
Gicleurs mm	10x9,5 2x9,5	10x9,5 2x9,5	
Poids daN	7000/6000	6000	
RPM	75/80	75	
Sortie m	858	-----	
Entrée m	758	858	
Avancement m	100	7	
Heures	46¾	2½	
Taux m/h	2,14	2,80	
Condition	4-3-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4½	839
5½	858

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 3,49

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 11 / 10

GRADIENT kPa/m : 10,10 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,20

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 159 TEMPS DE CIRCULATION min (fond-surf.) : 24 TOTAL : 170

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	33	819	565
KCL	30	634	1054
NaOH	4	64	93
SS-100	1	35	28
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3500

POUVOIR HYDR. /

COÛT JOUR $ 19,014

COÛT CUMUL. $ 561,554

CHRONOLOGIE

FORAGE h 17½

ALÉSAGE h

VOYAGE h 4½

RELEVES h 1

CIRCULATION h

ENTRETIEN h câble: 1

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 858 m. Changé trépan et entré avec un nouvel assemblage de train-de-tiges: 1NBS modèle SR3, 1 masse-tige carrée, 1string stabilisateur neuf, 1 masse-tige, 1 stabilisateur, 3 masse-tiges, 1 stabilisateur, 14 masse-tiges, 1 jar hydraulique, 3 masse-tiges et tiges de forage . Foré jusqu'à 865 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-26 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 19

PROFONDEUR m : 831

PROFONDEUR HIER m : 784

AVANCEMENT m : 47

FORMATION : "Grès"

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	7C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J44		
Série	65115		
Gicleurs mm	10x9,5 2x9,5		
Poids daN	6000/5000		
RPM	80		
Sortie m	----		
Entrée m	758		
Avancement m	73		
Heures	31¾		
Taux m/h	2,30		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4 1/8	801
4 1/2	829

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 3,49

DENSITÉ kg/m³ : 1035 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 11 / 10

GRADIENT kPa/m : 10,15 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,37

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 157 TEMPS DE CIRCULATION min (fond-surf.) : 23 TOTAL : 168

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	31	786	598
KCL	31	604	1084
NaOH	3	60	97
SS-100	1	34	29
FLR-100 E			
BARITE			
Scale inh.	15 litres		
Scavenger	1 baril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3200

POUVOIR HYDR. /

COÛT JOUR $ 14,722.

COÛT CUMUL. $ 542,540.

CHRONOLOGIE

FORAGE h 23

ALÉSAGE h

VOYAGE h

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 831 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-25 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 18

PROFONDEUR m : 784

PROFONDEUR HIER m : 740

AVANCEMENT m : 44

FORMATION :

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	6C	7C	
Grandeur mm	216	216	
Marque	REED	H.W.	
Modèle	S21G	J44	
Série	931104	66115	
Gicleurs mm	3x9,5	10x9,5 2x9,5	
Poids daN	5000	5000	
RPM	80	75	
Sortie m	758	------	
Entrée m	696	758	
Avancement m	62	26	
Heures	29	8¾	
Taux m/h	2,14	2,97	
Condition	5-3-o 4mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
4 1/8	758
4 1/8	783

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11.5 PE/VP : 3,49

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 12 / 15

GRADIENT kPa/m : 1030 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m³ : 1,54

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 22600

VOLUME CIRCULÉ m³ : 156 TEMPS DE CIRCULATION min (fond-surf.) : 21 TOTAL : 167

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	19	755	629
KCL	45	573	1115
NaOH	4	57	101
SS-100	2	33	30
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3100

POUVOIR HYDR. / /

COÛT JOUR $ 21,918.

COÛT CUMUL. $ 527,818.

CHRONOLOGIE

FORAGE h 18½

ALÉSAGE h ¾

VOYAGE h 3¾

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 758 m, changé le trépan, entré avec le SR3 de Christensen et 2 nouveaux stabilisateurs. Alésé de 733 à 758 m. Foré jusqu'à 784 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-24 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 17

PROFONDEUR m : 740

PROFONDEUR HIER m : 694

AVANCEMENT m : 46

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	5C	6C	
Grandeur mm	216	216	
Marque	SMITH	REED	
Modèle	SL4	S21G	
Série	428AT	931104	
Gicleurs mm	2x10 1x9,5	3x9,5	
Poids daN	7000	5000	
RPM	65	80	
Sortie m	696	----	
Entrée m	631	696	
Avancement m	65	44	
Heures	34	19¼	
Taux m/h	1,91	2,29	
Condition	4-2-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3¾	688 N50E
3¾	714
4	733

PROPRIÉTES DE LA BOUE

TYPE : GEL KCl SS-100 VISCOSITÉ s/ℓ : 70 pH : 11,0 PE/VP : 4,17

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 14/10

GRADIENT kPa/m : 1030 POINT D'ÉCOUL. Pa : 29 POLYMER kg/m³ : 0,86

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 11 300

VOLUME CIRCULÉ m³ : 154 TEMPS DE CIRCULATION min (fond-surf.) : 20 TOTAL : 165

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	48	736	648
KCL	30	528	1160
NaOH	7	53	105
SS-100	2	31	32
FLR-100 E	0	0	68
DFVIS ~~BARITE~~	0	0	24
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3700

POUVOIR HYDR. /

COÛT JOUR $ 17,149.

COÛT CUMUL. $ 505,900.

CHRONOLOGIE

FORAGE h 20¼

ALÉSAGE h

VOYAGE h 2½

RELEVES h 1

CIRCULATION h ¼

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 696 m. Sorti du trou, changé le trépan, ajouté la masse tige monnel au train de-tiges et entré forer jusqu'à 740 m.

Note: Vérifié l'équipement de feu et faire un entraînement pour le contrôle des BOP.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-23 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 16

PROFONDEUR m : 694

PROFONDEUR HIER m : 653

AVANCEMENT m : 41

FORMATION : Battery Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	5C		
Grandeur mm	216		
Marque	SMITH		
Modèle	SL4		
Série	428AT		
Gicleurs mm	2x10 1x9,5		
Poids daN	7000		
RPM	65		
Sortie m	-----		
Entrée m	631		
Avancement m	63		
Heures	33		
Taux m/h	1,91		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3½	668
3½	687

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 75 pH : 11.5 PE/VP : 3.86

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 12 / 13

GRADIENT kPa/m : 10,10 POINT D'ÉCOUL. Pa : 27 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 22 000

VOLUME CIRCULÉ m³ : 153 TEMPS DE CIRCULATION min (fond-surf.) : 19 TOTAL : 164

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	------	688	697
KCL	40	498	1190
NaOH	6	46	58
SS-100	2	29	20
FLR-100 E			
BARITE			
Scale inh.	15 litres		
Scavenger	1 barril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3300

POUVOIR HYDR. /

COÛT JOUR $ 14,757.

COÛT CUMUL. $ 488,751.

CHRONOLOGIE

FORAGE h 23½

ALÉSAGE h

VOYAGE h

RELEVES h ½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 694 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-22 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 15

PROFONDEUR m : 653

PROFONDEUR HIER m : 602

AVANCEMENT m : 51

FORMATION : Battery Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4mm à 294 m

Trépan No.	4C	5C	
Grandeur mm	216	216	
Marque	SEC	SMITH	
Modèle	M4NJ	SL4	
Série	212263	428AT	
Gicleurs mm	3x10	2x10 1x9,5	
Poids daN	6000	5000	
RPM	60	75	
Sortie m	631	-------	
Entrée m	522	631	
Avancement m	79	22	
Heures	24¾	9½	
Taux m/h	3,19	2,32	
Condition	6-3-o 2mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3¾(?)	631
3½	640

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 3,67

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 13 / 18

GRADIENT kPa/m : 10,10 POINT D'ÉCOUL. Pa : 22 POLYMER kg/m³ : 0,70

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 17 000

VOLUME CIRCULÉ m³ : 152 TEMPS DE CIRCULATION min (fond-surf.) : 18 TOTAL : 162

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	36	688	697
KCL	30	458	1234
NaOH	5	40	64
SS-100	1	27	22
FLR-100 E			
BARITE			
Scale inh.	15 litres		
Scavenger	1 baril		
Oil rig	3		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 3000

POUVOIR HYDR. /

COÛT JOUR $ 16,301.

COÛT CUMUL. $ 473,994.

CHRONOLOGIE

FORAGE h 20¼

ALÉSAGE h ½

VOYAGE h 2¾

RELEVES h ½

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 631 m, changé le trépan, le NBS et 1 stabilisateur. Entré et foré jusqu'à 653 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-21 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 14

PROFONDEUR m : 602

PROFONDEUR HIER m : 537

AVANCEMENT m : 65

FORMATION : Battery Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4 mm à 294 m

Trépan No.	3C	4C	
Grandeur mm	216	216	
Marque	SEC	SEC	
Modèle	DMV	M4NJ	
Série	851116	212263	
Gicleurs mm	3x10	3x10	
Poids daN	7000	6000	
RPM	60	65	
Sortie m	552	------	
Entrée m	449	552	
Avancement m	103	50	
Heures	28½	14	
Taux m/h	3,61	3,57	
Condition	6-4-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
3	537
3	574
3 1/8	602

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11.5 PE/VP : 3,67

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 13/18

GRADIENT kPa/m : 10,20 POINT D'ÉCOUL. Pa : 22 POLYMER kg/m³ : 1,70

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 150 TEMPS DE CIRCULATION min (fond-surf.) : 16 TOTAL : 160

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	18	652	733
KCL	45	428	1274
NaOH	5	35	69
SS-100	2	26	23
FLR-100 E			
BARITE			
Scale inh.	15 litres		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 2300

POUVOIR HYDR. /

COÛT JOUR $ 15,379.

COÛT CUMUL. $ 457,693.

CHRONOLOGIE

FORAGE h 20¾

ALÉSAGE h

VOYAGE h 2¼

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 552 m, changé le trépan et foré jusqu'à 602 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-20 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 13

PROFONDEUR m : 537

PROFONDEUR HIER m : 449

AVANCEMENT m : 88

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.4 mm à 294 m

Trépan No.	3C		
Grandeur mm	216		
Marque	SEC.		
Modèle	DMJ		
Série	851116		
Gicleurs mm	3x10		
Poids daN	7000		
RPM	60		
Sortie m	-----		
Entrée m	449		
Avancement m	88		
Heures	21¾		
Taux m/h	4,05		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2¾	462
2¾	481
2¾	509

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 3,0

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 12 / 16

GRADIENT kPa/m : 10,20 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m³ : 1,15

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 17 000

VOLUME CIRCULÉ m³ : 148 TEMPS DE CIRCULATION min (fond-surf.) : 15 TOTAL : 158

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	50	634	751
KCL	30	383	1319
NaOH	6	30	74
SS-100	2	24	25
FLR-100 E			
BARITE			
Oil Rig	1		
Scale inh	15 litres		
Scavenger	1 baril		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 2200

POUVOIR HYDR. /

COÛT JOUR $ 16,747.

COÛT CUMUL. $ 442,314

CHRONOLOGIE

FORAGE h 21¾

ALÉSAGE h

VOYAGE h 1½

RELEVES h ¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Entré avec un nouveau stabilisateur. L'assemblage de forage est celui-ci: NBS, masse-tige carrée, 1 stab., masse-tige, stab., 2 masse-tiges, stab. et masse-tiges comprenant le jar hydraulique. Foré jusqu'à 537 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO.1

DATE : 1981-03-19 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 12

PROFONDEUR m : 449

PROFONDEUR HIER m : 392

AVANCEMENT m : 57

FORMATION : Battery Point

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 244.4mm à 294 m

Trépan No.	2C		
Grandeur mm	216		
Marque	REED		
Modèle	S21G		
Série	NCP251		
Gicleurs mm	3x11,9		
Poids daN	6000		
RPM	65		
Sortie m	449		
Entrée m	324		
Avancement m	125		
Heures	45¼		
Taux m/h	2,76		
Condition	6-3-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2¼	404
2½	423
2½	442

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 3,83

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 10 / 11

GRADIENT kPa/m : 10,20 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 1,28

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 20 000

VOLUME CIRCULÉ m³ : 144 TEMPS DE CIRCULATION min (fond-surf.) : 12 TOTAL : 155

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	19	584	801
KCL	30	353	1349
NaOH	3	24	80
SS-100	2	22	27
FLR-100 E			
BARITE			
Scavenger	1 baril		
Scale inh.	14 lit.℮		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 1800

POUVOIR HYDR. /

COÛT JOUR $ 13,683.

COÛT CUMUL. $ 425,527.

CHRONOLOGIE

FORAGE h 22

ALÉSAGE h

VOYAGE h 1

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 449 m et sorti du trou.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-18 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 11

PROFONDEUR m : 392

PROFONDEUR HIER m : 324

AVANCEMENT m : 68

FORMATION : Battery Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 244.4 mm à 294 m

Trépan No.	2C		
Grandeur mm	216		
Marque	REED		
Modèle	S21G		
Série	NCP251		
Gicleurs mm	3x11,9		
Poids daN	5000		
RPM	65		
Sortie m			
Entrée m	324		
Avancement m	68		
Heures	23¼		
Taux m/h	2,92		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2¼	330
2¼	348
2½	376

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 65 pH : 11 PE/VP : 3,83

DENSITÉ kg/m³ : 1040 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 10 /11

GRADIENT kPa/m : 10,20 POINT D'ÉCOUL. Pa : 23 POLYMER kg/m³ : 1,71

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 12 000

VOLUME CIRCULÉ m³ : 143 TEMPS DE CIRCULATION min (fond-surf.) : 11 TOTAL : 153

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	37	565	820
KCL	21	323	1379
NaOH	3	21	83
SS-100	1	20	29
FLR-100 E			
BARITE			
Eau de puits	8" dans les	réservoirs	

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 1800

POUVOIR HYDR. /

COÛT JOUR $ 13,391.

COÛT CUMUL. $ 411,884.

CHRONOLOGIE

FORAGE h 23¼

ALÉSAGE h

VOYAGE h

RELEVES h ¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 392 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-17 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 10

PROFONDEUR m : 324

PROFONDEUR HIER m : 294

AVANCEMENT m : 30

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

COFFRAGE 244.4mm à 294 m

Trépan No.	1C	2C	
Grandeur mm	216	216	
Marque	REED	REED	
Modèle	S21G	S21G	
Série	NCP250	NCP251	
Gicleurs mm	3x15	3x15	
Poids daN	3000	5000	
RPM	75	60	
Sortie m	324	-	
Entrée m	294	324	
Avancement m	30	½	
Heures	14¼	½	
Taux m/h	2,11	---	
Condition	4-2-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2½	305
2½	314
2¼	324

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 55 pH : 11 PE/VP : 2,63

DENSITÉ kg/m³ : 1045 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 8 / 9

GRADIENT kPa/m : 10,25 POINT D'ÉCOUL. Pa : 16 POLYMER kg/m³ : 2,00

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm³ : K⁺ ppm : 22,500

VOLUME CIRCULÉ m³ : 141 TEMPS DE CIRCULATION min (fond-surf.) : 9 TOTAL : 150

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	38	528	857
KCL	30	302	1400
NaOH	1	18	86
SS-100	3	19	30
FLR-100 E			
BARITE			
Soda Ash	75 kg		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min 935

PRESSION kPa 2000

POUVOIR HYDR. / /

COÛT JOUR $ 17,394

COÛT CUMUL. $ 398,493.

CHRONOLOGIE

Ciment 1½

FORAGE h 14¾

ALÉSAGE h 1¼

VOYAGE h 3

RELEVES h ½

CIRCULATION h ½

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h 2½

ACTIVITES PRÉCÉDENTES

On a pressurisé l'équipement anti-éruption à 10 000 kPa pendant ½ heure. Foré le ciment, déplacé l'eau par la boue, foré sans stabilisation jusqu'à 324 m. Voyage pour installer la masse-tige carrée et 3 stabilisateurs, alésé de 284 à 324 m. Recommencé à forer à 324 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-16 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 9

PROFONDEUR m : 294

PROFONDEUR HIER m : 294

AVANCEMENT m : 0

FORMATION : Battery Point

ACTIVITÉ COURANTE : W.O.C.

COFFRAGE : 244.4mm à 294 m

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			895
KCL			1430
NaOH			33
SS-100			8
FLR-100 E			
BARITE			
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 12,522.

COÛT CUMUL. $ 381,088.

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h 24

ACTIVITES PRÉCÉDENTES

Laissé sécher le ciment (installé les équipements anti-éruption et vérifier l'étanchéité avec une pression de 10 000 kPa pendant ½ heure).

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-15 FOREUSE No 6

Yvan Tessie

JOUR DE FORAGE : 8

PROFONDEUR m : 294

PROFONDEUR HIER m : 294

AVANCEMENT m : 0

FORMATION : Battery Point

ACTIVITÉ COURANTE : W.O.C.

COFFRAGE : 244.4mm à 294 m

Trépan No.			
Grandeur mm			
Marque			
Modèle			
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m			
Heures			
Taux m/h			
Condition			

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : pH : PE/VP :

DENSITÉ kg/m³ : VISC. PLASTIQUE mPa·s : GEL Pa : /

GRADIENT kPa/m : POINT D'ÉCOUL. Pa : POLYMER kg/m³ :

VITESSE ANNULAIRE m/min : PERTE D'EAU cm³ : K⁺ ppm :

VOLUME CIRCULÉ m³ : TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			895
KCL			1430
NaOH			33
SS-100			8
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No.

DIM. mm

CPM

DÉBIT ℓ/min

PRESSION kPa

POUVOIR HYDR. /

COÛT JOUR $ 42,833.

COÛT CUMUL. $ 368,577

CHRONOLOGIE

FORAGE h

ALÉSAGE h

VOYAGE h

RELEVES h

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h 24

ACTIVITES PRÉCÉDENTES

Entré 294 m de coffrage 244.4mm, N80, 59,52kg/m, 8RD et 6 centreurs. Circulé 1 heure, cimenté avec 21 tonnes de ciment classe "G" et de l'eau contenant 2% de CaCL2 pour un volume total de 16m³ d'une densité moyenne de 1900kg/m³. Déplacé avec de l'eau et bon retour du ciment à la surface. Laissé sécher le ciment (Coupé les coffrages et soudé la tête de coffrage)

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-14 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 7

PROFONDEUR m : 294

PROFONDEUR HIER m : 266

AVANCEMENT m : 28

FORMATION : Battery Point

ACTIVITÉ COURANTE : Entré le coffrage

COFFRAGE : 340mm à 65 m

Trépan No.	4B		
Grandeur mm	311		
Marque	SECURITY		
Modèle	H77SG		
Série	971717		
Gicleurs mm	12-12-12		
Poids daN	7000		
RPM	55		
Sortie m	294		
Entrée m	255		
Avancement m	39		
Heures	11¾		
Taux m/h	3,32		
Condition	3-2-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2	273
2	292

PROPRIÉTES DE LA BOUE

TYPE : GEL KcL SS-100

VISCOSITÉ s/ℓ : 65

pH : 11.5

PE/VP : /

DENSITÉ kg/m³ : 1055

VISC. PLASTIQUE mPa·s :

GEL Pa : /

GRADIENT kPa/m : 10,35

POINT D'ÉCOUL. Pa :

POLYMER kg/m³ : 1,15

VITESSE ANNULAIRE m/min :

PERTE D'EAU cm³ :

K⁺ ppm : 20, 000

VOLUME CIRCULÉ m³ :

TEMPS DE CIRCULATION min (fond-surf.) : TOTAL :

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	32	490	895
KCL	30	272	1430
NaOH	0	17	33
SS-100	2	16	8
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 120

DÉBIT ℓ/min 1250

PRESSION kPa 3000

POUVOIR HYDR. /

COÛT JOUR $ 13,390.

COÛT CUMUL. $ 325,744.

CHRONOLOGIE

FORAGE h 8¼

ALÉSAGE h

VOYAGE h 5¾

RELEVES h ½

CIRCULATION h 7

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h 2½

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 294 m, circulé, sorti et démonté l'assemblage 311mm, entré avec l'assemblage de masses-tiges 171 mm, circulé en attente d'Halliburton. Commenc à entrer le coffrage avec un sabot de guidage et un collet de flottaison.

Note: Halliburton arrive au site à 5:30

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-13 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 6

PROFONDEUR m : 266

PROFONDEUR HIER m : 201

AVANCEMENT m : 65

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 340 mm à 65 m

Trépan No.	3B	4B	
Grandeur mm	311	311	
Marque	H.W.	SECURITY	
Modèle	JD7	H77SG	
Série	45376	971717	
Gicleurs mm	12-11-11	12-12-12	
Poids daN	7000	7000	
RPM	55	55	
Sortie m	255	-----	
Entrée m	149	255	
Avancement m	106	11	
Heures	35¾	3.5	
Taux m/h	2,97	3,14	
Condition	3-2-0 3mm	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1½	216
1¾	235
2	254

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100

VISCOSITÉ s/ℓ : 55

pH : 11

PE/VP : 3,67

DENSITÉ kg/m³ : 1055

VISC. PLASTIQUE mPa·s : 6

GEL Pa : 12/

GRADIENT kPa/m : 10,35

POINT D'ÉCOUL. Pa : 22

POLYMER kg/m³ : 1.15

VITESSE ANNULAIRE m/min : 24

PERTE D'EAU cm³ : n/a

K⁺ ppm : 19 000

VOLUME CIRCULÉ m³ : 146

TEMPS DE CIRCULATION min (fond-surf.) : 11 TOTAL : 117

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	35	458	927
KCL	60	242	1460
NaOH	3	17	33
SS-100	3	14	10
FLR-100 E			
BARITE			
Oil rig	2		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 120

DÉBIT ℓ/min 1250

PRESSION kPa 3000

POUVOIR HYDR. /

COÛT JOUR $ 18,157.

COÛT CUMUL. $ 312,354.

CHRONOLOGIE

FORAGE h 21¼

ALÉSAGE h

VOYAGE h 2

RELEVES h ¾

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 255 m. Changé le trépan et foré jusqu'à 266 m.

Note: Vérifié l'équipement de feu O.K.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

Elévation du KB: 122.5 m exact

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-12 FOREUSE No. 6

JOUR DE FORAGE : 5

PROFONDEUR m : 201 m KB (78.5 m s.s.)

PROFONDEUR HIER m : 141

AVANCEMENT m : 60

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

COFFRAGE : 340 mm à 65 m

Trépan No.	2B	3B	
Grandeur mm	311	311	
Marque	H.W.	H.W.	
Modèle	JD7	JD7	
Série	45553	45376	
Gicleurs mm	12-11-11	12-11-11	
Poids daN	4000	7000	
RPM	80	55	
Sortie m	149	NIL	
Entrée m	60	149	
Avancement m	69	52	
Heures	23½	18	
Taux m/h	2,94	2,89	
Condition	4-2-i	forage	

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1½	149
1½	169
1¾	188
1¾	197

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 55 pH : 11.5 PE/VP : 3,67

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 11/11

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 22 POLYMER kg/m³ : 1,00

VITESSE ANNULAIRE m/min : 24 PERTE D'EAU cm³ : n/a K⁺ ppm : 15 000

VOLUME CIRCULÉ m³ : 142 TEMPS DE CIRCULATION min (fond-surf.) : 9 TOTAL : 114

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	45	423	402
KCL	30	182	1520
NaOH	4	14	36
SS-100	1	11	13
FLR-100 E			
BARITE			
Scavenger	1		
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 120

DÉBIT ℓ/min 1250

PRESSION kPa 2800

POUVOIR HYDR. /

COÛT JOUR $ 16,537.

COÛT CUMUL. $ 294,197.

CHRONOLOGIE

FORAGE h 21

ALÉSAGE h

VOYAGE h 2

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 149 m. Changé le trépan, ajouté 1 stabilisateur 20 m au-dessus du stabilisateur no. 2. Foré jusqu'à 201 m

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-11 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 4

PROFONDEUR m : 141

PROFONDEUR HIER m : 80

AVANCEMENT m : 61

FORMATION : Battery Point

ACTIVITÉ COURANTE : forage

COFFRAGE : 340mm à 65 m

Trépan No.	2B		
Grandeur mm	311		
Marque	H.W.		
Modèle	JD7		
Série	45553		
Gicleurs mm	12-11-11		
Poids daN	4000		
RPM	80		
Sortie m			
Entrée m	80		
Avancement m	61		
Heures	20½		
Taux m/h	2,98		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1¼	93
1½	112
1½	131

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 60 pH : 11 PE/VP : 3.3

DENSITÉ kg/m³ : 1050 VISC. PLASTIQUE mPa·s : 6 GEL Pa : 12/16

GRADIENT kPa/m : 10,30 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m³ : 1.50

VITESSE ANNULAIRE m/min : 24 PERTE D'EAU cm³ : n/a K⁺ ppm : 10 000

VOLUME CIRCULÉ m³ : 139 TEMPS DE CIRCULATION min (fond-surf.) : 6 TOTAL : 111

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	55	368	447
KCL	0	152	1550
NaOH	3	10	40
SS-100	3	10	14
FLR-100 E			
BARITE			
Scavenger	1		
Oil	1		

DONNEES HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 120

DÉBIT ℓ/min 1250

PRESSION kPa 2500

POUVOIR HYDR. /

COÛT JOUR $ 14,177.

COÛT CUMUL. $277,660.

CHRONOLOGIE

FORAGE h 20½

ALÉSAGE h 1

VOYAGE h 1½

RELEVES h 1

CIRCULATION h

ENTRETIEN h

REPÊCHAGE h

DIAGRAPHIES h

TESTS h

COFFRAGE, CIMENT h

ACTIVITES PRÉCÉDENTES

Entré jusqu'à 48 m. Alésé jusqu'à 80 m. Foré jusqu'à 141 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-10 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 3

PROFONDEUR m : 80

PROFONDEUR HIER m : 65

AVANCEMENT m : 15

FORMATION : Battery Point

ACTIVITÉ COURANTE : Voyage

COFFRAGE : 340 mm à 65 m

Trépan No.	RR1B	2B	
Grandeur mm	311	311	
Marque	H.W.	H.W.	
Modèle	XDV	JD7	
Série	56486		
Gicleurs mm	12-11-11		
Poids daN	2000		
RPM	70		
Sortie m	80		
Entrée m	65		
Avancement m	15		
Heures	3 1/4		
Taux m/h	4,62		
Condition	3-1-i		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1 3/4	80

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 50 pH : 11.5 PE/VP : ____

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : ____ GEL Pa : ____/____

GRADIENT kPa/m : 10,10 POINT D'ÉCOUL. Pa : ____ POLYMER kg/m³ : ____

VITESSE ANNULAIRE m/min : ____ PERTE D'EAU cm³ : ____ K⁺ ppm : ____

VOLUME CIRCULÉ m³ : ____ TEMPS DE CIRCULATION min (fond-surf.) : ____ TOTAL : ____

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL			
KCL	95		
NaOH			
SS-100	2		
FLR-100 E			
BARITE			
Oil rig	2		

DONNEES HYDRAULIQUES

POMPE No. ____

DIM. mm ____

CPM ____

DÉBIT ℓ/min ____

PRESSION kPa ____

POUVOIR HYDR. ____/____

COÛT JOUR $ 16,392.

COÛT CUMUL. $ 263,493.

CHRONOLOGIE

Foré ciment: 2 1/4

FORAGE h 3 1/4

ALÉSAGE h ____

VOYAGE h 1 3/4

RELEVES h 1/4

CIRCULATION h 1/2

ENTRETIEN h ____

REPÊCHAGE h ____

DIAGRAPHIES h ____

TESTS h ____

COFFRAGE, CIMENT h 16

ACTIVITES PRÉCÉDENTES

Mélangé de la boue, foré le mouse hole, coupé la ligne, installé la pompe anti-corrosion. Foré le ciment, déplacé l'eau, foré jusqu'à 80m sans stabilisation. Sorti du trou pour installé la stabilisation. Entré avec NBS, masse-tige carrée 311mm h.s., 1 stabilisateur, 1 masse-tige 228 mm, 1 stabilisateur, 5 masses-tiges 228mm et des masses-tiges 171mm

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-09 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 2

PROFONDEUR m : 65 m KB

PROFONDEUR HIER m : 65

AVANCEMENT m : 0

FORMATION : Battery Point

ACTIVITÉ COURANTE : WOC

COFFRAGE : 344mm à 65 m KB

Elévation du niveau KB: 175 m

Trépan No.	H01		
Grandeur mm	444.5		
Marque	SECURITY		
Modèle	medium à couteaux		
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m			
Entrée m			
Avancement m	65		
Heures	11¼		
Taux m/h	5,78		
Condition	couteaux usagés		

RELEVES DE DEVIATION

DEGRÉ	PROFONDEUR m

PROPRIÉTES DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/ℓ : 55 pH : 11.5 PE/VP : ____

DENSITÉ kg/m³ : 1030 VISC. PLASTIQUE mPa·s : ____ GEL Pa : ____/____

GRADIENT kPa/m : 10,10 POINT D'ÉCOUL. Pa : ____ POLYMER kg/m³ : ____

VITESSE ANNULAIRE m/min : ____ PERTE D'EAU cm³ : ____ K⁺ ppm : ____

VOLUME CIRCULÉ m³ : ____ TEMPS DE CIRCULATION min (fond-surf.) : ____ TOTAL : ____

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	73		
KCL	57		
NaOH			
SS-100	5		
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No. ____

DIM. mm ____

CPM ____

DÉBIT ℓ/min ____

PRESSION kPa ____

POUVOIR HYDR. ____/____

COÛT JOUR $ 35,334.

COÛT CUMUL. $47,091.

CHRONOLOGIE

FORAGE h ____

ALÉSAGE h 5½

VOYAGE h 2

RELEVES h ____

CIRCULATION h ¾

ENTRETIEN h ____

REPÊCHAGE h ____

DIAGRAPHIES h ____

TESTS h ____

COFFRAGE, CIMENT h ____

ACTIVITES PRÉCÉDENTES

Alésé jusqu'à 65m. Circulé, sorti du trou et démonté l'assemblage 444.6 mm. Entré 1 guide-s 65 m de coffrage, 340 mm K-55, 8Rd, 81,10 kg/m et 3 centreurs. Circulé, cimenté à 13.2 tonnes de ciment classe "G" mélangé, d'une densité de 1900kg/m³. Laissé sécher le cime Coupé le coffrage et soudé la tête de coffrage. Installé le Hydrill et mélangé de la boue.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO.

DATE : 1981-03-08 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 1

PROFONDEUR m : 65.5 m KB

PROFONDEUR HIER m : 24

AVANCEMENT m : 41.5

FORMATION : Battery Point

ACTIVITÉ COURANTE : alésage

COFFRAGE : nil

Trépan No.	1A	2A	HO1
Grandeur mm	311	311	444.5
Marque	H.W.	H.W.	SECURITY
Modèle	X1G	XDV	medium à cou
Série	45472	56486	
Gicleurs mm	12-11-11	12-11-11	
Poids daN	1000	1000	
RPM	90	90	
Sortie m	54	65	
Entrée m	0	54	
Avancement m	54	11	
Heures	10¾	4½	
Taux m/h	5.02	2.44	
Condition	4-2-i	1-1-i	couteaux usagés

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1¼	44
1¼	65

PROPRIÉTES DE LA BOUE

TYPE : Gel-Eau VISCOSITÉ s/ℓ : 190 pH : 11 PE/VP : ____

DENSITÉ kg/m³ : ____ VISC. PLASTIQUE mPa·s : ____ GEL Pa : ____/____

GRADIENT kPa/m : ____ POINT D'ÉCOUL. Pa : ____ POLYMER kg/m³ : ____

VITESSE ANNULAIRE m/min : ____ PERTE D'EAU cm³ : ____ K⁺ ppm : ____

VOLUME CIRCULÉ m³ : ____ TEMPS DE CIRCULATION min (fond-surf.) : ____ TOTAL : ____

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	98		
KCL			
NaOH	3		
SS-100			
FLR-100 E			
BARITE			

DONNEES HYDRAULIQUES

POMPE No. ____

DIM. mm ____

CPM ____

DÉBIT ℓ/min ____

PRESSION kPa ____

POUVOIR HYDR. ____/____

COÛT JOUR $ 22,409.

COÛT CUMUL. $ 211,757

CHRONOLOGIE

FORAGE h 13

ALÉSAGE h 5¾

VOYAGE h 4½

RELEVES h ¾

CIRCULATION h ____

ENTRETIEN h ____

REPÊCHAGE h ____

DIAGRAPHIES h ____

TESTS h ____

COFFRAGE, CIMENT h ____

ACTIVITES PRÉCÉDENTES

Foré jusqu'à 54 m. Changé le trépan, foré jusqu'à 65 m. Entré l'aléseur 444.5 mm et le non-rotating stabilizer, alésé jusqu'à 35 m.

SOQUIP

RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BAIE DE GASPE-NORD NO

DATE : 1981-03-07 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 0

PROFONDEUR m : 24 m KB

PROFONDEUR HIER m : 0

AVANCEMENT m : 24 m

FORMATION : Battery Point

ACTIVITÉ COURANTE : Forage

~~COFFRAGE~~ : SPUD à 04:00 , 81-3-7

Trépan No.	1A		
Grandeur mm	311		
Marque	H.W.		
Modèle	X1G		
Série	45472		
Gicleurs mm	12-11-11		
Poids daN	1000		
RPM	90		
Sortie m			
Entrée m	0		
Avancement m	24		
Heures	2¼		
Taux m/h	(10,67)		
Condition	forage		

RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1	24

PROPRIÉTES DE LA BOUE

TYPE : Gel - Eau

VISCOSITÉ s/ℓ : 180

pH : 11

PE / VP : ____

DENSITÉ kg/m³ : ____

VISC. PLASTIQUE mPa·s : ____

GEL Pa : ____ / ____

GRADIENT kPa/m : ____

POINT D'ÉCOUL. Pa : ____

POLYMER kg/m³ : ____

VITESSE ANNULAIRE m/min : ____

PERTE D'EAU cm³ : ____

K⁺ ppm : ____

VOLUME CIRCULÉ m³ : ____

TEMPS DE CIRCULATION min (fond-surf.) : ____ TOTAL : ____

MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	142		
KCL			
NaOH	4		
SS-100			
FLR-100 E			
BARITE			
Oil rig	1		

DONNEES HYDRAULIQUES

POMPE No. ____

DIM. mm ____

CPM ____

DÉBIT ℓ/min ____

PRESSION kPa ____

POUVOIR HYDR. ____ / ____

COÛT JOUR $ 4,078.

COÛT CUMUL. $ 189,348

CHRONOLOGIE

FORAGE h 2¼

ALÉSAGE h ____

VOYAGE h 1¾

RELEVES h ____

CIRCULATION h ____

ENTRETIEN h ____

REPÊCHAGE h ____

DIAGRAPHIES h ____

TESTS h ____

COFFRAGE, CIMENT h ____

Spud à 04:00 le 81-3-7

ACTIVITES PRÉCÉDENTES

Installé la foreuse, mélangé la boue, "foré le rat hole", spud, foré à 311 mm jusqu'à 24 m

V- APPENDICES

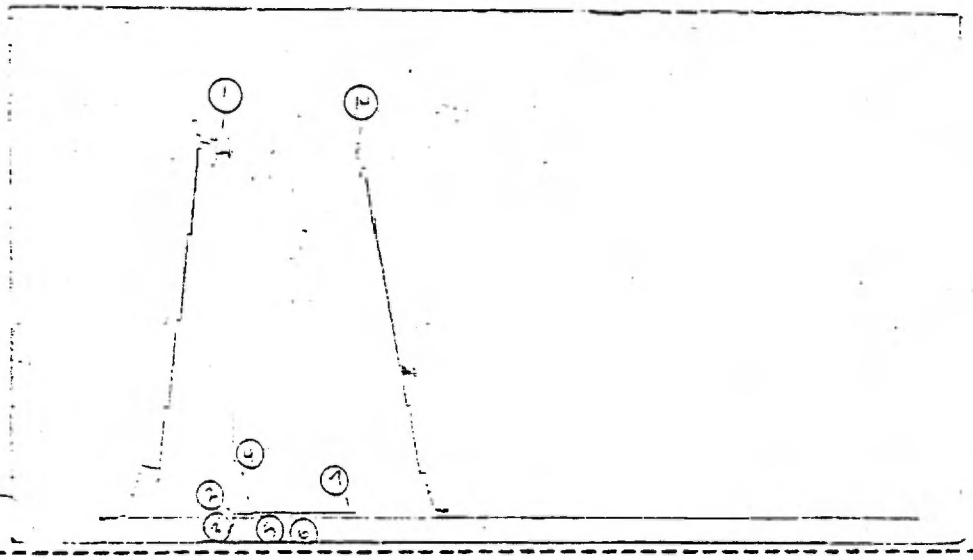
6) Résultats détaillés des essais aux tiges

TEST DATE: 81/05/22

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#01
1460.00m to 1470.00m
FORMATION NOT AVAILABLE

DEPTH: 1462.00m

RECORDER # 013964



	PRESSUR kPa
1)Intial Hydro. :	15576
2)1st Flow Start:	190
3)1st Flow End :	207
4)END 1st Shutin:	285
5)2nd Flow Start:	259
6)2nd Flow End :	233
7)END 2nd Shutin:	216
14)Final Hydro. :	14888

RECOVERY DATA

NO GAS TO SURFACE. RECOVERED 3.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

Bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY N PERMEABILITY within the interval testec.

TABLE OF CONTENTS

LYNES UNITED SERVICES LTD
DST#01 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
ocation : 400/ 48.536 / 064.305 /00
Interval : 1460.00m to 1470.00m
Test Date : 81/05/22
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 453411
Unit Number :

Started in hole at : 2130 hrs
Tool opened at : 0036 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#1 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : BAUDREAULT J
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Very weak air blow decreasing to nil in 10 minutes on preflow, no gas to surface.
No blow on final flow, no gas to surface.

TOTAL LIQUID RECOVERY : 3.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

3.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#01
SOQUIP PETROFINA BAIE DE GASPE N#1
1460.00m to 1470.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
PORTED COMB. SUB	.31
OUT. REC CARRIER	2.04
SPACING	6.20
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 17236.00kPa
DEPTH : 1451.00m

2) NUMBER : 008598 CLOCK STOPPED
TYPE : K-3 NO READINGS
LOCATION: OUTSIDE OBTAINED.
CAPACITY: 23097.00kPa
DEPTH : 1462.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 27.82C
DEPTH : 1462.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20340.00kPa
DEPTH : 1462.00m

******** TOOL TOTAL 25.12
DRILL COLLARS

ID= 73.0mm: 167.89
DRILL PIPE

OD=114.3mm: 1283.03

COLLAR-PIPE TOTAL 1450.92

STICK UP ABOVE TABLE : 2.96
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 10.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

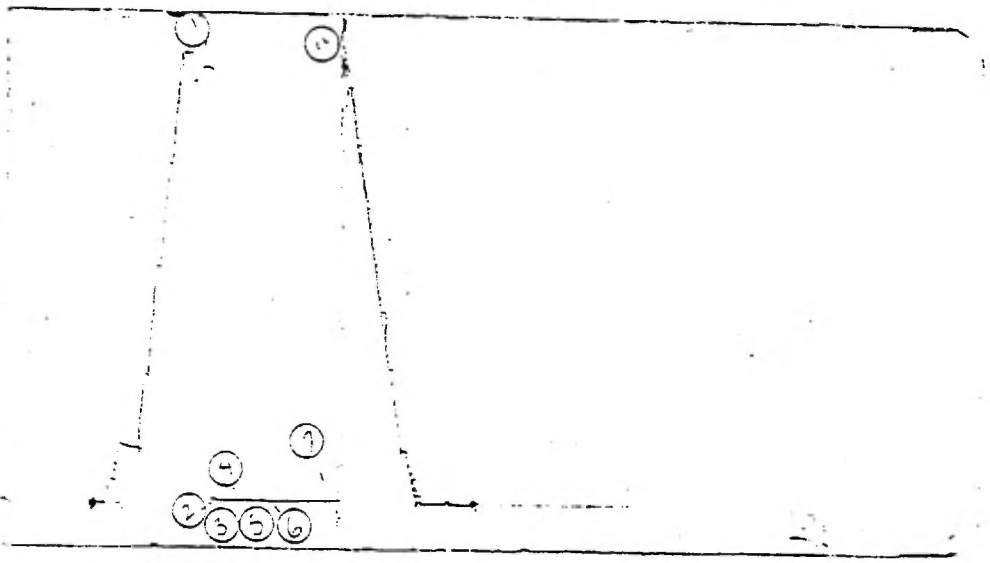
Calipered Hole Size @ Test Depth: 225.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : YES
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 27.8C

DST#01
SOQUIP PETROFINA BAIE DE GASPE N#1
1460.00m to 1470.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1451.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 17236.00kPa

	PRESSU kPa
1)Intial Hydro. :	15659
2)1st Flow Start:	247
3)1st Flow End :	211
4)END 1st Shutin:	233
5)2nd Flow Start:	160
6)2nd Flow End :	160
7)END 2nd Shutin:	175
14)Final Hydro. :	14960

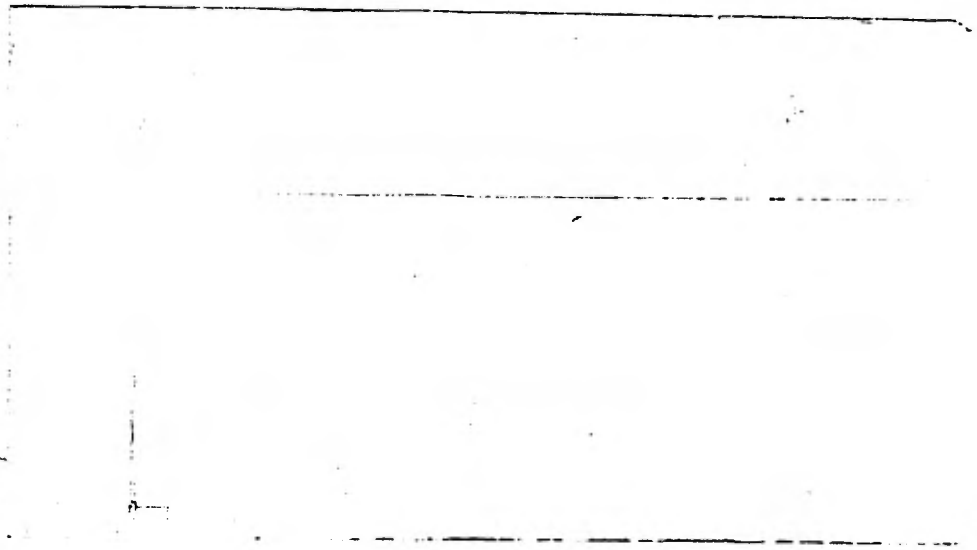


TEST TIMES(MIN)
1st FLOW : 10
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1462.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	
14)Final Hydro. :	



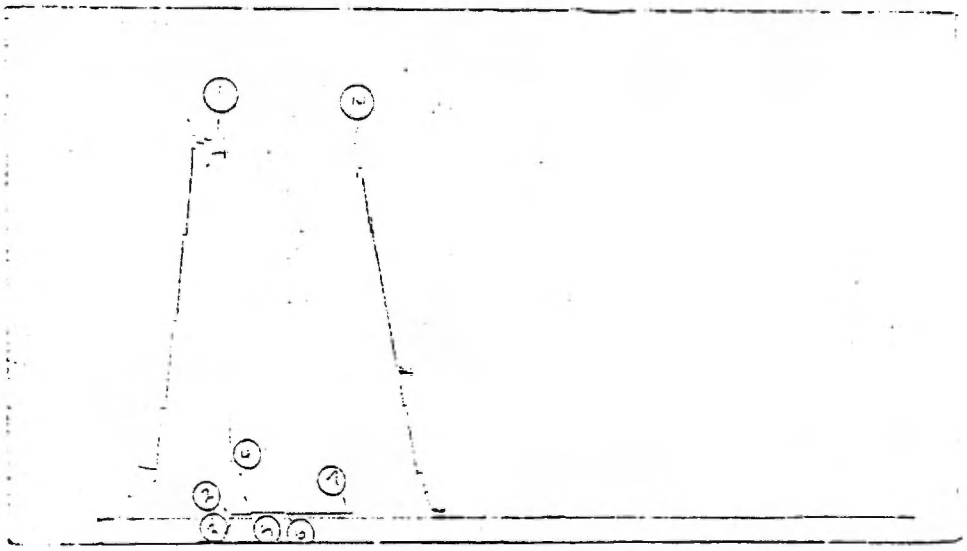
CLOCK STOPPED
NO READINGS
OBTAINED.

DST#01
SOQUIP PETROFINA BAIE DE GASPE N#1
1460.00m to 1470.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 1462.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20340.00kPa

	PRESSU kPa
1) Intial Hydro.	:15576
2) 1st Flow Start:	190
3) 1st Flow End :	207
4) END 1st Shutin:	285
5) 2nd Flow Start:	259
6) 2nd Flow End :	233
7) END 2nd Shutin:	216
14) Final Hydro.	:14888



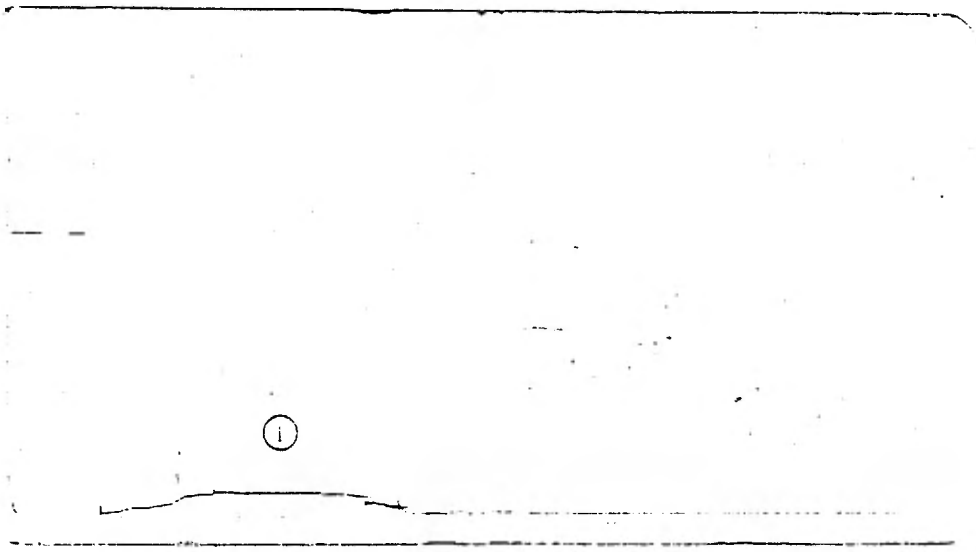
TEST TIMES(MIN)
1st FLOW : 10
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

DST#01
SOQUIP PETROFINA BAIE DE GASPE N#1
1460.00m to 1470.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1462.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.670

***** TEMPERATURE AT RECORDER DEPTH = 27.3 C

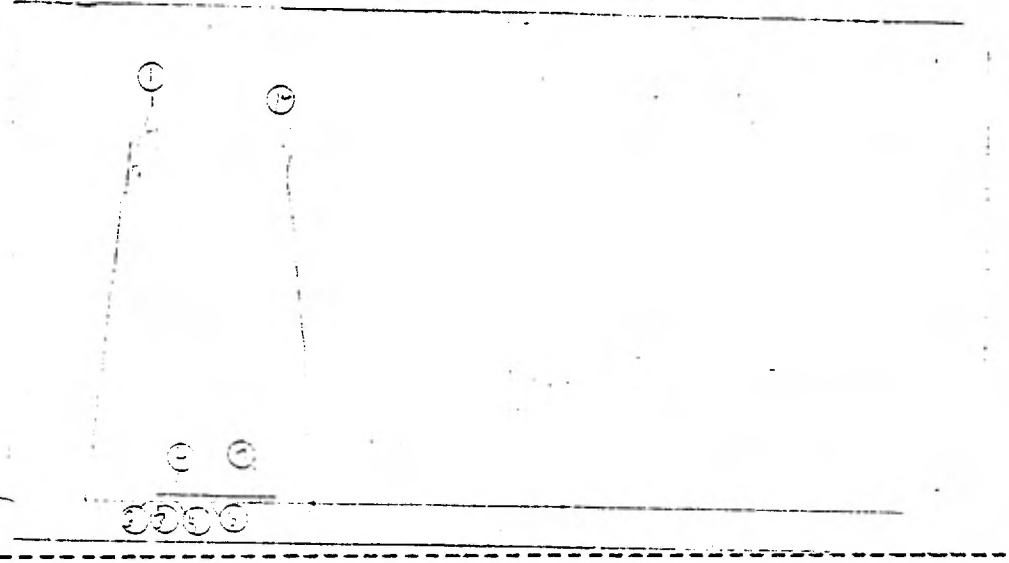


TEST DATE: 81/05/23

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#02
1409.00m to 1429.00m
FORMATION NOT AVAILABLE

DEPTH: 1411.00m

RECORDER # 013964



	PRESSUR kPa
1)Intial Hydro. :	14276
2)1st Flow Start:	320
3)1st Flow End :	294
4)END 1st Shutin:	328
5)2nd Flow Start:	277
6)2nd Flow End :	268
7)END 2nd Shutin:	259
14)Final Hydro. :	13873

RECOVERY DATA

NO GAS TO SURFACE. RECOVERED 1.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY NO PERMEABILITY within the interval tested.

TABLE OF CONTENTS

********** RECORDER PAGES & FIGURES **********

LYNES UNITED SERVICES LTD
DST#02 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 1409.00m to 1429.00m
Test Date : 81/05/23
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 453421
Unit Number :

Started in hole at : 0900 hrs
Tool opened at : 1112 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#2 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : BOUDREAULT J
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Very weak air blow on preflow, no gas to surface.
No blow on final flow, no gas to surface.

TOTAL LIQUID RECOVERY : 1.00m

Btm. Hole Sampler #:
Sent to:

1.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#02
SOQUIP PETROFINA BAIE DE GASPE N#1
1409.00m to 1429.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
PORTED COMB. SUB	.31
OUT. REC CARRIER	2.04
SPACING	6.20
CROSS OVER SUB	.30
DRILL COLLAR	9.40
CROSS OVER SUB	.30
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 17236.00kPa
DEPTH : 1400.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 23097.00kPa
DEPTH : 1411.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 23.30C
DEPTH : 1411.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20339.00kPa
DEPTH : 1411.00m

******** TOOL TOTAL 35.12

DRILL COLLARS

ID= 73.0mm: 167.89

DRILL PIPE

OD=114.3mm: 1235.92

COLLAR-PIPE TOTAL 1403.81

STICK UP ABOVE TABLE : 7.78
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 20.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

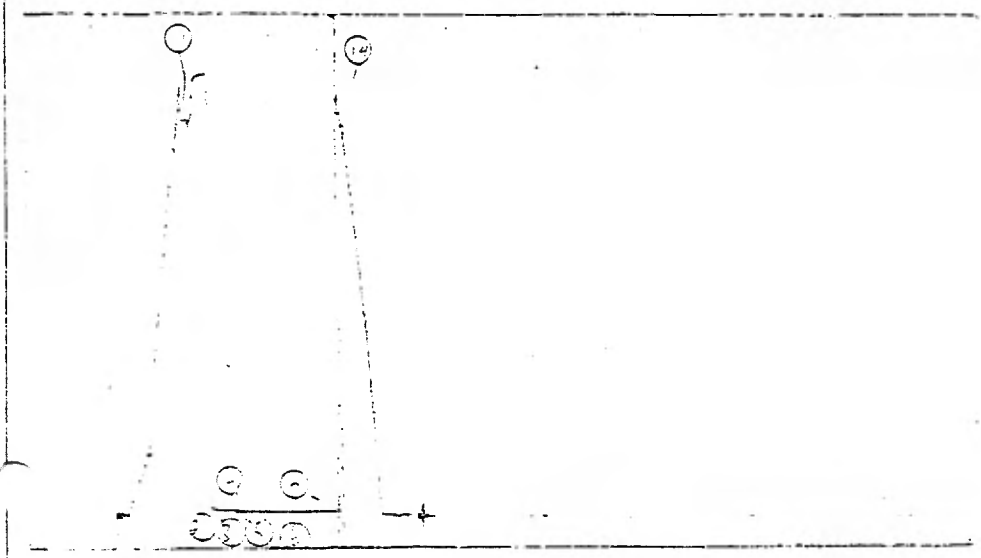
Calipered Hole Size @ Test Depth: 225.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : NO
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 23.3C

DST#02
SOQUIP PETROFINA BAIE DE GASPE N#1
1409.00m to 1429.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1400.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 17236.00kPa

	PRESSU kPa
1) Intial Hydro. :	14253
2) 1st Flow Start:	378
3) 1st Flow End :	291
4) END 1st Shutin:	284
5) 2nd Flow Start:	182
6) 2nd Flow End :	204
7) END 2nd Shutin:	226
14) Final Hydro. :	13861

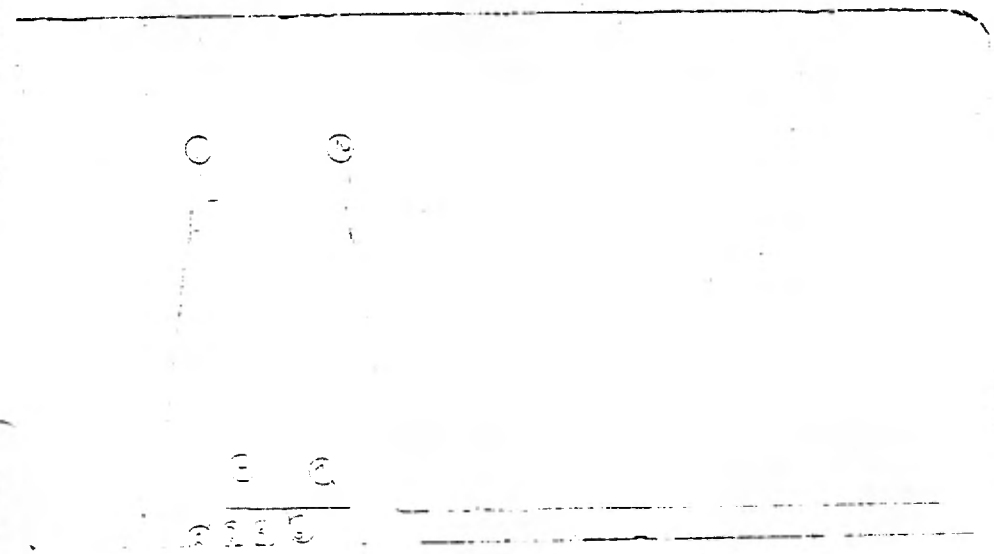


TEST TIMES(MIN)
1st FLOW : 10
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1411.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1) Intial Hydro. :	14227
2) 1st Flow Start:	375
3) 1st Flow End :	335
4) END 1st Shutin:	335
5) 2nd Flow Start:	284
6) 2nd Flow End :	284
7) END 2nd Shutin:	264
14) Final Hydro. :	13837

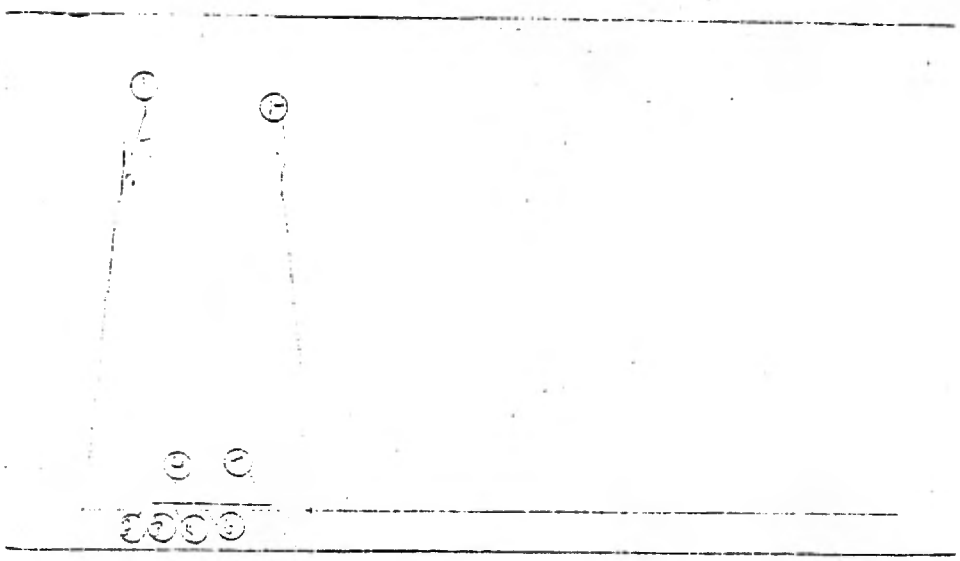


DST#02
SOQUIP PETROFINA BAIE DE GASPE N#1
1409.00m to 1429.00m

PRESSURE RECORDER NUMBER : 013954

DEPTH : 1411.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20339.00kPa

	PRESSU kPa
1)Intial Hydro. :	14276
2)1st Flow Start:	320
3)1st Flow End :	294
4)END 1st Shutin:	328
5)2nd Flow Start:	277
6)2rd Flow End :	268
7)END 2nd Shutin:	259
14)Final Hydro. :	13873



TEST TIMES(MIN)
1st FLOW : 10
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

DST#02
SOQUIP PETROFINA BAIE DE GASPE N#1
1409.00m to 1429.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1411.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

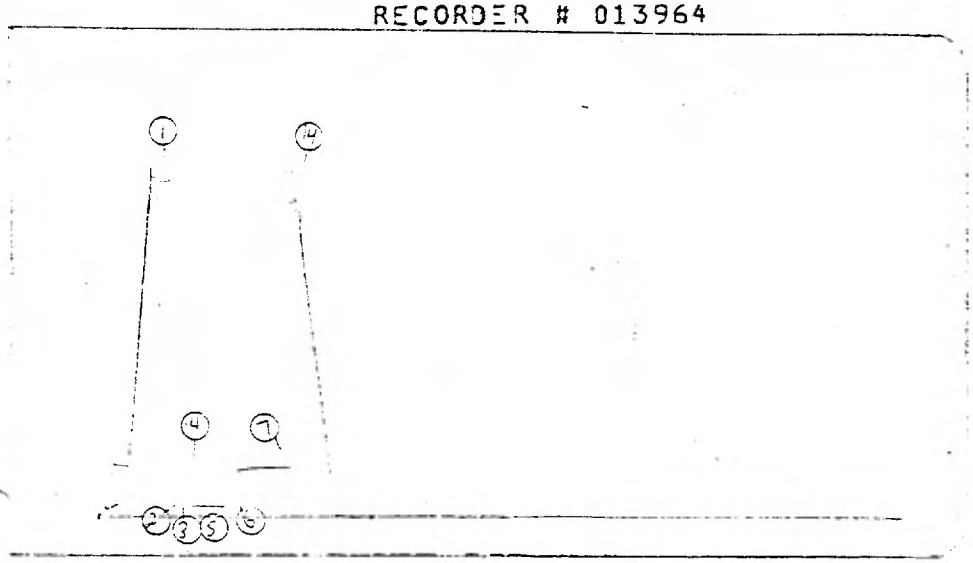
***** TEMPERATURE AT RECORDER DEPTH = 23.3 C

TEST DATE: 81/05/23

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#03
1355.00m to 1375.00m
FORMATION NOT AVAILABLE

DEPTH: 1357.00m

RECORDER # 013964



	PRESSURE kPa
1)Intial Hydro. :	14502.
2)1st Flow Start:	467.
3)1st Flow End :	493.
4)END 1st Shutin:	1961.
5)2nd Flow Start:	475.
6)2nd Flow End :	458.
7)END 2nd Shutin:	2195.
14)Final Hydro. :	14502.

RECOVERY DATA

NO GAS TO SURFACE. TOTAL RECOVERY WAS 18.00 M CONSISTING OF GAS CUT DRILLING MUD AND OIL CUT DRILLING MUD.

REMARKS AND TEST SUMMARY

Bottom hole pressures and the shape of the shut-in curves suggest RELATIVELY LOW PERMEABILITY within the interval tested.
The shape of the shut-in curves suggest deep well bore damage present within the interval tested.
The extrapolated final shut-in pressure is 2 262.00 kPa.

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LYNES UNITED SERVICES LTD
DST#03 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 1355.00m to 1375.00m
Test Date : 81/05/23
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 453431
Unit Number :

Started in hole at : 1800 hrs
Tool opened at : 2005 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#3 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Strong air blow remaining steady throughout preflow, no gas to surface.
Strong air blow decreasing slightly to fair throughout final flow, no gas to surface.

TOTAL LIQUID RECOVERY : 18.00m

3 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

10.0m GAS CUT DRILLING MUD.
8.0m OIL CUT DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00m to 1375.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
OUT. REC CARRIER	2.35
SPACING	6.20
CROSS OVER SUB	.30
DRILL COLLAR	9.40
CROSS OVER SUB	.30
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 17237.00kPa
DEPTH : 1346.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 23097.00kPa
DEPTH : 1357.00m

CLOCK STOPPED
NO READINGS
OBTAINED.

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 22.96C
DEPTH : 1357.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20340.00kPa
DEPTH : 1357.00m

******** TOOL TOTAL 35.12

DRILL COLLARS

ID= 73.0mm: 167.89

DRILL PIPE

OD=114.3mm: 1179.85

COLLAR-PIPE TOTAL 1347.74

STICK UP ABOVE TABLE : 5.63
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 20.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth: 225.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : NO
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 23.0C

DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00 m to 1375.00 m

Location: 400/ 48.536 / 064.305 /00 Recorder Number: 013964
Test Type: INFLATE STRADDLE K.B. Depth: 122.50 m
Formation: FORMATION NOT AVAILABLE Subsea Depth: -1234.50 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE kPa	(T+dt)/dt ABSCISSA	PRESSURE SQUARED kPa^2/10^6
1	INITIAL HYDROSTATIC			14502		
2	START OF 1st FLOW	0.0		467		
3	END OF 1st FLOW	5.0		493		
4	END OF 1st SHUTIN	30.0		1961		
5	START OF 2nd FLOW	0.0		475		
6	END OF 2nd FLOW	60.0		458		
	2nd SHUTIN PERIOD	0.0		458		
		4.0	467	925	17.2500	.8556
		6.0	708	1166	11.8333	1.3596
		8.0	899	1357	9.1250	1.8414
		10.0	1097	1555	7.5000	2.4180
		12.0	1218	1676	6.4167	2.8090
		14.0	1339	1797	5.6429	3.2292
		16.0	1400	1858	5.0625	3.4522
		18.0	1469	1927	4.6111	3.7133
		20.0	1512	1970	4.2500	3.8809
		25.0	1572	2030	3.6000	4.1209
		30.0	1598	2056	3.1667	4.2271
		35.0	1616	2074	2.8571	4.3015
		40.0	1633	2091	2.6250	4.3723
		45.0	1654	2112	2.4444	4.4605
		50.0	1667	2125	2.3000*	4.5156
		55.0	1680	2138	2.1818*	4.5710
		60.0	1685	2143	2.0833*	4.5924
		65.0	1693	2151	2.0000*	4.6268
		70.0	1698	2156	1.9286*	4.6483
		75.0	1702	2160	1.8667*	4.6656
		80.0	1702	2160	1.8125*	4.6656
		85.0	1707	2165	1.7647*	4.6872
		90.0	1711	2169	1.7222*	4.7046

* VALUES USED FOR EXTRAPOLATIONS

DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00 m to 1375.00 m

Location: 400/ 48.536 / 064.305 /00
Test Type: INFLATE STRADDLE
Formation: FORMATION NOT AVAILABLE

Recorder Number: 013964
K.B. Depth: 122.50 m
Subsea Depth: -1234.50 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE kPa	(T+dt)/dt ABSCISSA	PRESSURE SQUARED kPa^2/10^6
		95.0	1719	2177	1.6842*	4.7393
		100.0	1724	2182	1.6500*	4.7611
		105.0	1728	2186	1.6190*	4.7786
		110.0	1728	2186	1.5909*	4.7786
		115.0	1733	2191	1.5652*	4.8005
		120.0	1737	2195	1.5417*	4.8180
7	END OF 2nd SHUTIN	120.0	1737	2195	1.5417*	4.8180
14	FINAL HYDROSTATIC			14502		

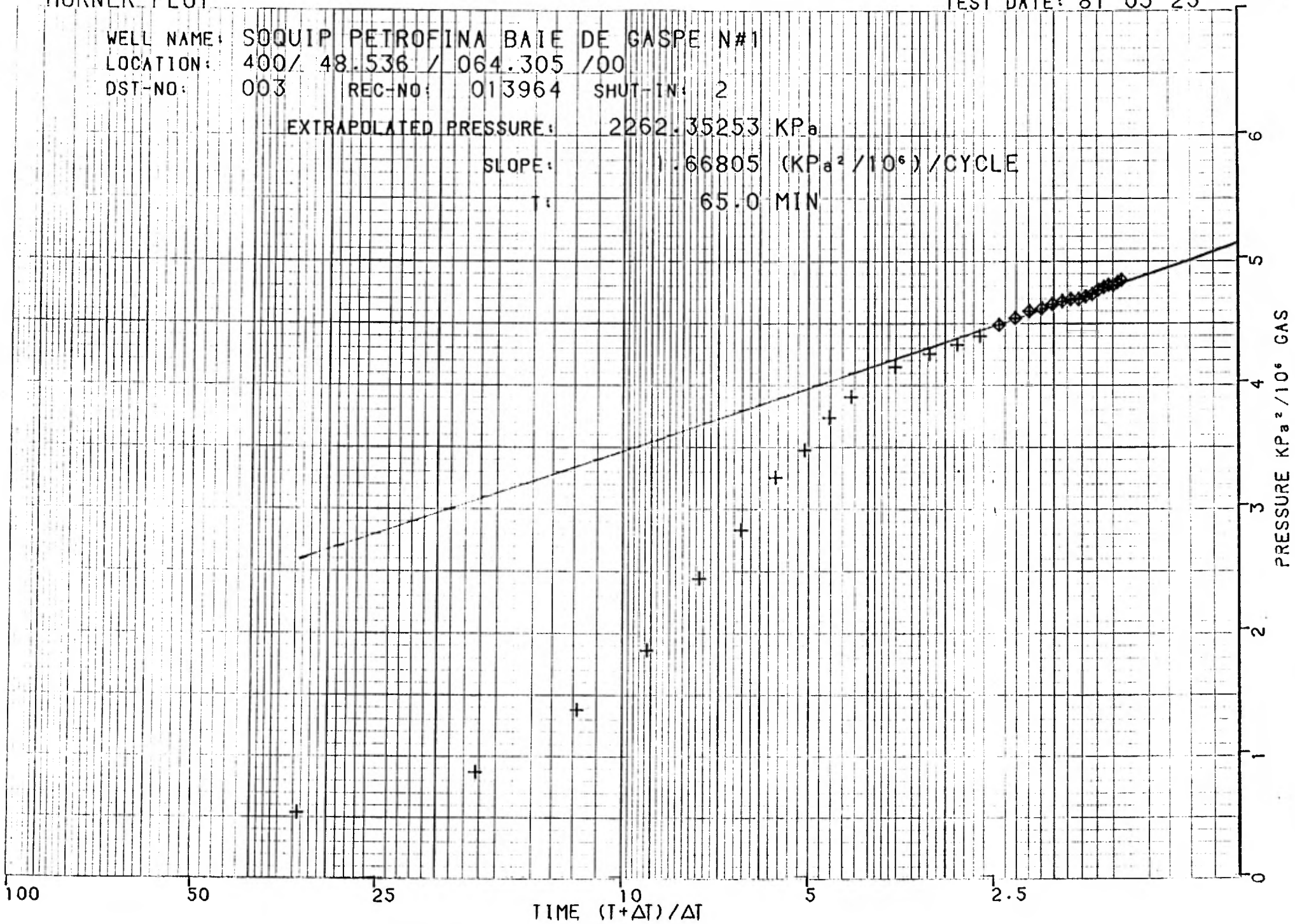
* VALUES USED FOR EXTRAPOLATIONS

HORNER PLOT

TEST DATE: 81 05 23

WELL NAME: SOQUIP PETROFINA BAIE DE GASPE N#1
LOCATION: 400/ 48.536 / 064.305 /00
DST-NO: 003 REC-NO: 013964 SHUT-IN: 2

EXTRAPOLATED PRESSURE: 2262.35253 KPa
SLOPE: 1.66805 (KPa²/10⁶)/CYCLE
T: 65.0 MIN

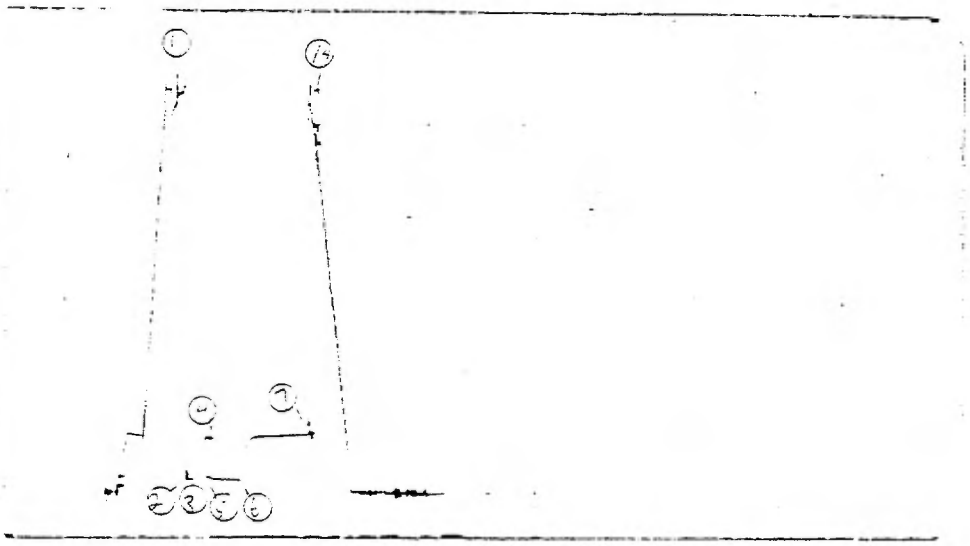


DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00m to 1375.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1346.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 17237.00kPa

	PRESSUR kPa
1)Intial Hydro. :	14489.
2)1st Flow Start:	458.
3)1st Flow End :	458.
4)END 1st Shutin:	1949.
5)2nd Flow Start:	567.
6)2nd Flow End :	458.
7)END 2nd Shutin:	2175.
14)Final Hydro. :	14489.

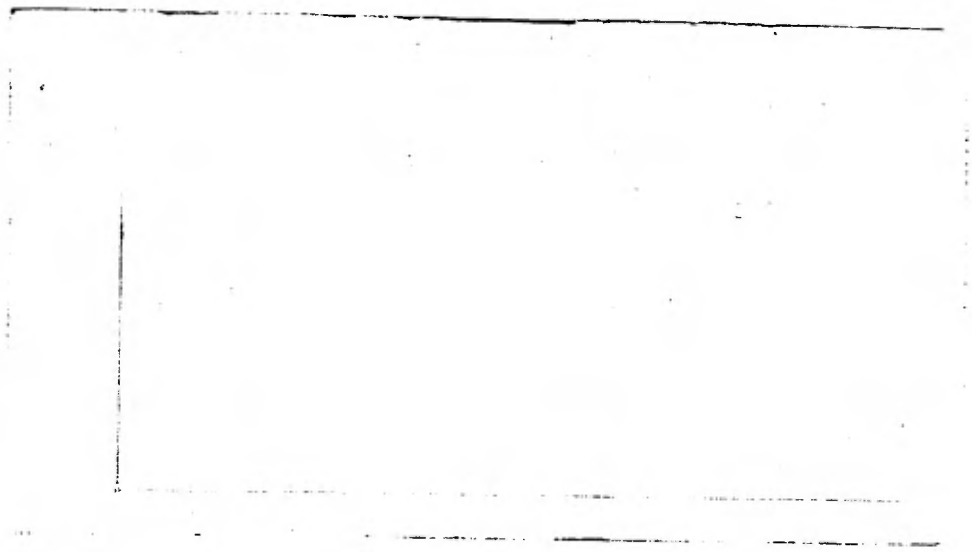


TEST TIMES(MIN)
1st FLOW : 5.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1357.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	
14)Final Hydro. :	



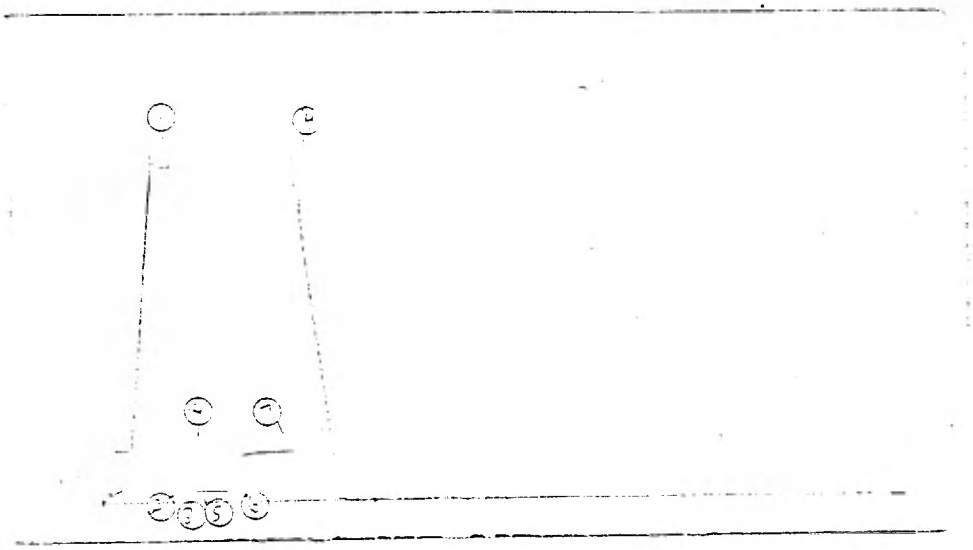
CLOCK STOPPED
NO READINGS
OBTAINED.

DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00m to 1375.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 1357.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20340.00kPa

	PRESSUR kPa
1)Intial Hydro. :	14502.
2)1st Flow Start:	467.
3)1st Flow End :	493.
4)END 1st Shutin:	1961.
5)2nd Flow Start:	475.
6)2nd Flow End :	458.
7)END 2nd Shutin:	2195.
14)Final Hydro. :	14502.



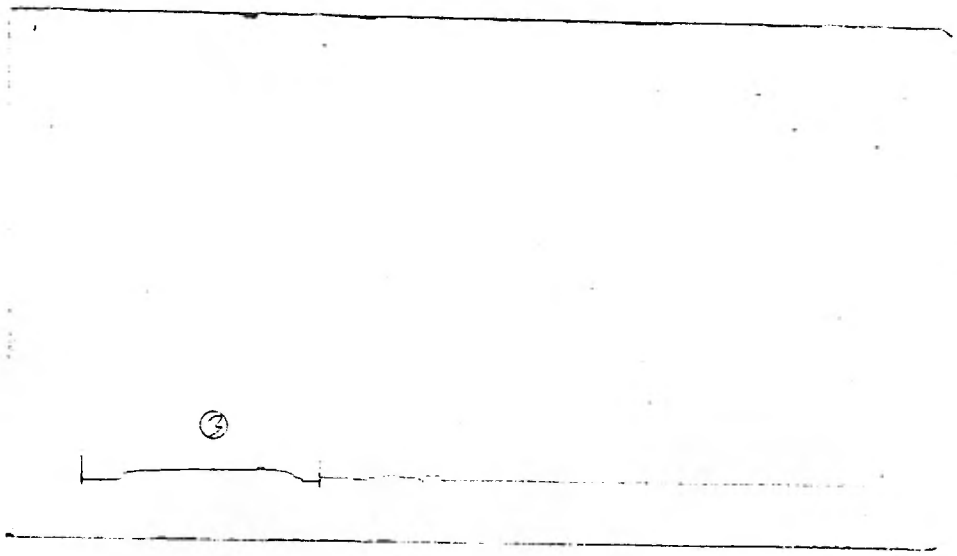
TEST TIMES(MIN)
1st FLOW : 5.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
1355.00m to 1375.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1357.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

***** TEMPERATURE AT RECORDER DEPTH = 23.0 C

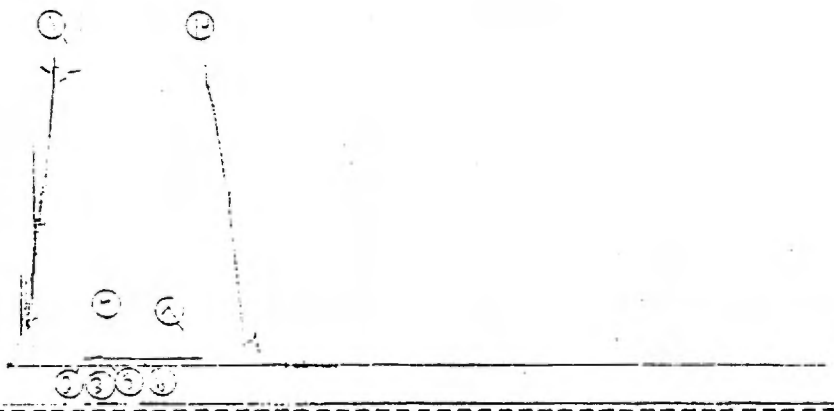


TEST DATE: 81/05/24

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#04
1170.00m to 1198.00m
FORMATION NOT AVAILABLE

DEPTH: 1172.00m

RECORDER # 013964



	PRESSUR kPa
1)Intial Hydro. :	12762
2)1st Flow Start:	311
3)1st Flow End :	294
4)END 1st Shutin:	380
5)2nd Flow Start:	311
6)2nd Flow End :	294
7)END 2nd Shutin:	311
14)Final Hydro. :	12762

RECOVERY DATA

TOTAL FLUID RECOVERY CONSISTS OF 2.00 M OF DRILLING MUD. NO GAS TO SURFACE.

REMARKS AND TEST SUMMARY

Bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY N
PERMEABILITY within the interval tested.
Recorder #8598 - clock stopped; no pressures obtained.

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********** RECORDER PAGES & FIGURES **********

LYNES UNITED SERVICES LTD
DST#04 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 1170.00m to 1198.00m
Test Date : 81/05/24
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 453441
Unit Number : SKBOX

Started in hole at : 0330 hrs
Tool opened at : 0550 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#4 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY P.Q.
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Very weak air blow remaining steady throughout preflow, no gas to surface. Faint air blow decreasing to nil in 5 minutes on valve opening, no gas to surface.

TOTAL LIQUID RECOVERY : 2.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

2.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#04
SOQUIP PETROFINA BAIE DE GASPE N#1
1170.00m to 1198.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PKR.	1.90
PACKER STICK DOWN	1.00
PORTED COMB. SUB	.30
RECORDER CARRIER	2.35
SPACING	4.86
CROSS OVER SUB	.30
DRILL COLLARS	18.74
CROSS OVER SUB	.30
PACKER STICK UP	.15
BOTTOM INFLATE PKR	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 17236.00kPa
DEPTH : 1161.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 23097.00kPa
DEPTH : 1172.00m

CLOCK STOPPED; NO PRESSURES OBATINED.

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 19.26C
DEPTH : 1172.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20340.00kPa
DEPTH : 1172.00m

******** TOOL TOTAL 43.12

DRILL COLLARS

ID= 73.0mm: 158.55

DRILL PIPE

OD=114.3mm: 1000.33

COLLAR-PIPE TOTAL 1158.88

STICK UP ABOVE TABLE : 1.77
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 28.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

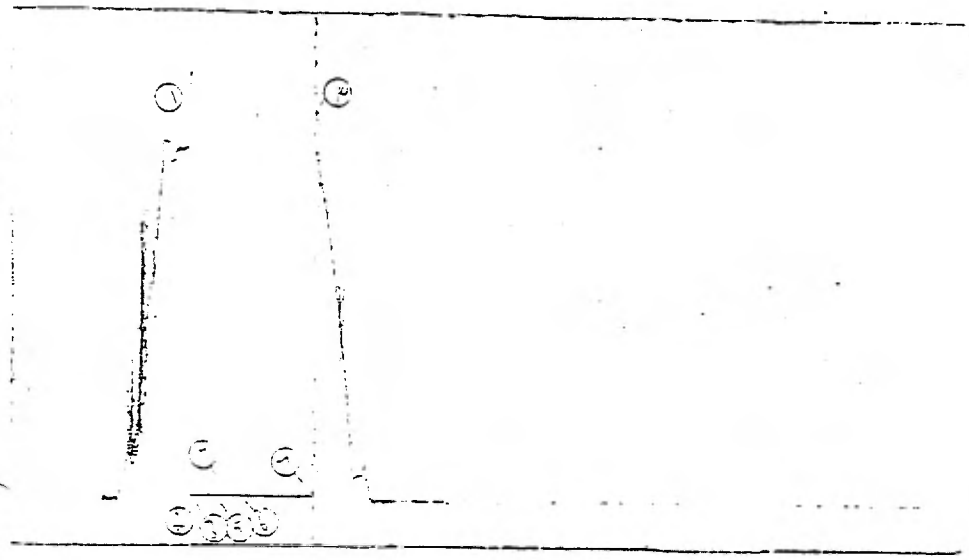
Calipered Hole Size @ Test Depth: 230.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : NO
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 19.3C

DST#04
SOQUIP PETROFINA BAIE DE GASPE N#1
1170.00m to 1198.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1161.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 17236.00kPa

	PRESSU kPa
1)Intial Hydro. :	12647
2)1st Flow Start:	342
3)1st Flow End :	291
4)END 1st Shutin:	327
5)2nd Flow Start:	306
6)2nd Flow End :	291
7)END 2nd Shutin:	298
14)Final Hydro. :	12647

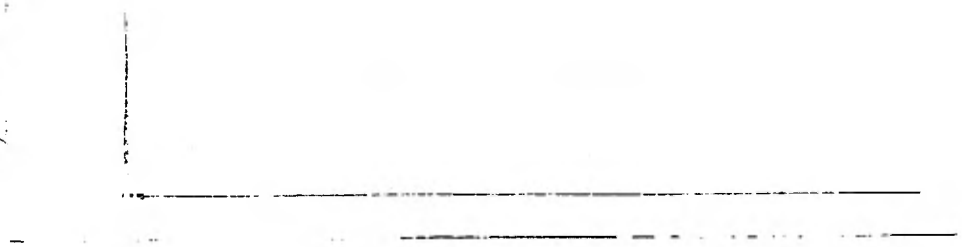


TEST TIMES(MIN)
1st FLOW : 3
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1172.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	
14)Final Hydro. :	



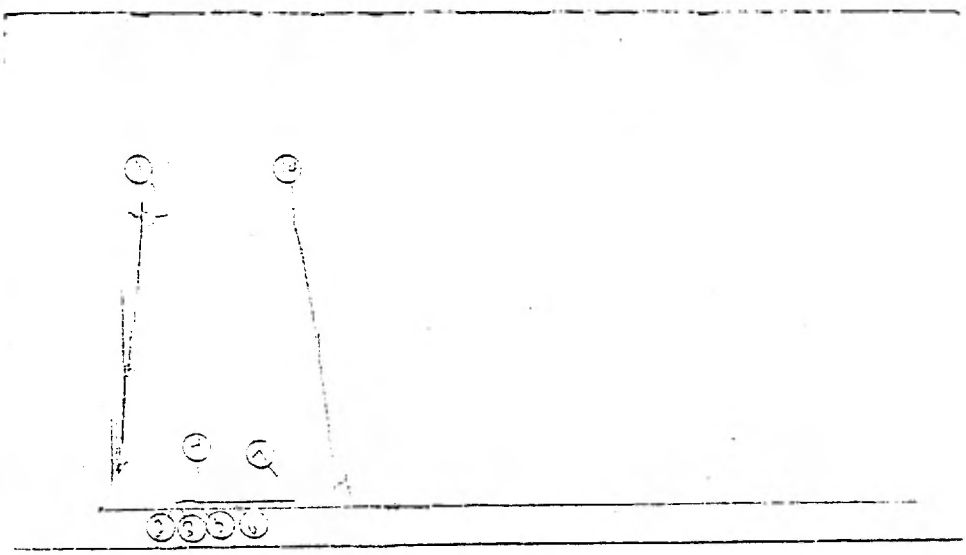
CLOCK STOPPED;
NO PRESSURES
OBATINED.

DST#04
SOQUIP PETROFINA BAIE DE GASPE N#1
1170.00m to 1198.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 1172.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20340.00kPa

	PRESSU kPa
1)Intial Hydro. :	12762
2)1st Flow Start:	311
3)1st Flow End :	294
4)END 1st Shutin:	380
5)2nd Flow Start:	311
6)2nd Flow End :	294
7)END 2nd Shutin:	311
14)Final Hydro. :	12762



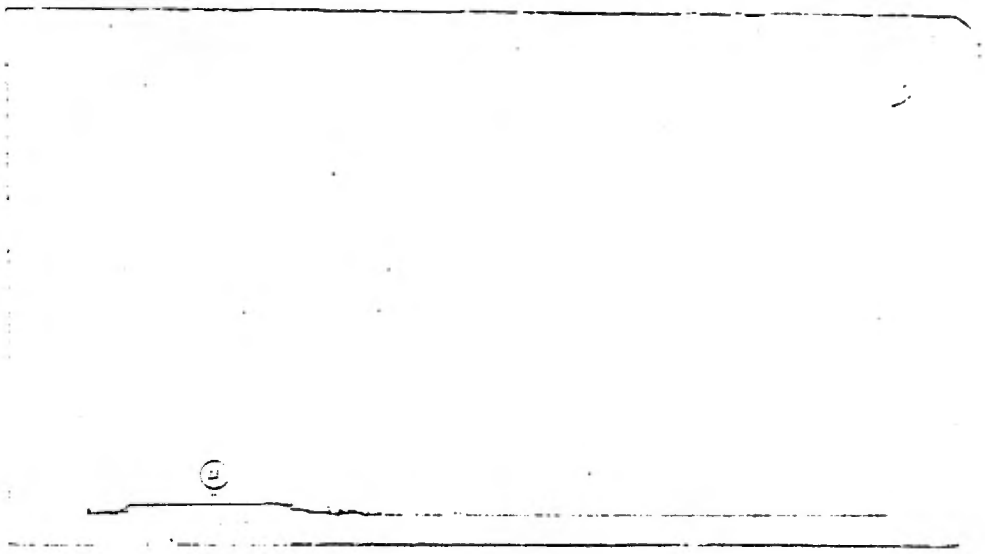
TEST TIMES(MIN)
1st FLOW : 3
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

DST#04
SOQUIP PETROFINA BAIE DE GASPE N#1
1170.00m to 1198.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1172.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

***** TEMPERATURE AT RECORDER DEPTH = 19.3 C



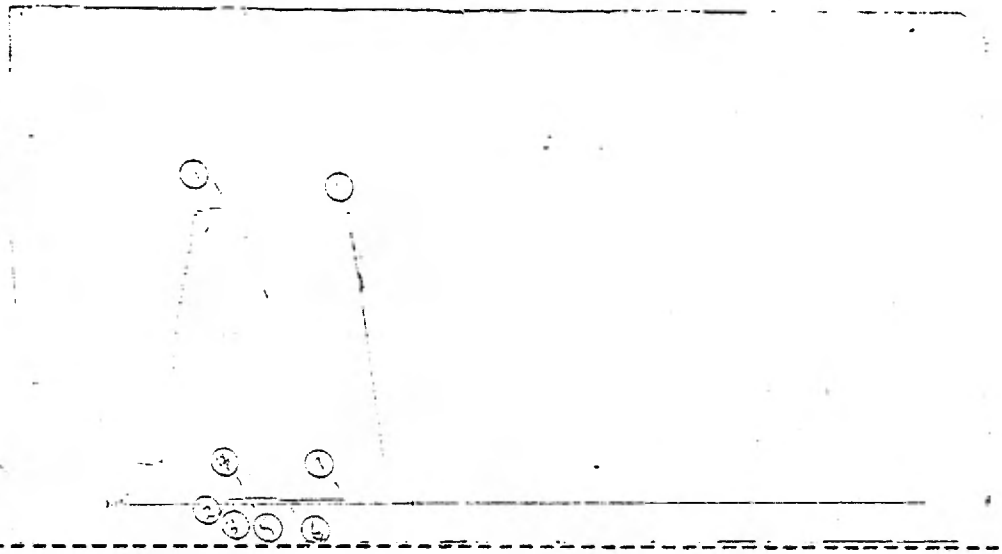
TEST DATE: 81/03/24

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#05
1126.00m to 1161.00m
FORMATION NOT AVAILABLE

DEPTH: 1128.00m

RECORDER # 013964

	PRESSUR kPa
1)Intial Hydro. :	12618
2)1st Flow Start:	86
3)1st Flow End :	207
4)END 1st Shutin:	259
5)2nd Flow Start:	199
6)2nd Flow End :	164
7)END 2nd Shutin:	181
14)Final Hydro. :	12388



RECOVERY DATA

NO GAS TO SURFACE. RECOVERED 2.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

Bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY N PERMEABILITY within the interval tested.

TABLE OF CONTENTS

LYNES UNITED SERVICES LTD
DST#05 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 1126.00m to 1161.00m
Test Date : 81/05/24
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 453451
Unit Number :

Started in hole at : 2000 hrs
Tool opened at : 2304 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#5 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Weak air blow decreasing throughout preflow.
No blow on final flow, no gas to surface.

TOTAL LIQUID RECOVERY : 2.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

2.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#05
SOQUIP PETROFINA BAIE DE GASPE N#1
1126.00m to 1161.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
PORTED COMB. SUB	.31
OUT. REC CARRIER	2.04
SPACING	2.93
CROSS OVER SUB	.30
DRILL COLLARS	27.67
CROSS OVER SUB	.30
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 17237.00kPa
DEPTH : 1117.00m

2) NUMBER : 008598 CLOCK STOPPED
TYPE : K-3 NO READINGS
LOCATION: OUTSIDE OBTAINED.
CAPACITY: 23097.00kPa
DEPTH : 1128.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 17.24C
DEPTH : 1128.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20339.00kPa
DEPTH : 1128.00m

******** TOOL TOTAL 50.12
DRILL COLLARS

ID= 73.0mm: 140.22
DRILL PIPE

OD=114.3mm: 981.35

COLLAR-PIPE TOTAL 1121.57

STICK UP ABOVE TABLE : 8.46
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 35.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

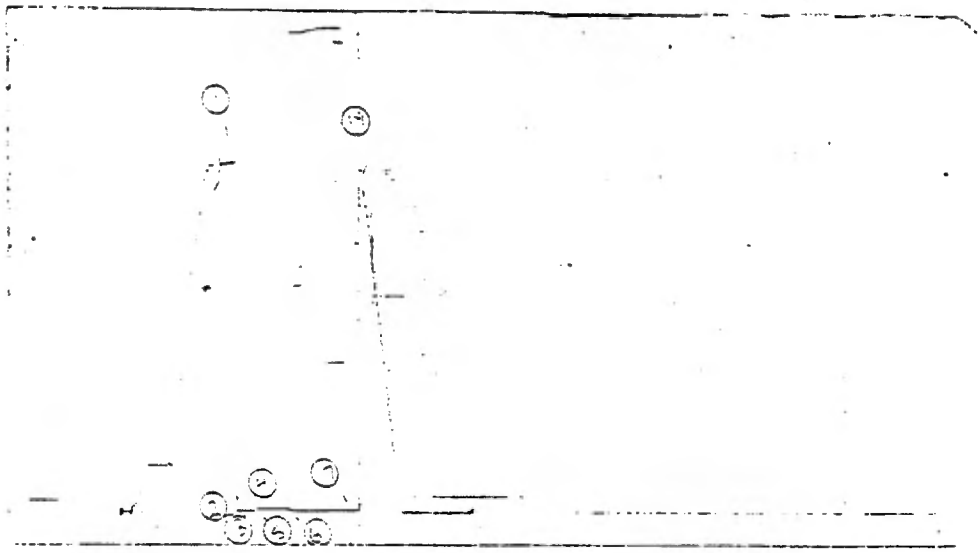
Calipered Hole Size @ Test Depth: 230.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : YES
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 17.2C

DST#05
SOQUIP PETROFINA BAIE DE GASPE N#1
1126.00m to 1161.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1117.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 17237.00kPa

	PRESSU kPa
1)Intial Hydro. :	12596
2)1st Flow Start:	146
3)1st Flow End :	116
4)END 1st Shutin:	211
5)2nd Flow Start:	124
6)2nd Flow End :	116
7)END 2nd Shutin:	131
14)Final Hydro. :	12353

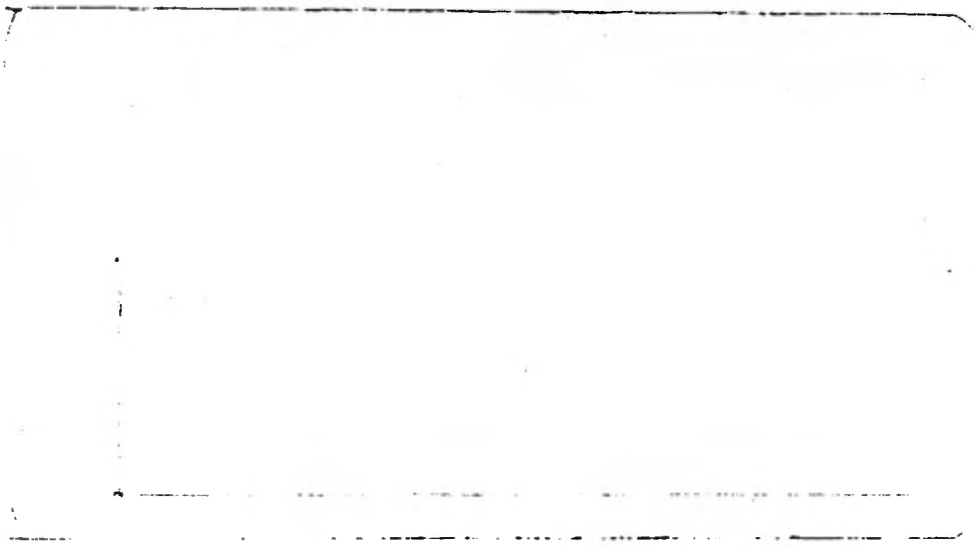


TEST TIMES(MIN)
1st FLOW : 3
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1128.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	
14)Final Hydro. :	



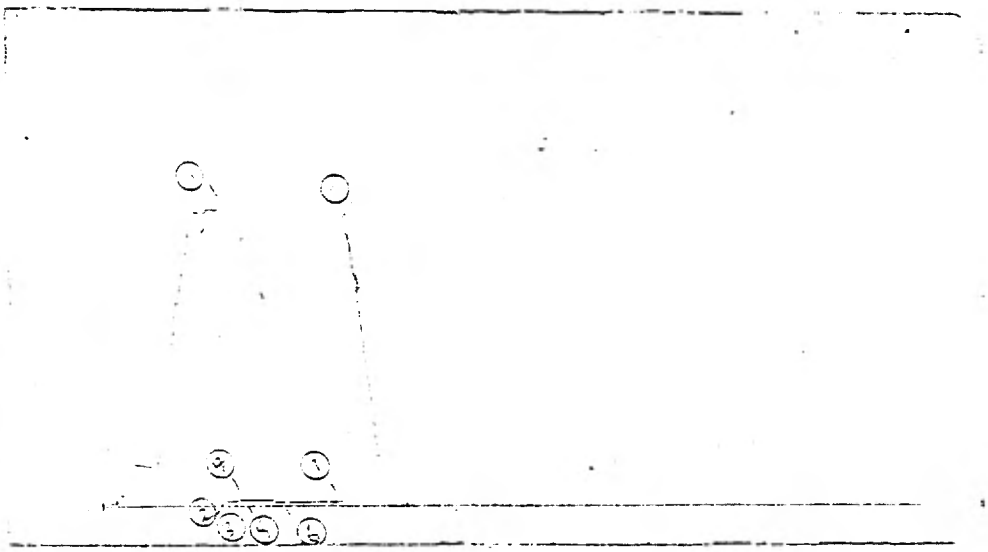
CLOCK STOPPED
NO READINGS
OBTAINED.

DST#05
SOQUIP PETROFINA BAIE DE GASPE N#1
1126.00m to 1161.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 1128.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20339.00kPa

	PRESSU kPa
1)Intial Hydro. :	12618
2)1st Flow Start:	86
3)1st Flow End :	207
4)END 1st Shutin:	259
5)2nd Flow Start:	199
6)2nd Flow End :	164
7)END 2nd Shutin:	181
14)Final Hydro. :	12388



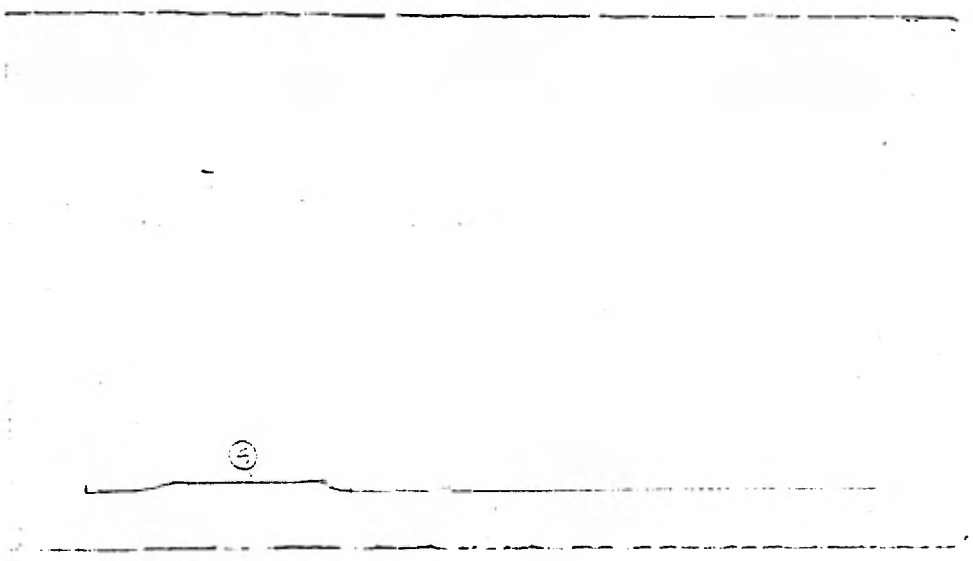
TEST TIMES(MIN)
1st FLOW : 3
SHUTIN: 30
2nd FLOW : 60
SHUTIN:120

DST#05
SOQUIP PETROFINA BAIE DE GASPE N#1
1126.00m to 1161.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1123.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

***** TEMPERATURE AT RECORDER DEPTH = 17.2 C

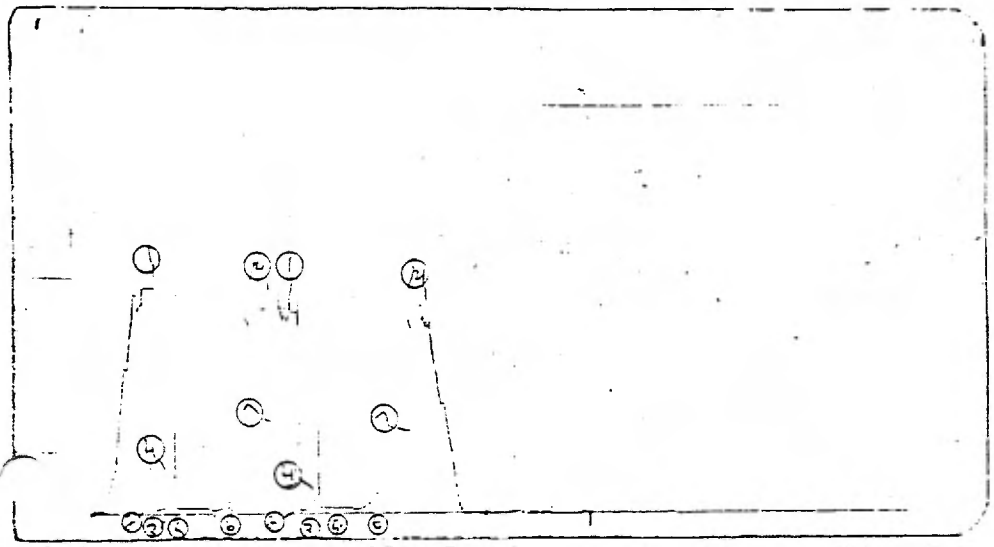


TEST DATE: 81/0[illegible]

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#06
856.00m to 873.00m
FORMATION NOT AVAILABLE

DEPTH: 858.00m

RECORDER # 013964



	PRESSURE kPa
1)Intial Hydro. :	9700.
2)1st Flow Start:	164.
3)1st Flow End :	242.
4)END 1st Shutin:	1616.
5)2nd Flow Start:	285.
6)2nd Flow End :	527.
7)END 2nd Shutin:	4046.
14)Final Hydro. :	9387.

RECOVERY DATA

NO GAS TO SURFACE. TOTAL RECOVERY FOR DST #6 AND #7 WAS 4.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

This is the first of two tests run on the same trip in the hole.
Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest VERY LOW PERMEABILITY within the interval tested.

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********** RECORDER PAGES & FIGURES **********

LYNES UNITED SERVICES LTD
DST#06 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 856.00m to 873.00m
Test Date : 81/05/25
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 45346
Unit Number :

Started in hole at : 0600 hrs
Tool opened at : 0747 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#6 : 1 of 2 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Weak air blow decreasing to nil in 3 minutes on preflow, no gas to surface.
No blow on final flow.

TOTAL LIQUID RECOVERY : 4.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

4.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#06
SOQUIP PETROFINA BAIE DE GASPE N#1
856.00m to 873.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
OUT. REC CARRIER	2.35
SPACING	3.20
CROSS OVER SUB	.30
DRILL COLLAR	9.40
CROSS OVER SUB	.30
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 17237.00kPa
DEPTH : 858.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 23097.00kPa
DEPTH : 847.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 11.52C
DEPTH : 858.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20339.00kPa
DEPTH : 858.00m

******** TOOL TOTAL 32.12
DRILL COLLARS

ID= 73.0mm: 148.48
DRILL PIPE

OD=114.3mm: 698.42

COLLAR-PIPE TOTAL 846.90

STICK UP ABOVE TABLE : 3.79
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 17.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

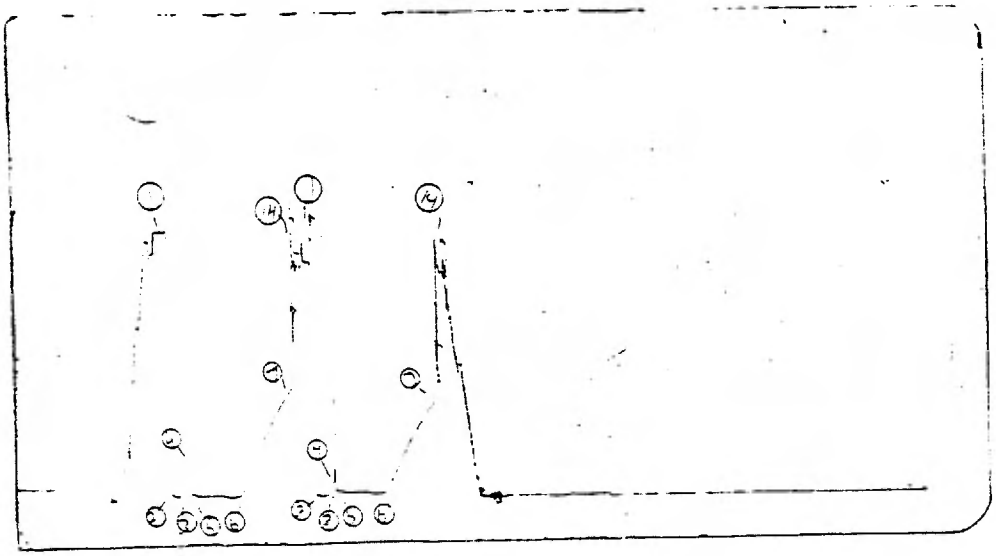
Calibered Hole Size @ Test Depth: 230.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : NO
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 11.5C

DST#06
SOQUIP PETROFINA BAIE DE GASPE N#1
856.00m to 873.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 858.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 17237.00kPa

	PRESSURE kPa
1)Intial Hydro. :	9859.
2)1st Flow Start:	327.
3)1st Flow End :	247.
4)END 1st Shutin:	1622.
5)2nd Flow Start:	342.
6)2nd Flow End :	240.
7)END 2nd Shutin:	4072.
14)Final Hydro. :	9859.

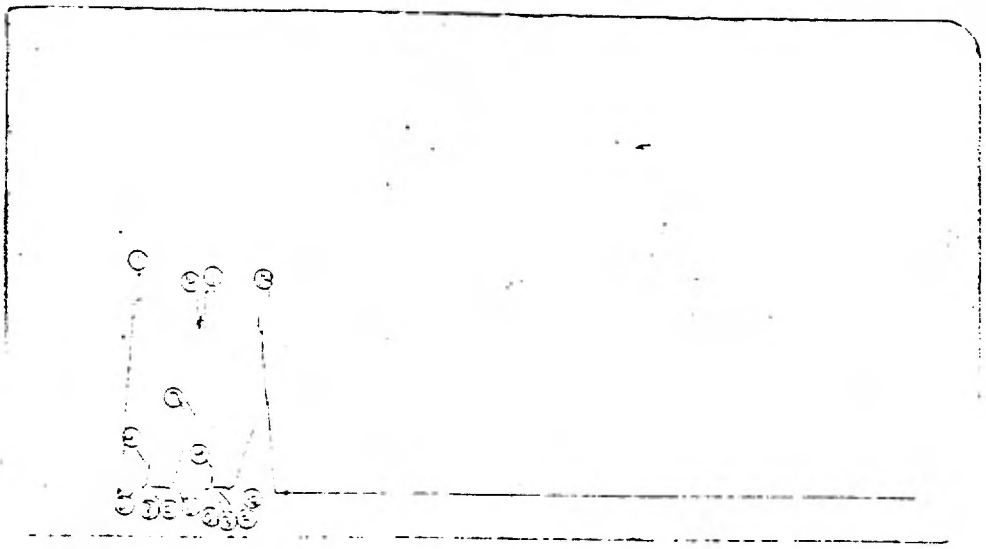


TEST TIMES(MIN)
1st FLOW : 3.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

PRESSURE RECORDER NUMBER : 008598

DEPTH : 847.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	9715.
2)1st Flow Start:	264.
3)1st Flow End :	385.
4)END 1st Shutin:	1612.
5)2nd Flow Start:	335.
6)2nd Flow End :	507.
7)END 2nd Shutin:	4092.
14)Final Hydro. :	9396.

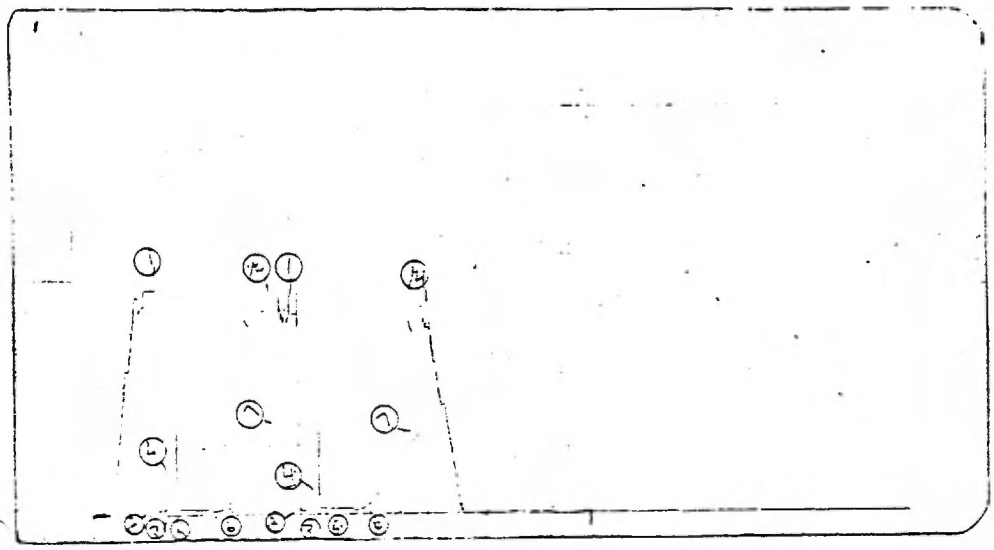


DST#03
SOQUIP PETROFINA BAIE DE GASPE N#1
856.00m to 873.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 858.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 20339.00kPa

	PRESSURE kPa
1)Intial Hydro. :	9700.
2)1st Flow Start:	164.
3)1st Flow End :	242.
4)END 1st Shutin:	1616.
5)2nd Flow Start:	285.
6)2nd Flow End :	527.
7)END 2nd Shutin:	4046.
14)Final Hydro. :	9387.



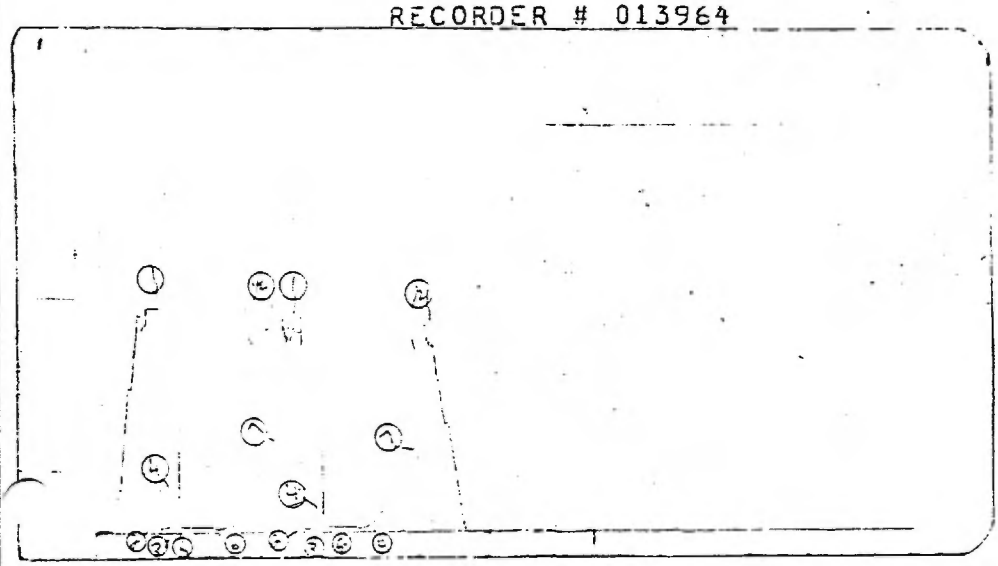
TEST TIMES(MIN)
1st FLOW : 3.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

TEST DATE: 81/09/23

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#07
810.00m to 827.00m
FORMATION NOT AVAILABLE

DEPTH: 812.00m

RECORDER # 013964



	PRESSURE kPa
1)Intial Hydro. :	8644.
2)1st Flow Start:	78.
3)1st Flow End :	259.
4)END 1st Shutin:	821.
5)2nd Flow Start:	285.
6)2nd Flow End :	320.
7)END 2nd Shutin:	3532.
14)Final Hydro. :	8644.

RECOVERY DATA

NO GAS TO SURFACE. TOTAL RECOVERY FOR DST #6 AND #7 WAS 4.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

This is the second of two tests run on the same trip in the hole. Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest VERY LOW PERMEABILITY within the interval tested.

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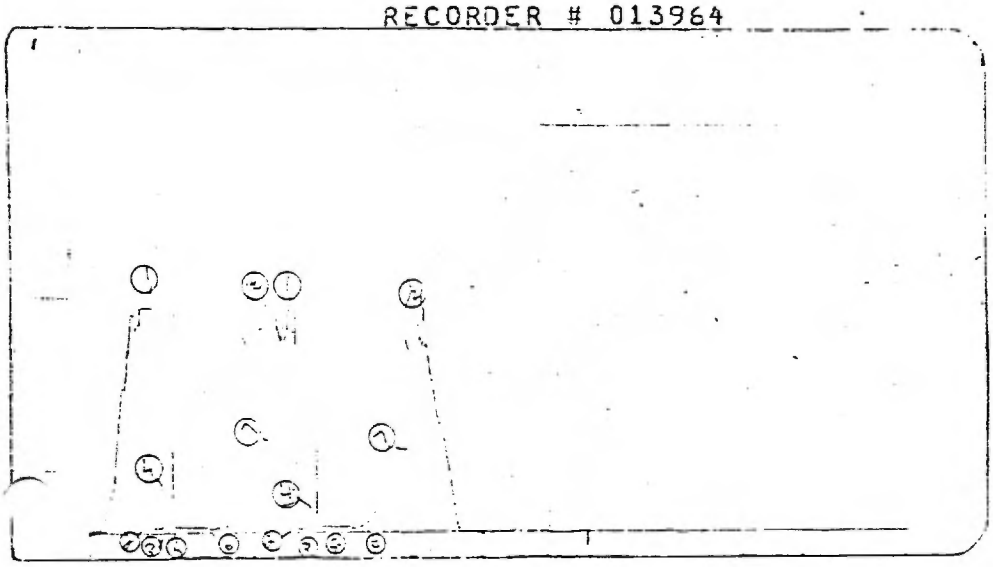
TEST DATE: 81/0[illegible]/25

SOQUIP PETROFINA BAIE DE GASPE N#1
400/ 48.536 / 064.305 /00
DST#07
810.00m to 827.00m
FORMATION NOT AVAILABLE

DEPTH: 812.00m

RECORDER # 013964



	PRESSURE kPa
1)Intial Hydro. :	8644.
2)1st Flow Start:	78.
3)1st Flow End :	259.
4)END 1st Shutin:	821.
5)2nd Flow Start:	285.
6)2nd Flow End :	320.
7)END 2nd Shutin:	3532.
14)Final Hydro. :	8644.

RECOVERY DATA

NO GAS TO SURFACE. TOTAL RECOVERY FOR DST #6 AND #7 WAS 4.00 M OF DRILLING MUD.

REMARKS AND TEST SUMMARY

This is the second of two tests run on the same trip in the hole. Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest VERY LOW PERMEABILITY within the interval tested.

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********** RECORDER PAGES & FIGURES **********

LYNES UNITED SERVICES LTD
DST#07 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 810.00m to 827.00m
Test Date : 81/05/25
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 45347
Unit Number :

Started in hole at : 0600 hrs
Tool opened at : 1159 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#7 : 2 of 2 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY, QUEBEC
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Faint air blow decreasing to nil in 2 minutes on preflow.
No blow on final flow, no gas to surface.

TOTAL LIQUID RECOVERY : 4.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

4.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#07
SOQUIP PETROFINA BAIE DE GASPE N#1
810.00m to 827.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PACKER	1.90
PACKER STICK DOWN	1.00
OUT. REC CARRIER	2.35
SPACING	3.20
CROSS OVER SUB	.30
DRILL COLLAR	9.40
CROSS OVER SUB	.30
PACKER STICK UP	.45
BTM INFLATE PACKER	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 17237.00kPa
DEPTH : 812.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 23097.00kPa
DEPTH : 801.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 13.54C
DEPTH : 812.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20339.00kPa
DEPTH : 812.00m

******** TOOL TOTAL 32.12

DRILL COLLARS

ID= 73.0mm: 148.48

DRILL PIPE

OD=114.3mm: 651.96

COLLAR-PIPE TOTAL 800.44

STICK UP ABOVE TABLE : 3.33
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 17.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

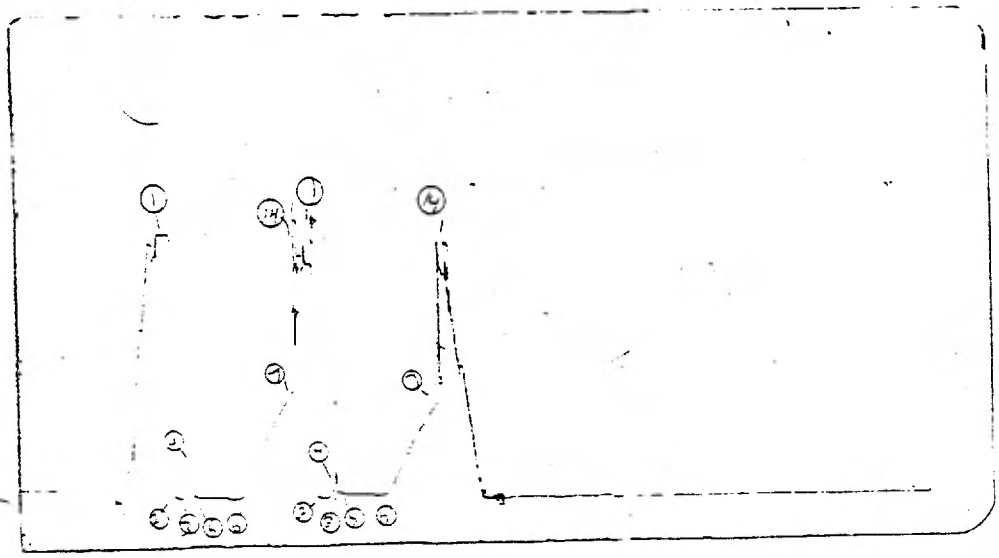
Calipered Hole Size @ Test Depth: 230.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
ole Conditioned Prior to Test? : NO
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 13.5C

DST#07
SOQUIP PETROFINA BAIE DE GASPE N#1
810.00m to 827.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 812.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 17237.00kPa

	PRESSUR kPa
1)Intial Hydro. :	8630.
2)1st Flow Start:	189.
3)1st Flow End :	189.
4)END 1st Shutin:	720.
5)2nd Flow Start:	378.
6)2nd Flow End :	255.
7)END 2nd Shutin:	3539.
14)Final Hydro. :	8630.

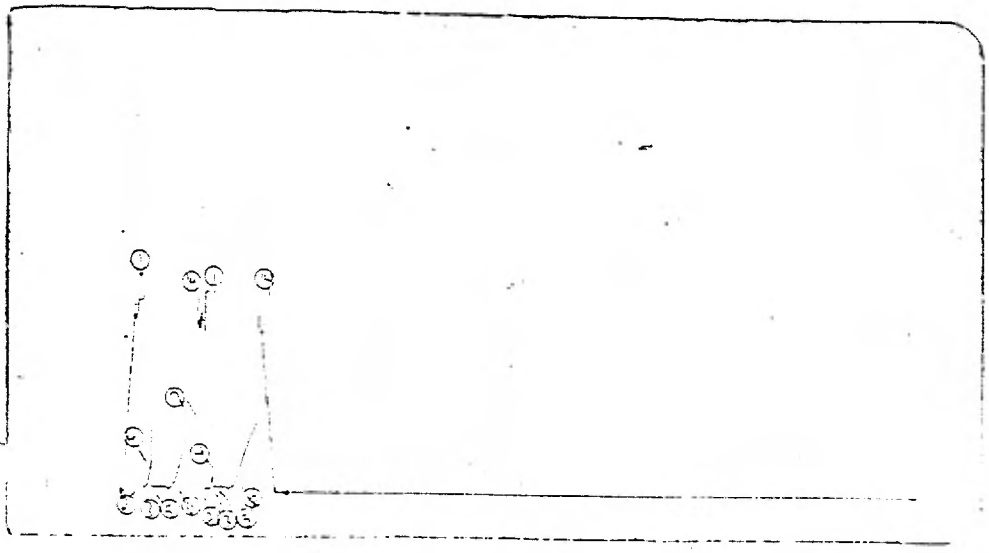


TEST TIMES(MIN)
1st FLOW : 3.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

PRESSURE RECORDER NUMBER : 008598

DEPTH : 801.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 23097.00kPa

	PRESSURE kPa
1)Intial Hydro. :	8691.
2)1st Flow Start:	193.
3)1st Flow End :	213.
4)END 1st Shutin:	771.
5)2nd Flow Start:	304.
6)2nd Flow End :	314.
7)END 2nd Shutin:	3526.
14)Final Hydro. :	8691.



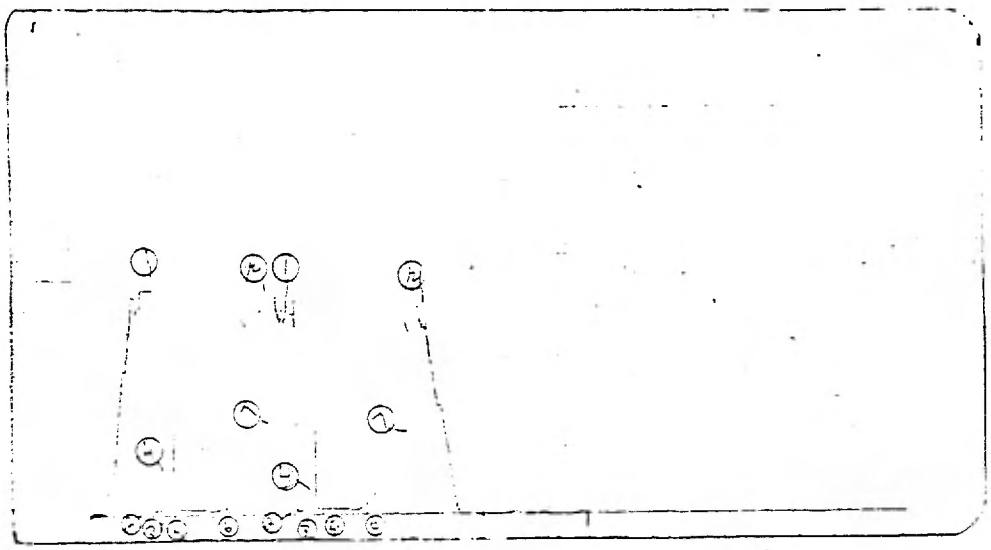
DST#07
SODUIP PETROFINA BAIE DE GASPE N#1
810.00m to 827.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 812.00m
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 20339.00kPa

	PRESSURE kPa
1)Intial Hydro. :	8644.
2)1st Flow Start:	78.
3)1st Flow End :	259.
4)END 1st Shutin:	821.
5)2nd Flow Start:	285.
6)2nd Flow End :	320.
7)END 2nd Shutin:	3532.
14)Final Hydro. :	8644.



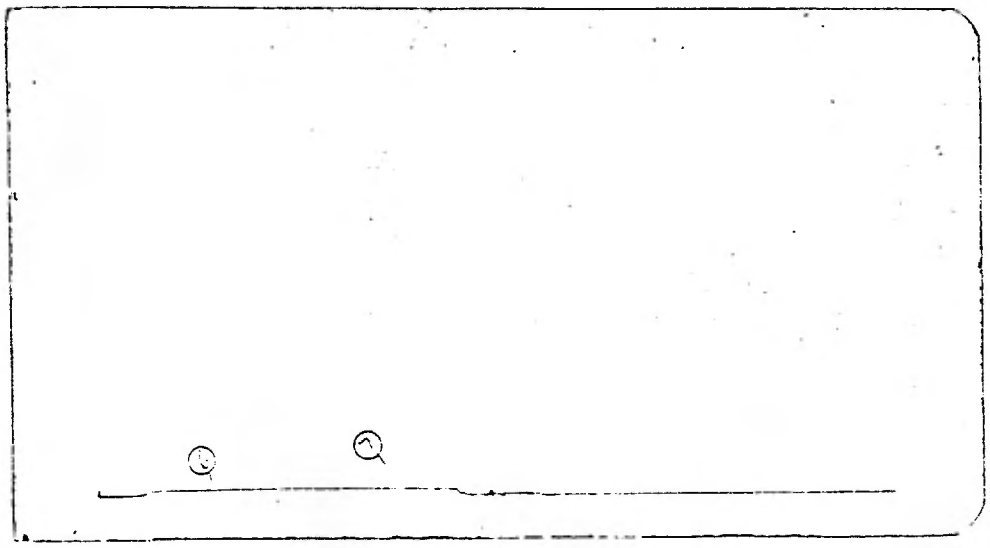
TEST TIMES(MIN)
1st FLOW : 3.
SHUTIN: 30.
2nd FLOW : 60.
SHUTIN:120.

DST: 07
SOQUIP PETROFINA BAIE DE GASPE N#1
810.00m to 827.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 812.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

***** TEMPERATURE AT RECORDER DEPTH = 13.5 C

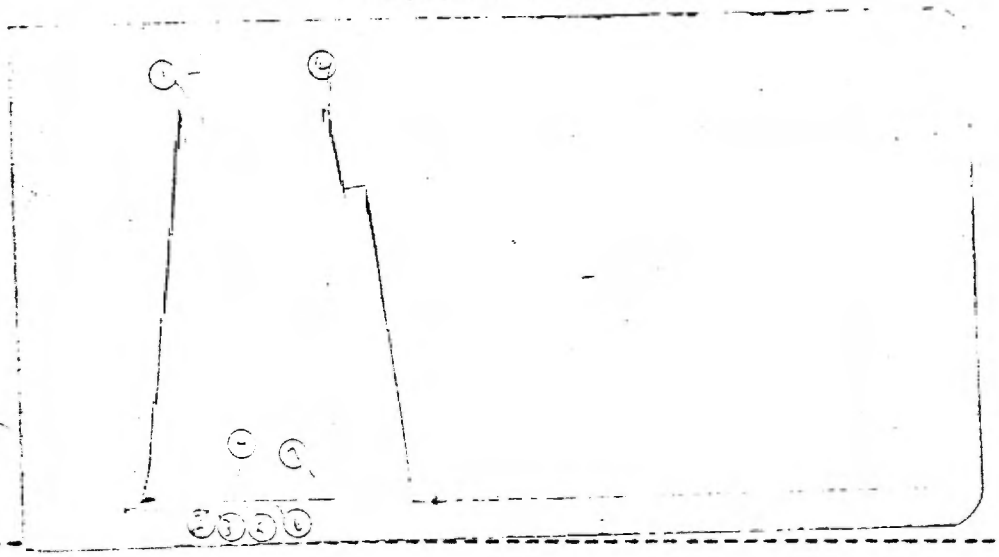


TEST DATE: 01/00

SOQUIP PETROFINA BAIE DE GASPE #1
400/ 48.536 / 064.305 /00
DST#08
1570.00m to 1585.00m
FORMATION NOT AVAILABLE

DEPTH: 1572.00m

RECORDER # 013964



	PRESSURE kPa
1)Intial Hydro. :	17153.
2)1st Flow Start:	285.
3)1st Flow End :	277.
4)END 1st Shutin:	285.
5)2nd Flow Start:	251.
6)2rd Flow End :	242.
7)END 2nd Shutin:	242.
14)Final Hydro. :	17102.

RECOVERY DATA

TOTAL FLUID RECOVERY CONSISTS OF 2.00 M OF DRILLING MUD. NO GAS TO SURFACE.

REMARKS AND TEST SUMMARY

Test results indicate a mechanically successful test; bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY NO PERMEABILITY within the interval tested.

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LYNES UNITED SERVICES LTD
DST#08 REPORT

Well name : SOQUIP PETROFINA BAIE DE GASPE N#1
Location : 400/ 48.536 / 064.305 /00
Interval : 1570.00m to 1585.00m
Test Date : 81/05/26
Test Type : INFLATE STRADDLE
Formation : FORMATION NOT AVAILABLE

K.B.Elevation : 122.50m
Grd.Elevation : 117.23m
TD @ test Date: 2771.00m
Ticket Number : 45348
Unit Number :

Started in hole at : 0800 hrs
Tool opened at : 1012 hrs
Reverse circulated?: NO
Contractor & Rig No: REGENT #6
Lynes#8 : 1 of 1 on the same trip.

Company: SOQUIP
3340 DELA PERADE
STE. FOY P.Q.
G1X 2N7

Company Rep : TESSIER Y
Testers : WARD K

5 Report(s) to: PIERRE HOULE

BLOW DESCRIPTION

Weak air blow decreasing to nil on preflow.
No blow on valve opening.

TOTAL LIQUID RECOVERY : 2.00m

1 Fluid Samples to: QUEBEC

Btm. Hole Sampler #:
Sent to:

2.0m DRILLING MUD.

GAS MEASUREMENTS Device:
Riser:

Bomb#:
Sent to:

No Gas Measurements

DST#08
SOQUIP PETROFINA BAIE DE GASPE N#1
1570.00m to 1585.00m

TOOL SEQUENCE

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
HYDRAULIC TOOL	1.52
INSIDE REC CARRIER	1.38
HYDRAULIC JARS	1.46
SAFETY JOINT	.61
INFLATE PUMP	2.35
SCREEN	1.45
TOP INFLATE PKR.	1.90
PACKER STICK DOWN	1.00
PORTED COMB. SUB	.31
RECORDER CARRIER	2.04
SPACING	1.20
CROSS OVER SUB	.30
DRILL COLLAR	9.40
CROSS OVER SUB	.30
PACKER STICK UP	.45
BOTTOM INFLATE PKR	1.68
BELLY SPRING	2.17

RECORDER SUMMARY

1) NUMBER : 007498
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 17237.00kPa
DEPTH : 1572.00m

2) NUMBER : 008598
TYPE : K-3
LOCATION: INSIDE
CAPACITY: 23097.00kPa
DEPTH : 1561.00m

3) NUMBER : 013911
TYPE : K-3T
LOCATION: OUTSIDE
CAPACITY: 29.79C
DEPTH : 1572.00m

4) NUMBER : 013964
TYPE : K-3
LOCATION: OUTSIDE
CAPACITY: 20340.00kPa
DEPTH : 1572.00m

******** TOOL TOTAL 30.12
DRILL COLLARS

ID= 73.0mm: 140.31
DRILL PIPE

OD=114.3mm: 1422.55

COLLAR-PIPE TOTAL 1562.86

STICK UP ABOVE TABLE : 5.75
TOOL ABOVE INTERVAL : 11.27
TOTAL INTERVAL : 15.00
BOTTOM CHOKE SIZE: 25.40 mm 2 PACKERS;Length= 1.68m Diam.=194.0mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth: 225.00mm Water Loss :
Hole Condition at Test Time : FAIR Filter Cake:
Hole Conditioned Prior to Test? : YES
Mud Weight : 1040.0 kg/m3 Main Hole Size: 222.00mm
Mud Type : KCL
Viscosity : 65.0s/l Temperature @2771.00m = 29.8C

DST-08

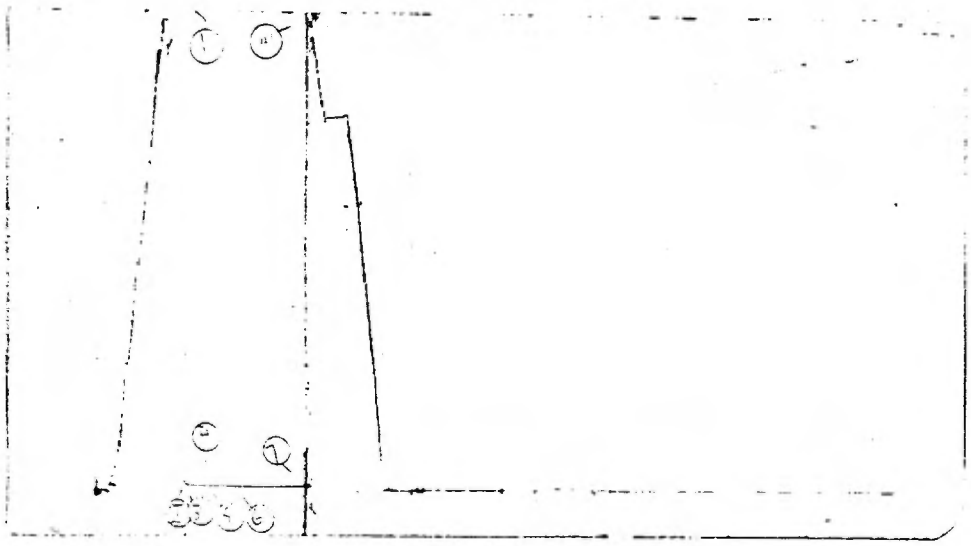
SODUIP PETROFINA BAIE DE GASPE N#1

1570.00m to 1585.00m

PRESSURE RECORDER NUMBER : 007498

DEPTH : 1572.00m LOCATION : OUTSIDE

TYPE : K-3 CAPACITY : 17237.00kPa



	PRESSURE kPa
1)Intial Hydro.	:17279.
2)1st Flow Start:	356.
3)1st Flow End :	276.
4)END 1st Shutin:	284.
5)2nd Flow Start:	255.
6)2nd Flow End :	218.
7)END 2nd Shutin:	218.
14)Final Hydro.	:17051.

TEST TIMES(MIN)

1st FLOW : 3.

SHUTIN: 30.

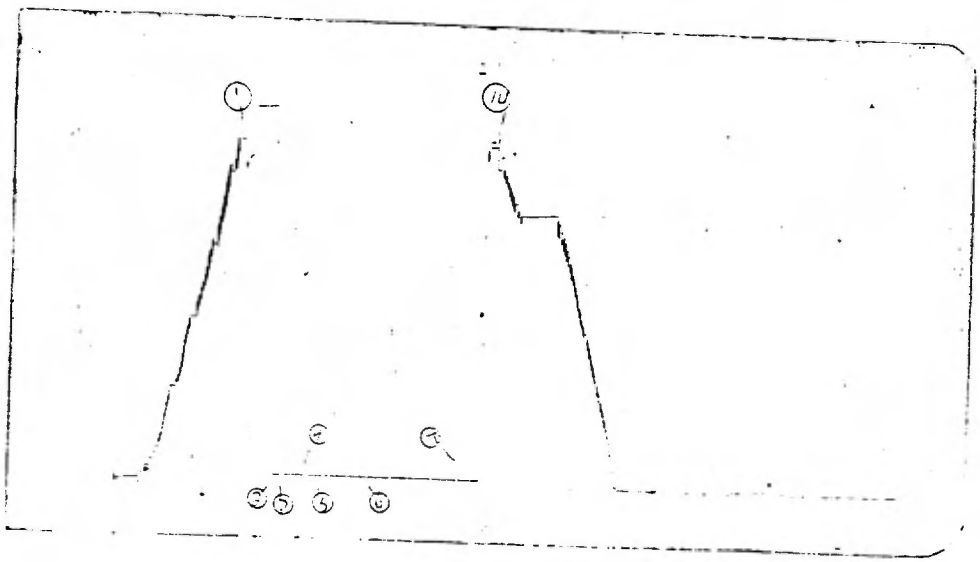
2nd FLOW : 60.

SHUTIN:120.

PRESSURE RECORDER NUMBER : 008598

DEPTH : 1561.00m LOCATION : INSIDE

TYPE : K-3 CAPACITY : 23097.00kPa



	PRESSURE kPa
1)Intial Hydro.	:17141.
2)1st Flow Start:	264.
3)1st Flow End :	264.
4)END 1st Shutin:	274.
5)2nd Flow Start:	264.
6)2nd Flow End :	223.
7)END 2nd Shutin:	223.
14)Final Hydro.	:17018.

ST-08

SOQUIP PETROFINA BAIE DE GASPE #1

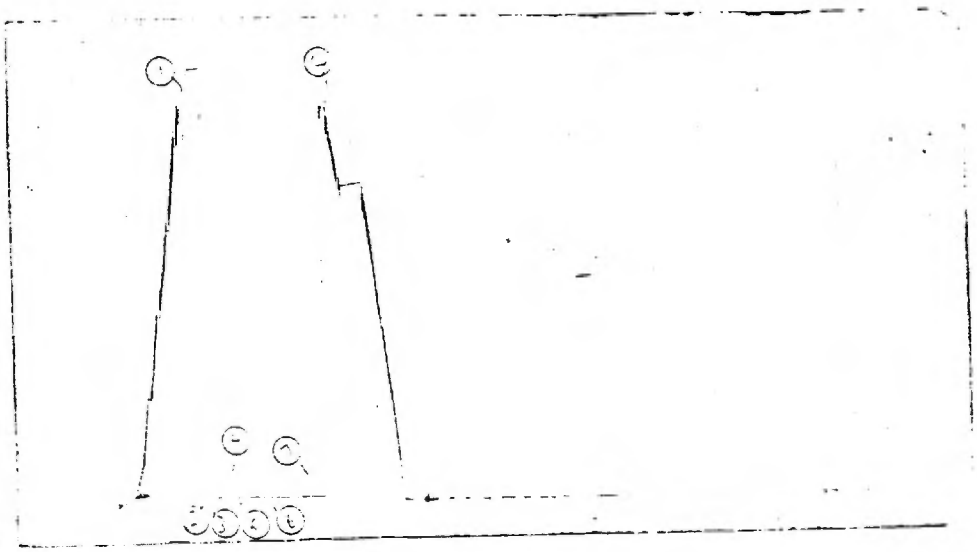
1570.00m to 1585.00m

PRESSURE RECORDER NUMBER : 013964

DEPTH : 1572.00m LOCATION : OUTSIDE

TYPE : K-3 CAPACITY : 20340.00kPa

	PRESSURE kPa
1) Intial Hydro. :	17153.
2) 1st Flow Start:	285.
3) 1st Flow End :	277.
4) END 1st Shutin:	285.
5) 2nd Flow Start:	251.
6) 2nd Flow End :	242.
7) END 2nd Shutin:	242.
14) Final Hydro. :	17102.



TEST TIMES(MIN)

1st FLOW : 3.

SHUTIN: 30.

2nd FLOW : 60.

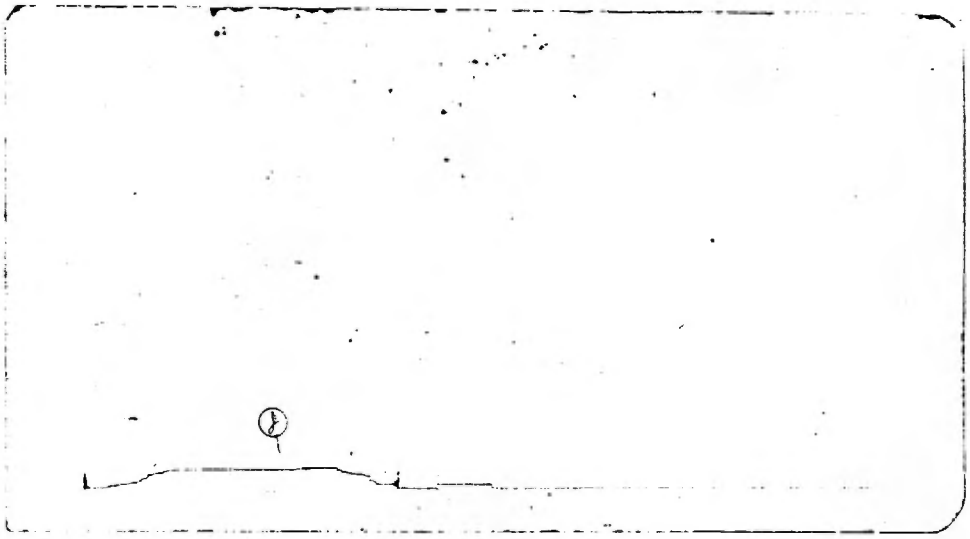
SHUTIN:120.

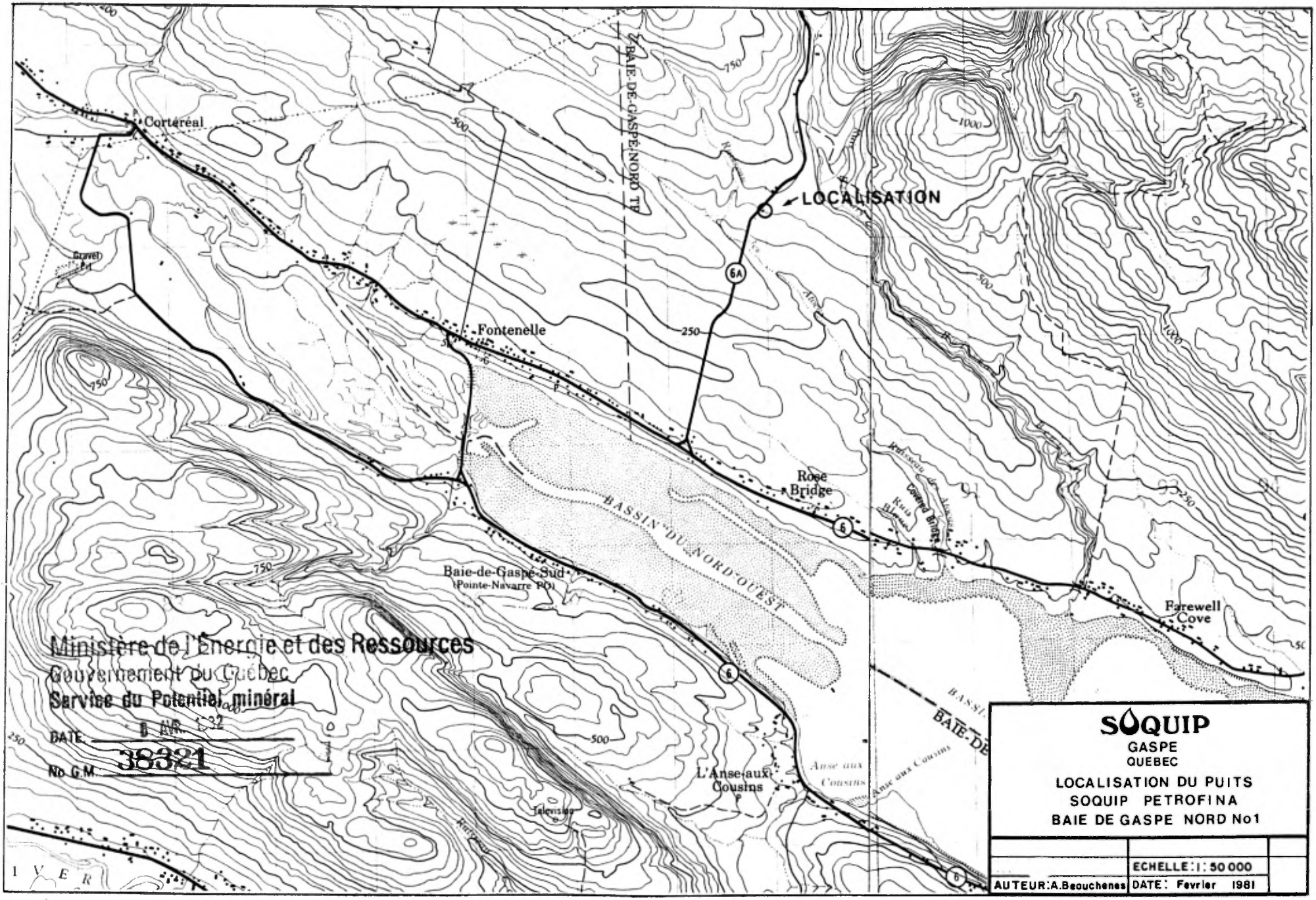
CSTMOB
SOQUIP PETROFINA BAIE DE GASPE #1
1570.00m to 1585.00m

TEMPERATURE RECORDER NUMBER : 013911

DEPTH : 1572.00m LOCATION : OUTSIDE
TYPE : K-3T RANGE : 121.67C

***** TEMPERATURE AT RECORDER DEPTH = 29.8 C

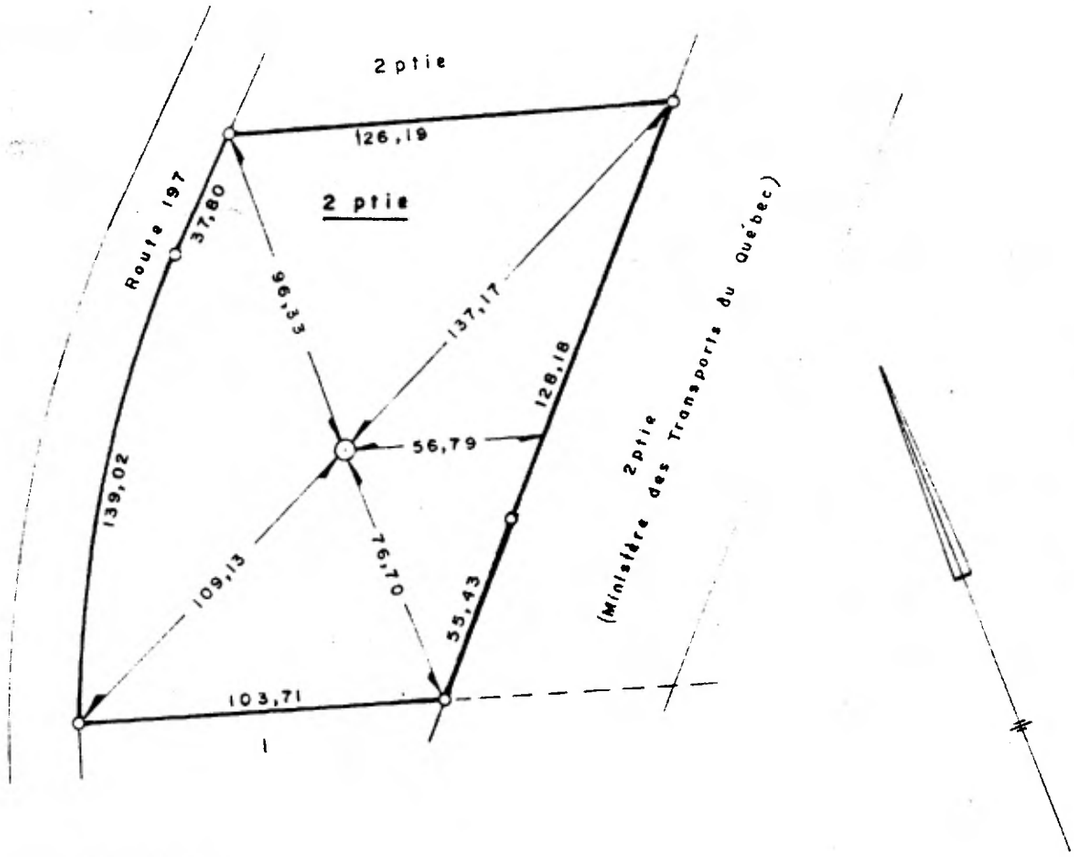




C-99

C-3471

C-99



COORDONNÉES DU PUITS

GÉOGRAPHIQUES LATITUDE 48°53'58,4" LONGITUDE 64°30'53.1"
(Rattachement: monument N°88 Parc Forillon | LAT 48°53'48.7536" LONG. 64°31' 02.4567" |

U.T.M. NORD 5 417 178,42m EST 388 957,22m

M.T.M. NORD 5 417 697,39m EST 303 693,51m

ÉLÉVATION 117,23 m (Rattachement: B.M. 74-L-213 élév. 105,802m)

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 6 AVR. 1982
No G.M.: 38321

Echelle: 1:2 000 (SI)

Cadastre : CANTON DE BAIE-DE-GASPE-NORD

Rang DU CHEMIN ES.

Municipalité: VILLE DE GASPE

Division D'enregistrement de: GASPE

Gaspé, le 12 MARS 1981

Préparé par Henri Chrétien
Arpenteur-Géomètre

Plan Accompagnant
LA LOCALISATION DU PUITS

Lot: 2 ptie

LOCATAIRE: SOQUIP
Propriétaire LA VILLE DE GASPE

Minute No ——

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11682 C-99

Rig No. 6 | Well Name SOQUIP PETRO FINA BAIE DE GASPÉ

Pump No. 1: Type NATIONAL 9PO 127 | Liner Size mm | Stroke Length mm 216
Pump No. 2: Type ENSCO D700 | Liner Size mm 6½ | Stroke Length mm 406
Location GASPÉ QUE | Report Number 82

Date: 81 (Year) 05 (Month) 27 (Day) | Rig No. 6

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour): Bit; Stands DC; Singles DC; Stands DP; Singles DP; Kelly Down; Total — m

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg | Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa | Motor Hours 1: 8, 2: 8, 3: 8, 4, 5, 6 | Next Oil Change: JUNE-1, JUNE-1, JUNE-1

Remarks

Surveys: Depth m ° | Depth m °

Crown Stopper Checked? Yes | Reset? Yes | Kelly Cock Checked? Yes | Rig Savers Checked? Yes

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 340454 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1250 | Weather GLOUW | Roads GOOD

Force of String daN

Time Start	Stop	Intvl	Operation
0000	:	.	RUN IN HOLE
:	1:50	1:50	PICK UP PIPE FOR PLUGS
1:50	3:00	1:50	CIRCULATE
3:00	:	.	RIG UP TO RUN PLUG 1
:	4:00	1:00	AT 2770 M
4:00	5:50	1:50	PULL OUT 45 STANDS
5:50	6:50	1:00	RUN PLUG 2 AT 1530M
6:50	8:00	1:50	LAY DOWN PIPE
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 0 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hs.
Driller R. BERUBE 8
Derrick M. JACQUES 8
Motor A. HAMEL 8
Floor M. CHAPLAND 8
Floor R. TREPANIER 8
Lease
Other
Assistant Derrick
INJURIES - COMPLETE BELOW

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour): Stands DC; Singles DC; Stands DP; Singles DP; Kelly Down; Total — m

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg | Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa | Motor Hours 1, 2, 3, 4, 5, 6 | Next Oil Change

Remarks

Surveys: Depth m ° | Depth m °

Crown Stopper Checked? | Reset? | Kelly Cock Checked? | Rig Savers Checked?

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads

Force of String daN

Time Start	Stop	Intvl	Operation
8:00	9:50	1:50	LAY DOWN PIPE
9:50	10:00	50	RUN IN HOLE TO 1330 M
10:00	:	.	FOR PLUG No. 3
10 :	10:50	.50	CIRC
10:50	11:25	.25	RUN PLUG No. 3
11:25	11:75	.50	LAY DOWN 5 STANDS
11:75	12:50	.75	CIRC
12:50	13:00	.50	LAY DOWN 6 STANDS
13:00	14:50	1:50	CIRC
14:50	16:00	1:50	LAY DOWN PIPE
:	:	.	FINISH PULL OUT HOLE
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature J. Bilodeau

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

TOUR ② 08:00 - 16:00 — Hs.
Driller J.M. BELANGER 8
Derrick J. DUBEAU 8
Motor N. LAUZÉ 10
Floor G. TRUDEL 8
Floor R. TOUSIGNANT 8
Lease L. BERGEVIN 8
Mechanic C. BLANCHETTE 8
Assistant Derrick
INJURIES - COMPLETE BELOW

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour): Bit; Stands DC; Singles DC; Stands DP; Singles DP; Kelly Down; Total — m

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg | Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa | Motor Hours 1: 8, 2: 8, 3: 8, 4, 5, 6 | Next Oil Change: June-1, June-1, June-1

Remarks: Touch Plug @ 1288

Surveys: Depth m ° | Depth m °

Crown Stopper Checked? | Reset? | Kelly Cock Checked? | Rig Savers Checked?

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads

Force of String daN

Time Start	Stop	Intvl	Operation
16:00	17:00	1:00	Run in to 1288m
:	:	.	And touch Plug
17:00	20:50	3:50	Lay down Pipe
20:50	:	.	Rigup to Run last Plug
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

TOUR ③ 16:00 - 24:00 — Hrs.
Driller T. Turriff 8
Derrick R. Larochelle 8
Motor Kim Turriff 8
Floor P. Cayer 8
Floor S. Berube 8
Lease
Other
Assistant Derrick
INJURIES - COMPLETE BELOW

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK 21" | Fuel Rec'd Today | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier

Approved by Toolpush: Roy Turriff

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 1	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 6 AVR. 1992
No G.M.: 38321

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11681 C-99

Rig No. 6 | Well Name SO OCIP. PETROFINA. BAIE DE GASPE

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location
NATIONAL 8P80		127	216	EMSCO D700		216	406	GASPE

Report Number 81

Date Year	Month	Day	Rig No.
84	5	24	6

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR43	216	DTC	3/10.3											

From	To	Metres

Drilling Assembly (At End of Tour)

No.		
	Bit	m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m
	Force of String	daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8 JUNE 1; 2 8 JUNE 1; 3 8 JUNE 1; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3743	339968	0	156	715	1963	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature R BERUBE

Time Start	Stop	Intvl	Activity
:0	2:50	2.50	CIRCULATE
2:50	5:50	3.00	PULL OUT OF HOLE
5:50	:	.	MAKE UP DST NO. 8
:	8:00	2.50	SERVICE UP. SAME

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR 2 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	
Derrick S. DUBEAU	
Motor M. LAUZE	
Floor G. TRUDEL	
Floor R. TOUSIGNANT	
Lease L. BERGEVIN	
Mechanic C BLANCHETTE	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR 3 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

From	To	Metres

Drilling Assembly (At End of Tour)

No.		
	TEST TOOLS	11.86 m
1	DRILL COLLARS	6.68 m
1	X.O	0.77 m
5	Stands DC	46.31 m
	Singles DC	m
5	Stands DP	m
1	Singles DP	1432.55 m
	Kelly Down	m
	Total	1555.57
	Force of String	44.010 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1; 2; 3; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	7486	339968	0	0	715	1963	SUNNY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature

Time Start	Stop	Intvl	Activity
8:00	10:00	2.00	RUN IN HOLE.
10:00	14:00	.	TESTING
14:00	16:00	2.00	PULL OUT OF HOLE

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

From	To	Metres

Drilling Assembly (At End of Tour)

No.		
	Bit	m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m
	Force of String	daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8 June-1; 2 8 June-1; 3 8 June-1; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	[redacted]	0 340454	13m	13m	9150	1250	Over Cast	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Time Start	Stop	Intvl	Activity
16:00	17:00	1.00	Trip out
17:00	:	.	Retrieve DST # 8
:	:	.	Service tools & Load out tools
:	20:00	3.00	Run in collars & lay down same
20:00	22:00	2.00	Slip & Cut
22:00	23:00	1.00	Run In open end
23:00	24:00	1.00	

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B.Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 | Fuel Rec'd Today | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: M Tessier

Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11650 C-99

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1# | Location GASPÉ QUE | Report Number 80

Date: Year 81 Month 5 Day 25 | Rig No. 6

Pump No. 1 ▶ NATIONAL 8 P80 Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO 0700 Type | Liner Size mm 216 | Stroke Length mm 406

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		
1	Bit SUB	0.85 m
1	D.S.T	12.05 m
1	X.O	0.77 m
5	Stands DC	157.94 m
1	Singles DC	m
9	Stands DP	m
1	Singles DP	6 95.17 m
	Kelly Down	m
	Total	m

Force of String 38,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE-1
2 8	JUNE-1
3 8	JUNE-1
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? ✓ | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	9204	332330	0	0	7150		CLEAR	GOOD

Time Start	Stop	Intvl	
00:00	:50	:50	TESTING W/LINES
:50	2:50	2:00	SHUT IN D.S.T NO 5#
2:50	4:50	2:00	PULL OUT OF HOLE
4:50	:	.	SERVICE UP TOOLS
:	6:50	2:00	& HANGE INTERVALS
6:50	8:00	1:50	TESTING W/LINES NO 6#
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
TOTAL		8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

TOUR ① 00:00 - 08:00

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		
1	SUB	0.85 m
1	DST	12.05 m
1	X.O.	0.77 m
5	Stands DC	m
2	Singles DC	157.94 m
3	Stands DP	148.48 m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String 38000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE-1
2 8	JUNE-1
3 8	JUNE-1
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	9204	332330	0	0	7150	1282	SUNNY	GOOD

Time Start	Stop	Intvl	
8:00	11:25	3:25	TESTING
11:25	11:75	:50	PULL OUT OF 2 STANDS
11:75	15:50	3:75	TESTING NO: 7#
15:50	16:00	:50	PULL OUT OF HOLE
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature [illegible]

TOUR ② 08:00 - 16:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease	L. BERGEVIN	8
Mechanic	C. BLANCHETTE	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR43	2x6	3/10.3	857116										

Drilling Assembly (At End of Tour)

No.		
1	Bit Sub	0.85 m
1	X.O.	0.77 m
5	Stands DC	157.94 m
3	Singles DC	m
9	Stands DP	2599.78 m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Pump 2				
S.P.M. Pump 1				
Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	June-1
2 8	June-1
3 8	June-1
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	332968	19m	19m	7150	1263	Clear	Good

Time Start	Stop	Intvl	
16:00	16:75	0:75	Trip out with D.S.T. #6 & 7
16:75	:	.	Retrive D.S.T. #6 & #7
:	18:50	1:75	and service tools
18:50	19:25	0:75	Run in collars & Pick up Jars
19:25	20:25	1:00	Cut & Slip line
20:25	22:50	2:25	Run in Hole
22:50	:	.	Break circulation & [redacted]
:	23:50	1:00	Clean to Bottom
23:50	24:00	0:50	Circulate
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK 34" | Fuel Rec'd Today Bottom EMPTY | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative [illegible]

Approved by Toolpush [illegible]

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11649

Rig No. 6 | Well Name SO QUIP PETROFINA BAIE DE GASPÉ NORD 1A | Location GASPÉ Qué | Report Number 79

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 216 | Stroke Length mm 406

Date 81 Month 5 Day 24 | Rig No. 6

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
1	Bit	SOB	0.85 m
1	D.S.T		11.27 m
1	X.O		0.77 m
6	Stands DC		167.89 m
	Singles DC		m
34	Stands DP		1000.35 m
1	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	JUNE 1
2	8	JUNE-1
3	8	JUNE-1
4		
5		
6		

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? – | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4600	322230	0	0	7150	1282	CLOUDY	GOOD

Time	Start	Stop	Intvl
PULL OUT OF HOLE	00:00	1:50	1:50
SERVICE UP TOOLS	1:50	:	.
CHANGE INTERVALS	:	3:50	2:00
RUN IN HOLE	3:50	5:00	1:50
TESTING W/LINES D.S.T NO 4	5:00	7:50	2:50
SHUT IN	7:50	8:00	:50
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	TOTAL		8
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature Raymond Berube

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
BA	43	216	DMS	3/8-7	85116									

Drilling Assembly (At End of Tour)

No.			
	Bit SOB		0.74 m
1	X-O		0.77 m
6	Stands DC		m
1	Singles DC		171.45 m
40	Stands DP		m
1	Singles DP		1307.55 m
	Kelly Down		m
	Total		m

Force of String 46.000 daN

MUD	08:00	10:00	12:00	6:00
Density kg/m³				1060
Viscosity s/L				100
Filtrate cm³				
pH				11.5
Press kPa Pump 1				9000
Press kPa Pump 2				
S.P.M. Pump 1				100
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	JUNE 1
2	8	" " 1
3	8	" " 1
4		
5		
6		

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6136	322230	0	0	7150	1282		GOOD

Time	Start	Stop	Intvl
TESTING	8:00	9:00	1:00
PULL OUT OF HOLE	9:00	11:00	2:00
LAY DOWN DST TOOLS	11:00	:	.
CHANGE PAKER	:	13:00	2:00
RUN IN HOLE WITH BIT	13:00	15:00	2:00
CIRC. FOR CLEAN UP HOLE	15:00	16:00	1:00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature [illegible]

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
1	Bit Sub		0.85 m
1	X0		0.77 m
1	D.S.T.		11.27 m
6	Stands DC		167.89 m
	Singles DC		m
94	Stands DP		981.35 m
2	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	June-1
2	8	June-1
3	8	June-1
4		
5		
6		

Remarks Strap In

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	7600	322230	0	0	Next trip	1282	Clear	Good

Time	Start	Stop	Intvl
TRIP OUT	16:00	18:50	2:50
Lay out Jars & Pickup D.S.T.	18:50	:	.
& Service same	:	20:50	2:00
Run in Hole with D.S.T.	20:50	22:50	2:00
Head up & Inflate Packers	22:50	23:00	0:50
Testing with Lynes	23:00	24:00	1:00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	Total	8
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBÉ	8
Derrick M. JACQUES	8
Motor Q. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran JTS	CSG	Fuel @ 00:00 BOTTOM 38 ¾
To	K.B. Used	Sx	Fuel Rec'd Today
	Cem Plus	%	Total
	Plug Down @	hrs	Fuel @ 23:59
	m³ Returns		Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: [illegible]

Approved by Toolpush: By [illegible]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc. O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11648

Rig No. 6 | Well Name SO Equip - PETRO FINA - BAIE DE GASPE NORD

Pump No. 1 ▶ NATIONAL | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 216 | Stroke Length mm 406
Location GASPE | Report Number 78

Date	Rig No.
Year 91 Month 5 Day 23	6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

Activity	Start	Stop	Intvl
Run IN HOLE TEST I	00:00	00:25	2.5
Head up & Test w/Lines	00:25	4:30	4.0
pullout HOLE	4:30	:	.
TAKE RECORDER OFF	:	:	.
check packer	:	8:00	3:50
	:	TOTAL	8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bedard

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Drilling Assembly (At End of Tour)		
Bit DST	14.70	m
OX	.77	m
6 Stands DC	167.89	m
Singles DC		m
Stands DP		m
Singles DP		m
Kelly Down		m
Total		m
Force of String		daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	June 1
2 8	June 1
3 8	June 1
4	
5	
6	

Remarks: 92 cm FILL PIPE
29 cm FOR COLLARS

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2534	322230	0	0	7150	1282	clear	GOOD

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor G. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Raymond Beaulieu

Activity	Start	Stop	Intvl
CHANGE INTERVAL TOOLS	8:00	9:50	1.50
RUN IN WITH D.S.T 2#	9:50	11:00	1.50
TESTING w/LINES	11:00	13:00	2.00
SHUT IN	13:00	15:00	2.00
PULL OUT OF HOLE	15:00	16:00	1.00
	:	:	.
	:	TOTAL	8

Drilling Assembly (At End of Tour)		
Bit		m
DST	11.27	m
X.O	0.77	m
6 Stands DC	167.89	m
Singles DC		m
13 Stands DP		m
1 Singles DP	1204.49	m
Kelly Down		m
Total		m
Force of String		daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE 1
2 8	" "
3 8	" "
4	
5	
6	

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3068	322230	0	0	7150	1282	CLOUDY	GOOD

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER / D. DUBEAU	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TARDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Beaulieu

Activity	Start	Stop	Intvl
FINISH. PULL. OUT. HOLE	16:00	17:00	1.00
RETRIEVE RECORDER	17:00	:	.
AND SERVICE TOOLS	:	18:00	1.00
RUN IN. HOLE	18:00	20:00	2.00
TESTING No 3 AND SHUT IN	20:	23:25	3.25
PULL. OUT. OF HOLE	23:25	24:00	.25
	:	:	.
	:	TOTAL	8

Drilling Assembly (At End of Tour)		
1 Bit	0.77	m
1 DST	11.27	m
6 Stands DC	167.89	m
Singles DC		m
14 Stands DP		m
9 Singles DP	1177.23	m
Kelly Down		m
Total		m
Force of String		daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE 1
2 8	" "
3 8	" "
4	
5	
6	

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4608	322230	0	0	7150	1288	CLOUD	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature Jean Belanger

TOUR ④ 24:00 - 08:00	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested		Checked
	Minutes	Pressure kPa	Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00	TOP TANK 3 full
Fuel Rec'd Today	EMPTY Bottom
Total	
Fuel @ 23:59	
Fuel Used	

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative: Alain Bardreault
Approved by Toolpush: Roy [illegible]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.			
O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11647

Rig No. 6
Well Name SOQUIP PÉTRO-FINA BAIE DE GASPE NORD I
Location GASPE
Report Number 77

Date: Year 81 Month 5 Day 22
Rig No. 6

Pump No. 1 ► Type NATIONAL Liner Size mm 127 Stroke Length mm 216
Pump No. 2 ► Type EMSCO D700 Liner Size mm 216 Stroke Length mm 406

TOUR 1 (00:00 - 08:00)

From	To	Metres

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR42	216	377	3-8-7	56031										

No.	Drilling Assembly (At End of Tour)	m
1	Bit Sub	0.67
1	3ARS	4.87
1	XO	0.77
6	Stands DC	177.45
1	Singles DC	
9	Stands DP	
5	Singles DP	2581.25
	Kelly Down	5.99
	Total	2771
	Force of String (daN)	83.000

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH	TRIP			
Press kPa Pump 1			8500	8500
Press kPa Pump 2				
S.P.M. Pump 1			120	120
S.P.M. Pump 2				

Additives in kg:

Desilter / Desander	
Hours Operated	
U.F. Density kg/m³	
O.F. Density kg/m³	
Flow Rate L/min	
Pressure kPa	

Motor Hours		Next Oil Change
1	8	June I
2	8	June I
3	8	June I
4		
5		
6		

Remarks
FINA UNIVERSAL 30 = 90 GAL
FINA GYRAN 220 = 45 GAL
FINA HYDRAFLO 32 = 45 GAL

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? ✓ Reset ? ✓ Kelly Cock Checked ? ✓ Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5435	312913	0	0	7150	1296	clear	GOOD

Boiler In Use? Hrs. 8 Camp In Use? Hrs. ✓ BOP Drill Yes ✓ No Driller's Signature Roland Bedard

	Start	Stop	Intvl
Run in HOLE HALF WAY	00:00		
FILL PIPE Break circulation		1:75	1:75
circulate	1:75	8:00	6:25
	TOTAL		8

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérubé	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 2 (08:00 - 16:00)

From	To	Metres

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR42	216	577	3-87	56031										

No.	Drilling Assembly (At End of Tour)	m
	Bit SUB	0.67
	JARS	4.87
1	X.O	0.77
6	Stands DC	
1	Singles DC	177.45
91	Stands DP	
1	Singles DP	2581.25
	Kelly Down	
	Total	
	Force of String (daN)	

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1040	1040	1040	
Viscosity s/L	58	58	65	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	8500	8500	8500	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: Gel 8 SXS -

Desilter / Desander	
Hours Operated	
U.F. Density kg/m³	
O.F. Density kg/m³	
Flow Rate L/min	
Pressure kPa	

Motor Hours		Next Oil Change
1		
2		
3		
4		
5		
6		

Remarks WATER LOSS 29 cc

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? Reset ? Kelly Cock Checked ? Rig Savers Checked ?

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5435	312913	0	0	7150	1296	CLEAR	GOOD

Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No Driller's Signature Raymond Bérubé

	Start	Stop	Intvl
CIRCULATE & WORK PIPE	8:00	14:50	6:50
PULL OUT OF HOLE	14:50	16:00	1:50

TOUR ② 08:00 - 16:00		Hrs.
Driller	R. BERUBÉ	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease	L. BERGEVIN	8
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 3 (16:00 - 24:00)

From	To	Metres

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

No.	Drilling Assembly (At End of Tour)	m
	Bit	
	DST.	14.70
1	X.O.	0.77
6	Stands DC	167.89
	Singles DC	
34	Stands DP	933.93
	Singles DP	
	Kelly Down	
	Total	
	Force of String (daN)	

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg:

Desilter / Desander	
Hours Operated	
U.F. Density kg/m³	
O.F. Density kg/m³	
Flow Rate L/min	
Pressure kPa	

Motor Hours		Next Oil Change
1	8	JUNE I
2	8	"
3	8	"
4		
5		
6		

Remarks

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? YES Reset ? YES Kelly Cock Checked ? YES Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	9317	312913	14	14	7150	1282	CLEAR	GOOD

Boiler In Use? Hrs. 8 Camp In Use? Hrs. BOP Drill Yes ✗ No Driller's Signature JM Bélanger

	Start	Stop	Intvl
FINISH PULL OUT OF HOLE	16:00	18:50	2:50
LAY DOWN ONE COLLARS	18:50	18:75	:25
PICK UP D.S.T. TOOLS No1	18:75		
MAKE UP TOOLS			
RUN IN COLLARS IN HOLE		22:00	3:25
SLIP AND CUT LINE	22:00	22:50	:50
RUN IN HOLE	22:50	24:00	1:50

TOUR ③ 16:00 - 24:00		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TAUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING
Ran JTS CSG.
To K.B.Used Sx
Cem Plus %
Plug Down @ hrs
m³ Returns

Fuel @ 00:00
Fuel Rec'd Today TOP TANK = 1½'
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From Trans #

Approved by Operator's Representative Alan Boudreault
Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc. O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11646

Rig No. 6 | Well Name: Soquip pétro fina baie de GASPÉ NORD I

Pump No. 1 ▶ Type: NATIONAL | Liner Size mm: 127 | Stroke Length mm: 216
Pump No. 2 ▶ Type: EMSCO D700 | Liner Size mm: 140 | Stroke Length mm: 406
Location: GASPE | Report Number: 76

Date: Year 81 Month 5 Day 21 | Rig No. 6

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		
	Bit	m
		m
		m
		m
		m
		m
		m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	June 1
2 8	June 1
3 8	June 1
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5435	312913	0	0	7150	1296	clear	Good

Time Start	Stop	Intvl	
LOGGING NO 3° 4°	00:00	8:00	8
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	: total		8
	:	:	
	:	:	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature: Roland Bedard

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hr.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		
	Bit	m
		m
		m
		m
		m
		m
		m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	June 1
2 8	" "
3 8	" "
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5435	312913	0	0	7150	1296	SUNNY	Good

Time Start	Stop	Intvl	
LOGGING	8:00	16:00	8:00
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature: Raymond Berube

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ② 08:00 - 16:00	Hrs
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. PREPANIER	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR	42	216	577	3187	56031									

Drilling Assembly (At End of Tour)

No.		
1	Bit SUB	0.67 m
1	X.O.	0.77 m
1	JARS	4.87 m
		m
		m
		m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE 1
2 8	" "
3 8	" "
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5435	312913	0	0	7150	1299	CLOUDY	Good

Time Start	Stop	Intvl	
LOGGING	16:00	21:00	5:00
LAY DOWN SCHLUMBERGER TOOLS.	21:00	:	
	:	21:50	:50
LAY DOWN STABS. S.O. MONEL.	21:50	:	
	:	22:50	1:00
RUN-IN HOLE	22:50	24:00	1:50
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	
	:	:	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature: J.M. Bélanger

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

TOUR ③ 16:00 - 24:00	Hrs
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B.Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 | Fuel Rec'd Today Top TANK ½ TANK | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Dubeau

Approved by Toolpush: Roy

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.
	114	E					313	313

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR
REGENT DRILLING LIMITED
12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11645

Rig No. 6
Well Name SOQUIP - PETROFINA BAIE DE GASPE NORD 1
Location GASPE
Report Number 75
Date Year 81 Month 5 Day 20
Rig No. 6

Pump No. 1 Type	Liner Size mm	Stroke Length mm	Pump No. 2 Type	Liner Size mm	Stroke Length mm
NATIONAL	127	216	EMSCO D-700	140	406

TOUR 1 (00:00 - 08:00)

From	To	Metres
2756	2771	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42c	216	J77	3 - 8.7	56031	18000	55	114	70.75			250	DRLG		

Drilling Assembly (At End of Tour)

No.			
1	~~Bit~~ SR3	1.63	m
4	STABS	4.85	m
2	SQ	7.95	m
1	MONEL	8.89	m
1	JARS	4.87	m
1	X.O.	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
9	Stands DP		m
5	Singles DP	2552.59	m
	Kelly Down	12.20	m
	Total	2771	m
	Force of String	84.000	daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	75	65	60	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	7500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1050; Flow Rate L/min 12L; Pressure kPa

Motor Hours		Next Oil Change
1	8	JUNE-1
2	8	JUNE-1
3	8	JUNE-1
4		
5		
6		

Remarks: 45 GALLONS 30 REGULAR MOTOR OIL

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked? ✓ Reset? ✓ Kelly Cock Checked? ✓ Rig Savers Checked? ✓

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	0	312913	0	0	7150	1296	CLEAR	GOOD

	Start	Stop	Intvl
DRILL 216mm HOLE	00:00		
RIG SERVICE . CONNECTION		8:00	8
		TOTAL	8

Boiler In Use? Hrs. 8 Camp In Use? Hrs. — BOP Drill Yes ✓ No
Driller's Signature Roland Bédard

TOUR 2 (08:00 - 16:00)

From	To	Metres
2771		

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42c	216	J77	3.87	56031	18,000	55	114	71.00				4	2	IN

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
4	STABS	4.85	m
2	S.Q	7.95	m
1	MONEL	8.89	m
1	JARS	4.87	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
9	Stands DP		m
1	Singles DP	2552.59	m
	Kelly Down	12.20	m
	Total	2771	m
	Force of String	84,000	daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1045			
Viscosity s/L	65	T	T	L
Filtrate cm³		R	R	
pH	11.5			O
Press kPa Pump 1	4600	I	I	G
Press kPa Pump 2		P		
S.P.M. Pump 1	120			
S.P.M. Pump 2				

Additives in kg: GEL 25 SXS. CAUSTIC 35 Kg. INHIBITOR 1 GAL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	JUNE-1
2	8	JUNE-1
3	8	JUNE-1
4		
5		
6		

Remarks

SURVEYS: Depth m 2771 ° 2¼ Depth m °

Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	5,435	312913	0	0	7150	1296	CLEAR	GOOD

	Start	Stop	Intvl
DRILL 216 MM HOLE	8:00	8:25	.25
CIRCULATE	8:25	10:00	1.75
DROPPED SURVEY	10:00	10:25	.25
PULL OUT OF HOLE	10:25	13:50	3.25
RIG UP SCHLUMBERGER	13:50		
TO LOG		14:00	.50
LOG WITH SCHLUMBERGER	14:00	16:00	2.00
		TOTAL	8

Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No
Driller's Signature Raymond Bérubé

TOUR 3 (16:00 - 24:00)

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
	Bit		m
	Stands DC		m
	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m
	Force of String		daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours 1 2 3 4 5 6 — Next Oil Change

Remarks 1. 45 GALL. GVRAN 330
CHANGE. OIL. IN. TABLE. AND
SWIVEL AND: DRAWWORK. AND
COMPOUND. AND: AIR. COMPRESSOR

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?

Drill'g Line Record: Size mm, No. Lines, Megajoules, Total MJ, Slipped (m), Cut, Next Slip, Temp., Weather, Roads

	Start	Stop	Intvl
LOGGING HOLE	16:00	24:00	8

Boiler In Use? Hrs. 8 Camp In Use? Hrs. BOP Drill Yes No
Driller's Signature

CREW

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!
(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00		Hrs.
Driller	R. BEDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease	L. BERGEVIN	8
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS / CASING / FUEL

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG; To K.B.Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00
Fuel Rec'd Today TOPTANK HALF
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From Trans #

Approved by Operator's Representative Jean Barbeault
Approved by Toolpush Roy Luff

Drill Pipe Record Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11644

Rig No. 6 | Well Name Soquip - PETRO-FINA BAIE DE GASPÉ NORD I

Pump No. 1 ▶ NATIONAL | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 74

From	To	Metres
2711	2726	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	577	3-8-7	56031	18000	55	69	467.5			250		DR	G

Drilling Assembly (At End of Tour)

No.			
1	Bit	SR3	1.63 m
4	STABS	4.85 m	
2	SC	7.95 m	
1	MONEL	8.89 m	
1	SABS	4.87 m	
1	X-O	0.77 m	
			m
			m
6	Stands DC	177.45 m	
1	Singles DC	m	
8	Stands DP	2514.76 m	
	Singles DP	m	
	Kelly Down	4.93 m	
	Total	2726 m	

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	62	70	64	58
Filtrate cm³	—			26
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 21 SACKS; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours	Next Oil Change
1 8	June 1
2 8	June 1
3 8	June 1
4	
5	
6	

Remarks: Checked FIRE EQUIPEMENT (OK) 19-5-81
45 GALLONS OF OXYGEN SCAVENGER.

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Force of String 83,000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	clear	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
2726	2740	14

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	577	3-8-7	56031	18000	55	83	54.75			300		DR	G

Drilling Assembly (At End of Tour)

No.			
1	Bit	SR3	1.63 m
4	STABS	4.85 m	
2	S.C	7.95 m	
1	MONEL	8.89 m	
1	SABS	4.87 m	
1	X-O	0.77 m	
			m
			m
6	Stands DC	177.45 m	
1	Singles DC	177.45 m	
09	Stands DP	2524.39 m	
1	Singles DP	9.87 m	
	Kelly Down	9.87 m	
	Total	2740 m	

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1045	1050	1050	1050
Viscosity s/L	55	65	69	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7400	7500	7300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 KG; KCL 15 SXS; ELR 100 F 1 SXS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12L; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE-1
2 8	JUNE-1
3 8	JUNE-1
4	
5	
6	

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Force of String 83000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

From	To	Metres
2740	2756	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	577	3/8-7	56031	18000	55	99	627.5			300		DR	G

Drilling Assembly (At End of Tour)

No.			
1	Bit	SR3	1.63 m
4	STABS	4.85 m	
2	S.C	7.95 m	
1	MONEL	8.89 m	
1	SABS	4.87 m	
1	X-O	0.77 m	
			m
			m
6	Stands DC	177.45 m	
1	Singles DC	177.45 m	
90	Stands DP	2543.10 m	
	Singles DP	m	
	Kelly Down	6.47 m	
	Total	2756 m	

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	63	56	70	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SXS; POLYMER 1 PAIL; CAUSTIC 25 KG; ELR-100 1 SXS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1025; Flow Rate L/min 12L; Pressure kPa

Motor Hours	Next Oil Change
1 8	JUNE-1
2 8	JUNE-1
3 8	JUNE-1
4	
5	
6	

Remarks: 45 GALL. GRAIN 220
WATER LOSS 22 CC FOR 30 minutes

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Force of String 83000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	CLODY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs | BOP Drill Yes ✓ No | Driller's Signature [illegible]

Time	Start	Stop	Intvl
DRILL 216 MM HOLE	00:00	:	•
RIG SERVICE CONNECTION	:	8:00	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	: TOTAL	8	
	:	:	•
	:	:	•
	:	:	•
	:	:	•
DRILL 216 MM HOLE	8:00	16:00	8:00
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
DRILL 216 MM HOLE	16 :	:	•
RIG ON CONN	:	24:00	8:00
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•
	:	:	•

Date: Year 81 Month 5 Day 19 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor G. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TAUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B.Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM EMPTY
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative: Jean Beaudoin
Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11643

Rig No. 6 | Well Name Soquip PÉTRO-FINA BAIE DE GASPÉ NORD | Report Number 73

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ NORD

Day 1

From	To	Metres
2674	2686	12

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	377	3-8.7	56031	16000	50	29	22.75			950		DRLG	
	in 2657													

Drilling Assembly (At End of Tour)

No.			
1	BSR3	1.63	m
4	STABS	4.85	m
2	SD	7.95	m
1	SABS	4.87	m
1	MONEL	8.89	m
1	OX	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
8	Stands DP		m
5	Singles DP	2468.34	m
	Kelly Down	12.20	m
	Total	2686.95	

Force of String 83 000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1030	1030	1030	1040
Viscosity s/L	62	77	90	87
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7500	7500	7500	7400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 19 SACKS; CAUSTIC 50 Kg; TEFLON 3 SACKS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1135; O.F. Density kg/m³ 1120; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Remarks: safety meeting

SURVEYS: Depth m ° Depth m °

BLOWout PREVENTION and BOP CONTROL
WATER LOSS 30 ml PER 30 MIN

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature ROLAND BÉDARD

Start	Stop	Intvl	Time
DRILL 216 MM HOLE	0000	800	8
RIG SERVICE CONNECTION	:	:	•
TOTAL:			•

Day 2

From	To	Metres
2686	2697	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	377	3-8.7	56031	18000	55	40	30.75			950		DRLG	

Drilling Assembly (At End of Tour)

No.			
1	BSR3	1.63	m
4	STAB	4.85	m
2	S.D	7.95	m
1	SABS	4.87	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
8	Stands DP	2486.94	m
	Singles DP		m
	Kelly Down	3.67	m
	Total	2697	m

Force of String 83 000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1045	1045	1045	1045
Viscosity s/L	70	75	70	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7400	7400	7300	7400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: FLR 100 E 15 SKS; KCL 20 SKS; POLY 1 PAIL; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1125; O.F. Density kg/m³ 1025; Flow Rate L/min 12 L.

Motor Hours: 1 8 MAY-18; 2 8 MAY-18; 3 8 MAY.18; 4; 5; 6

Remarks: CHANGE OIL IN MOTORS
1 BARREL UNIVERSEL 45 GALS
Grease Block on Crown

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

Start	Stop	Intvl	Time
DRILL 216 MM HOLE	8:00	16:00	8:00
	:	:	•

Day 3

From	To	Metres
2697	2711	14

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	377	3/8.7	56031	18000	55	54	38.75			300		DRLG	

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
4	STABS	4.85	m
2	SD	7.95	m
1	SABS	4.87	m
1	MONEL	8.89	m
1	X.O.	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
8	Stands DP		m
1	Singles DP	2496.26	m
	Kelly Down	8.33	m
	Total	2711	m

Force of String 83-000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	65	75	85	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 55 SKS; FLR 100 25 KG; CAUSTIC 15 SKS; ULTRAHEM 1 GAL

Desilter / Desander: Hours Operated 8 H; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 JUNE-1; 2 8 JUN 1; 3 8 JUN 1; 4; 5; 6

Remarks: WATER LOSS 26 CC 30 minutes

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✗ No | Driller's Signature

Start	Stop	Intvl	Time
DRILL 216 MM HOLE	16:00	24:00	8:00
RIG SERVICE CONN	:	:	•
			•

BOPS	Tested: Minutes	Tested: Pressure kPa	Checked: Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

CASING: Ran JTS CSG; To K.B. Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 TOP TANK FULL; Fuel Rec'd Today BOTTOM 0.30 M; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Bourbeau

Approved by Toolpush: Roy Fuge

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Date: Year 81 Month 5 Day 18 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TAUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES, AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: Roland Bédard
Subject: CAT HEAD and TONGS

Given By: Chain on MUD TANKS
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11642

Rig No. 6 | Well Name SOQUIP-PETRO-FINA BAIE DE GASPÉ NORD I

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 72

From	To	Metres
2657	2659	50

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
41C	216	STT	3-8.7	75402	13000	55	4.50	9				6	3	1MM
42C	216	STT	3-8.7	56031										
			IN 2657											

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
4	STABS	4.85	m
2	S.C.	7.95	m
1	JARS	4.87	m
1	MONEL	8.89	m
1	X.O	.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
8	Stands DP		m
5	Singles DP	2440.06	m
	Kelly Down	11.03	m
	Total	2657.50	

Force of String 83.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1035			
Viscosity s/L	62			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	7500			
Press kPa Pump 2				
S.P.M. Pump 1	120			
S.P.M. Pump 2				

TRIP

Additives in kg: KCL 15 SACKS

Desilter / Desander: Hours Operated 1; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Remarks: INHIBITOR 1 GAL; 45 GALS OF GIRAN 220 EP

SURVEYS: Depth m | Depth m

42 STANDS hit tight comming out
50 CM OF MUD FOR PIPE
28 CM OF MUD FOR COLLARS

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	7288	312913	12M	13M	7150	1296	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. — | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Start	Stop	Intvl	Time
00:00	1:00	1.00	DRILL 216 mm HOLE
1:00	1:25	.25	DROP SURVEY
1:25	4:75	3.50	PULL OUT HOLE change bits
4:75	5:25	.50	Run COLLARS
5:25	6:00	.75	slip cut line
6:00	8:00	•	Run PIPE
:	8:00	2.00	•
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	

Date: Year 81 Month 5 Day 17 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hrs

		Hrs
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BERUBE	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2657	2663	6

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	STT	3-8.7	56031	16000	50	6	6.75			300	DRLG		

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
4	STABS	4.85	m
2	S.C.	7.95	m
1	JARS	4.87	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
8	Stands DP		m
1	Singles DP	24449.58	
	Kelly Down	7.01	m
	Total	2663	m

Force of String 83.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1040	1040	1040	1035
Viscosity s/L	80	80	65	95
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7500	7500	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 30 SXS; FLR 100 E 1 SXS; 1 POLYMER 1 PAIL; CAUSTIC 25 KG; INHIBITOR 1 GAL.

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1135; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L.

Motor Hours: 1 8 MAY-18; 2 8 MAY-18; 3 8 MAY-18; 4; 5; 6

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? ✓ | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

Start	Stop	Intvl	Time
8:00	8:50	.50	BREAK CIRC x REAM BOTTOM
8:50	10:00	1.50	DRILL 216 MM HOLE
10:00	10:75	.75	SURVEY x RIG SERV
10:75	16:00	5.25	DRILL
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
7:00	TOL	8	
:	:	•	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00 — Hrs.

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease	L. BERGEVIN	8
Mechanic	C. BLANCHET	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2663	2674	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
42C	216	STT	3/8.7	56031	16000	50	17	14.75			300	DRLG		

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
4	STABS	4.85	m
2	S.C.	7.95	m
1	JARS	4.87	m
1	MONEL	8.89	m
1	X.O.	8.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
87	Stands DP	2459.06	
	Singles DP		m
	Kelly Down	8.53	m
	Total	2674.00	

Force of String 83.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1035	1035	1035	1035
Viscosity s/L	95	95	90	90
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000		7000	7000
Press kPa Pump 2		6500		
S.P.M. Pump 1	120		120	120
S.P.M. Pump 2		52		

Additives in kg: TEFLON 25 KG

Desilter / Desander: Hours Operated 8 H; U.F. Density kg/m³ 1135; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY. 18; 2 8 MAY 1; 3 8 MAY 1; 4; 5; 6

VISCHEM 1 GAL

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	312913	0	0	7150	1296	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. M. Belanger

Start	Stop	Intvl	Time
16:00		•	DRILL 216 M.M. HOLE
:	24:00	8:00	RIG SERV. ON-CONN
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	

Date: Year 81 Month 5 Day 18 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

TOUR ③ 16:00 - 24:00 — Hrs.

		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 74 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Gen. Bourdreault

Approved by Toolpush: Roy Tuff

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11641

Rig No. #6 | Well Name SOQUIP-Petro Fina, Baie De Gaspe North #1 | Report Number 71

Date: Year 81 Month 5 Day 16 | Rig No. #6

Pump No. 1 ▶ Type National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406
Location Gaspe

Time Start	Time Stop	Intvl	Operation
2400	5:75	5:75	Cut Core # 1
5:75	8:00	2:25	Trip out

From	To	Metres
2648	2652.75	4.75

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
40c	215	CB 208		81019	9000	75	5.75	9.25				G	100	D

Drilling Assembly (At End of Tour)

No.		Metres
1	Bit Sub	.66 m
1	Core BR	1.99 m
1	D.Pin	.27 m
1	Jars	4.87 m
1	X0	0.77 m
1	Saver Sub	.75 m
		m
5	Stands DC	146.53 m
	Singles DC	m
8	Stands DP	247.72 m
2	Singles DP	m
	Kelly Down	7.27 m
	Total	2652.75 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1045	1045	1040	
Viscosity s/L	60	58	85	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	7000	6750	8500	
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	
S.P.M. Pump 2				

Additives in kg: 16 Gel sxs; 50 KG CAUSTIC; 1 Gallon Viscoat

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 2; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: May-18; May-18; May-18

Remarks: FUEL 360 Gallon. 4.5 Sq. Scavenger

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3644	305625	0	0	7150	1309	Over East	Good

Force of String 83,100 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. O | BOP Drill Yes No | Driller's Signature Terry Turriff

TOUR ① 00:00 - 08:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

INJURIES - COMPLETE BELOW

From	To	Metres
2653	2653	0

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
41c		5-77	3-8-7	75402										

Drilling Assembly (At End of Tour)

No.		Metres
	Bit SR3	1.63 m
	4 STABS	4.85 m
2	S.C	7.95 m
1	3 DRS	4.87 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	m
3	Singles DP	2440.06 m
	Kelly Down	6.53 m
	Total	2653 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³				1040
Viscosity s/L				97
Filtrate cm³				
pH				11.5
Press kPa Pump 1				7800
Press kPa Pump 2				
S.P.M. Pump 1				120
S.P.M. Pump 2				

Additives in kg: TEFLON; FEL

Desilter / Desander: Hours Operated 2; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY 18

Remarks: 50CM PIPE; 25 CM FOR COLLARS; Recovered 100% core #1

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3644	305625	0	0	7150	1309	SUN	Good

Force of String 830 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

TOUR ② 08:00 - 16:00

		Hrs.
Driller	R. Bédard	8
Derrick	L. Turriff	8
Motor	Y. Caron	8
Floor	P. Tousignant	8
Floor	C. Berube	8
Lease	L. Bergevin	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

Time Start	Time Stop	Intvl	Operation
8:00	9:00	1.00	pull out
9:00	:	•	retrieve CORE 100° break
:	10:50	1.50	CORE Barel lay down
10:50	:	•	Run in HOLE COLLARS
:	13:50	3.00	and PIPE Break circulation
13:50	16:00	2.50	Ream FROM 2647 à 2653
	TOTAL	8.	

From	To	Metres
2653	2657	4

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
41c	216	J77	3-8-7	75402	13,000	55	4	8			400	D	R2	G

Drilling Assembly (At End of Tour)

No.		Metres
1	SR3	1.63 m
4	STABS	4.85 m
2	S.C	7.95 m
1	3 DRS	4.87 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	m
1	Singles DP	2440.06 m
	Kelly Down	10.53 m
	Total	2657 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1045	1045	1040
Viscosity s/L	80	62	60	69
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7800	6900	7500	7500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: TEFLON 5 SXS; CAUSTIC 25 KG; KCL 15 SXS; FLP 1000 1 SKG; Gel 18 SXS

Desilter / Desander: Hours Operated 8 HRS.; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 15 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY-18; MAY-18; MAY-18

Remarks: VISCHEM 1 GAL; WATER LOSS 26 CC

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3644	305625	0	0	7150	1309	Over East	Good

Force of String 83,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. O | BOP Drill Yes No | Driller's Signature Raymond Berube

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Time Start	Time Stop	Intvl	Operation
16:00	24:00	8:00	DRILL 216 MM HOLE

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

CASING	Ran	JTS	CSG
	To	K.B. Used	%
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today Bottom 1.00 cm
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Boudreault

Approved by Toolpush: Roy [illegible]

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11640

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie De Gaspe North #1

Pump No. 1 ▶ Type National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406
Location Gaspe | Report Number 70

From	To	Metres
2629	2640	11

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	3B	216	STT	3/8.7	75399	18,000	55	22	15.75						

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
2	SQ	7.95	m
4	STOBS	4.85	m
1	JARS	4.87	m
1	Monel	8.89	m
1	X.O.	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
8	Stands DP	2430.57	m
	Singles DP		m
	Kelly Down	3.02	m
	Total	2640	m

Force of String 83,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	67	65	63	65
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	7000	7000	7000	7500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: Gel 14; 25 KG CAUSTIC; 1 gal. VISCHEM

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	May-18
2	8	May-18
3	8	May-18
4		
5		
6		

Remarks: DUMP + clean Tank NO 1 + 2
WATER LOSS 20 ML 30 minute

SURVEYS	Depth m	°	Depth m	°
	2630	16 1/2		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3546	298235	0	0	7150	1323	over cast	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Troy Turriff

Time	Start	Stop	Intvl
Drill 216mm Hole	24:00	0:25	0.25
Survey +	0:25	1:00	0.75
Drill 216mm Hole	1:00	8:00	7.00

Date	Year	Month	Day	Rig No.
	81	5	15	#6

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2640	2647	7

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	3B	216	STT	3-8.7	75399	18,000	55	29	20.25				7	3	1

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
4	STOBS	7.95	m
2	SQ	4.85	m
1	JARS	4.87	m
1	Monel	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
8	Stands DP	2430.57	m
	Singles DP		m
	Kelly Down	10.02	m
	Total	2647	m

Force of String 83,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	
Viscosity s/L	75	65	62	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	7300	7500	8400	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: KCL 20 SACKS; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 5; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1035; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY 18
2	8	MAY 18
3	8	MAY 18
4		
5		
6		

Remarks: RAN 3 GALS OF FUEL PER MINUTE FOR 1 HOUR 180 gallons
4 PC DM
Had tight spot at 40 stands coming out

SURVEYS	Depth m	°	Depth m	°
	2623	MISS RUN		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	7390	298235	0	0	7150	1323	OVER CAST	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	12:50	4.50
eastman SURVEY	12:50	13:00	.50
pull out HOLE	13:00	:	.
	:	16:00	3.00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	total	8
	:	:	.
	:	:	.
	:	:	.
	:	:	.

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBÉ	8
Lease L. BERGEVIN	8
Mechanic C. BLAUDETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2647	2648	1

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	4C	215	CB303	∅	81019	9,000	75	1	3.50			250	DR	2	6

No.	Drilling Assembly (At End of Tour)		
1	Bit SUB	.66	m
1	CORE BBL	19.91	m
1	D.PIN	.27	m
			m
1	JARS	4.87	m
1	X.O	0.77	m
1	Above Bowl	.75	m
5	Stands DC	140.53	m
	Singles DC		m
83	Stands DP		m
2	Singles DP	2477.78	
	Kelly Down	2.52	m
	Total	2648	m

Force of String 76,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³			1055	
Viscosity s/L	T	T	70	
Filtrate cm³	R	R		
pH	I	I	11.5	
Press kPa Pump 1	P	P	6700	6700
Press kPa Pump 2				
S.P.M. Pump 1			140	140
S.P.M. Pump 2				

Additives in kg:

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY-18
2	8	MAY-18
3	8	MAY-18
4		
5		
6		

Remarks: Double measure the hole no correction made

SURVEYS	Depth m	°	Depth m	°

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? ✓ | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	7390	305625	14	14	7150	1309	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

Time	Start	Stop	Intvl
PICK UP CORE BBL	16:00	:	.
SERVICE UP CORE BBL	:	17:00	1.00
RUN COLLAR IN	17:00	17:50	.50
SLIP + CUT LINE	17:50	18:25	.75
RUN IN HOLE	18:25	20:00	1.75
CIRCULATE	20:00	20:50	.50
CUT CORE 1	20:50	22:00	3.50
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
	To	K.B Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today Bottom 1.31 cm
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental) | To / From | Trans #

Approved by Operator's Representative: Jean Bachereault
Approved by Toolpusher: Gérard Quinnett

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11639

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie De Gaspe North #1 | Location Gaspe | Report Number 69

Pump No. 1: National 8P80 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2: Emsco D-100 | Type | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2607	2618	11

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
1	STABS	4.85	m
2	SQ	7.95	m
1	SARS	4.87	m
1	Monel	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
	Singles DC		m
8	Stands DP	2401.96	
	Singles DP		m
	Kelly Down	9.63	m
	Total	2618	m

Force of String 83,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
38C	216	FPSST	3/8/7	70951	18,000	55	48	36.75				8	4	2

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	64	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6700	6800	6700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 1.8 VISCHEK; 50 KG CAUSTIC; 20 Bel SXS

Desilter / Desander: Hours Operated 84 HRS; U.F. Density kg/m³ 1145; O.F. Density kg/m³ 1040; Flow Rate L/min 122; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: May-18; May-18; May-18

Remarks: WATER LOSS 22ML

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3546	298235	0	0	7150	1323	Rain	Good

Time	Start	Stop	Intvl
Drill 216 mm Hole	24:00	8:50	7.50
Trip out	7.50	8:00	0.50
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	Total	8
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 8 | BOP Drill Yes No | Driller's Signature Leo Turriff

From	To	Metres
2618	2618	0

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
1	STABS	4.85	m
2	SQ	7.95	m
1	SARS	4.87	m
1	MONEL	8.89	m
1	X-O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
8	Stands DP	2401.96	m
	Singles DP		m
	Kelly Down	9.63	m
	Total	2618	m

Force of String 83.00 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
								50						

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

TRIP

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY 18; MAY 18; MAY 18

Remarks: 48 cm FOR PIPES; 24 cm FOR COLLARS

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3546	298235	0	0	7150	1323	RAIN	GOOD

Time	Start	Stop	Intvl
TRIP OUT change CORROSION Ring	8.00	10.75	2.75
PICK UP CORE BARREL	10.75	:	.
~~FOR~~ change RACK CORE	:	:	.
BARREL in DERICK	:	13:00	2.25
~~Run~~ collars and pipe	13:00	:	.
break circulation	:	:	.
clean BOTTOM	:	15:50	2.50
DRILL 216 mm HOLE	15:50	16:00	50
	:	:	.
	:	:	.
TOTAL:			8
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
2618	2629	11

No.	Drilling Assembly (At End of Tour)		
1	SR3	1.63	m
4	STABS	4.85	m
2	S.Q	7.95	m
1	SARS	4.87	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
8	Stands DP		m
1	Singles DP	2411.67	m
	Kelly Down	10.98	m
	Total	2629	m

Force of String 83,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
39C	216	STT	3.8.7	75399	18,000	55	11	8.50			300	D	R	2
RUN IN 2618														

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	55	55	58
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7,000	7,000	7000	7,000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 20 SXS; POLY 1 Pail; FLR 100 E 1 SXS; FUEL 500 GAL; CAUSTIC 50 KG

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1125; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY-18; MAY-18; MAY-18

Remarks: INHIBITOR 1 GAL

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3546	298235	0	0	7150	1323	OVER CAST	GOOD

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	16:00	24:00	8.00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today Bottom 1.80 cm
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Beaudoin
Approved by Toolpusher: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Date: Year 81 Month 5 Day 14 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller L. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBE	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: T. Turriff
Subject: When tripping don't kick slips in with your feet. (use your hands)

Given By:
Subject:

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11638

Rig No. #6 | Well Name SOQUIP - PetroFina Baie De Gaspe North #1

Pump No. 1: National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2: Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406
Location: Gaspe | Report Number 68

From	To	Metres
2576	2585	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
38c	216	FP83J	3/8.7	72951	18,000	55	16	14						

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
2	SQ	7.95 m
1	STABS	4.87 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	2373.49 m
	Singles DP	m
	Kelly Down	5.10 m
	Total	2585 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	75	75	65	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7300	7400	7400	7400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 1 Polymer; 12 Sol Sts; 1 Sl. Viscosifier

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	May-18
2 8	11-11
3 8	11-11
4	
5	
6	

Remarks: 45 Gallon Scavenger; 45 Gallon Inhibitor Scale; 45 Universal 30; WATER LOSS 22ML; 45 GAL. Regular 30

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	298235	0	0	7150	1323		Good

Force of String 83,000 daN

Time	Start	Stop	Intvl
Drill 216mm Hole	7:00	8:00	8:00
Rig Service			

Boiler In Use? Hrs 8 | Camp In Use? Hrs 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

Date: Year 81 Month 5 Day 3 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2585	2595	10

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
38c	216	FP83J	3.8.7	72951	18,000	55	26	22						

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
1	SQ	7.95 m
1	STABS	4.87 m
1	MODEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	m
9	Singles DP	2382.91 m
	Kelly Down	5.68 m
	Total	2595 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	77	60	112	90
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7300	7200	7100	7200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 20 SACKS; GEL; POLYMER 25 Kg; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours	Next Oil Change
1 8	MAY 18
2 8	MAY 18
3 8	MAY 18
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	298235	0	0	7150	1323	CLEAR	GOOD

Force of String 83.000 daN

Time	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	16:00	8
Rig service CONNECTION			
TOTAL			8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs 0 | BOP Drill Yes No | Driller's Signature Roland Bédard

TOUR ② 08:00 - 16:00

	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease L. Bergevin	8
Mechanic C. Blondette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2595	2607	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
38c	216	FP83J	3-8-7	72951	18,000	55	37	29.25			250	DRL	G	

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
2	S.Q	7.95 m
1	STABS	4.87 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
8	Stands DP	m
9	Singles DP	2392.53 m
	Kelly Down	8.04 m
	Total	2607 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	75	68	65	61
Filtrate cm³				
pH	11.0	11.5	11.5	11.5
Press kPa Pump 1	7300	7300	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 Kg; FLR-100E 1 SKS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 16 Hrs; U.F. Density kg/m³ 1125; O.F. Density kg/m³ 1035; Flow Rate L/min 12; Pressure kPa

Motor Hours	Next Oil Change
1 8	MAY-18
2 8	MAY-18
3 8	MAY-18
4	
5	
6	

Remarks

SURVEYS: Depth m 2601 ° 16 | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	298235	0	0	7150	1323	Rain	GOOD

Force of String 83,000 daN

Time	Start	Stop	Intvl
DRILL 216MM HOLE	16:00	19:75	3.75
SURVEY + RIG SERV	19:75	20:50	.75
DRILL	20:50	24:00	3.50
		TOTAL	8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

TOUR ③ 16:00 - 24:00

	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested PressurekPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B.Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today Bottom 1.29cm | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Bourdeau

Approved by Toolpusher: Gerard Quimet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11637

Rig No. #6 | Well Name SOQUIP - Petro Fina Baie De Gaspe North #1

Pump No. 1 ▶ Type National 8500 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type Emsco D-700 | Liner Size mm 140-406 | Stroke Length mm
Location Gaspe | Report Number 67

From	To	Metres
2552	2565	13

No.	Drilling Assembly (At End of Tour)	
	Bit	m
1	SR3	1.63 m
4	STABS	4.85 m
2	SC	7.95 m
1	JARS	4.87 m
1	Monel	8.89 m
1	XO.	0.77 m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	2354.49 m
1	Singles DP	m
	Kelly Down	4.10 m
	Total	2565 m

Force of String 83,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
37c	216	F7	2-8.7 1-9.5	BD5728	18,000	55	47	28.25						

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1055
Viscosity s/L	85	80	80	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6400	6400	6600	6600
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 18 Gel 5 SKS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1035; Flow Rate L/min 122; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8

Next Oil Change: 1 May-18, 2 May-18, 3 May-18

Remarks: WATER LOS 30 minute 17 m.L.

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	38	10	4670	289251	0	0	7150	1339	Over Cast	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Troy Turriff

Time	Start	Stop	Intvl
Drill 216mm Hole	24:00	8:00	8:00
Rig Service	:	:	:

Date	Rig No.
Year 81 Month 5 Day 12	#6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2565	2569	4

No.	Drilling Assembly (At End of Tour)	
	Bit	m
1	SR3	1.63 m
4	STABS	4.85 m
2	SC	7.95 m
1	JARS	4.87 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	m
5	Singles DP	2354.49 m
	Kelly Down	8.10 m
	Total	2569 m

Force of String 83,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
37c	216	F7	2-8.7 1-9.5	BD5728	18,000	55	51	3.25				7	3	outer

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050		
Viscosity s/L	63	55	T	
Filtrate cm³			R	
pH	10.0	10.0		
Press kPa Pump 1	6500	6600	i	
Press kPa Pump 2			p	
S.P.M. Pump 1	120	120		
S.P.M. Pump 2				

Additives in kg: KCL; GEL; CAUSTIC; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8

Next Oil Change: 1 MAY 18, 2 MAY 18, 3 MAY 18

Remarks: 45 GALLONS OF OXYGEN SCAVENGER; 48CM FOR PIPE; 24CM FOR COLLARS; checked BLIND RAM PIPE RAM OK

SURVEYS: Depth m 2569 15½ | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	[illegible]	289251	16	16	7150	1339	OVER CAST	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	11:00	3.00
DROP SURVEY	11:00	11:25	.25
PULL OUT HOLE GAGE STABILIZATION	11:25	14:25	3.00
Change Rollers SR3 and bits	14:25	14:50	.25
RUN COLLARS	14:50	15:25	.75
slip cut line	15:25	16:00	.75
	:	:	:

TOUR ② 08:00 - 16:00	Hs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2569	9576	7

No.	Drilling Assembly (At End of Tour)	
	Bit	m
1	SR3	1.63 m
4	STABS	4.85 m
2	S.C	7.95 m
1	JARS	4.87 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
83	Stands DP	m
3	Singles DP	9363.97 m
	Kelly Down	5.62 m
	Total	9576 m

Force of String 83,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
38C	216	F83	3-8.7	72951	18,000	55	7	6			250	0	R	16
RUN IN 2569														

MUD	16:00	18:00	20:00	22:00
Density kg/m³		1055	1055	1055
Viscosity s/L	T	64	60	68
Filtrate cm³	R			
pH	i	10.0	10.0	11.0
Press kPa Pump 1	p	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 20 SXS; POLY 1 PAIL; CAUSTIC 100 kg.; FLR 100F 1 SXS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8

Next Oil Change: 1 NOV-18, 2 NOV-18, 3 NOV.18

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? Yes | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	298235	0	0	7150	1323	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

Time	Start	Stop	Intvl
RUN IN HOLE	16:00	17:50	1.50
BREAK CIRC x REAM BOTTOM	17:50	18:00	.50
DRILL 216 MM HOLE	18:00	24:00	6.00
	:	:	:
TOTAL			8.

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor Q. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	
To	K.B. Used	Sx	
	Cem Plus	%	
	Plug Down @	hrs	
	m³ Returns		

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today
Total
Fuel @ 23:59 Bottom 1.52 cm
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpusher Gerard Quimet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11636

Rig No. #6 | Well Name SOQUIP Petro Fina Baie De Gaspe North #1 | Location Gaspe | Report Number 66

Pump No. 1 ▶ Type National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type Emco D-700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2518	2525	7

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
37c	216	F7	7/8-7/9.5	BD5728	18000	55	7	5.50						

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
2	SD	7.95 m
1	JARS	4.87 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	230.97 m
3	Singles DP	m
	Kelly Down	12.90 m
	Total	2525 m

Force of String 83.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	
Viscosity s/L	63	63	70	
Filtrate cm³	PIP			
pH	11.5	11.5	11.5	
Press kPa Pump 1		7100	6600	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: 1 PLS 100 E; 1 Polymer; 25 K G CAUSTIC; 15 KCL SXS; 1 Sp. Vischon

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 May-18; 2 8 May-18; 3 8 May-18; 4; 5; 6

Remarks: Scavenger 2 cent. par Heures; WATER LOSS 7 ML x 30 minute

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4670	289251	0	6	7150	1339	Rain	Good

Time	Start	Stop	Intvl
Run In	2:00	2:00	2:00
Break circulation & Clean	2:00	:	.
to Bottom	:	2:50	0:50
Drill 216mm Hole	2:50	8:00	5:50

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Terry Turriff

From	To	Metres
2525	2538	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
37c	216	F7	7/8-7/9.5	BD5728	18000	55	20	13			250		DRL	6

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
2	SD	7.95 m
1	JARS	4.87 m
1	MONEL	8.89 m
1	X O	.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
82	Stands DP	m
5	Singles DP	232.624
	Kelly Down	5.35 m
	Total	2538 m

Force of String 83.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	78	60	50	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6200	6200	6100	6400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACKS; GEL; CAUSTIC 25 Kg; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1050; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Remarks: DF-VIS 25 Kg

SURVEYS: Depth m ° | Depth m °
2535 MISSRUN

GREASED CROWN + BLOCKS CHECKED DERRICK PINS

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4670	289251	0	0	7150	1339	RAIN	GOOD

Time	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	13:00	5.00
survey RIG Service MISSRUN	13:00	13:50	.50
DRILL	13:50	16:00	2.50
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	TOTAL		8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
2538	2552	14

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
37	216	F7	7-8-7/7-9-5	BD5728	18000	55	34	20.75			200	D	RLG	

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
4	STABS	4.85 m
2	S.D	7.95 m
1	JARS	4.87 m
1	MONEL	8.89 m
1	X-O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
82	Stands DP	m
2	Singles DP	233.37
	Kelly Down	10.25 m
	Total	2552 m

Force of String 83.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	60	57	65	78
Filtrate cm³				
pH	11.0	11.0	11.0	10.5
Press kPa Pump 1	6500	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: FLR 100 E 1 SXS; Gel 18 SXS; KCL 15 SXS; POLY 1 PAIL; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY-18; 2 8 MAY-18; 3 8 MAY-18; 4; 5; 6

Remarks

SURVEYS: Depth m ° | Depth m °
2544 1½

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4670	289251	0	0	7150	1339	RAIN	GOOD

Time	Start	Stop	Intvl
DRILL 216MM HOLE	16:00	19:00	3:00
SURVEY + RIG SERV	19:00	19:75	.75
DRILL	19:75	24:00	4.25
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	TOTAL		8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

CASING: Ran | JTS | CSG | To | K.B.Used | Sx | Cem Plus | % | Plug Down @ | hrs | m³ Returns

Fuel @ 00:00 TOP FUEL | Fuel Rec'd Today Bottom 1.02 CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc. O.D.mm	No.	O.D.mm	No.

Approved by Operator's Representative: Ben Tessier

Approved by Toolpush: Gerard Desmarais

Date: Year 81 Month 5 Day 11 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11635

Rig No. #6 | Well Name SOQUIP Petro Fina Baie De Gaspe North #1 | Report Number 65 | Location Gaspe

Pump No. 1: National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2: Emsco D700 | Liner Size mm 140 | Stroke Length mm 406

Date: Year 81 Month 5 Day 10 | Rig No. #6

Time Start	Time Stop	Intvl	Activity
24:00	8:00	8:00	Drill 216mm Hole
			Rig Service

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00 | Hrs.
Driller T. Turriff 8
Derrick R. Larochelle 8
Motor Rim Turriff 8
Floor P. Cayer 8
Floor J. Berube 8
Lease
Other
Assistant Derrick

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

INJURIES - COMPLETE BELOW

Bits

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36c	216	F7	2/8.7 1/9.5	BE7361	18000	55	107	5.25						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	JARS	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
6	Stands DC	177.45	m
1	Singles DC		m
6	Stands DP	2288.40	m
	Singles DP		m
	Kelly Down	8.01	m
	Total	2503	m

From 2488 To 2503 Metres 15

Force of String 80.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1045	1045	1045	1050
Viscosity s/L	60	63	64	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6600	6500	6500	7100
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 20 Gel SD; 25 KG CAUSTIC; 1 FLR 100 E; 1 gl. VISCHEM

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 May-18; 2 8 May-18; 3 8 May 18

Remarks: 25 ML 30 minute; 45 GALLONS 30 ~~UNIVERSAL~~ Regular

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1339 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

Time Start	Time Stop	Intvl	Activity
8:00	9:75	1.75	DRILL 216mm HOLE
9:75	10:25	50	Survey Rig service
10:25	16:00	5.75	DRILL
	TOTAL	8	

TOUR 2 08:00 - 16:00 | Hrs.
Driller R. BÉDARD 8
Derrick L. TURRIFF 8
Motor Y. CARON 8
Floor P. TOUSIGNANT 8
Floor C. BERUBÉ 8
Lease
Mechanic C. BLANCHETTE 8
Assistant Derrick

INJURIES - COMPLETE BELOW

Bits

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36P	216	F7	2-8.7 1-9.5	BE7361	18000	55	121	5.75			150		DRLG	

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	XO	0.77	m
6	Stands DC	177.45	m
1	Singles DC		m
9	Stands DP	2306.9	m
	Singles DP		m
	Kelly Down	3.44	m
	Total	2517	m

From 2503 To 2517 Metres 14

Force of String 80.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1060
Viscosity s/L	78	68	60	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7100	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	118
S.P.M. Pump 2				

Additives in kg: KCL 15 SACKS; GEL —; POLYMER 25 Kg; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18

Remarks: DUMP + CLEAN SHAKER BOX + FLOW LINE; 25 Kg DF-VIS

SURVEYS: Depth m 2507 15° | Depth m

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1339 | Weather clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Time Stop	Intvl	Activity
16:00	17:50	1.50	DRILL 216mm HOLE
17:50	18:50	1:00	SURVEY
18:50	21:50	3:00	PULL OUT OF HOLE
21:50			LAY DOWN S.Q PICK UP
	24:00	2.50	MEWS S.Q. change ROLLERS ON SR3 & RUN IN
	TOTAL	8	

TOUR 3 16:00 - 24:00 | Hrs.
Driller R. BERUBE 8
Derrick M. JACQUES 8
Motor A. HAMEL 8
Floor M. CHARLAND 8
Floor R. TREPANIER 8
Lease
Other
Assistant Derrick

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

Bits

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36C	216	F7	2-8-7 1-9-5	BE7361	18000	55	122	6.25			150	7	4	1
37C	216	F7	2-8-7 1-9-5	BD5128										

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
2	STABS	4.85	m
1	S.Q	7.95	m
1	JARS	4.87	m
1	MONEL	8.89	m
1	X.O	0.77	m
6	Stands DC	177.45	m
1	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m

From 2517 To 2518 Metres 1

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055			
Viscosity s/L	65			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	7000			
Press kPa Pump 2				
S.P.M. Pump 1	120			
S.P.M. Pump 2				

Additives in kg: INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 2 HRS.; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY-18; 2 8 MAY-18; 3 8 MAY-18

Remarks: Survey tool (eastman) got jammed in the 90 on top of monel collars broke line. At 2500 M. Pull out cutting line every stand (28 M).

SURVEYS: Depth m | Depth m

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4,670 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1339 | Weather cloudy | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B.Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today Bottom 1.33 cm | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: [illegible]

Approved by Toolpush: Gérard Quinel

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11634

Rig No. 6 | Well Name SOQUIP. PETROFINA. BAIE. DE. GASPÉ. NORD. No. 1* | Location GASPÉ | Report Number 64

Date: 81 (Year) 5 (Month) 9 (Day) | Rig No. 6

Pump No. 1: Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2: Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2439	2456	17

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36C	216	F7	7-9-9	BE7361	18000	55	60	28.7						
B.H.A.				3396										

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.D.	8.89 m
1	SABS	5.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
19	Stands DP	2241.43 m
1	Singles DP	m
	Kelly Down	7.98 m
	Total	2456 m

Force of String 80.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1055	1055	1055
Viscosity s/L	75	70	68	64
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7000	6900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: VISCHEM 1GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 1 1 1; 3 8 1 1 1 1; 4; 5; 6

Next Oil Change

Remarks: CHECK FIRE EXTINGUISHERS.OK
WATER LOSS 25 CC FOR 30 MINUTES

SURVEYS: Depth m 2450 ° 14; Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mud Temp. 1339 | Weather CLEAR | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Start	Time Stop	Intvl	Report Number 64
:0	4:50	4:50	DRILL 216 mm HOLE
4:50	5:00	.50	SURVEY. RIG. SERVICE
5:00	8:00	3.00	DRILL

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2456	2472	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36C	216	F7	2/8.7 1/9.5	BE7361	18000	55	76	36.70						

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SD	8.89 m
1	SABS	3.31 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
8	Stands DP	2260.27 m
	Singles DP	m
	Kelly Down	5.12 m
	Total	2472 m

Force of String 80,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	1055	1050	1050
Viscosity s/L	62	60	60	73
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6600	6500	6500	6300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 15 KCL 15x5; 1 polymer; 1 FLR 100E; 50 KG CAOSTIC; 1 gal VISCHEM

Desilter / Desander: Hours Operated 8 MAR; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1035; Flow Rate L/min 12 2; Pressure kPa

Motor Hours: 1 8 May-18; 2 8 May-18; 3 8 May-18; 4; 5; 6

Next Oil Change

Remarks: Held Safty Meeting
1 Basil Scavenger

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked? J | Reset? J | Kelly Cock Checked? J | Rig Savers Checked? J

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mud Temp. 13.39 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Start	Time Stop	Intvl	Report Number 64
			Drill 216mm Hole
			Rig Service

TOUR ② 08:00 - 16:00	Hrs.
Driller L. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2472	2488	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
36C	216	F7	2-8.7 1-9.5	BE7361	18000	55	92	44.25			150		DRL	G

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SD	8.89 m
1	SABS	5.31 m
1	MONEL	8.89 m
1	X.O	.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
80	Stands DP	m
5	Singles DP	2269.66 m
	Kelly Down	12.20 m
	Total	2488.45

Force of String 80,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	68	56	50	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6380	6400	6400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACKS; POLYMER 25 Kg; GEL 20 SACKS; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Next Oil Change

Remarks: shut-off motor work OK
WATER LOSS 25 ml for 30 min

SURVEYS: Depth m 2479 ° 15°; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 289251 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mud Temp. 1339 | Weather clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Start	Time Stop	Intvl	Report Number 64
16:00	19:50	3.50	DRILL 216 mm HOLE
19:50	20:00	.50	Survey Rig service
20:00	24:00	4.00	DRILL

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1).

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: Tony Turriff
Subject: Check tongs for cracks, safty lines, springs, always use safty glasses to change dies

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today BOTTOM 1.50 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Tessier

Approved by Toolpusher: Gerard Quinet

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11633

Rig No. 6 | Well Name SOQUIP · PETROFINA. BAIE de GASPÉ · NORD. No-1#

Pump No. 1 ▶ NATIONAL 8-P50 | Liner Size mm 127 | Stroke Length mm 216 | Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406 | Location GASPE | Report Number 63

Date 81 Year 5 Month 8 Day | Rig No. 6

From	To	Metres
2396	2409	13

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	36C	216	F7	2-8-7 19.5	BE7361	18,000	55	13	5.75			100	DRLG		
	RUN IN 2396														

Drilling Assembly (At End of Tour) No.			
1	Bit SR3	1.63	m
5	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X-O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
7	Stands DP		m
2	Singles DP	2193.55	m
	Kelly Down	8.86	m
	Total	2409.	m

Force of String 80.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³			1030	1050
Viscosity s/L			75	70
Filtrate cm³				
pH			11.5	11.5
Press kPa Pump 1			6500	6500
Press kPa Pump 2				
S.P.M. Pump 1			120	120
S.P.M. Pump 2				

Additives in kg: FLR 100; KCL 175 KS; CAUSTIC 1 = 5KS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 6 H; U.F. Density kg/m³ 1010; O.F. Density kg/m³ 1035; Flow Rate L/min 122; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8; 3 8

Remarks: DUMP · No. 3.4. TANK

WATER LOSS 20cc FOR 30 minutes

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	10492	278759	18	18	7150	1339	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. Bélanger

Time	Start	Stop	Intvl
SLIP AND CUT LINE	0	0	0
FINISH RUN IN HOLE	0	2:35	2.00
BREAK CIRC DRILL 216mm HOLE	2:35	:	.
RIG SERV ON CONN	:	8:00	5.25

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller S. M. BÉLANGER	8
Derrick S. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TARDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2409	2423	14

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	36C	216	F7	2/8-7 19.5	BE7361	18,000	55	27	13.25						

Drilling Assembly (At End of Tour) No.			
1	Bit SR3	1.63	m
2	STAB	3.65	m
1	SQ.	8.89	m
1	JARS	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
7	Stands DP	2212.54	m
1	Singles DP		m
	Kelly Down	3.87	m
	Total	2423	m

Force of String 81,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	85	75	65	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6700	6500	6000	5500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 1 Polymer; 12 KCL 5KS; 1 FLR 100E; VISCHEM 1 L.

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min 122; Pressure kPa

Motor Hours: 1 8 May-18; 2 8 May-18; 3 8 May-18

Remarks

SURVEYS: Depth m 2421 m 1½ | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	289251	0	0	7150	1339	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Yves Turriff

Time	Start	Stop	Intvl
Drill 216 mm Hole	8:00	14:50	6.50
Survey & Rig Service	14:50	15:00	0.50
Drill 216mm Hole	15:00	16:00	1.00
		Total	8

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2423	2439	16

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	36C	216	F7	2-8-7 1-9.5	BE7361	18000	55	43	21.25			100		DRLG	

Drilling Assembly (At End of Tour) No			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X-O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
7	Stands DP		m
1	Singles DP	2222.14	m
	Kelly Down	10.27	m
	Total	2440.95	m

Force of String 78.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	48	58	68	72
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5500	6400	6800	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 22 SACKS; KCL 15 SACKS; CAUSTIC 100 Kg; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18

Remarks WATER LOSS 23 ml FOR 30 MIN

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	289251	0	0	7150	1339	Clear	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time	Start	Stop	Intvl
DRILL 216mm HOLE	16:00	24:00	8
		TOTAL	8

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	
To	K.B. Used	Sx	
	Cem Plus	%	
	Plug Down @	hrs	
	m³ Returns		

Fuel @ 00:00
Fuel Rec'd Today TOP FULL
Total
Fuel @ 23:59 BOT 1.75 M
Fuel Used

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative: Yves Turriff

Approved by Toolpusher: Gérard Quinet

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11632

Rig No. 6 | Well Name SOQUIP-PETROFINA · BAIE-DE-GASPÉ-NORD-NO-1 | Location GASPÉ | Report Number 62

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2365	2379	14

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.C.	8.89 m
1	SARS	5.31 m
1	MONEL	8.89 m
1	X O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
7	Stands DP	m
0	Singles DP	2165.59 m
	Kelly Down	6.82 m
	Total	2379.00 m

Force of String 79.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	35C	216	RG78S	3/8-7	FM457	18000	55	34	21			350	DRL	G	
	RUN IN 2345														

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	75	75	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: FLR 100 25 KG; 1 POLYMER 1 PAIL; CAUSTIC 25 KG; JISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 H; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 / / / ; 3 8 / / / ; 4; 5; 6

Remarks: SAFETY MEETING FOR BOPS DRILL
WATER LOSS 25 CC FOR 30 minutes

SURVEYS	Depth m		Depth m	
	2375	13		

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature [illegible]

Time	Start	Stop	Intvl
DRILL 216 MM HOLE	:0	5:50	5:50
SURVEY-RIG SERVICE	5:50	6:00	.50
DRILL	6:00	8:00	2.00

Date 81 Year 5 Month 7 Day | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00	Hrs
Driller J.M. BÉLANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2379	2393	14

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SC	8.89 m
1	SARS	5.31 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
7	Stands DP	217.43 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	2393.10 m

Force of String 79.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	35C	216	RG78S	3/87	FM457	18000	55	48	29						

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1055	1055	1050
Viscosity s/L	80	80	75	55
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7800	7500	6500	6300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 1 Polymer; 1 FL 100; 13 KCL 5 XS; 12 JISCHEM

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 May-18; 2 8 May-18; 3 8 May-18; 4; 5; 6

Remarks: 1 Band Hole Regular 30

SURVEYS	Depth m		Depth m	

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	Rain	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ○ | BOP Drill Yes No | Driller's Signature [illegible]

Time	Start	Stop	Intvl
Drill 216mm Hole	8:00	16:00	8:00

TOUR 2 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Rim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2393	2396	3

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SC	8.89 m
1	SARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
7	Stands DP	m
5	Singles DP	2184.08 m
	Kelly Down	5.33 m
	Total	2396 m

Force of String 79.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	35C	216	RG78S	3.87	FM457	18000	55	51	3275				7	3	1
	36C	216	F7	2-87	BE7361										
				1-9.5											

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040		
Viscosity s/L	45	100		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	6300	7000		
Press kPa Pump 2				
S.P.M. Pump 1	120	120		
S.P.M. Pump 2				

Additives in kg: CAUSTIC; KCL [redacted]; GEL 19 SACKS; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 4; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1090; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Remarks: 40CM PIPE checked BLINDRAM
24CM PIPE and PIPE RAM OK
cut off
trip tank

SURVEYS	Depth m		Depth m	
	2396	13½		

Crown Stopper Checked? | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bedard

Time	Start	Stop	Intvl
DRILL 216MM HOLE	16:00	19:45	3.75
DROP SURVEY	19.75	20:00	.25
PULL OUT HOLE GAGE	20:00	:	
STABILIZATIONS	:	22:75	2.75
change ROLLERS change bits	22:75	23:00	.25
RUN COLLARS	23:00	23:75	.75
slip cut. line	23.75	24:00	.25

TOUR 3 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today BOTTOM 1-23M
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative [illegible]
Approved by Toolpusher [illegible]

Drill Pipe Record

Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11631

Rig No. 6 | Well Name SOQUIP. PETROFINA. BAIE DE GASPÉ NORD. No 1 | Report Number 61 | Location GASPÉ

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2339	2345	6

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
34	216	M84PC	3/8.7	947957	18000	55	84	4850			250	7	6	1
BUN-IN-2261														

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.C.	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
75	Stands DP	m
1	Singles DP	2128.07 m
	Kelly Down	10.34 m
	Total	2345 m

Force of String 78,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1060	1060		
Viscosity s/L	72	70		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	7000	7000		
Press kPa Pump 2				
S.P.M Pump 1	120	120		
S.P.M Pump 2				

Additives in kg

Desilter / Desander: Hours Operated 4 H; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY 18
2	8	
3	8	
4		
5		
6		

Remarks: 0.34 CM FILL PIPES
0.18 CM FILL COLLARS
CHECK PIPE RAM AND BLIND RAM

SURVEYS: Depth m 2345 | Depth m 12½

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	CLOUDY	GOOD

Start	Time Stop	Intvl	
:0	4:00	4.00	DRILL 216 mm HOLE
4:00	4:50	.50	DROP SURVEY.
4:50	7:00	2.50	PULLOUT OF HOLE
7:00	7:50	.50	CHANGE BIT. CHECK ROLLER
7:50	8:00	.50	RUN IN HOLE

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J. Belanger

From	To	Metres
2345	2354	9

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
~~35~~	~~216~~	~~RG7XJ~~	~~3/8.7~~	~~FM457~~		~~55~~	~~9~~	~~5.50~~						
~~35~~	~~216~~	~~RG7XJ~~	~~3/8.7~~	~~BE7357~~										
35	216	RG7XJ	3/8.7	FM457	18000	50	9	5.50						

No.	Drilling Assembly (At End of Tour)	
1	SR3	1.63 m
3	STABS	3.65 m
1	SB	8.89 m
1	JARS	5.31 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
	Singles DC	m
75	Stands DP	m
2	Singles DP	2137.66 m
	Kelly Down	9.75 m
	Total	2354 m

Force of String 79,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³			1050	1050
Viscosity s/L			65	75
Filtrate cm³				
pH			11.5	11.5
Press kPa Pump 1			7200	7000
Press kPa Pump 2				
S.P.M Pump 1			120	120
S.P.M Pump 2				

TRIP

Additives in kg: SOKG CAUSTIC; 22 Sel SXS

Desilter / Desander: Hours Operated 5 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min 122; Pressure kPa

Motor Hours		Next Oil Change
1	8	May-18
2	8	May-18
3	8	May-18
4		
5		
6		

1.8 VISCHEM

Remarks: 25 ml 30 minute

SURVEYS: Depth m | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	Sun	Good

Start	Time Stop	Intvl	
8:00	10:25	2.25	Run in Hole
10:25	:	.	Break circulation & clean to
:	10:50	0.20	Bottom (Rig Service)
10:50	16:00	5.50	Drill 216mm Hole
	Total	8.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Jim Turriff

From	To	Metres
2354	2365	11

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
35	216	RG7XJ	3X8.7	FM457	18000	50 55	20	13.50			270		DRL	G

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SB	8.89 m
1	JARS	5.31 m
1	Monel	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45
75	Stands DP	2146.84 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	2365 m

Force of String 79,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	80	63	58	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7800	7600	7000	7000
Press kPa Pump 2				
S.P.M Pump 1	120	120	120	120
S.P.M Pump 2				

Additives in kg: RCL 20 SACKS; POLYMER 25 Kg; CAUSTIC 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY 18
2	8	MAY 18
3	8	MAY 18
4		
5		
6		

Remarks: checked KELLY COCK (OK)
55 GALLONS OF "SCAVENGER"
WATER LOSS FOR 30 MIN — 25 ml

SURVEYS: Depth m | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6954	278759	0	0	7150	1357	Sun	GOOD

Start	Time Stop	Intvl	
16:00	24:00	8	DRILL 216 mm HOLE
	total	8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 1155 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tegan

Approved by Toolpush: Gerard Quinn

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Date: 81 Year 5 Month 6 Day | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease Luc Bergevin	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11630

Rig No. 6 | Well Name: SOQUIP-PÉTROFINA · BAIE-DE-GASPÉ · NORD · No. 1

Date: 81 Year 5 Month 5 Day | Rig No. 6

Pump No. 1: NATIONAL 8 P | Type | Liner Size mm: 127 | Stroke Length mm: 216
Pump No. 2: EMSCO D700 | Type | Liner Size mm: 140 | Stroke Length mm: 406
Location: GASPE | Report Number: 60

From	To	Metres
2302	2316	14

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	34	216	M89TF	3/8.7	947957	18,000	55	55	29			100	DRL	6	
	RUN IN @ 261														

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.D.	8.89 m
1	MAS	5.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
74	Stands DP	m
1	Singles DP	3099.25 m
	Kelly Down	9.66 m
	Total	2316.00 m

MUD	00:00	02:00	04:00	06:00	Additives in kg
Density kg/m³	1066	1067	1065		9 Kel SXS
Viscosity s/L	86	80	85		9 KCL SXS
Filtrate cm³					
pH	11.5	11.5	11.5		
Press kPa Pump 1	7600	7700		7600	VISCHEM 1 GAL
Press kPa Pump 2			7500		Remarks 45 gall HYDRA-FLO 32
S.P.M. Pump 1	120	180		120	45 gall UNIVERSEL 30
S.P.M. Pump 2			50		CHANGE-CONE ON DESILTER

Desilter / Desander: Hours Operated 4H; U.F. Density kg/m³ 1200; O.F. Density kg/m³ 1030; Flow Rate L/min 15L; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Surveys: Depth m ° | Depth m °

SAFETY MEETING FOR BLOW-OUT PREVENTION
WATER LOSS 20 FOR 30 MINUTES.

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Force of String	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
78000 daN		32	10	3510	278759	0	0	7150	1357		GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature: J.M. Bélanger

Time	Start	Stop	Intvl
DRILL 216mm HOLE	:0	:	.
RIG-SERV. ON CONN	:	8:00	8.00

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2316	2328	12

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	34	216	M89TF	3/8.7	947957	18,000	55	67	36.50						

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STAB	3.65 m
1	SD	8.89 m
1	MARS	5.31 m
1	Monel	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
7	Stands DP	210.92 m
2	Singles DP	m
	Kelly Down	12.20 m
	Total	2328.00

MUD	08:00	10:00	12:00	14:00	Additives in kg
Density kg/m³	1050	1050	1050	1050	1 polymer
Viscosity s/L	64	65	63	60	10 KCL SXS
Filtrate cm³					1 FLR 100 E
pH	11.5	11.5	11.5	11.5	12 Gel SXS
Press kPa Pump 1	7700	7700	6700	6700	1 Gallon VISCHEM
Press kPa Pump 2					Remarks
S.P.M. Pump 1	120	120	120	120	
S.P.M. Pump 2					

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1160; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 May 18; 2 8 May 18; 3 8 May 18; 4; 5; 6

Surveys: Depth m 2328 ° | Depth m °

Crown Stopper Checked ? N | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Force of String	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
78,000 daN		32	10	3510	278759	0	0	7150	1357	Over cast	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature: Tony Turriff

Time	Start	Stop	Intvl
Drill 216mm Hole	8:00	15:25	7.25
Survey & Rig Service	15:27	15:75	0.50
Drill 216mm Hole	15:75	16:00	0.25
	:	Total	8.00

TOUR 2 08:00 - 16:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease	Luc. Bergevin	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 3 16:00 - 24:00

		Hrs.
Driller	R. BEDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BÉRUBE	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2328	2339	11

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	34	216	M89TF	3.8.7	947957	18,000	55	78	44.50			100	DRLG		

No	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SD	8.89 m
1	SARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
7	Stands DP	m
5	Singles DP	2128.00 m
	Kelly Down	9.34 m
	Total	2339.00 m

MUD	16:00	18:00	20:00	22:00	Additives in kg
Density kg/m³	1055	1060	1060	1060	Caustic 50 Kg
Viscosity s/L	53	85	80	68	KCL 10 SACKS
Filtrate cm³					
pH	11.5	11.5	11.5	11.5	
Press kPa Pump 1	7100	7100	7400	7500	INHIBITOR 1 GAL
Press kPa Pump 2					Remarks WATER LOSS FOR 30 MIN 19 ml
S.P.M. Pump 1	120	120	120	120	safety meeting TALK about cat head
S.P.M. Pump 2					

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6

Surveys: Depth m ° | Depth m °

B.O.P. CONTROL

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Force of String	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
78.000 daN		32	10	3510	278759	0	0	7150	1357	Over cast	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature: Roland Bédard

Time	Start	Stop	Intvl
DRILL 216mm HOLE	16:00	24:00	8
Service Rig CONNECTION	:		
	:	TOTAL	8

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested: Minutes	Pressure kPa	Checked: Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 0.95CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier
Approved by Toolpusher: Gerard Quinet

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11629

Rig No. 6 | Well Name SOQUIP. PETROFINA. BAIE DE. GASPÉ NORD. NO: 1

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 316
Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ | Report Number 59

Date: 81 (Year) 5 (Month) 4 (Day) | Rig No. 6

From	To	Metres
2261	2271	10

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
34	216	M89TF	3/8.7	947957	16,000	55	10	5:50			125	DR	LG	
RUN IN 2261														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SC	8.89	m
1	STABS	5.31	m
1	MONEL	8.89	m
1	X.O.	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
72	Stands DP	2052.48	m
2	Singles DP	12.20	m
	Kelly Down		m
	Total	2271.27	m

Force of String 77,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³		1065	1065	1060
Viscosity s/L	1	50	68	65
Filtrate cm³	R			
pH		11.5	11.5	11.5
Press kPa Pump 1	P	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 KG; POLYMER 1 PAIL; FLR 100 25 KG; VISCHEM 1 GAL
Desilter / Desander: Hours Operated 6 H; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa
Motor Hours: 1 8 MAY 5; 2 8 " " ; 3 8 " " ; 4; 5; 6
Next Oil Change
Remarks: 45 GAL SYRAN 220 EP
WATER LOSS 20 CC FOR 30 minutes

SURVEYS: Depth m 2270 ° 11; Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3521	278759	0	0	7150	1357	SUNNY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. Belanger

Report Number 59	Start	Time Stop	Intvl
FINISH. RUN. IN. HOLE	:0	1:50	1.50
BREAK. CIRC	1:50	1:75	0.25
DRILL 216 M.M. HOLE	1:75	6:75	5:00
SURVEY.	6:75	7:50	0.75
DRILL	7:50	8:00	0.50

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick S. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2271	2288	17

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
34	216	M89TF	3/8.7	947957	16,000 / 18,000	55	27	13:50						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SC	8.89	m
1	STABS	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
72	Stands DP		m
2	Singles DP		m
	Kelly Down	10.19	m
	Total	2288	m

Force of String 78,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	58	60	62	1045
Viscosity s/L	1050	1050	1050	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6900	6900	6700	6900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KG POLYMER 13 Gal 5 X 5; KCL 5 X 5; 1 OF VIS 25 KG; 25 KG CAUSTIC; 1 Gallon VISCHEM
Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa
Motor Hours: 1 8 May-5; 2 8 May-5; 3 8 May-5; 4; 5; 6
Next Oil Change
Remarks: Changed oil in D-353 Cats
Jetted Flowline
45 Gallon Scavenger { 2 combinations per Houres }

SURVEYS: Depth m °; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3521	278759	0	0	7150	1357	Sun	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature T. Turriff

Report Number 59	Start	Time Stop	Intvl
Drill 216 mm Hole	8:00	16:00	8.00

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease Luc Bergevin	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2288	2302	14

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
34	216	M89TF	3-8.7	947957	18,000	55	41	21			90	DR	LG	

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SC	8.89	m
1	STABS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
74	Stands DP	2090.48	m
	Singles DP		m
	Kelly Down	4.93	m
	Total	2302	m

Force of String 78,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1045	1055	1060
Viscosity s/L	53	100	100	100
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6600	7300	7100	7100
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL; CAUSTIC 100 Kg; POLYMER 25 Kg; INHIBITOR 1 GAL
Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa
Motor Hours: 1 8 MAY 18; 2 8 MAY 18; 3 8 MAY 18; 4; 5; 6
Next Oil Change
Remarks: CHECK TRIPLEX HALF SPEED 60 STROKES 3200 KPA

SURVEYS: Depth m 2299 ° 12°; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3521	278759	0	0	7150	1357	SUN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Report Number 59	Start	Time Stop	Intvl
DRILL 216 MM HOLE	16:00	21:45	5.75
SURVEY RIG SERVICE	21:75	22:25	.50
DRILL	22:25	24:00	1.75

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs. | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 1.20 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Jean
Approved by Toolpusher: Gérard Quinet

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11628

Rig No. 6 | Well Name SOOCIP-PETROFINA-BAIE-DE GASPÉ NORD-NO-1 #

Date: 81 (Year) 5 (Month) 3 (Day) | Rig No. 6

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 58

From	To	Metres
2220	2237	17

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
33	216	J55	3/8.7	58277	18000 / 16000	60	29	13.75			200	DAL	G	

Drilling Assembly (At End of Tour)

No.		Metres
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.D.	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
21	Stands DP	m
2	Singles DP	2034.48
	Kelly Down	6.13 m
	Total	2237.00 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1060	1060	1065	1066
Viscosity s/L	82	80	62	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 105KS; CAUSTIC 25KG; CMC 8SKS; VISCHEM 1GALL

Desilter / Desander: Hours Operated 8H; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MAY 5

Remarks: 45 GALL SCAVENGER; 95 GALL UNIVERSSELLE 30; WATER LOSS 25 CC FOR 30 minutes

SURVEYS: Depth m ~~2233~~ 10½; Depth m; 2233

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 278759 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1357 | Weather | Roads GOOD

Force of String 76.000 daN

Time Stop	Intvl	Activity
6:00	6:00	DRILL 216 MM HOLE
6:50	:50	SURVEY-RIG SERV
8:00	1:50	DRILL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2237	2253	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
33	216	J55	3/8.7	58277	16,000	55	45	21						

Drilling Assembly (At End of Tour)

No.		Metres
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SD	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	9.61 m
	Total	2253 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	65	65	64	62
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 5 Gel 3 SXS; 10 KCL SXS; 1 Polymer; 1 FLB100; VISCHEM 1 L.

Desilter / Desander: Hours Operated 8H30; U.F. Density kg/m³ 1085; O.F. Density kg/m³ 1030; Flow Rate L/min 12

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: May-5; May-5; May-5

Remarks: DUMP + clean TANK NO 2; 45 Gallon 205 HUILE

SURVEYS: Depth m; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 278759 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1357 | Weather Clear | Roads Good

Force of String 72.000 daN

Time Stop	Intvl	Activity
8:00	6:50	Drill 216mm Hole
14:50	0:75	Survey + Rig Service
15:25	0:75	Drill

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

INJURIES - COMPLETE BELOW

TOUR 2 08:00 - 16:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	R. Cayer	8
Floor	S. Berube	8
Lease	Luc Bergevin	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 3 16:00 - 24:00

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TORRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BERUBE	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2253	2261	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
33	216	J55	3.8.7	58277	16000	55	53	24.50				3	2	1
34	216	M89TF	3x8.7	947957										

Drilling Assembly (At End of Tour)

No.		Metres
1	BIT R3	1.63 m
3	STABS	3.65 m
1	SD	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	m
9	Singles DC	177.45
78	Stands DP	m
7	Singles DP	2052.48
	Kelly Down	11.98 m
	Total	2261 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050		
Viscosity s/L	58	55		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	6000	6000		
Press kPa Pump 2				
S.P.M. Pump 1	120	120		
S.P.M. Pump 2				

Additives in kg: KCL 10 SACKS

Desilter / Desander: Hours Operated 4; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MAY 5; MAY 5

TRIP

Remarks: O. 90 CM FILL PIPE; O. 30 CM FILL COLLARS

SURVEYS: Depth m; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 2[illegible] | Total MJ 278759 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1357 | Weather clear | Roads GOOD

Force of String 77.000 daN

Time Stop	Intvl	Activity
14:00	3:50	DRILL 216MM HOLE
19:50	:50	eastman survey
~~20:00~~		~~[illegible]~~
20:00		Pull out Hole line
	3:00	eastman survey in Hole
24:00	1:00	change bits run COLLARS and pipe

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 1442 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Bruno Tessier

Approved by Toolpusher: Gerard Dumont

Drill Pipe Record: Size mm | Grade | Premium | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY — NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11627

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1H

Pump No. 1 ▶ Type NATIONAL AP80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 170 | Stroke Length mm 406
Location GASPÉ QUÉ | Report Number 57

Date: Year 81 Month 5 Day 2 | Rig No. 6

From	To	Metres
2195	2204	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	355	3-8.7	62076	18,000	60	124	61.50			250	DRLG		
RUN	IN	2080			20,000	55								

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	STABS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
6	Stands DC		m
1	Singles DC	177.45	m
70	Stands DP		m
1	Singles DP	1986.75	m
	Kelly Down	10.66	m
	Total	2204	m

Force of String 75,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1053	1060	1060
Viscosity s/L	55	65	65	62
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	7000	7000	7300	7300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25kg; VIS CHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 MAY-5; 3 8 MAY-5; 4; 5; 6

Next Oil Change

Remarks: Water loss 26

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 3780 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7850 | Meters 1371 | Weather CLEAR | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

Start	Time Stop	Intvl	
00:00	8:00	8:00	DRILL 216 MM HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2204	2208	4

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	355	3/8.7	62076	20000	55	128	65			300	6	4	1
33	216	355	3/8.7	58277										
RUN: 2208														

Drilling Assembly (At End of Tour)

No.			
1	SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	STABS	5.31	m
1	MONEL	8.89	m
1	X.O.	0.77	m
6	Stands DC		m
1	Singles DC	177.45	m
70	Stands DP		m
2	Singles DP	1995.95	m
	Kelly Down	5.46	m
	Total	2208	m

Force of String 76,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1065	1065	1065	
Viscosity s/L	110	80	75	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	7300	—		
Press kPa Pump 2		6500	6500	
S.P.M. Pump 1	120			
S.P.M. Pump 2		52	52	

Additives in kg: FLR 100 25kg

Desilter / Desander: Hours Operated 4; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 MAY.5; 2 8 " " ; 3 8 " " ; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m 2208 9½ °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 8387 | Total MJ [illegible] | Slipped (m) 14 | Cut 14 | Next Slip 7150 | Meters 857 | Weather SUNNY | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature Jm Belanger

Start	Time Stop	Intvl	
8:00	11:50	3:50	DRILL 216 M.M. HOLE
11:50	12:00	:50	DROP SURVEY.
12:00	14:75	2:75	PULLOUT OF HOLE
14:75	15:00	:25	CHANGE BIT
15:00	15:50	:50	RUN IN COLLARS IN HOLE
15:50	16:00	:50	SLIP AND CUT LINE 14 METRES

TOUR ② 08:00 - 16:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TAUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2208	2220	12

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
33	216	355	3/8.7	58277	17,000	55	12	6.25						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	Jars	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
6	Stands DC	177.45	m
1	Singles DC		m
71	Stands DP	2005.54	m
	Singles DP		m
	Kelly Down	7.87	m
	Total		m

Force of String 76,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³		1050	1050	1050
Viscosity s/L		68	85	80
Filtrate cm³				
pH		11.5	11.5	11.5
Press kPa Pump 1		6400	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 10 KCL SXS; 1 polymer; 1 Gallon Vischer

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1085; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 May-5; 2 8 May-5; 3 8 May-5; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 278757 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Meters 1357 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

Start	Time Stop	Intvl	
16:00	16:50	0:50	Slip & Cut
16:50	17:50	1:00	Run in Hole
17:50	:		Break circulation & clean to Bottom
:	17:75	0:25	
17:75	24:00	6:25	Drill 216 mm Hole (Rig Service)

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Burube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM TANK 60 H | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier

Approved by Toolpusher: Brard Quinet

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11626

Rig No. 6 | Well Name SOQUIP PETROFINA BOIE DE GASPÉ NORD 1A

Pump No. 1 ▶ NATIONAL P80 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 120 | Stroke Length mm 406
Location GASPIE QUÉ | Report Number 56

Date: Year 81 Month 5 Day 1 | Rig No. 6

From	To	Metres
2146	2164	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3-8.7	62076	18,000	60	84	38.50			150	D	R	2 G
RONIN 2080														

Drilling Assembly (At End of Tour)

No.		
1	BIT SR3	1.63 m
3	STABS	3.65 m
1	S.Q.	8.89 m
1	JARS	3.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
10	Stands DC	m
1	Singles DC	177.45 m
69	Stands DP	1948.5 m
	Singles DP	m
	Kelly Down	8.90 m
	Total	2164 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	58	68	78	72
Filtrate cm³				
pH	11.0	11.0	11.5	11.5
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: Caustic 75 kg; Gel 10 sxs

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 MAY-5; 3 8 MAY-5; 4; 5; 6

Next Oil Change

Remarks: U.I.S CHEM 1 GAL

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads
	32	10	3720	270372	0	0	7150	1371 CLEAR	GOOD

Force of String 75,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No — | Driller's Signature Raymond Bérubé

Start	Stop	Intvl	Time
DRILL 216 MM HOLE	00:00	8:00	8:00

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING ~~THIS TIME~~ I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hrs.
Driller R. BERUBE 8
Derrick M. JACQUES 8
Motor A. HAMEL 8
Floor M. CHARLAND 8
Floor R. TREPANIER 8
Lease
Other
Assistant Derrick

INJURIES - COMPLETE BELOW

From	To	Metres
2164	2180	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3/8.7	62076	18,000	60	100	46			150	D	R	2 G

Drilling Assembly (At End of Tour)

No.		
1	BIT SR3	1.63 m
3	STABS	3.65 m
1	S.Q.	8.89 m
1	JARS	3.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
69	Stands DP	m
3	Singles DP	196.64 m
	Kelly Down	m
	Total	2180.00 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060	1060	1065
Viscosity s/L	64	65	60	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 sxs; Polymer 1 Pail; Caustic 25 kg; Gel 8 Gel; U.I.S CHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 " " " ; 3 8 " " " ; 4; 5; 6

Next Oil Change

Remarks: WATER LOSS 23 cc FOR 30 minutes

SURVEYS: Depth m 2167 -9- | Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads
	32	10	3720	270372	0	0	7150	1371 SUNNY	GOOD

Force of String 75000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature Jim Bilodeau

Start	Stop	Intvl
DRILL 216 MM HOLE	8:00	9:50	1:50
SURVEY. RIG-SERV	9:50	10:00	0:50
DRILL	10:00	16:00	6:00

TOUR ② 08:00 - 16:00 — Hrs.
Driller J.M. BELANGER 8
Derrick J. DUBEAU 8
Motor N. LAUZÉ 8
Floor G. TRUDEL 8
Floor R. TOUSIGNANT 8
Lease L. BERGEVIN 8
Mechanic C. BLANCHETTE 8
Assistant Derrick

INJURIES - COMPLETE BELOW

From	To	Metres
2180	2195	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3/8.7	62076	18,000	60	115	53.50						

Drilling Assembly (At End of Tour)

No.		
1	BIT SR3	1.63 m
3	STABS	3.65 m
1	SQ	8.89 m
1	JARS	3.31 m
1	MONEL	8.89 m
1	XO	0.79 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
70	Stands DP	1977.10 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	2195.84 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	65	65	64	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6600	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 10 KCL; 25 KG 12 R100

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 May-5; 2 8 May-5; 3 8 May-5; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m 2195 9¼ | Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads
	32	10	3720	270372	0	0	7150	1371 Clear	Good

Force of String 75,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Start	Stop	Intvl
Drill 216 mm Hole	16:00	23:25	7:25
Survey & Rig Service	23:25	23:75	0:50
Drill 216 mm Hole	23:75	24:00	0:25

TOUR ③ 16:00 - 24:00 — Hrs.
Driller I. Turriff 8
Derrick R. Larochelle 8
Motor Kim Turriff 8
Floor P. Cayer 8
Floor S. Berube 8
Lease
Other
Assistant Derrick

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	
Ran	JTS	CSG
To	K.B.Used	Sx
Cem Plus	%
Plug Down @	hrs
m³ Returns	

Fuel @ 00:00 To TANK FULL
Fuel Rec'd Today BOTTOM TANK 40'
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Tessier
Approved by Toolpusher: Gérard Quimet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11675

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1A | Location GASPE NORD | Report Number 55

Date: 81 (Year) 4 (Month) 30 (Day) | Rig No. 6

Pump No. 1 ▶ NATIONAL 8 P80 | Type | Liner Size mm 137 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
2095	2113	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3-8.7	62076	16000	60	3.3	15.50			150	DR	2	6
	RUNIN		2080											

Drilling Assembly (At End of Tour)

No.			
1	BIT SR.3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
6	Stands DP		m
1	Singles DP	190.88	m
	Kelly Down	4.53	m
	Total	2113	m

Force of String 74,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	76	70	65	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.0
Press kPa Pump 1	7000	7000	7000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25kg; VIS CHEM IRA

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L.

Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 MAY-5; 3 8 MAY-5; 4; 5; 6

Remarks: WATER LOSS 30 cc FOR 30 MINUTE
SCAVENGER 45 GALLON

SURVEYS: Depth m 2111 8 3/4 | Depth m

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 3720 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | MJ Temp 1371 | Weather RAIN | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No — | Driller's Signature Raymond Berube

Activity	Start	Time Stop	Intvl
DRILL 216 MM HOLE	00:00	6:50	6:50
SURVER + RIG SERV	6:50	7:00	50
DRILL	7:00	8:00	1:00
TOTAL			8

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2113	2128	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3/8.7	62076	16000 18000	60	48	22.50			150	DR	6	

Drilling Assembly (At End of Tour)

No.			
1	BIT SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X.O.	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	191.45	m
17	Stands DP		m
5	Singles DP	1911.05	m
	Kelly Down	10.32	m
	Total	2137.84	

Force of String 74.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	60	64	60	64
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: POLYMER 1 PAIL; KCL 15 SKS; FRL 100 25 KG; GEL 12 SKS; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L

Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 1111; 3 8 1111; 4; 5; 6

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 3720 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 750 | MJ Temp 1371 | Weather RAIN | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature

Activity	Start	Time Stop	Intvl
DRILL 216 MM. HOLE	8:00	8:75	0.75
CIRC. FOR. SAMPLE	8:75	9:75	1:00
DRILL. RIG. SERV. ON. CONN	9:75	16:00	6.85
TOTAL			8

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2128	2146	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	J55	3/8.7	62076	18,000	60	66	30.50						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
6	Stands DP	1929.68	m
1	Singles DP		m
	Kelly Down	9.73	m
	Total	2146	m

Force of String 74,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	63	63	54	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6500	6500	6500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: FLR 100 25 KG; 15 KCL 5 XS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min

Pressure kPa

Motor Hours: 1 8 May-5; 2 8 May-5; 3 8 May-5; 4; 5; 6

Remarks: 1 Gallon vis-tone
Dump + clean suction Tank
45 Gallon Huile 220

SURVEYS: Depth m 2139 8 3/4 | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 3720 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | MJ Temp 1371 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Jamie Turriff

Activity	Start	Time Stop	Intvl
Drill 216 mm Hole	16:00	20:30	4 1/2
Survey	20:30	21:00	1/2
Drill	21:00	24:00	3
Total			8

TOUR ③ 16:00 - 24:00	Hrs
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00	TOP TANK FULL
Fuel Rec'd Today	Bottom tank 52"
Total	
Fuel @ 23:59	
Fuel Used	

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: J. Fer
Approved by Toolpush: Gerard Quinet

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11674

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1A

Pump No. 1 ▶ NATIONAL 8P80 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406
Location GASPE Q-ué | Report Number 54

Date: Year 81 Month 4 Day 29 | Rig No. 6

From	To	Metres
2066	2078	12

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	1-9.5 2-8.7	BH1854	14.000	60	124	61			200	D	R	2
INST 1954														

Drilling Assembly (At End of Tour)

No.			
1	Bit S.R.3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X-O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
66	Stands DP	1865.13	m
	Singles DP		m
	Kelly Down	6.38	m
	Total	2078	m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1060	1055	1055	1055
Viscosity s/L	68	70	71	68
Filtrate cm³				
pH	11.5	11.0	11.5	11.5
Press kPa Pump 1	6,000	6,000	6,000	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 kg; VIS CHEM 1 Gal

Desilter / Desander: Hours Operated HRS 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L.; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY 5
2	8	MAY-5
3	8	MAY-5
4		
5		
6		

Remarks: WATER LOSS 31 cc 30 minute.

SURVEYS: Depth m | Depth m

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Meters	Weather	Roads
	32	10	0	270372	0	0	7150	1371	CLEAR	GOOD

Force of String 74,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No ✓ | Driller's Signature Raymond Bérubé

Start	Time Stop	Intvl	
00:00	8:00	8	DRILL 216 MM HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉRUBÉ	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TRÉPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2078	2080	2

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	1-9.5 2-8.7	B-H1854	14.000	60	126	63			300	T	1	0-0-0-20
32	216	355	3/18.7	62076										

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X-O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
66	Stands DP	1865.13	m
	Singles DP		m
	Kelly Down	8.38	m
	Total		m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	TRIP	TRIP	TRIP
Viscosity s/L	65			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	6000			
Press kPa Pump 2				
S.P.M. Pump 1	120			
S.P.M. Pump 2				

Additives in kg: POLYMER 1 PAIL; KCL 105 KG; FLR 100 25 KG; VISCHEM 1/2 GAL

Desilter / Desander: Hours Operated 1H; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L

Motor Hours		Next Oil Change
1	8	5 MAY
2	8	"
3	8	"
4		
5		
6		

Remarks: 0.30 CM use to fill hole for full pipe
0.22 CM use to fill hole for collars
52 CM TOTAL

SURVEYS: Depth m 2058 1.57E | Depth m 2080 9

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Meters	Weather	Roads
	32	10	3720	270372	0	0	7150	1371	SUNNY	GOOD

Force of String 74,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✗ No | Driller's Signature J. Bélanger

Start	Time Stop	Intvl	
8:00	9:00	1:00	DRILL 216 M.M. HOLE
9:00	10:00	1:00	SURVEY WITH EASTMAN TOOL
10:00	12:50	2:50	PULL OUT OF HOLE
12:50	13:00	:50	CHANGE BIT CHANGE ROLLERS
13:00	15:50	2:50	RUN IN HOLE
15:50	16:00	:50	REAMING 2070 to 2080

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
2080	2095	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
32	216	355	3/18.7	62076	14.000	65	[redacted]	[redacted]						
							15	8						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	JARS	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
66	Stands DP	1883.67	m
2	Singles DP		m
	Kelly Down	4.74	m
	Total	2095	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1055
Viscosity s/L	65	60	70	80
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6000	6000	7000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 23 Stel 5 X 5; 1 Gal vischem

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1040; Flow Rate L/min 12L

Motor Hours		Next Oil Change
1	8	May-5
2	8	May-5
3	8	May-5
4		
5		
6		

Remarks: WATER LOSS 27 ml. 30 minute

SURVEYS: Depth m | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Meters	Weather	Roads
	32	10	3720	270372	0	0	7150	1371	RAIN	GOOD

Force of String 74,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Kim Turriff

Start	Time Stop	Intvl	
16:00	24:00	8:00	Drill 216mm Hole
			Total 8

TOUR ③ 16:00 - 24:00	Hrs.
Driller K. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested PressurekPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 60'
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier
Approved by Toolpusher: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11673

Rig No. 6 | Well Name SO QUEBEC PETROFINA BAIE DE GASPÉ NORD #1 | Location GASPE QUE | Report Number 53

Date: Year 81 Month 4 Day 28 | Rig No. 6

Pump No. 1 ▶ NATIONAL 8P80 197 | Liner Size mm 216 | Stroke Length mm | Pump No. 2 ▶ EMSCO D700 140 | Liner Size mm 406 | Stroke Length mm

From	To	Metres
2037	2042	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	9-9-9-8-7	BH1854	18,000	65	88	37.50			200	DRLG		
IN AT 1954														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
64	Stands DP		m
2	Singles DP	1877.05	m
	Kelly Down	8.36	m
	Total	2042	m

Force of String 71,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	72	61	63	83
Filtrate cm³				
pH	11.5	11.5	11.0	11.0
Press kPa Pump 1	5800	5800	6100	6100
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 75 KG; BEL 17 SXS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 MAY-5; 2 8 MAY-5; 3 8 MAY-5; 4; 5; 6

Remarks: SAFETY MEETING; FIRE EXTINGUISHERS OK; 1 BARREL HYDRAFLO 45 GALS; 1 BARREL GIRAN 45 GALS; WATER LOSS 28cc

SURVEYS: Depth m 2036 8°

Crown Stopper Checked ? — | Reset ? — | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mark 1371 | Weather CLEAR | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Berube

Start	Stop	Intvl	
00:00	4:00	4:00	DRILL 216 MM HOLE
4:00	4:50	50	SURVEY + RIG SERV + BOPS
4:50	8:00	3:50	DRILL
			TOTAL 8

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hrs.

Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M.C HARLAND	8
Floor	R. TREPANIER	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
2042	2055	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	9-8-7	BH1854	12,000 / 14,000	65	101	45			250	DRL	6	

Drilling Assembly (At End of Tour)

No.			
	Bit SR3	1.63	m
	3 STABS	3.65	m
1	S.Q.	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
63	Stands DP	1836.64	m
	Singles DP		m
	Kelly Down	12.20	m
	Total	2055.43	m

Force of String 72,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	1060	1060	1065
Viscosity s/L	104	92	74	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6100	5800	5800	5800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: FLR 100 25 KG; POLYMER 1 PAIL; KCL 15 SXS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 MAY 5; 2 8 MAY 5; 3 8 MAY 5; 4; 5; 6

Remarks: WATER LOSS 31 CC FOR 30 MINUTES

SURVEYS: Depth m 2055 8 1/2°

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mark 1371 | Weather | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Start	Stop	Intvl	
8:00	15:00	7:50	DRILL 216 M.M. HOLE
15:50	16:00	0:50	SURVEY - RIG - SERV

TOUR ② 08:00 - 16:00 — Hrs.

Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease	L. BERGEVIN	8
Mechanic	C. BLANCHETTE	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00 — Hrs.

Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	R. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

From	To	Metres
2055	2066	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	9-8-7	BH1854	14,000	60	112	53						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.65	m
1	SQ	8.89	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
65	Stands DP	1855.49	m
2	Singles DP		m
	Kelly Down	8.92	m
	Total	2066	m

Force of String 72,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	65	70	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6000	6000	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 15 KCL; 25 KG CAUSTIC

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12 2; Pressure kPa

Motor Hours: 1 8 May-5; 2 8 May-5; 3 8 May-5; 4; 5; 6

Remarks: 2 mitre Scavenger pot housed 45 gallons 220 HULL; Held B.O.P. Drill; WATER LOSS 28 CM - 30 minutes

SURVEYS: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Mark 1371 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

Start	Stop	Intvl	
16:00	24:00	8:00	Drill 216 mm Hole
			Total 8

TOUR ③ 16:00 - 24:00 — Hrs.

Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	R. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	
To	K.B. Used	Sx	
	Cem Plus	%	
	Plug Down @	hrs	
	m³ Returns		

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 42'1
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier

Approved by Toolpusher: Gerard Quinnet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11672

Rig No. 6 | Well Name: SOQUIP PETROLINA BAIE DEGASPÉ NORD 1N

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216 | Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406 | Location GASPÉ Que | Report Number 52

Date: Year 81 Month 4 Day 27 | Rig No. 6

Day 1

From	To	Metres
1968	1989	21

No.	Drilling Assembly (At End of Tour)	
1	Bit S.R.3	1.63 m
3	STABS	3.65 m
1	S.Q.	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	177.45 m
62	Stands DP	m
2	Singles DP	1770.91 m
	Kelly Down	11.07 m
	Total	1989.55

Force of String 70,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	7.95 / 8.7	BH1854	18000	60	35	15			125	D	RL	S
	IN	1954												

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	58	72	80	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6,000	6,000	6000	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25kg; MFL 20 SXS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 MAY-5; 2 " ; 3 " ;

Remarks: WATER LOSS 30 CC

SURVEYS: Depth m 1980 ° 6 ; Depth m

Crown Stopper Checked? — Reset? — Kelly Cock Checked? — Rig Savers Checked? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Meters 1371 | Weather RAIN | Roads GOOD

Time Start	Stop	Intvl	
00:00	4:00	4:00	DRILL 216MM HOLE
4:00	4:50	.50	SURVEY & RIG SERV
4:50	8:00	3.50	DRILL
		8	TOTAL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Berube

Day 2

From	To	Metres
1989	2008	19

No.	Drilling Assembly (At End of Tour)	
	Bit SR3	1.63 m
3	STABS	3.65 m
1	S.Q.	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X-O	0.77 m
		m
		m
6	Stands DC	m
1	Singles DC	17.45 m
63	Stands DP	m
1	Singles DP	1789.59
	Kelly Down	12.20 m
	Total	2008.38 m

Force of String 70,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	7.95 / 8.7	BH1854	18000	60	54	22			250	D	RL	G

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1055	1050	1050
Viscosity s/L	61	68	65	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5,800	5800	5800	5800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SXS; POLYMER 1 PAIL; FLR 100 25 KG; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 MAY 5; 2 " ; 3 " ;

Remarks: WATER LOSS: FOR 3 MINUTES 30 CC
GREASE CROWN + BLOCK
DUMP + CLEAN SHAKER BOX
DUMP + CLEAN SHAKER TANK + I

SURVEYS: Depth m 1983 ° N67E ; Depth m 2008 ° 7

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Meters 1371 | Weather CLOUDY | Roads GOOD

Time Start	Stop	Intvl	
8:00	11:50	3:50	DRILL 216 M.M. HOLE
11:50	12:00	.50	SURVEY WITH EASTMAN RIG SERV
12:00	15:25	3.25	DRILL
15:25	15:75	.50	SURVEY
15:75	16:00	0.25	DRILL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature Jean Bélanger

Day 3

From	To	Metres
2008	2027	19

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.65 m
1	SQ	8.89 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	XO	0.77 m
		m
		m
6	Stands DC	177.45 m
1	Singles DC	m
6	Stands DP	1808.79 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	2027.58 m

Force of String 71,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
31	216	F3	7.95 / 8.7	BH1854	18000 / 6000	60	73	30						

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	64	65	62
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5500	5500	5500	6500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 10 KCL SXS; 1 Polymer

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 May-5; 2 May-5; 3 May-5

Remarks: 45 Gallons Scavenger
WATER LOSS 27 MILLIRE 30 minutes
SCAVENGER 2 hours = 2 cc

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 270372 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Meters 1371 | Weather Clear | Roads Good

Time Start	Stop	Intvl	
16:00	24:00	8.00	Drill 216mm Hole

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	
Ran JTS	CSG
To K.B. Used	Sx
Cem Plus	%
Plug Down @	hrs
m³ Return	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 241
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Tom Turriff

Approved by Toolpush: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor B. HAMEL	8
Floor M. CHARZAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L-BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11671

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1A | Location GASPE NORD 1A | Report Number 51

Date: Year 81 Month 4 Day 26 | Rig No. 6

Pump No. 1 ▶ NATIONAL 8 | Type P80 | Liner Size mm 197 | Stroke Length mm 316
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 170 | Stroke Length mm 206

From	To	Metres
1927	1948	21

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	30	216	533	3-8.7	71145	17,000	65	290	109			150	DRLG		
		IN	1658												

No.	Drilling Assembly (At End of Tour)		
1	BIT S.R.3	1.63	m
3	STABS	3.68	m
1	S.C.	7.54	m
1	JARS	5.31	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
			m
6	Stands DP	167.95	m
	Singles DC		m
61	Stands DP		m
9	Singles DP	1742.67	m
	Kelly Down	9.62	m
	Total	1948	m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1060	1035
Viscosity s/L	75	73	68	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5800	5800	5800	5700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25kg; KCL 55xs; GEL 25xs; VIS CHEM 1 Bag

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY-5
2	8	"
3	8	"
4		
5		
6		

Remarks: WATER LOSS 28cc FOR 30 MINUTE. 45 GALLON SCAVENGER.

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Metres	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	SNOW	GOOD

Force of String 67,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Beruble

Time Stop	Intvl	
8:00	8	DRILL 216 MM HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor G. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1948	1954	6

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	30	216	533	3-9.5 1-8.7	71145	17,000	65	296	110.75			150	6	3	1mm

No.	Drilling Assembly (At End of Tour)		
1	BIT SR3	1.63	m
3	STABS	1.65	m
1	S.C.	8.89	m
			m
			m
			m
			m
6	Stands DC		m
1	Singles DC	177.45	m
35	Stands DP	988.46	m
	Singles DP		m
	Kelly Down		m
	Total		m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060		
Viscosity s/L	80	62		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	5800	5800		
Press kPa Pump 2				
S.P.M. Pump 1	120	120		
S.P.M. Pump 2				

Additives in kg: VISCHEM

Desilter / Desander: Hours Operated 8 MAY 5; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAY 5
2	8	"
3	8	"
4		
5		
6		

Remarks: FLIP

SURVEYS: Depth m 1950 5½ ° | Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Metres	Weather	Roads
	32	10	12691	270372	28	28	7150	1371		GOOD

Force of String daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature Jm Bélanger

Time Stop	Intvl	
8:50	50	DRILL 216 MM HOLE
9:00	50	SURVEY RIG SERV
10:35	1 35	DRILL
12:00	1 25	PULL OUT OF HOLE
:	:	LAY DOWN S.C.
:	:	PICK NEW ONE S.C. CHANGE BIT
13:50	1 50	PICK UP 1 COLLARS
14:50	1 00	RUN IN COLLARS
15:00	50	SLIP AND CUT LINE 28M
16:00	1 00	RUN IN HOLE

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BÉLANGER	8
Derrick J DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1954	1968	14

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	31	216	F3	1-9.5 1-8.7	BH1854	20,000	55	14	7.50						

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
3	STABS	4.08	m
1	SB	8.89	m
1	JARS	5.31	m
1	Monel	8.89	m
1	XO	0.77	m
			m
			m
6	Stands DC	177.45	m
1	Singles DC		m
6	Stands DP	1751.86	m
	Singles DP		m
	Kelly Down	9.12	m
	Total	1968	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1060	1060	1050
Viscosity s/L	65	65	68	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	8000	7000	7000	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 1 FLR 100; 25 KCL SXS; 1 polymer; 50 CAUSTIC; 1 S. VISCHEM

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours		Next Oil Change
1	8	May-5
2	8	May-5
3	8	May-5
4		
5		
6		

Remarks:

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Metres	Weather	Roads
	32	10	0	270372	0	0	7150	1371	Clear	Good

Force of String 69,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature

Time Stop	Intvl	
16:00		Run In & Break circulation
16:50	0 50	Clean to Bottom
24:00	7 50	Drill 216mm Hole
Total	8 00	

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 32½
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative
Approved by Toolpush Gérard Quimet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR
REGENT DRILLING LIMITED
12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11670

Rig No. 6
Well Name SOQuip pétro fina - BAIE DE GASPÉ NORD I
Location GASPE NORD I
Report Number 50
Date: Year 81 Month 4 Day 25
Rig No. 6

Pump No. 1	Type NATIONAL 8 PBO	Liner Size mm 127- 216	Stroke Length mm		
Pump No. 2	Type EMSCO D700	Liner Size mm 140	Stroke Length mm 406		

TOUR 1 (00:00 - 08:00)

From	To	Metres
1872	1889	17

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
30	216	533	2-9.5 1-8.7	71145	14000	65	231	86.50			100		DRLG	
IN 1658														

No.	Drilling Assembly (At End of Tour)	m
1	Bit SR3	1.63
3	STABS	3.68
1	SO	7.54
1	JARS	5.31
1	MONEL	8.89
1	OX	0.77
6	Stands DC	167.95
	Singles DC	
59	Stands DP	
	Singles DP	1685.43
	Kelly Down	7.80
	Total	1889
	Force of String	65.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1060	1060
Viscosity s/L	70	68	64	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	5600	5400	5400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg:
CAUSTIC —
GEL —
INHIBITOR 1 GAL

Desilter / Desander	
Hours Operated	8
U.F. Density kg/m³	1120
O.F. Density kg/m³	1030
Flow Rate L/min	12
Pressure kPa	

Motor Hours		Next Oil Change
1	8	MAY 5
2	8	MAY 5
3	8	MAY 5
4		
5		
6		

Remarks: WATER LOSS = 29 cc FOR 30 minutes

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? ✓ Reset ? ✓ Kelly Cock Checked ? ✓ Rig Savers Checked ? ✓

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	4119	257676	0	0	7150	1399	[illegible]	GOOD

	Start	Stop	Intvl
DRILL 216mm HOLE	00:00		
service Rig CONNECTION		8:00	8
TOTAL			8

Boiler In Use? Hrs 8 Camp In Use? Hrs ✓ BOP Drill Yes ✓ No Driller's Signature Roland Bédard

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérubé	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 2 (08:00 - 16:00)

From	To	Metres
1889	1907	18

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	533	2-9.5 1-8.7	71145	14000	65	249	94			100		DRLG	

No.	Drilling Assembly (At End of Tour)	m
1	SR3	1.63
3	STABS	3.68
1	S.O	7.54
1	JARS	5.31
1	MONEL	8.89
1	X.O	0.77
6	Stands DC	167.95
	Singles DC	
60	Stands DP	
1	Singles DP	1704.34
	Kelly Down	6.89
	Total	1907
	Force of String	66,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	95	80	68	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5800	5800	5400	5700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg:
CAUSTIC 25 Kg.
GEL = 20 SXS.
POLY 1 PAIL
LFRR 100
INHIBITOR 1 GAL

Desilter / Desander	
Hours Operated	8 HRS.
U.F. Density kg/m³	1100
O.F. Density kg/m³	1035
Flow Rate L/min	12 L.
Pressure kPa	

Motor Hours		Next Oil Change
1	8	MAY 5
2	8	MAY-5
3	8	MAY-5
4		
5		
6		

Remarks:

SURVEYS Depth m	°	Depth m	°
1893	5¼		

Crown Stopper Checked ? — Reset ? — Kelly Cock Checked ? — Rig Savers Checked ? —

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	4119	257676	0	0	7150	1399	OVER CAST	GOOD

	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	10:00	2.00
SURVEY + RIG SERV	10:00	10:50	.50
DRILL	10:50	16:00	5.50
	TOTAL		8

Boiler In Use? Hrs 8 Camp In Use? Hrs 0 BOP Drill Yes ✓ No Driller's Signature Raymond Bérubé

TOUR 2 08:00 - 16:00		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease		
Mechanic	C. BLANCHET	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR 3 (16:00 - 24:00)

From	To	Metres
1907	1927	20

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	533	2-9.5 1-8.7	71145	14000 16000 17000	65	269	101			100		DRLG	

No.	Drilling Assembly (At End of Tour)	m
1	Bit SR3	1.63
3	STABS	3.68
1	S.O.	7.54
1	JARS	5.31
1	MONEL	8.89
1	X-O	0.77
6	Stands DC	167.95
	Singles DC	
61	Stands DP	1723.45
	Singles DP	
	Kelly Down	1.78
	Total	1927.00
	Force of String	66.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1060	1060	1060
Viscosity s/L	63	65	70	76
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5800	5800	5800	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg:
KCL 10 SXS
CAUSTIC 1 SXS
GEL 10 SXS
VISCHEM 1 GALL

Desilter / Desander	
Hours Operated	8
U.F. Density kg/m³	1110
O.F. Density kg/m³	1030
Flow Rate L/min	12 L
Pressure kPa	

Motor Hours		Next Oil Change
1	8	MAY. 5
2	8	" "
3	8	" "
4		
5		
6		

Remarks WATER-LOSS FOR 30 MINUTES: 18 CC

SURVEYS Depth m	°	Depth m	°
1896	MISS		
1921	5		

Crown Stopper Checked ? YES Reset ? YES Kelly Cock Checked ? YES Rig Savers Checked ? YES

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	4119	257676	0	0	7150	1399	RAIN	GOOD

	Start	Stop	Intvl
DRILL 216 MM HOLE	16:00	18:25	2.25
SURVEY WITH EASTMAN	18:25	18:75	.50
DRILL	18:75	21:75	3.00
SURVEY - CHECK HYDRIL	21:75	22:25	.50
DRILL	22:25	24:00	1.75

Boiler In Use? Hrs. 8 Camp In Use? Hrs BOP Drill Yes ✓ No Driller's Signature Jm Bélanger

TOUR 3 16:00 - 24:00		Hrs.
Driller	JM. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B.Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP THANK FULL
Fuel Rec'd Today Bottom 1.20 M
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From Trans #

Approved by Operator's Representative Bm Tessa
Approved by Toolpush Roy [illegible]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc. O.D.mm	No.	O.D.mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11669

Rig No. 6 | Well Name Soquip-PETRO-FINA BAIE-DE GASPÉ NORD I

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 - 216 | Stroke Length mm
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ NORD I | Report Number 49

Date: Year 81 Month 4 Day 24 | Rig No. 6

From	To	Metres
1813	1833	20

BITS: No. 30 | Size mm 216 | Type 533 | Jets mm 2-9.5 1-8.7 | Serial No. 71145 | Force daN 14000 | RPM 65 | Metres 175 | Hrs. 64 | Ream | Hrs. | Torque 110 | T | B DRL | G 6
IN 1658

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	SQ	7.54 m
1	MONEL	8.89 m
1	STABS	5.31 m
1	O.X.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
54	Stands DP	1622.83 m
	Singles DP	m
	Kelly Down	8.90 m
	Total	1833 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	67	58	75	85
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5200	5200	6200	5900
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: CAUSTIC 50 Kg; GEL 18 SACKS; INHIBITOR 1 GAL
Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa
Motor Hours: 1 8 MAY 5; 2 8 MAY 5; 3 8 MAY 5
Remarks: WATER LOSS 30CC FOR 30 minutes

SURVEYS: Depth m 1817 | ° 5½°

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	clear	GOOD

Force of String 64 000 daN

Time	Start	Stop	Intvl
DRILL 216mm HOLE	00:00	1:50	1.50
SURVEY RIG SERVICE	1:50	2:00	.50
DRILL	2:00	8:00	6.00
TOTAL			8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY

TOUR ① 00:00 - 08:00

		Hrs.
Driller	R. BÉDARD	8
Derrick	J. TURRIFF	8
Motor	R. TRÉPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. BERUBÉ	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1833	1850	17

BITS: No. 30 | Size mm 216 | Type 533 | Jets mm 2-9.5 1-8.7 | Serial No. 71145 | Force daN 14000 | RPM 65 | Metres 192 | Hrs. 7½ | Ream | Hrs. | Torque 110 | T | B DRL | G 6

Drilling Assembly (At End of Tour)

No.		
1	SR3	1.63 m
3	STABS	3.68 m
1	SQ	7.54 m
1	MONEL	8.89 m
1	STABS	5.31 m
1	O.X.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
55	Stands DP	1647.51 m
	Singles DP	6.72 m
	Kelly Down	6.72 m
	Total	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1070	1070	1070	1065
Viscosity s/L	74	68	65	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5700	5500	5300	5500
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: KCL: 10 SACS; FLR-100-E : 25kg; POLYMER = 1 Pail
Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1125; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa
Motor Hours: 1 8 MAY 5; 2 8 MAY 5; 3 8 MAY 5
Remarks: INHIBITOR 1 GAL; 45 gall Sweep 220

SURVEYS: Depth m 1836 | ° 5½ | 1830 N 75E 5½

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	CLEAR	GOOD

Force of String 64 000 daN

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	8:00	9:35	1.25
Survey Rig service	9:35	9:75	.50
DRILL	9:75	13:25	3.50
ORIENT	13:25	13:75	.50
DRILL	13:75	16:00	2.25
TOTAL			8.00

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Langevin

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00

		Hrs.
Driller	M. JACQUES	8
Derrick	J. CARON	8
Motor	R. HAMEL	8
Floor	M. CHARLAND	8
Floor	L. ASSELIN	8
Lease		
Mechanic	C. BLANCHETTE	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1850	1872	22

BITS: No. 30 | Size mm 216 | Type 533 | Jets mm 2-9.5 1-8.7 | Serial No. 71145 | Force daN 14000 | RPM 65 | Metres 214 | Hrs. 7850 | Ream | Hrs. | Torque 125 | T | B DRL | G 6

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q.	7.54 m
1	MONEL	8.89 m
1	STAB	5.31 m
1	X.O	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
56	Stands DP	1666.57 m
	Singles DP	m
	Kelly Down	9.66 m
	Total	1872 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	183	85	71	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5800	5600	5600	5600
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: KCL 10 SKS; CAUSTIC 50 KG; GEL 9 SKS
Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa
Motor Hours: 1 8 MAY 5; 2 8 " "; 3 8 " "
Remarks: VISCHEM 1 GAL; CLEAN + DUMP + SUCTION TANK + PILL TANK; WATER LOSS 21 CC 30 minutes; 45 GAL SCAVENGER; 45 GAL VISCHEM; 45 GAL HYDRAFLO 32

SURVEYS: Depth m 1864 | ° .5

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	CLOUDY	GOOD

Force of String 65 000 daN

Time	Start	Stop	Intvl
DRILL 216 M.M. HOLE	16:00	21:25	5.25
SURVEY RIG SERV	21:25	21:75	.50
DRILL	21:75	24:00	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J. M. Belanger

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS | CSG; To K.B Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 Top FULL; Fuel Rec'd Today Bottom 0.80 m; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Ryan Tessier
Approved by Toolpush: Roy Luff

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11668

Rig No. 6 | Well Name SOQUIP-PÉTRO-FINA BAIE DE GASPÉ NORD I | Location GASPÉ NORD I | Report Number 48 | Date Year 81 Month 4 Day 23 | Rig No. 6

Pump No. 1 ▶ NATIONAL 8 P80 — Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 — Type | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1747	1769	22

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	J33	2.9.5 1-8.7	71145	14000	65	111	42			110	DRLG		
IN 1658														

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.68 m
3	STABS	3.68 m
1	SD	7.54 m
1	STABS	3.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
5	Stands DP	m
5	Singles DP	1562.55
	Kelly Down	10.66 m
	Total	1769 m

Force of String 63.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1055	1050	1040
Viscosity s/L	73	70	58	55
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5300	5200	5300	5200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 Kg

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY 5; MAY 5; MAY 5

Remarks: WATER LOSS FOR 30 minutes = 30.5 cc; 2:45 gallon/UNIVERSAL 50

SURVEYS: Depth m 1761 ° 46.0; Depth m °

Check shuff off MOTOR (OK)

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
1769	1789	20

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	J33	2.9.5 1-8.7	71145	15000	65	131	48.75			110	DR	LG	

Drilling Assembly (At End of Tour)

No.		
	Bit SR3	1.68 m
3	STABS	3.68 m
1	S.D	7.54 m
1	JABS	3.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
5	Stands DP	1581.34 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	1789.31 m

Force of String 64.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1070	1065	1070	1065
Viscosity s/L	83	74	90	74
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6100	5600	5400
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives In kg: BCL = 12 SACS; CAUSTIC = 50 kg; KCL = 8 SACS; POLYMER = 1 PAIL; INHIBITOR = 1 PAIL; FLR-100-E 25 kg

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY 5; MAY 5; MAY 5

Remarks

SURVEYS: Depth m 1789 ° 5; Depth m °

PUMP IDEAL 60 STROKE 2100 KPA

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150		RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Jacques

From	To	Metres
1789	1813	24

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	J33	2.9.5 1-8.7	71145	14000	65	155	56.50			100	DRLG		

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.68 m
3	STABS	3.68 m
1	SD	7.54 m
1	JABS	3.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
57	Stands DP	1609.74 m
	Singles DP	m
	Kelly Down	7.49 m
	Total	1813.00 m

Force of String 64.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1065	1060	1060	1060
Viscosity s/L	72	70	65	73
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5200	5200	5200	5200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 8 SKS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAY 5; "; "

Remarks: VISCHEM 1 GALL

WATER LOSS 25 CC 30 minutes
CLEAN + DUMP + TANK 3 + 4 + 5

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature

Start	Stop	Intvl	Activity
0600	4:50	4:50	DRILL 216 MM HOLE
4:50	5:00	50	SURVEY RIG SERVICE
5:00	8:00	3:00	DRILL
			TOTAL 8
8:00	11:50	3:50	DRILL 216 MM HOLE
11:50	12:00	:50	ORIENT MISS RUN
12:00	3:25	3:25	DRILL
3:25	3:75	:50	ORIENT
3:75	4:00	:25	SERVEY
K:00	K:25	:25	SURVEY. RIG SERV
K:25	2400	7:35	DRILL 216 MM HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. Bédard	8
Derrick L. TORRIFF	8
Motor R. TREPANIER	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller M. JACQUES	8
Derrick V. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease	
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TARDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 Top Full
Fuel Rec'd Today Bottom 1 m
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jm Tessier

Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11667

Rig No. 6 | Well Name: Soquip - PÉTRO-FINA BAIE DE GASPÉ NORD I | Location: GASPÉ NORD I | Report Number 47

Pump No. 1 ▶ NATIONAL 8P80 — Liner Size mm 127 — Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 — Liner Size mm 140 — Stroke Length mm 406

From	To	Metres
1685	1703	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1 P30	216	533	2-9.5 1-8.7	71145	12.000	65	45	18.75			100		DR	L6
IN 1658														

Drilling Assembly (At End of Tour)

No.		
1	BSR3	1.63 m
3	STABS	3.68 m
1	SO	7.54 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DP	167.95 m
	Singles DC	m
53	Stands DP	1496.85 m
	Singles DP	m
	Kelly Down	10.38 m
	Total	1703 m

Force of String 62.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1055
Viscosity s/L	75	80	65	62
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5700	5600	5600	5700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SACKS; GEL; CAUSTIC; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8 MAY 5; 2 8 MAY 5; 3 8 MAY 5; 4; 5; 6

Remarks: check fire extinguisher (OK); WATER-LOSS 7m8 = 30 minutes

SURVEYS

Depth m	°	Depth m	°
1685	3¾		
1695	3¾		

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	Operation
00:00	5:0	.50	Survey Rig service
5:50	4:50	4.00	DRILL 216mm HOLE
4:50	5:00	.50	SURVEY Rig service
5:00	8:00	3.00	DRILL

Date: Year 81 Month 4 Day 22 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	R. TREPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1703	1724	21

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1 P30	216	533	9.9.5	71145	12.000 14.000	65	66	27.00			110		DR	L6

Drilling Assembly (At End of Tour)

No.		
	BSR3	1.63 m
	3 STABS	3.68 m
1	SO	7.54 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
54	Stands DP	1525.73 m
	Singles DP	m
	Kelly Down	3.10 m
	Total	1724.00 m

Force of String 63,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1065	1070	1070	1060
Viscosity s/L	75	74	72	84
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	5200	5300	5000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC - 50 kg; FLR-100-E = 25 kg; GEL = 13 SACS

Desilter / Desander: Hours Operated HRS; U.F. Density kg/m³ 1170; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 MAY 5; 2 8 MAY 5; 3 8 MAY 5; 4; 5; 6

Remarks: INHIBITOR 1 GAL; PUMP IDEAL 60 STROKE KRA

SURVEYS

Depth m	°	Depth m	°
1714	4½		
1698-N80E	4		

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	CLEAR.	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Bourque

Time Start	Stop	Intvl	Operation
	11:00	11:75	3.75
11:75	12:25	.50	SERVEY Rig service
12:25	12:50	.50	~~DRILL~~ ORIENT
12:50	16:00	3.50	DRILL

TOUR ② 08:00 - 16:00

		Hrs.
Driller	M. JACQUES	8
Derrick	Y. CARON	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	L. ASSELIN	8
Lease	L. BERGEVIN	8
Mechanic	C. BLANCHETTE	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1724	1747	23

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1 P30	216	533	9.9.5 9.8.7	71145	14000	65	89	34.50			125		DR	L6

Drilling Assembly (At End of Tour)

No.		
1	Bit BSR3	1.63 m
3	STABS	3.68 m
1	S.O.	7.54 m
1	JARS	5.31 m
1	MONEL	8.89 m
1	X.O.	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
54	Stands DP	1543.80 m
2	Singles DP	m
	Kelly Down	7.43 m
	Total	1747.00

Force of String 63.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1060	1045	1040
Viscosity s/L	70	65	63	73
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5500	5500		5500
Press kPa Pump 2	0		5500	
S.P.M. Pump 1	120	120		120
S.P.M. Pump 2			50	

Additives in kg: KCL 15 SKS; CAUSTIC 25 KG; GEL 15 SKS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 MAY 4.5; 2 8 " " ; 3 8 " "; 4; 5; 6

Remarks: WATER LOSS 25 cc 30 minutes; CLEAN + DUMP SHAKER BOX; CLEAN + DUMP SHAKER 1 + 2; 45 GALLS GIRAN 220 SP

SURVEYS

Depth m	°	Depth m	°
1733	4½		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✗ No | Driller's Signature J. Belanger

Time Start	Stop	Intvl	Operation
11:00	18:50	7.50	DRILL 216 M.M. HOLE
18:50	19:00	.50	SURVEY RIG SERVICE
19:00	24:00	5.00	DRILL

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: R. Bédard
Subject: B.O.P CONTROLS
STABING VALVE and manual
Given By:
Subject

BOPS	Tested Minutes	Tested PressureKPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG; To K.B.Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 TOP FULL; Fuel Rec'd Today BOTTOM 1M3; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Denis Tessier

Approved by Toolpush: Roy Lunn

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D.mm | No. | O.D.mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11666

Rig No. 6 | Well Name: Soquip - PÉTRO-FINA - BAIE DE GASPÉ NORD I | Location: GASPÉ NORD I | Report Number 46

Pump No. 1 ▶ NATIONAL 8P80 — Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 — Type | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1650	1658	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
R29	216	F3	2-9.5 1-8.7	B56378	10,000	65	145	85				T	7	6mm

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	SD	7.54	m
1	SARS	5.31	m
1	X.O	0.77	m
1	MONEL	8.89	m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
53	Stands DP	1468.42	
	Singles DP		m
	Kelly Down	2.73	m
	Total	1658	m

Force of String 59.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1040		
Viscosity s/L	70	66		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	5700	5700		
Press kPa Pump 2				
S.P.M. Pump 1	120	120		
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 Kg; INHIBITOR 1GAL

Desilter / Desander: Hours Operated 4; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April 24; 2 April 24; 3 April 24

Remarks: check BLIND RAM and pipe RAM (OK)

SURVEYS

Depth m	°	Depth m	°
1658	3½		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	Clear	Good

Start	Time Stop	Intvl	Report Number 46
00:00	3:50	3:50	DRILL 216 MM HOLE
3:50	4:00	50	Survey Rig service
4:00	6:50	2.50	pull out HOLE
6:50	:	•	change bits pick monel
:	7:00	50	change ROLLERS on SR3
7:00	8:00	1.00	Run COLLARS and pipe
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
1658	1669	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	S33	2-9.5 1-8.7	71145	10000	65	11	5.25			110	DR	8	

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	SD	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
1	MONEL	8.89	m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
53	Stands DP	1468.42	
	Singles DP		m
	Kelly Down	4.81	m
	Total	1669.00	m

Force of String 62,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³		1040	1050	1055
Viscosity s/L		89	72	64
Filtrate cm³				
pH		11.5	11.5	11.5
Press kPa Pump 1		5500	5700	5600
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: KCL = 10 SACS; POLYMER = 1 Pail; FLR-100-F = 1; CAUSTIC = 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 7 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1035; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 APRIL; 2 APRIL; 3 APRIL

Remarks: WATER LOSS 25 = 30 minutes

SURVEYS

Depth m	°	Depth m	°
1666	3¾		

Crown Stopper Checked ? OKAY | Reset ? OKAY | Kelly Cock Checked ? OKAY | Rig Savers Checked ? OKAY

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	16	4119	257676	0	0	7150	1399	Clear	Good

Start	Time Stop	Intvl	Report Number 46
8:00	8:75	75	Run IN HOLE
8:75	:	•	BREAK FOR circulate Ream
:	9:25	50	4 METRES
9:25	9:75	50	DRILL 216 mm HOLE.
9:75	10:25	50	ORIENT
10:25	14:00	3.75	DRILL
14:00	14:50	50	ORIEN
14:50	15:00	50	SERVEY Rig service
15:00	16:00	1:00	DRILL
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Dupuis

From	To	Metres
1669	1685	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
30	216	S33	2-9.5 1-8.7	71145	10000 12,000	65	27	11.75			100	DA	L	G

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	SD.	7.54	m
1	JARS	5.31	m
1	X.O.	8.77	m
1	MONEL	8.89	m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
53	Stands DP		m
1	Singles DP	1477.76	m
	Kelly Down	12.20	m
	Total	1685.73	m

Force of String 62.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040	1050	1050
Viscosity s/L	64	85	83	72
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5600	5600	5600	5600
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 105 x 5; GEL 95 x 5

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 M 4/5; 2 " "; 3 " "

Remarks: VISCHEM 1GAL; WATER LOSS 27 cc + 30 Minutes; SCAVENGER 45 gallons

SURVEYS

Depth m	°	Depth m	°
1675	3¾		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4119	257676	0	0	7150	1399	Cloudy	Good

Start	Time Stop	Intvl	Report Number 46
16:00	20:50	4:00	DRILL 216 MM HOLE
20:00	20:50	50	SURVEY. RIG SERVICE
20:50	24:00	3:50	DRILL
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	
:	:	•	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J. Belanger

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today BOTTOM: 1M 60 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Jean Tessier

Approved by Toolpush: Roy Smith

Date: Year 81 Month 4 Day 21 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉDARD.	8
Derrick L. TURRIFF	8
Motor R. TRÉPANIER	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease L. BERSEVIN	8
Mechanic C. BLANCHETTE.	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick S. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11665

Rig No. 6 | Well Name: Soquip-PÉTRO-FINA BAIE DE GASPÉ NORD I | Location: GASPÉ NORD I | Report Number 45

Pump No. 1: NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2: EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1611	1623	12

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q	7.54 m
1	JARS	5.31 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
5	Stands DP	m
7	Singles DP	1429.96 m
	Kelly Down	6.16 m
	Total	1623 m

Force of String 58.000 daN

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	10,000	65	110	67			160	DRL	G	
	IN 1513														

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	85	75	70	55
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5200	5000	5000	5300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 10 SACKS; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 April 24; 2 8 April 24; 3 8 April 24; 4; 5; 6

Remarks: ~~WATER LOSS~~ 45 GALLONS [redacted] P 80-90-W

SURVEYS Depth m	°	Depth m	°
1619	30		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	clear	GOOD

Time Start	Stop	Intvl	Report
00:00	5:25	5:25	DRILL 216MM HOLE
5:25	5:75	:50	Survey Rig Service
5:75	8:00	2:25	DRILL
	TOTAL:	8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
1623	1637	14

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q	7.54 m
1	JARS	5.31 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
5	Stands DP	1439.68 m
	Singles DP	m
	Kelly Down	10.44 m
	Total	1637.00 m

Force of String 59,000 daN

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	10,000	65	127	74.50			120	DR	LG	

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	1050	1050	1050
Viscosity s/L	75	70	67	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	5300	4900	5300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC = 50 kg; FLR-100-E = 25 kg; INHIBITOR = 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1115; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 APRIL 24; 2 8 APRIL 24; 3 8 APRIL 24; 4; 5; 6

Remarks: WATER LOSS = 30 minutes = 27
Acreage Block 6 Crown

SURVEYS Depth m	°	Depth m	°
1629	3/4		

Crown Stopper Checked ? OKAY | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	SUNNY	GOOD

Time Start	Stop	Intvl	Report
8:00	11:50	3:50	DRILL 216 mm. HOLE.
11:50	12:00	:50	SERVEY Rig services
12:00	16:00	4:00	DRILL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Jacques

From	To	Metres
1637	1650	13

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q	7.54 m
1	JARS	5.31 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
5	Stands DP	m
7	Singles DP	1458.95 m
	Kelly Down	4.17 m
	Total	1650 m

Force of String 59.000 daN

Bits	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	10,000	65	137	81.50			120	DRL	G	

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	65	70	75	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5100	5300	5300	5300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 16 SKS; VICCHEM 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa 12

Motor Hours: 1 8 APRIL 24; 2 8 APRIL 24; 3 8 APRIL 24; 4; 5; 6

Remarks: WATER LOSS = 22 66 + 30 minutes

SURVEYS Depth m	°	Depth m	°
1638	3/4		
1648	3/4		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	CLOUDY	GOOD

Time Start	Stop	Intvl	Report
16:00	17:35	1:35	DRILL 216 m.m. HOLE
17:35	17:75	:50	SURVEY · RIG SERV
17:75	23:50	4:75	DRILL
23:50	23:00	:50	SURVEY
23:00	24:00	1:00	DRILL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature M. Belanger

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 Top: Full; Fuel Rec'd Today Bottom 1 m.; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Date: Year 81 Month 4 Day 20 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor R. TREPANIER	8
Floor P. TOUSIGNANT	8
Floor C. BERUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11664

Rig No. 6 | Well Name Soquip - pétro-fina BAIE de GASPÉ NORD #I | Location GASPE NORD I | Report Number 44

Date: Year 81 Month 4 Day 19 | Rig No. 6

Pump No. 1 ▶ NATIONAL Type 8P80 Liner Size mm 127 Stroke Length mm 216 | Pump No. 2 ▶ EMSCO D700 Type Liner Size mm 140 Stroke Length mm 406

From	To	Metres
1577	1588	11

Drilling Assembly (At End of Tour)

No.			
1	Bit R3	1.63	m
3	STABS	3.68	m
1	S.Q	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
49	Stands DP		m
3	Singles DP	1392.19	m
	Kelly Down	8.93	m
	Total	1588	m

Force of String 57.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	8000	65	75	45.25			100		DRL	G
	IN 1513														

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	70	80	80	76
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5500	5500	5200	5100
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 15 SACKS; CAUSTIC —

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change April 24

Remarks: CHANGED OIL + SCREEN IN TRIPLEX

SURVEYS	Depth m	°	Depth m	°
	1581	3°		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	SNOW	GOOD

Time	Start	Stop	Intvl
DRILL 216mm	0000	2:25	2:25
Survey Rig Service	2:25	2:75	.50
DRILL	2:75	8:00	5:25
TOTAL			8

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TORRIFF	8
Motor R. TRÉPANIER	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1588	1600	12

Drilling Assembly (At End of Tour)

No.			
	BR3	1.63	m
	STABS	3.68	m
1	S.Q	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
49	Stands DP		m
3	Singles DP	1401.33	m
	Kelly Down	11.79	m
	Total	1600.00	m

Force of String 57.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	8000	65	87	52.50			110		DRL	G

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1045	1055	1050	1065
Viscosity s/L	70	74	85	98
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5000	5500	6500	6700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC = 50 kg; POLYMER = 1 Pail; KCL = 10 SACKS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1105; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change APRIL 24; APRIL 24; APRIL 24

Remarks: INHIBITOR = 1 GAL

SURVEYS	Depth m	°	Depth m	°
	1591	3°		

Crown Stopper Checked ? OKAY | Reset ? OKAY | Kelly Cock Checked ? OKAY | Rig Savers Checked ? OKAY

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	SNOW	GOOD

Time	Start	Stop	Intvl
DRILL 216 mm. HOLE	8:00	10:50	2:50
SERVEY Rig service on Connection	10:50	11:25	.75
DRILL	11:25	16:75	16:00

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Morency

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

TOUR ② 08:00 - 16:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1600	1611	11

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	S.Q.	7.54	m
1	JARS	5.31	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
50	Stands DP		m
7	Singles DP	1420.75	m
	Kelly Down	8.87	m
	Total	1611.00	m

Force of String 58.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR29	216	F3	2-9.5 1-8.7	BJ6378	10000	65	98	59.50			125		DRL	G

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1045	1045	1045	1045
Viscosity s/L	68	66	75	73
Filtrate cm³	11.5	F		
pH	↓	11.5	11.5	11.5
Press kPa Pump 1	6000	5500	5500	5500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SKS; GEL 10 SKS; PAC 100 1 SKS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change APRIL 24; " " "

Remarks: VISCHEM 1 GAL; B.O.P.S. DRILL; 45 GAL. SCAVENGER; WATER LOSS 29 cc 30 minute

SURVEYS	Depth m	°	Depth m	°
	1600	3¼		
	1609	3		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	CLOUDY	GOOD

Time	Start	Stop	Intvl
DRILL 216 M.M. HOLE	16:00	16:50	.50
SURVEY. RIG SERVICE	16:50	17:00	.50
DRILL	17:00	22:75	5.75
SURVEY. CHANGE-SAVERSUB	22:75	23:25	.50
DRILL	23:25	24:00	.75

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J.M. Belanger

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested		Checked
	Minutes	Pressure kPa	Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 Top Full; Bottom 1.07 m | Fuel Rec'd Today | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: M. Tessier

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11663

Rig No. #6 | Well Name SOQUIP PetroFina Baie De Gaspe North #1 | Location Gaspe North #1 | Report Number 43

Pump No. 1 ▶ National 8P80 — Liner Size mm 127 — Stroke Length mm 216
Pump No. 2 ▶ Emsco D-700 — Liner Size mm 140 — Stroke Length mm 406

Date: Year 81 Month 04 Day 18 — Rig No. #6

Time Start	Time Stop	Intvl	Activity
04:00	05:25	1:25	Drill 216mm Hole
05:25	05:75	0:50	Survey
05:75	8:00	2:25	Drill 216mm Hole

Bit Record

No.	Bit	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1	RR29	216	F3	9.5 / 8.7	BJ6378	8000	65	43	30.75						

From	To	Metres
1543	1556	13

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	SQ	7.54 m
1	JARS	5.31 m
1	XO	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
40	Stands DP	1363.72 m
1	Singles DP	m
	Kelly Down	5.20 m
	Total	1556 m

Force of String 56,000 daN

MUD

	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	65	65	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5200	5000	5000	5500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 20 Sal sxs

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April 24; 11-11; 11-11

Remarks: 1 SCALE INHIBITOR 75; 45 Gallons Scavenger; WATER LOSS 25 ml LITRE 30 minute

SURVEYS: Depth m 1543 m 2½ °

Crown Stopper Checked ? ✓ Reset ? ✓ Kelly Cock Checked ? ✓ Rig Savers Checked ? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 257676 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1399 | Weather OVER CAST | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hrs.

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1556	1566	10

Bit Record

No.	Bit	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1	RR29	216	F3	9.5 / 8.7	BJ6378	8000	65	53	30.25			120		DRL	6

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	SQ	7.54 m
1	JARS	5.31 m
1	XO	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
40	Stands DP	1377.34 m
1	Singles DP	m
	Kelly Down	5.73 m
	Total	1566 m

Force of String 56,000 daN

MUD

	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1150	1050
Viscosity s/L	70	74	67	67
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5400	5600	5600	5600
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL —; KCL 15 SACKS; CAUSTIC 50 Kg; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: april 24; april 24; april 24

Remarks: TRIPLEX; CHECK PUMP HALF speed 60 SPM = 2400KPA; CHECK KELLY COCK OK!; 45 GALLONS OF GIRAN 220 E.P.

SURVEYS: Depth m 1563 3° °

Crown Stopper Checked ? ✓ Reset ? ✓ Kelly Cock Checked ? ✓ Rig Savers Checked ? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 257676 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1399 | Weather RAIN | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Time Stop	Intvl	Activity
8:00	13:25	5:25	DRILL 216MM HOLE
13:25	13:75	50	survey Rig service
13:75	16:00	2:25	DRILL
	total	8	

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

TOUR ② 08:00 - 16:00 — Hrs.

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	R. TRÉPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérube	8
Lease	L. BERGEVIN	8
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1566	1577	11

Bit Record

No.	Bit	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1	RR29	216	F3	9.5 / 8.7	BJ6378	8000	65	64	37.75			110		DRL	0

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q.	7.54 m
1	JARS	5.31 m
1	X.O.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
40	Stands DP	1382.84 m
	Singles DP	m
	Kelly Down	7.28 m
	Total	1577.00 m

Force of String 57,000 daN

MUD

	16:00	18:00	20:00	22:00
Density kg/m³	1060	1055	1060	1060
Viscosity s/L	63	64	66	64
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5400	5300	5400	5200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL = 15 SXS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1095; O.F. Density kg/m³ 1055; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: APRIL 24; APRIL 24; APRIL 24

Remarks: VIS CHEM = 1 GAL

SURVEYS: Depth m 1572 3° °

Crown Stopper Checked ? ✓ Reset ? ✓ Kelly Cock Checked ? ✓ Rig Savers Checked ? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 257676 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1399 | Weather Rain | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. — | BOP Drill Yes — No | Driller's Signature Marcel Jacques

Time Start	Time Stop	Intvl	Activity
16:00	19:75	3:75	DRILL 216 mm HOLE
19:75	20:25	:50	SERVEY Rig SERVICE
20:25	24:00	3:75	DRILL

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: R. BEDARD

Subject: B.O.P. DRILL, CONTROLS ON DRAWWORKS, STABBING VALVE

Given By:

Subject

TOUR ③ 16:00 - 24:00 — Hrs.

		Hrs.
Driller	M. JACQUES	8
Derrick	Y. CARON	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	L. ASSELIN	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	Fuel @ 00:00 TOP Full
To	K.B. Used	Sx	Fuel Rec'd Today Bottom 1.5 cm
	Cem Plus	%	Total
	Plug Down @	hrs	Fuel @ 23:59
	m³ Returns		Fuel Used

Equipment Transfers (Including Rental): To / From — Trans #

Approved by Operator's Representative: Yves Tessier

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Prem. m	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11662

Rig No. #6 | Well Name SOQUIP - Petro Fina Baie De Gaspe North #1 | Location Gaspe North #1 | Report Number 42

Pump No. 1 National 8P5 | Liner Size mm 127 | Stroke Length mm 216 | Pump No. 2 Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1513	1513	0

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
BITS 1	RR29 216	F3	2-2.5	BJ 6378	8000	65						5	3	1/16

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
3	S STABS	3.68	m
1	SQ	7.54	m
1	JARS	5.31	m
1	XO	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
44	Stands DP	1316.87	m
	Singles DP		m
	Kelly Down	9.40	m
	Total	1513	m

Force of String 61,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				1050
Viscosity s/L				75
Filtrate cm³				
pH				11.5
Press kPa Pump 1	TRIP			5500
Press kPa Pump 2				
S.P.M. Pump 1			120	
S.P.M. Pump 2				

Additives in kg: 24 MI WATER LOSS 30 minutes

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	April 24
2 8	April 24
3 8	April 24
4	
5	
6	

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads
	32	10	0	257676	15m	15m	7150	Clear	Good

Time Stop	Intvl	
1:00	1:00	Trip out
1:00		lay down Dyna Drill &
:	1:25	0.25 Menel
1:25	2:25	1.00 Run in with SQUARE & STABS
2:25	3:25	1.00 Cut & Slip line.
3:25	4:50	1.25 Run in Hole & Break circulation
4:50	:	Ream 32m From 1481m
:	7:30	3.00 to 1513m
7:95	8:00	0.25 Drill 216mm hole

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

From	To	Metres
1513	1529	16

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
BITS 1	RR29 216	F3	2-9.5 1-8.7	BJ 6378	8000	65	16	7.25			120		DRLG	

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	SQ	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
44	Stands DP		m
3	Singles DP	133.33	m
	Kelly Down	6.79	m
	Total	1529	m

Force of String 55000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	85	75	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5800	6000	6200	6000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 18 SACKS; KCL —; POLYMER —; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours	Next Oil Change
1 8	April 24
2 8	April 24
3 8	April 24
4	
5	
6	

SURVEYS: Depth m 1524 24 ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	Clear	GOOD

Time Stop	Intvl	
8:00	12:45	4.75 DRILL 216mm HOLE
12:45	13:00	25 Survey break line
13:00	13:50	50 DRILL
13:50	14:00	1.00 Survey
14:00	16:00	2.00 DRILL
	TOTAL	8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bedard

From	To	Metres
1529	1543	14

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
BITS 1	RR29 216	F3	2-9.5 1-8.7	BJ 6378	9000	65	30	15.25			100	DR	40	

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	S.Q	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
44	Stands DP		m
3	Singles DP	134.82	m
	Kelly Down	11.30	m
	Total	1543.00	m

Force of String 55000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1055	1060	1050
Viscosity s/L	68	62	63	66
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5600	5300	5000	5000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL = 10 SACS; FLR-100-F = 25 kg; VISCHEM = 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1125; O.F. Density kg/m³ 1032; Flow Rate L/min 12L; Pressure kPa

Motor Hours	Next Oil Change
1 8	APRIL 24
2 8	APRIL 24
3 8	APRIL 24
4	
5	
6	

Remarks: WATER LOSS = 29 = 30 minutes

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	257676	0	0	7150	1399	CLEAR	GOOD

Time Stop	Intvl	
16:00	24:00	8.00 DRILL 216 mm HOLE
:	:	Rig service on Connection

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Jacques

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today Bottom 1.80CM
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jim Tessier
Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Date: Year 81 Month 04 Day 17 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim T. Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor R. TRÉPANIER	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease L. Bergevin	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11661

Rig No. #6 | Well Name SOQUIP - Petro Fina Baie De Gaspe North #1

Date: Year 81 Month 4 Day 16 | Rig No. #6

Pump No. 1: National 8P80 | Liner Size mm: 127 216 | Stroke Length mm | Pump No. 2: Emsco D-700 | Liner Size mm: 140-406 | Stroke Length mm | Location | Report Number 41

Start	Stop	Intvl	Description
24:00	:	:	Run in Hole, Fill pipe 35 stands in, Run to Bottom
:	1:25	1:25	Drill 216mm Hole
1:25	2:75	1:50	Orient
2:75	3:25	0:50	Drill 216mm Hole
3:25	8:00	4:75	

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

Run 1

From	To	Metres
1481	1490	9

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.63 m
3	STORS	3.68 m
1	SQ	7.34 m
1	TORS	5.31 m
1	XO	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
43	Stands DP	1392.08 m
1	Singles DP	m
	Kelly Down	10.68 m
	Total	1490 m

Force of String 50,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
28	216	F3	—	BH3787	4000		9	6.25						

MUD	00:00	02:00	04:00	06:00
Density kg/m³		1050	1050	
Viscosity s/L		80	75	
Filtrate cm³				
pH		11.5	11.5	
Press kPa Pump 1		3500	3500	
Press kPa Pump 2				
S.P.M. Pump 1		145	145	
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 20 KCL SACKS; 1 gal VISCHEM

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 24; " -24; -24

Remarks: 45 gals GIRAN 220 EP; WATER LOSS 25 ml PER 30 MIN

Surveys: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6561	249394	0	0	7150	1414	Clear	Good

Run 2

From	To	Metres
1490	1501	11

No.	Drilling Assembly (At End of Tour)	
1	DYNAD	5.98 m
	Kicksub	.31 m
	OX	.42 m
	Bitsub	.67 m
	MONEL	8.89 m
1	SARS	5.31 m
1	X.O	.77 m
		m
8	Stands DC	m
1	Singles DC	64.89 m
49	Stands DP	m
2	Singles DP	1401.55
	Kelly Down	12.20
	Total	1500.99

Force of String 50,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
28	216	F3	—	BH3787	4000		20	13.75					OR	LE

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1130	1030	1040	1040
Viscosity s/L	60	60	55	72
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3180	3180	3180	3600
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: KCL 20 SACKS; GEL —; CAUSTIC —; POLYMER —; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 7; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 24

Remarks

Surveys: Depth m | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6561	249394	0	0	7150	1414	Clear	Good

Run 3

From	To	Metres
1501	1513	11

No.	Drilling Assembly (At End of Tour)	
1	DYNAD	5.98 m
1	Kicksub	.31 m
1	X.O.	.42 m
1	Bitsub	.67 m
1	MONEL	8.89 m
1	JAR	5.31 m
1	X O	0.77 m
		m
2	Stands DC	m
1	Singles DC	64.89 m
50	Stands DP	1420.28 m
	Singles DP	m
	Kelly Down	5.58 m
	Total	1513.00

Force of String 50,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
28	216	F3	—	BH3787	4000	—	31	19.50			—			

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1060	1050	1060
Viscosity s/L	74	66	63	62
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3400	3400	3300	3400
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: CAUTIC = 50 kg; FLR-100-E = 2.5 kg; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 6 1/2 HRS; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1055; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: APRIL 24; APRIL 24; APRIL 24

Remarks: WATER LOSS = 21 = 30 minute

Surveys: Depth m | Depth m

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	8282	249394	0	0	7150	1414	CLEAR	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Start	Stop	Intvl	Description
8:00	9:50	1.50	DRILL 216 mm HOLE
9:50	10:00	.50	ORIENT
10:00	16:00	6:00	DRILL
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	TOTAL	8	

TOUR 2 08:00 - 16:00

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	R. TREPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease	L. Bourgouin	8
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Start	Stop	Intvl	Description
16:00	16:50	.50	ORIENT
16:50	21:25	4.75	DRILL 216 mm HOLE
21:25	21:75	.50	ORIENT
21:75	22:75	1.00	DRILL
22:75	24:00	1.25	PULL out HOLE
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	TOTAL	8.00	

TOUR 3 16:00 - 24:00

		Hrs.
Driller	M. JACQUES	8
Derrick	Y. CARON	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	L. ASSELIN	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested: Minutes	Pressure kPa	Checked: Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FUEL | Fuel Rec'd Today Bottom 1.40 CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Mm Tessier

Approved by Toolpush: Raymond Bérubé

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11660

Rig No. #6 | Well Name SOQUIP- Petro Fina Baie De Gaspe North #1

Pump No. 1 ▶ National 3P80 | Type | Liner Size mm | Stroke Length mm | Pump No. 2 ▶ | Type | Liner Size mm | Stroke Length mm | Location | Report Number

Date: Year 81 Month 4 Day 15 | Rig No. #6

From	To	Metres
1463	1465	2

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
26	216	355	—	100075	4,000		2	2.50				3	5	1n
27	216	F3	2-8.5	BF0040										

In at 1465m

Drilling Assembly (At End of Tour)

No.			
1	BIT SR3	1.63	m
3	STABS	3.68	m
1	SG	7.54	m
1	JARS	5.39	m
1	XO	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
45	Stands DP	1270.45	m
	Singles DP		m
	Kelly Down	7.79	m
	Total	1465	m

Force of String 53000 daN

MUD	00:00	02:00	04.00	06:00
Density kg/m³	1040			
Viscosity s/L	65			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	3200			
Press kPa Pump 2				
S.P.M. Pump 1	140			
S.P.M. Pump 2				

TRIP

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April-24; " -24; " -24

Remarks: 45 GAL. GIRAN 220EP

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4928	249394	0	0	7150	1414		Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Terry Turriff

Time Start	Stop	Intvl	
24:00	0:50	0:50	Orient
0:50	3:00	2:50	Drill 216mm Hole
3:00	5:25	2:25	Trip Out
5:25	:	:	Lay down Dyna Drill & Monel
:	:	:	PICK UP S.Q. x STAB
:	7:50	2:25	RUN IN
7:50	8:00	:50	REAM TO BOTTOM
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
TOTAL:		8:00	

From	To	Metres
1465	1473	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
27	216	F3	2-9.5 1-8.7	BF0040	8000 10000	65	8	8.75			100		DR	6

Drilling Assembly (At End of Tour)

No.			
	BIT SR3	1.63	m
	STABS	3.68	m
1	SG	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
45	Stands DP		m
5	Singles DP	1279.65	
	Kelly Down	6.59	m
	Total	1473	m

Force of String 53000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³		1050	1050	1050
Viscosity s/L		60	90	120
Filtrate cm³				
pH		11.5	11.5	11.5
Press kPa Pump 1		7200	6800	5700
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

RP MUD

Additives in kg: CAUSTIC 50 kg; KCL; GEL 18 SACKS; POLYMER 25 Kg

Desilter / Desander: Hours Operated 7; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April-24

Remarks: 55 GALLONS OF OXYGEN SCAVENGER DUMPED & CLEANED TANKS 1+2

SURVEYS: Depth m 1469 ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4928	249394	0	0	7150	14	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bedard

Time Start	Stop	Intvl	
8:00	8:75	:75	finish Ream
8:75	12:00	3:50	DRILL 216MM HOLE
12:25	13:25	1:00	~~Re~~survey misrun under one
13:25	16:00	2:75	DRILL
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
TOTAL:		8.	

From	To	Metres
1473	1481	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
27	216	F3	2-9.5 1-8.7	BF0040	10000	65	10000	12.50			60	2	1	1
58	216	F3	—	BH3B7										

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	S.G	7.54	m
1	JARS	5.31	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
45	Stands DP		m
2	Singles DP	1289.10	m
	Kelly Down	5.14	m
	Total	1481	m

Force of String 54000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1050	1060	
Viscosity s/L	98	72	61	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	5600	5500	5300	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: VISCHEM 1 GAL

Desilter / Desander: Hours Operated 5 HRS; U.F. Density kg/m³ 1095; O.F. Density kg/m³ 1060; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: APRIL 24; APRIL 24; APRIL 24

Remarks

SURVEYS: Depth m 1478 4½ ° | Depth m

Crown Stopper Checked ? ok | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6561	249394	0	0	7150	7150	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. — | BOP Drill Yes No | Driller's Signature Marcel Jacques

Time Start	Stop	Intvl	
16:00	18:75	2:75	DRILL 216 mm HOLE
18:75	19:25	:50	Servey Rig SERVICE
19:25	20:25	1:00	DRILL
20:25	23:25	3:00	PULL out HOLE
23:25	:	:	Change Bit PICK UP DAMY
:	23:25	1:00	DRILL RUN COLLARD
23:25	24:00	:75	RUN IN HOLE
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor R. TREPANIER	8
Floor P. TOUSIGNANT	8
Floor C. Bérube	8
Lease L. Bergeron	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
To	K.B.Used		Sx
	Cem Plus		%
	Plug Down @		hrs
	m³ Returns		

Fuel @ 00:00
Fuel Rec'd Today
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)
To / From | Trans #

Approved by Operator's Representative: Alain Bourassa
Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11659

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie de Gaspe North #1 | Location Gaspe North #1 | Report Number 39

Date: Year 81 Month 4 Day 14 | Rig No. #6

Pump No. 1: National 8P80 | Liner Size mm 187 | Stroke Length mm 216
Pump No. 2: Ideco D-700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1448	1460	12

No.	Drilling Assembly (At End of Tour)	
1	SR3	1.63 m
3	STABS	9.68 m
1	SG	7.54 m
1	STABS	5.19 m
1	XO	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
40	Stands DP	1261.04 m
2	Singles DP	m
	Kelly Down	12.20 m
	Total	1460.00 m

Force of String 62,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
24	216	S88	2-7.5 1-8.0	530940	8000	65	11	11.00				5	3	2mm

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1060	1060
Viscosity s/L	65	68	70	82
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5200	5300	5300	5500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 20 Sel 8X5; 1 Salem VISCHEM

Desilter / Desander: Hours Operated 8HRS; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 April 24; 2 8 11-24; 3 8 11-24

Remarks: WATER LOSS 30 minutes 18 ml

SURVEYS: Depth m 1450 4°; Depth m 1460 4°

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads
	32	10	0	249394	0	0	7150	1414	Clear Good

Start	Stop	Intvl	Time
24:00	0:35	0:35	Drill 216 mm Hole
0:35	1:25	0:50	Survey
1:25	7:00	5.75	Drill 216 mm Hole
7:00	7:50	0:50	Survey & Rig Service
7:50	8:00	0:50	Trip out
			Total 8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Jean Turriff

From	To	Metres
1460	1461	1

No.	Drilling Assembly (At End of Tour)	
	DYNADRILL	5.98 m
	KICK sub	.31 m
	X.O sub	.42 m
	C.B sub	.67 m
	MONEL	8.89 m
1	SARS	5.31 m
1	X.O	.77 m
2	Stands DC	m
1	Singles DC	64.89 m
40	Stands DP	m
9	Singles DP	1364.05 m
	Kelly Down	9.41 m
	Total	1461 m

Force of String 51,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
25	216	J44	0	66111	4000		1	2.50				~~5~~	~~3~~	~~2mm~~

MUD	08:00	10:00	12:00	14:00
Density kg/m³				1050
Viscosity s/L				85
Filtrate cm³				
pH				11.5
Press kPa Pump 1				3200
Press kPa Pump 2				
S.P.M. Pump 1				140
S.P.M. Pump 2				

Additives in kg: KCL 20 SACKS; POLYMER 25 Kg; CAUSTIC 50 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 3; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 April 24; 2 8 April 24; 3 8 April 24

TRIP

Remarks: GREASED CROWN

SURVEYS: Depth m °; Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1662	249394	0	0	7150	1414	Clear	GOOD

Start	Stop	Intvl	Time
8:00	:	:	pull out HOLE LAY DOWN
:	10:00	2:00	old JARS replace NEW JARS
10:00	:	:	pick DYNA DRILL KICK sub
:	:	:	monel. Run in FILL 20 stands
:	13:00	3:00	Rig pipe break circulation Ream
13:00	13:50	.50	Orient
13:50	16:00	2:50	DRILL 216MM HOLE
			TOTAL 8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

From	To	Metres
1461	1468	2

No.	Drilling Assembly (At End of Tour)	
1	Bit DYNAD	5.98 m
1	KCK sub	.31 m
1	X.O. sub	.42 m
1	Bit sub	.67 m
1	MONEL	8.89 m
1	JARS	5.31 m
1	X.O	.77 m
2	Stands DC	m
1	Singles DC	64.89 m
40	Stands DP	m
9	Singles DP	1364.05 m
	Kelly Down	13.20 m
	Total	1463.49 m

Force of String 51,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
25	216	J44	—	66111	5000	DAMAGE	3	5.00			—	8	3	1
26	216	J55	—	62075	4000		0	.25						

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1055	1050		
Viscosity s/L	72	62		
Filtrate cm³	31.0			
pH	11.5	11.5		
Press kPa Pump 1	3100	4500		
Press kPa Pump 2				
S.P.M. Pump 1	140	140		
S.P.M. Pump 2				

TRIP TRIP

Additives in kg: FLR-100-E = 25 kg; INHIBITOR = 1 GAL

Desilter / Desander: Hours Operated 2½ HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1050; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 APRIL 24; 2 8 APRIL 24; 3 8 APRIL 24

Remarks: WATER LOSS = 30 minutes = 21 ml

SURVEYS: Depth m °; Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3295	249394	0	0	7150	1414	CLEAR	GOOD

Start	Stop	Intvl	Time
16:00	18:50	2:50	DRILL 216 mm. HOLE
18:50	21:50	3:00	PULL out HOLE
20:50	21:50	1:00	Pick UP NEW DYNA DRILL Change Bit Rig Service
21:50	22:50	1:00	RUN IN HOLE
22:50	22:75	.25	BREAK CIRCULATE
22:75	23:75	1:00	RUN IN
23:75	24:00	.25	BREAK CIRCULATE
			TOTAL 8.00

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Jacques

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor R. TREPANIER	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease L. Bergeron	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor L. ASSELIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
To	K.B. Used		Sx
	Cem Plus		%
	Plug Down @		hrs
	m³ Returns		

Fuel @ 00:00 TOP Full
Fuel Rec'd Today Bottom 1.05CM
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Bourdeault

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11658

Rig No. #6 | Well Name SOQUIP Petro Fina Baie de Gaspe North #1

Pump No. 1 ▶ National 8P80 Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Emsco D-700 Type | Liner Size mm 140 | Stroke Length mm 406
Location GASPE NORD 1 # | Report Number 38

From	To	Metres
1432	1439	7

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
23	216	J33	—	71276	4000		19	15.25						

Drilling Assembly (At End of Tour)

No.		
1	Bit Sub	0.67 m
1	Dyna	5.98 m
1	Kicksub	0.31 m
1	XO	0.42 m
1	Monel	8.89 m
1	Jars	5.19 m
1	XO	0.77 m
		m
2	Stands DC	74.35 m
2	Singles DC	m
4	Stands DP	1336.62 m
1	Singles DP	m
	Kelly Down	3.75 m
	Total	1439 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1050	1050	1050
Viscosity s/L	60	70	80	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3500	3500	4000	4000
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: 20 KCL SXS; 21 Gel SXS; 50 KG CAUSTIC; VISCHEM 1.2.

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 24; April 24; April 24

Remarks: WATER LOSS 22 MILLILITRE 30 minute; 45 Gallon HUILE 220 lubricator; 45 gal. Hyro Flo 32

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Force of String 43000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip		Weather	Roads
32	10	6276	241324	0	0	7150	1429		Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Time Start	Stop	Intvl	Operation
2400	3 50	350	Drill 216mm Hole
350	4 00	050	Orient
400	8 00	400	Drill 216mm Hole
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
Total		8	

Date: Year 81 Month 4 Day 13 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1439	1443	4

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
23	216	533	9-9-9	71276	4000		21	19.50				8	4	4
12 24	216	S88	1-8-7	530942										

Drilling Assembly (At End of Tour)

No.		
	Bit Sub	0.67 m
	DYNA	5.98 m
1	Kicksub	0.31 m
1	X.O	0.42 m
1	MONEL	8.89 m
1	JARS	5.19 m
1	X.O	0.77 m
		m
2	Stands DC	m
2	Singles DC	74.35 m
	Stands DP	m
	Singles DP	m
	Kelly Down	10.00 m
	Total	1443 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	
Viscosity s/L	83	80	60	
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	3500	3500	3500	
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	
S.P.M. Pump 2				

Additives in kg: KCL 12; CAUSTIC —; GEL —; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 0; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 24; April 24; April 24

Remarks: change COROSION RINGS

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Force of String 47.00 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	8070	249394	14.5	14.5	7150			clear	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	Operation
800	1235	4.25	DRILL 216MM HOLE
1235	1275	50	ORIENT
1275	:	:	pull out HOLE LAYDOWN
:	14:75	2.00	DYNADRILL MONEL
14:75	:	:	pick 50 STABLIBATIONS
:	1530	75	Run COLLARS IN HOLE
1530	16:00	150	slip cut line
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
TOTAL		8	

TOUR ② 08:00 - 16:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor R. TREPANIER	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease L. BERGEVIN	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1443	1448	5

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
24	216	S88	7-8-9	530942	8000	65	4	4.00		3.25	150	DRLG		

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.63 m
3	STABS	3.68 m
1	S.Q	7.54 m
1	JARS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
4	Stands DP	m
5	Singles DP	1256.84 m
	Kelly Down	9.40 m
	Total	1448.00 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	[illegible]	1010	1030	1050
Viscosity s/L	[illegible]	72	64	63
Filtrate cm³	TRIP			
pH	[illegible]	11.5	11.5	11.5
Press kPa Pump 1	[illegible]	4500	5000	5000
Press kPa Pump 2	TRIP			
S.P.M. Pump 1	[illegible]	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC = 50 kg; FLR-140-E = 25 kg; INHITOR 1 GAL

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1035; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: APRIL 24; APRIL 24; APRIL 27

Remarks

SURVEYS: Depth m 1443 | 3 1/4 ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Force of String 62000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	0		249394	0	0	7150	144	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No | Driller's Signature Manuel Jacques

Time Start	Stop	Intvl	Operation
1600	17:35	1:35	RUN IN HOLE
17:35	:	:	BREAKE FOR CIRCULATION
:	19:50	2:25	REAM 21 METRES
19:50	20:00	:50	DRILL
20:00	20:50	:50	SERVEY
20:50	24:00	3:50	DRILL
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
TOTAL		8:00	

TOUR ③ 16:00 - 24:00	Hrs.
Driller M. JACQUES	8
Derrick Y. CARON	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor Luc ASSELIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 Top: Full | Fuel Rec'd Today Bottom: 125 cm | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental) To / From Trans #

Approved by Operator's Representative: Jean Bordeleau

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.
	114	E		2				

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11657

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie De Gaspe Nord No. 1

Pump No. 1 ▶ National 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406
Location | Report Number 37

Date: Year 81 Month 4 Day 12 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

From	To	Metres
1398	1415	17

No.	Drilling Assembly (At End of Tour)	
1	BSR3	1.63 m
3	STORS	3.68 m
1	SQ	7.54 m
1	JARS	5.19 m
1	XO	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
43	Stands DP	1223.48 m
1	Singles DP	m
	Kelly Down	4.76 m
	Total	1415 m

Force of String 56,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7 2-9.5	BJ1883	8,000	65	77	36.25						

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	85	80	70	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5300	5000	5100	5100
Press kPa Pump 2				
S.P.M Pump 1	120	120	120	120
S.P.M Pump 2				

Additives in kg: 50 KG CAUSTIC; 22 SACKS; VISCHEM 1 gal; FLR-100-E 25 kg

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 April-11; 2 8 April-11; 3 8 April-11; 4; 5; 6

Remarks: WATER-LOSS 30 minute 18 ml LITRE; 45 Gallons SCAVENGER

Survey Depth m		Depth m	
1403m	4½°		
1413m	4½°		

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4392	241324	0	0	7150	1429	Snow	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [signature]

Time Start	Stop	Intvl	Activity
24:00	2:25	2.25	Drill 216mm Hole
2:25	2:75	0.50	Survey
2:75	6:50	3.75	Drill 216mm Hole
6:50	7:00	0.50	Survey & Rig Service
7:00	8:00	1.00	Drill 216mm Hole
	Total	8	

TOUR ① 00:00 - 08:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1415	1422	7

No.	Drilling Assembly (At End of Tour)	
1	BSR3	5.98 m
	Kick sub	.31 m
1	X.O	.42 m
	B.Track	6.7 m
	MONEL	8.89 m
1	JARS	5.19 m
1	X.O	.77 m
2	Stands DC	m
2	Singles DC	74.35 m
17	Stands DP	m
	Singles DP	1317.80 m
	Kelly Down	4.62 m
	Total	1422 m

Force of String 47,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7 2.9.5	BJ1883	8000	65	83	38.75				6	3	2
23	216	J33	—	71276		IN	1421	1	.50					

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050			
Viscosity s/L	75			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	5100			
Press kPa Pump 2				
S.P.M Pump 1	120			
S.P.M Pump 2				

Additives in kg: CAUSTIC 50 Kg; KCL 20; GEL; POLYMER 25 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 3; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 April 11; 2 8 April 11; 3 8 April 11; 4; 5; 6

Remarks

Survey Depth m		Depth m	
1422	4½°		

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6276	241324	0	0	7150	1429	clear	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	Activity
8:00	10:50	2.50	DRILL 216mm HOLE
10:50	11:00	.50	Survey, Rig service
11:00	12:75	1.75	Drill 216 HOLE
12:75	:	.	pick DYNADRILL Kick sub
:	:	.	run in SLOWLY FILLPIPE
:	15:50	2.75	Break circulation Ream
15:50	16:00	.50	DRILL

TOUR ② 08:00 - 16:00

		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	R. TRÉPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease		
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1432	1432	10

No.	Drilling Assembly (At End of Tour)	
1	Bit SUB	.67 m
1	DAMY DRILL	5.98 m
	Kick sub	.31 m
1	X.O	.42 m
1	MONEL	8.89 m
1	JARS	5.19 m
1	X.O.	.77 m
2	Stands DC	m
2	Singles DC	74.35 m
17	Stands DP	m
2	Singles DP	1327.40 m
	Kelly Down	7.98 m
	Total	1432 m

Force of String 47,000 daN

Bits No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
23	216	J33	—	71276	5000	—	10	7.75			—	OR	L	R

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1025	1050	1060	1050
Viscosity s/L	75	80	84	76
Filtrate cm³		-	21.5	
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4200	3000	3200	3400
Press kPa Pump 2				
S.P.M Pump 1	140	140	140	140
S.P.M Pump 2				

Additives in kg: CAUSTIC = 50 Kg; KCL 20-SACS; FLR-100E = 25 kg

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1045; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 APRIL 11; 2 8 APRIL 11; 3 8 APRIL 11; 4; 5; 6

Remarks: INHIBITOR 1 gal

Survey Depth m		Depth m	

Crown Stopper Checked ✓ | Reset ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6276	241324	0	0	7150	1429	Sunny	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Marcel Jacques

Time Start	Stop	Intvl	Activity
16:00	16:25	.25	SERVEY Rig SERVICE
16:25	20:00	3.75	DRILL 216 mm HOLE.
20:00	20:50	.50	SERVEY
20:50	24:00	3.50	DRILL
	Total	8:00	

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	M. JACQUES.	8
Derrick	Y. CARON.	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	L. ASSELIN.	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP Full | Fuel Rec'd Today Bottom 1.58 CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Glen Bardeau

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11656

Rig No. 6 | Well Name: SOQUIP. PETROFINA BAIE DE GASPE NORD. No. 1

Pump No. 1: NATIONAL 8P60 | Liner Size mm: 127 | Stroke Length mm: 216
Pump No. 2: EMSCO D700 | Liner Size mm: 140 | Stroke Length mm: 406
Location: GASPE | Report Number: 36

From	To	Metres
1354	1370	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7 2-9.5	BJ1883	10000 8000	65	32	4.75			135	DAL	G	
RUN IN 1338														

Drilling Assembly (At End of Tour)

No.			
1	Bit	SR3	1.63 m
3	STABS	3.68	m
1	S.Q.	7.54	m
1	STABS	5.19	m
1	X.O.	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
41	Stands DP		m
1	Singles DP	117.23	m
	Kelly Down	6.01	m
	Total	1370.00	m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1020	1050	1050
Viscosity s/L	50	55	150	125
Filtrate cm³				15.0
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5000	5000	5000	5000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 33 SKS; CAUSTIC 25 Kg; VISCHEM 15 gal

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8 April 24; 2 8; 3 8

Remarks: VISCOSITY COME UP TO 150 (GAZ)

SURVEYS: Depth m 1357 4¼°; Depth m 1366 4½°

CHECK HOLE - PUMP NO: 2: 25 PUMP SHAKER 1125 KPA
CHECK HOLE PUMP NO: 1: 60: PUMP SHAKER 1100 KPA

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4392 | Total MJ 241324 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1429 | Weather | Roads GOOD

Force of String 55.000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs | BOP Drill Yes X No | Driller's Signature

Operation	Start	Stop	Intvl
DRILL 216 MM HOLE	:0	1:50	1.50
SURVEY. RIG-SERVICE	1:50	2:00	0.50
DRILL	2:00	5:00	3.00
SURVEY	5:00	5:50	.50
DRILL	5:50	8:00	2.50

From	To	Metres
1370	1387	17

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7 2-9.5	BJ1883	8,000	65	49	21.75						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.63	m
3	STABS	3.68	m
1	SQ	7.54	m
1	STABS	5.19	m
1	XO	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
41	Stands DP	1195.03	m
1	Singles DP		m
	Kelly Down	5.21	m
	Total	1387	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1060	1060
Viscosity s/L	68	65	69	70
Filtrate cm³				
pH	11.5	11.5	11.5	
Press kPa Pump 1	6300	6000	5300	4900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 12 KCL 5 XS; 1 Polymer; 1 VISCHEM

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8 April 24; 2 8 April 24; 3 8

Remarks: WATER-LOSS 30 minute 17 ml LITRE
2H WATER-LOSS 30 minute 18 ml LITRE
45 GAL. GIRAN 220 FP

SURVEYS: Depth m 1376 1¼°; Depth m 1385 4¼°

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4392 | Total MJ 241324 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1429 | Weather Clear | Roads Good

Force of String 55,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs 0 | BOP Drill Yes No | Driller's Signature

Operation	Start	Stop	Intvl
Drill 216mm Hole	8:00	10:25	2.05
Survey	10:25	10:75	0.50
Drill 216mm Hole	10:75	14:00	3.25
Survey	14:00	14:50	0.50
Drill 216mm Hole	14:50	16:00	1.50

From	To	Metres
1387	1398	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7 2-9.5	BJ1883	8000	65	60	29.25			MO		DRL	G

Drilling Assembly (At End of Tour)

No.			
1	SR3	1.63	m
3	STABS	3.68	m
1	SQ	7.54	m
1	STABS	5.19	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
41	Stands DP		m
1	Singles DP	1204.49	m
	Kelly Down	6.75	m
	Total	1398	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1040
Viscosity s/L	66	90	80	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5100	5100	5100	5300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 12 SACKS; POLYMER 25 Kg; CAUSTIC 50 Kg; INHIBITOR 2 GALS

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8 April 24; 2 8; 3 8

Remarks: DUMPED + CLEANED SHAKER BOX + TANK
WATER LOSS AT 8 P.M. 20 ml
" " AT 11 P.M. 22 ml

SURVEYS: Depth m 1393 1½°; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4392 | Total MJ 241324 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1429 | Weather Clear | Roads GOOD

Force of String 55,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Operation	Start	Stop	Intvl
DRILL 216MM HOLE	16:00	18:45	2.75
Survey Rig service	18:45	19:25	.50
DRILL	19:25	24:00	4.75
TOTAL			8

BOPS	Tested: Minutes	Pressure kPa	Checked: Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

CASING	Ran	JTS	CSG
	To	K.B Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM 1.91
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Jean Bouchard
Approved by Toolpush: Raymond Bérubé

Date: 81 (Year) 4 (Month) 11 (Day) | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TAUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease		
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BÉRUBÉ	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11655

Rig No. 6 | Well Name SOQUIP PETROFINA - BAIE DE GASPE - NORD No. 1 #

Pump No. 1 ▶ NATIONAL 8P50 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406 | Location GASPE - | Report Number 35

Date: 81 Year, 4 Month, 10 Day | Rig No. 6

From	To	Metres
1336	1338	1.2

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs	Torque	T	B	G
21	216	F3	—	BJ5637S	4000 3000	350	2.8	19.50				3	3	1

No.	Drilling Assembly (At End of Tour)	
1	Bit DYNADRILL	5.98 m
1	KICKS-B	0.37 m
1	X.O.	0.42 m
1	BIBUB	0.67 m
1	X.O.	0.77 m
1	MONEL	8.89 m
1	SHAS	3.19 m
		m
2	Stands DC	m
1	Singles DC	65.51 m
44	Stands DP	1243.06 m
	Singles DP	m
	Kelly Down	7.70 m
	Total	1338 m

Force of String 45.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	75	70	60	72
Filtrate cm³				
pH	11.5	11.7	11.5	11.7
Press kPa Pump 1	3000	3000	3000	3000
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: GEL 34 SKS; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 7 1/2; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8 April 10; 2 8 " " ; 3 " " ; 4 ; 5 ; 6

Next Oil Change

Remarks: 45 GALLS UNIVERSELLE 30

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	241324	0	0	7150	1429	~~Rain~~	GOOD

Boiler In Use? Hrs. 81 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Time Start	Stop	Intvl	Report
0	4:50	4.50	DRILL 216 MM HOLE
4:50	5:00	.50	SURVEY. WITH ENTMAN
5:00	7:50	2.50	DRILL
7:50	8:00	.50	PULL-OUT-OF-HOLE
7:0	7:82	8	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. FAUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

From	To	Metres
1338	1338	0

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
~~22~~	~~216~~	~~F2~~	~~3/9.5~~	~~BJ 1883~~	~~4000~~	~~65~~	~~0~~	~~0.75~~						
	RUN-IN	1338		1338.5										
22	216	F2	~~3/9.5~~	BJ 1883										

No.	Drilling Assembly (At End of Tour)	
	1 SRS	1.63 m
	3 STABS	3.68 m
1	SQ	7.54 m
1	SARS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
20	Stands DP	1139.89 m
1	Singles DP	m
	Kelly Down	8.20 m
	Total	1338.85 m

Force of String 54.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				1050
Viscosity s/L				62
Filtrate cm³				
pH				11.5
Press kPa Pump 1				5000
Press kPa Pump 2				
S.P.M. Pump 1				120
S.P.M. Pump 2				

Additives in kg: BR 100 E; 10 KCL SXS; 25 KG CAUSTIC; 1 POLYMER; 2 OF VIS; 1 gal VISCHEM

Desilter / Desander: Hours Operated 2 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1050; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 April-24; 2 8 April-24; 3 8 April-24

Next Oil Change

Remarks: Rod New, SRS. STABILIZER; Change Oil in D-353 Cats

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4392	241324	0	0	7150	1429	Rain	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Turriff

Time Start	Stop	Intvl	Report
	8:00	9.75	1.75	Trip out
	9.75			Lay down Dyna Driller,
				Monel, & SQ. D.C., and SRS.
				Pick up SQ, SRS & 3 STABS
		11:75	2.00	Run in Collars
11:75	13:25	1.50		Run in Hole Break circulation
13:25	15:25	2.00		Ream from 1310m to 1338
15:25	16:00	0.75		Drill 216mm Hole

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BEDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

From	To	Metres
1338	1354	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
22	216	F2	1-8.7	BJ 1883	4000	65	16	7.75			180		DRLG	
	IN 1338		2x9.5		10000									

No.	Drilling Assembly (At End of Tour)	
	Bit R3	1.63 m
3	STABS	3.68 m
1	SQ	7.54 m
1	SARS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
41	Stands DP	1158.9 m
	Singles DP	m
	Kelly Down	8.33 m
	Total	1354 m

Force of String 54.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1065	1050	1053	1060
Viscosity s/L	67	50	50	56
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5000	4100	4500	5000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 Kg; POLYMER; GEL 15 SACKS; KCL 10 SACKS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8 April 21; 2 8 April 21; 3 8 April 21

Next Oil Change

Remarks: MIXED 4 SACKS OF FLR-100-E; " 2 SACKS OF D-VIS

SURVEYS: Depth m ° | Depth m °
1338 40
1348 46

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4392	241324	0	0	7150	1429	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	Report
	16:00	16:25	.25	DRILL 216 mm HOLE
16:25	16:75	.50		survey Rig service
16:75	21:00	4.25		DRILL
21:00	21:50	.50		survey
21:50	24:00	2.50		DRILL
	TOTAL	8		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	Fuel @ 00:00
To	K.B. Used	Sx	Fuel Rec'd Today
	Cem Plus	%	Total
	Plug Down @	hrs	Fuel @ 23:59
	m³ Returns		Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Bourbeau

Approved by Toolpush: Raymond Berube

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11654

Rig No. 6 | Well Name SOQUIP-PETROFINA BAIE DE GASPÉ NORD NO. 1 4

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406 | Location GASPÉ

Date: 81 (Year) 4 (Month) 9 (Day) | Rig No. 6

From	To	Metres
1299	1310	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216.133	39.5		71377	10.000 / 8000	65	121	63			100	6	4	I

Drilling Assembly (At End of Tour)

No.		
1	Bit SBS	1.65 m
3	STABS	3.68 m
1	S.O.	9.19 m
1	STABS	8.19 m
1	X.O.	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
39	Stands DP	m
1	Singles DP	1111.13 m
	Kelly Down	12.70 m
	Total	1310.76 m

Force of String 52.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1035	1040	1050	
Viscosity s/L	76	73	65	
Filtrate cm³				TRIP
pH	11.5	11.5	11.5	
Press kPa Pump 1	4333	4333	4333	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: GEL 11 SKS; VISCHEM 1 gall

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April 10

Remarks

SURVEYS: Depth m 1361 ° 4½; Depth m 1310 ° 4¾

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6309 | Total MJ 232552 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1444 | Weather RAIN | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Report Number 34	Start	Stop	Intvl
DRILL 216 MM HOLE	0	1:00	1.00
SURVEY. RIG. SERVICE	1:00	1:50	.50
DRILL	1:50	5:00	3.50
SURVEY	5:00	5:50	.50
PULL. OUT. OF. HOLE	5:50	8:00	2.50
STRAP. OUT	:	:	.

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor K. LAUZÉ	8
Floor G. TAUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1310	1316	6

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
21	216	F3	6	BJ 6378	4000		6	4						

Drilling Assembly (At End of Tour)

No.		
	DynaD	5.98 m
	Kick Sub	.31 m
1	XO	.42 m
1	Bitsub	.67 m
1	XO	.77 m
1	Monel	8.89 m
1	SARS	5.19 m
		m
2	Stands DC	65.51 m
1	Singles DC	m
43	Stands DP	m
5	Singles DP	1324.42 m
	Kelly Down	3.84 m
	Total	1316 m

Force of String 45.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³			1040	1030
Viscosity s/L			62	67
Filtrate cm³				
pH			11.5	11.5
Press kPa Pump 1			2600	3000
Press kPa Pump 2				
S.P.M. Pump 1			140	140
S.P.M. Pump 2				

Additives in kg: 15 KCL SKS; 1 POLYMER

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April-10; April-10; April-10

Remarks

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 241324 | Slipped (m) 15m | Cut 15m | Next Slip 7150 | Temp. 1429 | Weather Rain | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Yves Turriff

Report Number	Start	Stop	Intvl
Pullout	8:00	8:25	0.25
Pickup Dyna Drill & Monel	8:25	:	.
Run in Collars	:	9:00	0.75
Slip & Cut line	9:00	10:00	1.00
Run in Hole	10:00	10:75	0.75
Orient Dyna Drill	10:75	11:25	0.50
Drill 216mm Hole	11:25	13:25	2.00
Orient Dyna Drill	13:25	14:00	0.75
Drill 216mm Hole	14:00	16:00	2.00
	:	:	.

TOUR ② 08:00 - 16:00	Hrs.
Driller L. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1316	1326	10

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
21	216	F3	—	BJ 6378	4000		16	11.50						

Drilling Assembly (At End of Tour)

No.		
	DYNA D	5.98 m
	Kick Sub	.31 m
1	XO	.42 m
1	Bitsub	.67 m
1	XO	.77 m
1	MONEL	8.89 m
1	SARS	5.19 m
		m
2	Stands DC	65.51 m
1	Singles DC	m
43	Stands DP	m
5	Singles DP	1333.47 m
	Kelly Down	4.79 m
	Total	1326 m

Force of String 45.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1020	1030	1050	1050
Viscosity s/L	65	65	70	75
Filtrate cm³	—			
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	3000	3000	3000
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 Kg; INHIBITOR 2 GALS

Desilter / Desander: Hours Operated 6; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April 10

Remarks

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 241324 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1429 | Weather Clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Report Number	Start	Stop	Intvl
DRILL 216 MM HOLE	16:00	21:75	5.75
SURVEY ORIENT DYNA DRILL	21:75	22:25	.50
DRILL	22:25	24:00	1.75
	:	:	.
TOTAL	8		

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor R. Bérubé	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 TIP TANK FULL
Fuel Rec'd Today BOTTOM 1.60
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Baudreault

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11653

Rig No. 6 | Well Name SOQUIP-PETROFINA-BAIE-DE-GASPE NORD NO. 1 H | Location GASPE | Report Number 33

Date: 81 (Year) 04 (Month) 8 (Day) | Rig No. 6

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
1259	1272	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	533	3-9.5	71277	10-000	65	83	44			100	DRLG		

Drilling Assembly (At End of Tour)

No.		
1	Bit R3	1.65 m
3	STABS	3.68 m
1	S.C.	8.19 m
1	JARS	5.19 m
1	X.O.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
38	Stands DP	1073.62 m
	Singles DP	m
	Kelly Down	10.95 m
	Total	1272 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1015	1025	1040	1040
Viscosity s/L	69	64	67	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	4500	4500	5000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 9 SKS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1180; O.F. Density kg/m³ 1010; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April/10

Remarks

SURVEYS: Depth m 1263 3¾

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Force of String 51.000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6309 | Total MJ 232552 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1444 m | Weather CLOUDY | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature Jean Boudreault

Start	Stop	Intvl	Time	
:0	2:50	2:50	DRILL 216 MM HOLE	
2:50	3:00	0:50	SURVEY. RIG SERVICE	
3:00	8:00	5:00	DRILL	

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR 1 00:00 - 08:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1272	1284	12

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	533	3-9.5	71277	10,000	65	95	51						

Drilling Assembly (At End of Tour)

No.		
1	Bit R3	1.65 m
3	Stabs	3.68 m
1	SC	8.19 m
1	Jars	5.19 m
1	X.O.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
38	Stands DP	1092.82 m
2	Singles DP	m
	Kelly Down	4.35 m
	Total	1284 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1040	1040	1040
Viscosity s/L	65	65	62	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5000	4500	4000	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 15 KG KCL 5 SKS; 23 ½ SKS; 50 KG CAUSTIC; VISCHEM 1 G

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April-10; April-10; April-10

Remarks

SURVEYS: Depth m 1273 m 4°; Depth m 1282 m 4½°

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Force of String 52.000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6309 | Total MJ 232552 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1444 | Weather Clear | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Jean Turriff

Start	Stop	Intvl	Time	
8:00	8:15	0:15	Drill 216mm Hole	
8:15	9:25	0:50	Survey & Rig Service	
9:25	14:50	5:25	Drill 216 mm Hole	
14:50	15:00	0:50	Survey	
15:00	16:00	1:00	Drill 216mm Hole	

INJURIES - COMPLETE BELOW

TOUR 2 08:00 - 16:00

		Hrs.
Driller	J. Turriff	8
Derrick	R. Larochelle	8
Motor	Rim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease	Luc Bergevin	8
Mechanic	C. BLANCHETTE	10
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1284	1299	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	533	3-9.5	71277	10,000	65	110	58.50			80		DRLG	

Drilling Assembly (At End of Tour)

No.		
1	Bit R3	1.65 m
3	STABS	3.68 m
1	SC	8.19 m
1	JARS	5.19 m
1	X.O.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
44	Stands DP	1101.60 m
	Singles DP	m
	Kelly Down	9.97 m
	Total	1299 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1020	1020	1020
Viscosity s/L	65	62	60	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	4000	4000	4000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL —; CAUSTIC 10 KG; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa —

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April/10

Remarks: 55 GALLONS OF OXYGEN SCAVENGER; 45 GALLONS OF GIRAN 220 EP; HELD BOP DRILL

SURVEYS: Depth m 1292 4¼°; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Force of String 52.000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6309 | Total MJ 232552 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1 | Weather Clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Start	Stop	Intvl	Time	
16:00	19:50	3:50	DRILL 216MM HOLE	
19:50	20:00	50	Survey Rig service	
20:00	24:00	4:00	DRILL	
	Total	8		

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

TOUR 3 16:00 - 24:00

		Hrs.
Driller	Roland Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Toolpusher's Approval

SAFETY TALKS

Given By: R. BEDARD

Subject: HELD B.O.P. DRILL

Given By:

Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	
To	K.B. Used	Sx	
	Cem Plus	%	
	Plug Down @	hrs	
	m³ Returns		

Fuel @ 00:00 TOP FUEL | Fuel Rec'd Today BOTTOM 1500M | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Jean Boudreault

Approved by Toolpush: Raymond Bérubé

Drill Pipe Record

Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

Rig No. 6 | Well Name SOQUIP · PETROFINA · BAIE DE GASPÉ NORD No. 1 #

11652

Pump No. 1 ▶ Type NATIONAL 8P90 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 32

Date: 81 (Year) 4 (Month) 7 (Day) | Rig No. 6

From	To	Metres
1216	1231	15

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	S33	3-9.5	71277	12,000 / 10,000	65	42	22			50	DRL	6	

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	S.O.	8.19	m
1	JARS	5.19	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
36	Stands DP		m
2	Singles DP	1035.90	m
	Kelly Down	7.66	m
	Total	1231	m

Force of String 50.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	58	65	60	67
Filtrate cm³				
pH	11.5	11.5	11.7	11.5
Press kPa Pump 1	4200	4500	4500	4333
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 12 SKS; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 H; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 10; 1 1 1; 1 1 1

Remarks: SAFETY MEETING FOR BLOW OUT PREVENTION
45 GAL SCAVENGER

SURVEYS Depth m	°	Depth m	°
1216	3		
1226	3 1/4		

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	COOL	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Bélanger

Time Start	Stop	Intvl	
:0	0:50	:50	SURVEY. RIG. SERVICE
0:50	4:50	4:00	DRILL
4:50	5:00	0:50	SURVEY B.O.P.S.
5:00	8:00	3:00	DRILL

TOUR ① 00:00 - 08:00

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1231	1244	13

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	S33	3-9.5	71277	10,000 / 13,000	65	55	29						

Drilling Assembly (At End of Tour)

No.			
	SR3	1.65	m
	3 Stabs	3.68	m
1	SO.	8.19	m
1	JARS	5.19	m
1	XO.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
37	Stands DP	1045.36	m
	Singles DP		m
	Kelly Down	12.20	m
	Total	1244.99	m

Force of String 51,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	
Viscosity s/L	63	65	68	
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	4300	4300	4300	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: 10 KCL SXS; 1 Polymer

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April-10; April-10; April-10

Remarks: VISCHEM 1 L
Check Hydrill, Pipe Rams, Fire extinguishers
MOTOR SHUT OFF, Kelly cock

SURVEYS Depth m	°	Depth m	°
1235	3 1/4		
1245	3 1/4		

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Time Start	Stop	Intvl	
8:00	9:75	1:75	Drill 216 mm Hole
9:75	10:25	0:50	Survey
10:25	15:00	4:75	Drill 216 mm Hole
15:00	15:50	0:50	Survey & Rig Service
15:50	16:00	0:50	Drill 216mm Hole

TOUR ② 08:00 - 16:00

		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	R. Cayer	8
Floor	S. Berube	8
Lease	Luc Bergevin	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres
1244	1259	15

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	S33	3-9.5	71277	10,000	65	70	36.50				50	DRL	6

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	SO	8.19	m
1	JARS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
37	Stands DP		m
2	Singles DP	1064.17	m
	Kelly Down	1.40	m
	Total	1259	m

Force of String 51.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1030	1020	1015
Viscosity s/L	62	65	63	74
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	4000	4000	4000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SACKS; GEL 18 SACKS; CAUSTIC 75 Kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: April 10; April 10; April 10

Remarks: MUD WEIGHT DROPPED ALL THROUGH SHIFT

SURVEYS Depth m	°	Depth m	°
1254	3 3/4		

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	clear	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	
16:00	20:50	4:50	DRILL 216MM HOLE
20:50	21:00	:50	Survey Rig Service
21:00	24:00	3:00	DRILL
	TOTAL	8	

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.
Kim Turriff		Hurt Back	
working on mudcan			

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 FOP · FULL
Fuel Rec'd Today Bottom · 1M
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Jean Boudreault
Approved by Toolpush: Raymond Bérubé

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

11651

Rig No. 6 | Well Name SOQUIP PETROFINA. BAIE DE GASPÉ. NORP. NO. 1 &

Pump No. 1 ▶ NATIONAL 8-P-80 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ | Report Number 31

Date 81 4 6 (Year Month Day) | Rig No. 6

From	To	Metres
1187	1189	2

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
19	216	J55	—	62069	4000	350	9	11.25				7	4	1
		RUN IN 1180												
20	216	S33	3-9.5	71277										

Drilling Assembly (At End of Tour)

No.			
1	Bit SA3	1.65	m
3	STABS	3.68	m
1	S.C	8.19	m
1	STABS	5.19	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
35	Stands DP		m
1	Singles DP	998.16	m
	Kelly Down		m
	Total		m

MUD	06:00	08:00	10:00	12:00
Density kg/m³	1050	1050		
Viscosity s/L	69	74		
Filtrate cm³				
pH		11.5	11.5	
Press kPa Pump 1	2800	2800		
Press kPa Pump 2				
S.P.M. Pump 1	140	140		
S.P.M. Pump 2				

TRIP

Additives in kg: KCL 15 SXS; GEL 9 SXS; VISCHEM 3/4 gal

Desilter / Desander: Hours Operated 7 HRS; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8 April 10; 2 8 " " ; 3 8 " " ; 4; 5; 6

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	CLOUDY	GOOD

Force of String 50 000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Time Start	Stop	Intvl	Operation
:0	3:00	3:00	DRILL 216MM HOLE
3:00	3:50	.50	SURVEY.
3:50	5:00	1.50	PULL OUT OF HOLE
5:00	5:25	0.25	LAY DOWN MONEL. DYNAD BIT
5:25	7:00	1.3/4	BIN IN HOLE WITH SQ. STABS
7:00	8:00	1	REAM SQCO INTO BOTTOM

TOUR ① 00:00 - 08:00	Hrs.
Driller S.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TAUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

From	To	Metres
1189	1200	11

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	S33	3-9.5	71277	4000 12,000	50 65	11	7.50						

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	SQ	8.19	m
1	STABS	5.19	m
1	XO	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
35	Stands DP	1007.60	m
2	Singles DP		m
	Kelly Down	4.97	m
	Total	12,000	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1070	1050	1050
Viscosity s/L	70	65	65	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4300	5500	5000	4900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 23 GEL SXS; 15 KCL SXS; VISCHEM 1 L

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 Apr. 1-10; 2 8 Apr. 1-10; 3 8; 4; 5; 6

Remarks

SURVEYS: Depth m 1197 30 | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	Rain	Good

Force of String 50,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Kim Turriff

Time Start	Stop	Intvl	Operation
8:00	14:00	6.00	Drill 216mm Hole
14:00	14:50	0.50	Survey & Rig Service
14:50	16:00	1.50	Drill 216mm Hole.
	Total	8	

TOUR ② 08:00 - 16:00	Hrs.
Driller K. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease Luc. Bergevin	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1200	1216	

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
20	216	S33	3-9.5	71277	12000	65	27	15			80		DR	G

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	SQ	8.19	m
1	STABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
36	Stands DP	1017.00	m
	Singles DP		m
	Kelly Down	12.20	m
	Total	1216.00	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	67	62	60	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4800	4500	4000	4200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 kg

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1085; O.F. Density kg/m³ 1045; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 April 10; 2 8 April 10; 3 8 April 10; 4; 5; 6

Remarks: Board 220 gingn clock fire extinguisher (OK) HELP PREVENTION BLOW out clock shut off motor (OK)

SURVEYS: Depth m 1207 30 | Depth m

Crown Stopper Checked? OK | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6309	232552	0	0	7150	1444	RAIN	GOOD

Force of String 50000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	Operation
16:00	19:50	3.50	DRILL 216MM HOLE
19:50	20:00	.50	survey Rig service
20:00	24:00	4.00	DRILL
	total	8	

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM M20 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Alain Bourdeault
Approved by Toolpusher: Gerard Dumont

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

9 5/150 18775

Rig No. 6
Well Name SOQUIP . PETROFINA . BAIE DE GASPÉ NORD . No · 1

Date: Year 81 Month 4 Day 5 — Rig No. 6

Pump No. 1 ▶	Type 8P80 NATIONAL	Liner Size mm 137	Stroke Length mm 216	Pump No. 2 ▶	Type EMSCO	Liner Size mm 140	Stroke Length mm 406	Location GASPÉ	Report Number 30

TOUR ① 00:00 - 08:00

From	To	Metres
1167	1177	10

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	18	216	F3	3.9.5	BN6603	4000	80	19	14			100	DBLG		
	RUN IN 1158														

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	S.O.	8.19	m
1	JARS	5.19	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
34	Stands DP		m
7	Singles DP	979.17	m
	Kelly Down	10.40	m
	Total	1177	m
	Force of String	52.000	daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	62	60	56	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	8500	8500		
Press kPa Pump 2			4000	4600
S.P.M. Pump 1	100	100		
S.P.M. Pump 2			50	60

Additives in kg:
GEL 6 SKS
CAUSTIC 25 KG
VISCHEM 1 GAL

Desilter / Desander	
Hours Operated	8 HRS
U.F. Density kg/m³	1120
O.F. Density kg/m³	1040
Flow Rate L/min	122
Pressure kPa	

Motor Hours		Next Oil Change
1	8	april 10
2	8	
3	8	
4		
5		
6		

Remarks 45 GALL UNIVERSELLE 30 45 gall 220 EP

SURVEYS Depth m	°	Depth m	°
1169	4		

Crown Stopper Checked ? YES — Reset ? YES — Kelly Cock Checked ? YES — Rig Savers Checked ? YES

Drill'g Line Record Size mm	No. Lines	~~Megajoules~~	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	~~4978~~	233553	0	0	7150	1444	RAIN	GOOD

	Start	Stop	Intvl
DRILL 216 M.M. HOLE	:0	2:00	2.00
SURVEY. RIG. SERVICE	2:00	2:50	.50
DRILL	2:50	8:00	5.50

Boiler In Use? Hrs. 8 — Camp In Use? Hrs. — BOP Drill Yes X No — Driller's Signature Jm Bélanger

TOUR ① 00:00 - 08:00		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00

From	To	Metres
1177	1180	3

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	18	216	F3	3-9.5	BN6603	4000	80	22	16.75				5	3	1
	19	216	J55	0	62069	4000			0.75						

No.	Drilling Assembly (At End of Tour)		
	Dyna	5.98	m
	Bitsub	0.67	m
	Monel	8.89	m
	Jars	5.19	m
	Kicksub	0.31	m
	XO	0.42	m
	XO	0.77	m
			m
2	Stands DC	75.01	m
2	Singles DC		m
38	Stands DP	1083.82	m
1	Singles DP		m
	Kelly Down	10.00	m
	Total	1080	m
	Force of String	44,000	daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050		
Viscosity s/L	60	62		
Filtrate cm³				
pH	11.5	11.5	TRIP	
Press kPa Pump 1		4000		
Press kPa Pump 2	5000			
S.P.M. Pump 1		120		
S.P.M. Pump 2	50			

Additives in kg:
50 KG CAUSTIC
VISCHEM 1 gl.

Desilter / Desander	
Hours Operated	
U.F. Density kg/m³	
O.F. Density kg/m³	
Flow Rate L/min	
Pressure kPa	

Motor Hours		Next Oil Change
1	8	April-10
2	8	
3	8	
4		
5		
6		

Remarks Clean out Flowline

SURVEYS Depth m	°	Depth m	°
1178	4 1/4		

Crown Stopper Checked ? ✓ — Reset ? ✓ — Kelly Cock Checked ? ✓ — Rig Savers Checked ? ✓

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	~~Temp.~~	Weather	Roads
32	10	4978	233552	0	0	7150	1444	over Cast	Good

	Start	Stop	Intvl
Drill 216mm Hole	8:00	9:25	1.25
Survey	9:25	9:75	0.50
Drill 216mm Hole	9:75	11:25	1.50
Trip out & Lay down Stabs	11:25	13:00	1.75
Run in with Dyna Drill &	13:00	:	.
Monel, Fill pipe 20 Stands in	:	:	.
Finish Running in	:	:	.
Break circulation & clean to	:	15:25	2.25
Bottom	:	:	.
Drill 216mm Hole	15:25	16:00	0.75

Boiler In Use? Hrs. 8 — Camp In Use? Hrs. 0 — BOP Drill Yes No — Driller's Signature

TOUR ② 08:00 - 16:00		Hrs.
Driller	T. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	S. Berube	8
Lease	Luc Begevin	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00

From	To	Metres
1180	1187	7

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs	Torque	T	B	G
	19	216	J55	0	62069	4000		7	8.25						

No.	Drilling Assembly (At End of Tour)		
1	Bit DYNA	5.98	m
1	Bit sub	0.67	m
1	MONEL	8.89	m
1	JARS	5.19	m
1	KICKsub	0.31	m
1	X.O	0.42	m
1	X.O	0.77	m
			m
2	Stands DC	75.01	m
2	Singles DC		m
38	Stands DP		m
5	Singles DP	1092.20	m
	Kelly Down	7.71	m
	Total	1187	m
	Force of String	40.000	daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1040
Viscosity s/L	65	90	80	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	3000	3000	2800
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg:
GEL —
CAUSTIC 25 Kg
KCL 15 SACKS
POLYMER 25 Kg
INHIBITOR 1 GAL

Desilter / Desander	
Hours Operated	8
U.F. Density kg/m³	1130
O.F. Density kg/m³	1030
Flow Rate L/min	12
Pressure kPa	

Motor Hours		Next Oil Change
1	8	april 10
2	8	
3	8	
4		
5		/
6		

Remarks

SURVEYS Depth m	°	Depth m	°

Crown Stopper Checked ? ✓ — Reset ? ✓ — Kelly Cock Checked ? ✓ — Rig Savers Checked ? ✓

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	4978	232552	0	0	7150	1444	over CAST	GOOD

	Start	Stop	Intvl
eastman survey	16:00	16:50	50
DRILL 216MM HOLE	16:50	24:00	7.50
	:	TOTAL	8

Boiler In Use? Hrs. 8 — Camp In Use? Hrs. ✓ — BOP Drill Yes [✓ No] — Driller's Signature Roland Bédard

TOUR ③ 16:00 - 24:00		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Bérubé	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1).

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B.Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00
Fuel Rec'd Today
Total
Fuel @ 23:59 TOP FULL
Fuel Used BOTTOM 1.45

Equipment Transfers (Including Rental)
To / From Trans #

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc
	114	E	I				316	316

Drill Collars on Loc. O.D. mm	No.	O.D. mm	No.
171	6		

Approved by Operator's Representative Jean Boudreault
Approved by Toolpush Gerard Ouimet

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18774

Rig No. 6 | Well Name SOQUIP PETRO FINA BAIE de GASPÉ NORD 1# | Location GASPÉ NORD 1# | Report Number 39

Pump No. 1 ▶ Type NATIONAL 8 P80 | Liner Size mm 159 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 146 | Stroke Length mm 406

From	To	Metres
1135	1153	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
17	216	J33	—	63839	4000		18M	7.50				DR	L	6
RUN IN 1135														

Drilling Assembly (At End of Tour)

No.		
1	Bit DNA DRW	5.98 m
1	Bit sub	0.69 m
1	MONEL	8.89 m
1	JARS	5.19 m
1	KICKSUB	0.31 m
1	X.O	0.42 m
1	X.O	0.79 m
		m
3	Stands DC	75.01 m
	Singles DC	m
37	Stands DP	m
	Singles DP	1044.45 m
	Kelly Down	12.50 m
	Total	1153.09 m

Force of String 44,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1050	10.50	1045
Viscosity s/L	70	70	72	61
Filtrate cm³				
pH	11.0	11.0	11.5	11.5
Press kPa Pump 1	3500	3500	3500	3500
Press kPa Pump 2				
S.P.M. Pump 1	105	105	105	105
S.P.M. Pump 2				

Additives in kg: CAUSTIC 1 SACS; KCL 20 SACS; GEL 16 SACS; VIS CPAM 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: AVRIL 10

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2390	232552	0	0	715	1444	OVER CAST	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No | Driller's Signature Marcel Bergeron

Start	Stop	Intvl	Activity
00:00	2:25	2:25	DRILL 216 mm HOLE
2:25	2:75	:50	SERVEY
2:75	7:00	4:25	DRILL
7:00	7:50	:50	SERVEY
7:50	8:00	:50	DRILL

Date 81 04 04 (Year Month Day) | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller M. JACQUES	8
Derrick A HAMEL	8
Motor R. TRÉPANIER	8
Floor M. CHARLAND	8
Floor L. BERGEVIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1153	1158	5

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
17	216	J33	—	[illegible]	4000	350	23	10 1/2				7	7	2mm
18c	216	F3	3X9.5	BN6603 (Inst 1158m)										

Drilling Assembly (At End of Tour)

No.		
1	Bit ISA3	1.65 m
	3 STABS	3.68 m
1	SQ	8.19 m
1	JARS	5.19 m
1	X.O	0.77 m
		m
		m
	Stands DC	167.95 m
	Singles DC	m
34	Stands DP	m
X	Singles DP	960.45 m
	Kelly Down	m
	Total	m

Force of String 51,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050		
Viscosity s/L	68	63		
Filtrate cm³				
pH	11.5	11.5		
Press kPa Pump 1	3500	3500		
Press kPa Pump 2				
S.P.M. Pump 1	100	100		
S.P.M. Pump 2				

TRIP

Additives in kg: VISCHEM 1/2 sk

Desilter / Desander: Hours Operated 4 HRS; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April 10; ////; ////

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4780	232552	0	0	7150	1444		GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✗ No | Driller's Signature

Start	Stop	Intvl	Activity
8:00	11:60	3:60	DRILL 216 M.M. HOLE
11:00	13:00	2:00	PULL OUT OF HOLE.
13:00	14:00	1:00	LAY DOWN DYNA DRILL
			LAY DOWN 3 D. COLLAR
			PICK UP NEW ONE.
14:00	15:50	1:50	RUN IN HOLE.
15:00	15:50	:50	BREAK CIRC. REAMING.
			FROM 1140. to BOTTOM

TOUR ② 08:00 - 16:00

	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1158	1167	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
18	216	F3	3-9.5	BN6603	4000	80	9	6.50						

Drilling Assembly (At End of Tour)

No.		
1	Bit ISA3	1.65 m
3	STABS	3.68 m
1	SQ	8.19 m
1	JARS	5.19 m
1	XO	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
34	Stands DP	969.92 m
1	Singles DP	m
	Kelly Down	9.65 m
	Total	1167 m

Force of String 52,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	60	62	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	8500	8500	8500	8500
Press kPa Pump 2				
S.P.M. Pump 1	100	100	100	100
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 8 KCL SXS; 7 KCL SXS; 42 Gel SXS; VISCHEM 1 sk.

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: April-10; April-10; April-10

Remarks Held BOP. Drill
45 GAL Regular 10W

SURVEYS: Depth m 1160 ° 40 | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4780	232552	0	0	7150	1444	OVER CAST	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

Start	Stop	Intvl	Activity
16:00	17:00	1:00	Ream to 1158 m
17:00	18:25	1:25	Drill 216mm Hole
18:25	18:75	0:50	Survey
18:75	24:00	5:25	Drill 216mm Hole
		Total	

TOUR ③ 16:00 - 24:00

	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor L. Turriff	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 Top Full | Fuel Rec'd Today Bottom 50" | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpush

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18773

Rig No. 6 | Well Name SOQUIP PETRO FINA BAIE de GASPÉ NORD 1#

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 159 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ NORD 1# | Report Number 28

Date: Year 81 Month 04 Day 03 | Rig No. 6

From	To	Metres
1119	1132	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR14	216	J22	3-9.5	41497	5000	80	4907	37.75			60	4	3	2
RUN IN 1045														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	S.O.	8.63	m
1	JAR3	5.19	m
1	X.O.	0.79	m
			m
			m
			m
0	Stands DC	167.95	m
	Singles DC		m
33	Stands DP		m
1	Singles DP		m
	Kelly Down	9.42	m
	Total	932.66	m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	1060	1060	+
Viscosity s/L	65	61	65	R
Filtrate cm³				
pH	11.5	11.5	11.5	I
Press kPa Pump 1	6000	6000	6000	P
Press kPa Pump 2				
S.P.M. Pump 1	90	90	90	
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 KG; ALL 20 SACS; VIS CHEM IRAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours		Next Oil Change
1	8	AVRIL 10
2	8	AVRIL 10
3	8	AVRIL 10
4		
5		
6		

Remarks

SURVEYS

Depth m	°
1123	4½
1132	5°

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	8290	2242662	0	0	7150	1458	RAIN	GOOD

Force of String 50000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 1 | BOP Drill Yes No ✓ | Driller's Signature Marcel Jacques

Start	Stop	Intvl	
00:00	1:50	1:50	DRILL 216 mm HOLE
1:50	2:00	:50	SERVEY Rig Service
2:00	5:50	3:50	DRILL
5:50	6:00	:50	SERVEY
6:00	8:00	2:00	PULL out HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller M. JACQUES	8
Derrick A. HAMEL	8
Motor R. TRÉPANIER	8
Floor M. CHARLAND	8
Floor L. BERGEVIN	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1132	1135	3

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
15	216	J07	—	26389	4000	350	3	2.50				8	6	1

Drilling Assembly (At End of Tour)

No.			
	[illegible]		m
1	DYNADRILL	5.98	m
1	BITSUB	0.67	m
1	MONEL	8.89	m
1	STABS	5.19	m
1	KICKSUB	0.31	m
1	X.O	0.42	m
1	X.O	0.77	m
2	Stands DC	64.89	m
3	Stands DP	75.01	m
3	Singles DP	1035.31	m
	Kelly Down	3.22	m
	Total	1135	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³			1060	1050
Viscosity s/L			63	67
Filtrate cm³				
pH			11.5	11.5
Press kPa Pump 1			3500	3500
Press kPa Pump 2				
S.P.M. Pump 1			100	100
S.P.M. Pump 2				

TRIP

Additives in kg: POLYMER 1 Pail; KCL 12.5 X 5; VISCHEM 1 Gal.

Desilter / Desander: Hours Operated 4H; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours		Next Oil Change
1	8	April 10
2	8	
3	8	
4		
5		
6		

Remarks

SURVEYS

Depth m	°
1132	5
1132 NESW	

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2350	2350532	14	14	7150	1444	CLOUDY	GOOD

Force of String 44000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✗ No | Driller's Signature [illegible]

Start	Stop	Intvl	
8:00	8:50	:50	PICK up DYNA DRILL
8:50	9:00	:50	RUN IN COLLARS IN HOLE
9:00	9:50	:50	SLIP AND CUT LINE
9:50	10:50	1:00	FINISH RUN IN HOLE
10:50	:	:	BREAK CIRC - REAMING
:	11:50	1:00	FROM 11:30 TO 1132
11:50	12:50	1:00	SURVEY
12:50	15:00	2:50	DRILL 216 MM HOLE
15:00	16:00	1:00	PULL OUT OF HOLE

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TAUDEL	8
Floor A. TOUSIGNANT	8
Lease	
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1135	1135	0

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR16	216	◇	0	81152	4000		0	100						
17	216	J33	0	63839	4000		0	0.50						

Drilling Assembly (At End of Tour)

No.			
1	DYNA	5.98	m
1	BITSUB	0.67	m
1	Monel	8.89	m
1	Jars	5.19	m
1	Kicksub	0.31	m
1	XO	0.42	m
1	XO	0.77	m
			m
2	Stands DC	75.01	m
3	Singles DC		m
3	Stands DP	1035.31	m
0	Singles DP		m
	Kelly Down	3.22	m
	Total	1135	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050			
Viscosity s/L	75			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	5300			
Press kPa Pump 2				
S.P.M. Pump 1	95			
S.P.M. Pump 2				

TRIP

Additives in kg: 8 KCL 5 X 5

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	April-10
2	8	April-10
3	8	April-10
4		
5		
6		

Remarks

SURVEYS

Depth m	°

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2390	2325558	0	0	7150	1444	OVER CAST	Good

Force of String 44,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

Start	Stop	Intvl	
16:00	16:75	0.75	Pull out
16:75	:	:	Change Bit + Run in 17 Stands
:	:	:	Fill Pipe and Run to Bottom
:	18:25	1.50	Break circulation
18:25	18:75	0.50	Orientate Dyna Drill
18:75	19:75	1.00	Drill 216 mm Hole
19:75	:	:	Pull out, change Bit.
:	:	:	Run in 17 Stands Fill pipe
:	23:00	3.25	Run to Bottom, Break circulation
23:00	23:50	0.50	Orienting Dyna Drill
23:50	24:00	0.50	Drill 216 mm Hole
:	:	:	
:	:	:	

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor L. Turriff	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 | Fuel Rec'd Today | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative [illegible]

Approved by Toolpusher [illegible]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPE NORD 1A | 18772

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 159 | Stroke Length mm 216 | Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406 | Location GASPÉ | Report Number 27

Date: Year 81 Month 4 Day 2 | Rig No. 6

From 1070 To 1085 Metres 15

No.	Drilling Assembly (At End of Tour)		
1	BIT R3	1.65	m
3	STABS	3.68	m
1	S.Q.	8.63	m
1	JARS	3.19	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
31	Stands DP		m
1	Singles DP	984.96	m
	Kelly Down		m
	Total	1085.03	

Force of String 49,000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR14	216	J22	3-9.5	41497	4000	80	40	18.50				D	R	L G
	IN AT 1045														

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	57	58	61	68
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6000	6000	6000
Press kPa Pump 2				
S.P.M. Pump 1	90	90	90	90
S.P.M. Pump 2				

Additives in kg: Caustic 25 kg; Mel 20 sacs; VIS CHEM 1 gal

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April-10; 2 " ; 3 " ;

Remarks

SURVEYS	Depth m	°	Depth m	°
	1075	4 1/8		
	1085	4 1/4		

Crown Stopper Checked ? — | Reset ? — | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6456	224268	0	0	7150	1458	CLOUDY	GOOD

Time	Start	Stop	Intvl
DRILL 216 MM HOLE	0800	2:00	2:00
SURVEY + RIG SERV	2:00	2:50	50
DRILL	2:50	7:50	5:00
SURVEY	7:50	8:00	50

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From 1085 To 1104 Metres 19

No.	Drilling Assembly (At End of Tour)		
1	BIT JR3	1.65	m
3	STABS	3.68	m
1	S.Q.	8.63	m
1	JARS	3.19	m
1	X.O.	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
31	Stands DP	903.98	
	Singles DP		m
	Kelly Down	12.30	m
	Total	1104.05	m

Force of String 50.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR14	216	J22	3-9.5	41497	4000	80	59	26			50	D	R	L G

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1055	1055	1060
Viscosity s/L	55	68	73	
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6000	6000	6000
Press kPa Pump 2				
S.P.M. Pump 1	90	90	90	90
S.P.M. Pump 2				

Additives in kg: Polymer 1 pail; KCL 15 sxs; Caustic 25 kg; VISCHEM 1 gall

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1035; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April-10

Remarks: CLEAN + DUMP P-TANK 3 1/4 + 1 45 gall. SCANVENGER

SURVEYS	Depth m	°	Depth m	°
	1094	4 1/2		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6456	224268	0	0	7150	1458	RAIN	GOOD

Time	Start	Stop	Intvl
DRILL 216 MM HOLE	8:00	11:35	3.75
SURVEY. RIG SERVICE	11:35	12:25	50
DRILL	12:25	16:00	3.75

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J. Belanger

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L-BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From 1104 To 1119 Metres 15

No.	Drilling Assembly (At End of Tour)		
1	Bit SR3	1.65	m
3	STABS	3.68	m
1	SQ	8.63	m
1	JARS	3.19	m
1	XO	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
33	Stands DP	993.10	m
2	Singles DP		m
	Kelly Down	8.03	m
	Total	1119	

Force of String 50.000 daN

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	RR14	216	J22	3-9.5	41497	5000	80	74	32.75						

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1070	1070	1070	1070
Viscosity s/L	65	66	65	72
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5900	3900	6000	6000
Press kPa Pump 2				
S.P.M. Pump 1	90	90	90	90
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 24 Mel SXS; 1 POLYMER; KCL 15; VISCHEM 1 gal.

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1030; Flow Rate L/min 121; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April-10; 2 " - " ; 3 " - " ;

Remarks: DUMP + CLEAN SHAKER-TANK

SURVEYS	Depth m	°	Depth m	°
	1104	4 1/4		

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6456	224268	0	0	7150	1458	Rain	Good

Time	Start	Stop	Intvl
Survey	16:00	16:50	0.50
Drill 216mm Hole	16:50	20:50	4.00
Survey & Rig Service	20:50	21:25	0.75
Drill 216mm Hole	21:25	24:00	2.75

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature T. Turriff

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Rim Turriff	8
Floor P. Cayer	8
Floor L. Turriff	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1).

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 9"
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Alain Desgreaulp
Approved by Toolpush: Gerard Dionne

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18771

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ 1A

Pump No 1 ▶ NATIONAL 8P80 | Liner Size mm 159 | Stroke Length mm 216 | Pump No. 2 ▶ ENSCO D700 | Liner Size mm 140 | Stroke Length mm 406 | Location GASPÉ | Report Number 26

From	To	Metres
1029	1045	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs.	Torque	T	B	G
13	216	F4	—	BD5379	4000		24	9.25						
RUN IN at 1021														

Drilling Assembly (At End of Tour)

No.		
1	BIT	1.65 m
3	STABS	3.68 m
1	S.C.	8.63 m
1	STABS	5.19 m
1	X-O	0.77 m
1	DYNA DRILL	5.98 m
1	X-O	0.31 m
1	X-O	0.42 m
6	Stands DC	167.95 m
	Singles DC	m
30	Stands DP	846.77 m
	Singles DP	m
	Kelly Down	3.65 m
	Total	1045 m

Force of String 49,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1045	1045	1040	1030
Viscosity s/L	63	67	68	61
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	4000	4000	4000
Press kPa Pump 2				
S.P.M. Pump 1	110	110	110	110
S.P.M. Pump 2				

Additives in kg: Caustic 50 kg; BCL 19 SACS; KCL 12 SACS; VIS CHEM IBAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1160; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 APRIL 10; 2 " ; 3 "

Remarks: CHECK FIRE EXTINGUISHER OK; CHECK B.O.P.S

SURVEYS

Depth m	°	Depth m	°
1034	4°		
1044	4°		

Crown Stopper Checked? Yes | Reset? Yes | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6486	224268	0	0	7150	1458	CLEAR	GOOD

Start	Stop	Intvl	
00:00	9:00	9:00	DRILL 216 MM HOLE
9:00	9:50	50	SURVEY + RIG SERV + B.O.P.S
9:50	13:75	3:25	DRILL
13:75	14:25	50	SURVEY
14:25	15:50	1:25	DRILL
15:50	16:00	50	POLL OUT OF HOLE

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes ✓ No | Driller's Signature Raymond Berube

From	To	Metres
1045	1054	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
13	216	F4	3x9.5	BD5379	4000	350	24 m	9.4	—	—		4	3	2mm
14	216	J22	~~3x9.5~~	41497	5000	80	9	4.50		.50	75	DRL G		

Drilling Assembly (At End of Tour)

No.		
1	BIT	1.65 m
3	STABS	3.68 m
1	S.C.	8.63 m
1	STABS	5.19 m
1	X-O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
30	Stands DP	m
1	Singles DP	856.45 m
	Kelly Down	9.68 m
	Total	1054 m

Force of String 49 000 daN

MUD	10:00	12:00	14:00
Density kg/m³		1055	1055
Viscosity s/L		55	65
Filtrate cm³			
pH		11.5	11.5
Press kPa Pump 1			5000
Press kPa Pump 2		4000	
S.P.M. Pump 1			95
S.P.M. Pump 2		50	

Additives in kg: Polymer 1 Pail; KCL 12 SXS

Desilter / Desander: Hours Operated 4 H; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 April 10; 2 " ; 3 "

Remarks: VISCHEM 1 sac; GREASE BLOCK + CROWN

SURVEYS

Depth m	°	Depth m	°

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6456	224268	0	0	7150	1458	SUNNY	GOOD

Start	Stop	Intvl	
8:00	9:50	1:50	FINISH - PULL - OUT - OF - HOLE
9:50	10:00	50	LAY DOWN - TURB - DRILL
10:00	11:00	1:00	RUN - IN - HOLE
11:00	11:50	50	BREAK - CIRC - REAMING
11:50	16:00	4:50	DRILL 216 M. M. HOLE
			RIG SERV. - CONN. - BOPS

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature [illegible]

From	To	Metres
1054	1070	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
14	216	J22		41497	5,000	80	25	11.50						

Drilling Assembly (At End of Tour)

No.		
1	BIT	1.65 m
3	STABS	5.68 m
1	S.C.	8.63 m
1	STABS	5.19 m
1	X-O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
31	Stands DP	875.70 m
	Singles DP	m
	Kelly Down	6.43 m
	Total	1070 m

Force of String 49,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040	1040	1050
Viscosity s/L	63	65	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	5500	6000	6000	5600
Press kPa Pump 2				
S.P.M. Pump 1	95	95	95	95
S.P.M. Pump 2				

Additives in kg: KCL 12 SXS; 22 Gel 5 SXS; VISCHEM 1 P.

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: 1 April-10; 2 " " ; 3 " "

Remarks

SURVEYS

Depth m	°	Depth m	°
1056 m	4°		

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6456	224268	0	0	7150	1458	Clear	Good

Start	Stop	Intvl	
16:00	16:75	0:75	Drill 216mm Hole
16:75	17:25	0:50	Survey
17:25	21:00	3:25	Drill 216mm Hole
21:00	21:50	0:50	Survey + Rig Service
21:50	24:00	2:50	Drill 216mm Hole

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 294
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Don Bardwell
Approved by Toolpush: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

Date: Year 81 Month 4 Day 1 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor G. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller J. M. BELANGER	8
Derrick S. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By: Ray Berube
Subject: HELD BLOW OUT DRILL

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18770

Rig No. 6 | Well Name SOQUIPP PETROFINA BAIE DE GASPE 1H

Pump No. 1 ▶ NATIONAL 8 P80 | Liner Size mm 159 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 25

Date 81 3 31 (Year Month Day) | Rig No. 6

From	To	Metres
1001	1011	10

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR 1	216	J22	3-9.5	41497	5000	80	10	3.50				D	R2	6
~~1~~ 1	RUN AN 1001													

Drilling Assembly (At End of Tour)

No.			
1	SR3	1.65	m
3	STABS	3.68	m
1	S.Q.	8.63	m
1	STABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DP	167.95	
	Singles DC		m
39	Stands DP	818.49	m
	Singles DP		m
	Kelly Down	4.64	m
	Total	1011	m

Force of String 47000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³			1040	1040
Viscosity s/L	T		63	57
Filtrate cm³	R			
pH	I		11.5	11.5
Press kPa Pump 1	P			
Press kPa Pump 2			5000	5000
S.P.M. Pump 1				
S.P.M. Pump 2			50	50

Additives in kg: VIS CHEM 1 Bal

Desilter / Desander: Hours Operated 5 HRES; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min 12 LITRE; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change APRIL-10

Remarks: Change heads & liners NW8 P80 to 6 1/4" liners

SURVEYS: Depth m 1009 | ° 4½ | Depth m

Crown Stopper Checked? Yes | Reset? Yes | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3,376	224268	0	0	7150	1459	SNOW	GOOD

Time Start	Stop	Intvl	
0000	1:25	1.25	PULL OUT OF HOLE
1:25	1:75	.50	LAY DOWN DYNA DRILL + MONIEL
1:75	3:00	1.25	RUN IN HOLE W S.Q STABS
3:00	4:00	1.00	REAM FROM 981M TO 1001M
4:00	6:50	2.50	DRILL 216 MM HOLE
6:50	7:00	.50	SURVEY + RIG SERV
7:00	8:00	1.00	DRILL

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JOC DUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1011	1021	10

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
~~RR 1~~	216	J22	3/9.5	41497	5000	80	20	6.00			100	4	4	03 MM
RR 1														

Drilling Assembly (At End of Tour)

No.			
1	SR3	1.65	m
3	STABS	3.68	m
1	S.Q.	8.63	m
1	STABS	5.19	m
1	X.O.	0.77	m
1	TURBINE	7.38	m
1	X.O.	0.32	m
			m
6	Stands DC	167.95	m
	Singles DC		m
39	Stands DP	818.49	m
	Singles DP		m
	Kelly Down	7.04	m
	Total	1021.00	m

Force of String 48,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050			
Viscosity s/L	54			
Filtrate cm³	T			
pH	11.5			
Press kPa Pump 1	R			
Press kPa Pump 2	5000			
S.P.M. Pump 1				
S.P.M. Pump 2	50			

Additives in kg: CaCl 135 XS; KCL 55 XS; 1 gallon VISCHEM

Desilter / Desander: Hours Operated 7; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change April 10

Remarks: CLEAN + DUMP + SHAKER BOX; CLEAN + DUMP + SHAKER TANK; CLEAN + DUMP + TANK 1+2

SURVEYS: Depth m 1018 | ° 4¼ | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4382	224268	0	0	7150	1459	SUN	GOOD

Time Start	Stop	Intvl	
8:00	10:00	2.00	DRILL 216 M.M. HOLE
10:00	10:50	.50	SURVEY. RIG SERVICE
10:50	11:00	.50	DRILL
11:00	13:	2.00	PULL OUT OF HOLE
13:00	14:00	1.00	PICK UP BIT DRILL. AND SERVICES
14:00	16:00	2.00	RUN IN HOLE

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. Bélanger

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor A. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
1021	1029	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR 1	5¾	7	1	81132	4000		0	[illegible]						
		TD394						1.00						
F4	216	SMITH		BD5379	4000		8	2:75						

Drilling Assembly (At End of Tour)

No.			
1	BIT SR3	1.65	m
3	STABS	3.68	m
1	SQ	8.63	m
1	STABS	5.19	m
1	XO	0.77	m
1	Dyna	5.98	m
1	XO	0.31	m
1	XO	0.42	m
6	Stands DC	167.95	m
	Singles DC		m
29	Stands DP	827.87	m
1	Singles DP		m
	Kelly Down	6.55	m
	Total	1029	m

Force of String 48,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1045			1045
Viscosity s/L	70			70
Filtrate cm³				
pH	11.5	TRIP		11.5
Press kPa Pump 1	10000			4000
Press kPa Pump 2				
S.P.M. Pump 1	140			110
S.P.M. Pump 2				

Additives in kg: 13 KCL 5 XS; VISCHEM 1 GALL

Desilter / Desander: Hours Operated 4 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 — Next Oil Change April-10 " - "

Remarks: Close Blind rams & open pipe rams

45 dollars HUILE 10W 205

SURVEYS: Depth m | ° | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5388	224268	0	0	7150	1458	Clear	Good

Time Start	Stop	Intvl	
16:00	17:00	1.00	Drill 216mm Hole
17:00	:	.	Trip out + lay down turbo
:	:	.	Drill + Pick up Dyna Drill
:	21:25	4.25	Run in + Break circulation
21:25	24:00	2.75	Drill 216mm Hole
	Total	8.00	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Frank Turriff

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim. Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
To	K.B. Used	Sx	
	Cem Plus	%	
	Plug Down @	hrs	
	m³ Returns		

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today BOTTOM TANK 384
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative
Approved by Toolpusher

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18769

Rig No. 6 | Well Name SOQUIP PETROFINA BOIS DE GASPE NORD 1A

Pump No. 1 ▶ NATIONAL 8P80 | Type | Liner Size mm 177 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406
Location GASPE | Report Number 24

From	To	Metres
976	987	6

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	9	216	J22	3/9.5	41497	5,000	80	67	30.25			100	2	2	I
	10	216	BOART	0	81132	2,000		1	1.75						
	RUN IN AT 980														

No.	Drilling Assembly (At End of Tour)	
1	Bit SUB	0.67 m
1	DYNADRILL	5.98 m
1	MONEL	8.89 m
1	JARS	5.19 m
1	KICKSUB	0.37 m
1	X.O	0.42 m
1	X.O	0.77 m
		m
9	Stands DC	m
1	Singles DC	64.89 m
31	Stands DP	m
7	Singles DP	883.57 m
	Kelly Down	12.20 m
	Total	982.89 m

Force of String 38,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040			1045
Viscosity s/L	63			65
Filtrate cm³				
pH	11.5			11.5
Press kPa Pump 1	6,000			
Press kPa Pump 2				
S.P.M. Pump 1	120			
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 KG

Desilter / Desander: Hours Operated 3 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 APRIL-10; 2 "; 3 "

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked? Yes | Reset? Yes | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2189	224268	0	0	7150	1459	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

Time Start	Stop	Intvl	
00:00	1:25	1:25	DRILL 216 MM HOLE
1:25	1:75	:50	SURVEY
1:75	3:00	1:25	PULL OUT OF HOLE
3:00	:	.	PICK UP DYNA DRILL
:	4:00	1:00	SERVICE UP SAME
4:00	:	.	RUN IN HOLE
:	5:50	1:50	PICK UP 10 SINGLE PIPE
5:50	5:75	:25	BREAK CIRC
5:75	7:00	1:25	DYNA DRILL
7:00	7:50	:50	SURVEY ORIENT
7:50	8:00	:50	DYNA DRILL
:	:	.	
7:00	22	8	

From	To	Metres
982	992	10

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	10	216	TB593	0	81132	2000	0	11	9.25				DAL		5
		8 13/32				4000									

No.	Drilling Assembly (At End of Tour)	
1	SUB	0.67 m
1	DYNADRILL	5.98 m
1	MONEL	8.89 m
1	JARS	5.19 m
1	KICKSUB	0.37 m
1	X.O.	0.42 m
1	X.O.	0.77 m
		m
3	Stands DC	m
1	Singles DC	64.89 m
31	Stands DP	979.39 m
3	Singles DP	892.39 m
	Kelly Down	12.20 m
	Total	992.00 m

Force of String 38,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060	1060	1055
Viscosity s/L	75	70	73	72
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4,333	4,333	4,000	4000
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: KCL 15 SXS; POLYMER 1 PAIL; GEL 14 SXS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April 10; 2 " ; 3 "

Remarks: CLEAN + DUMP SUCTION TANK; CLEAN + DUMP PILL TANK

SURVEYS: Depth m 992 | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2189	224268	0	0	7150	1459	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature

Time Start	Stop	Intvl	
8:00	15:50	7:50	DRILL WITH DYNA DRILL
15:50	16:00	.	SURVEY. RIG SERVICE
:	:	.	
:	:	.	
:	:	.	
:	:	.	
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From	To	Metres
992	1001	9

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	10	216	TB593	0	81132	4000		20	16.75						

No.	Drilling Assembly (At End of Tour)	
1	Bit SUB	0.67 m
1	DYNA	5.98 m
1	Monel	8.89 m
1	JARS	5.19 m
1	Kicksub	0.37 m
1	XO	0.42 m
1	XO	0.77 m
		m
2	Stands DC	m
1	Singles DC	64.89 m
32	Stands DP	902.37 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	1001.69 m

Force of String 38,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1055	1050	1050
Viscosity s/L	75	70	70	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	4000	4000	4300
Press kPa Pump 2				
S.P.M. Pump 1	140	140	140	140
S.P.M. Pump 2				

Additives in kg: 10 KCL 5 XS; 21 [illegible] 5 XS; 50 KG CAUSTIC; SCALE INHIBITOR 2 Gallon

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1080; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 1 April-10; 2 April-10; 3 April-10

Remarks

SURVEYS: Depth m 1001 3/4 NSIE | Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3376	224868	0	0	7150	1459	OVER CAST	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature

Time Start	Stop	Intvl	
16:00	23:50	7:50	Drill with Dyna Drill
23:50	24:00	:50	Survey & Rig Service
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
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BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM TANK 1911 | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative

Approved by Toolpush Gerard Quimet

Date: Year 81 Month 3 Day 30 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease L. BERGEVIN	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18768

Rig No. 6 | Well Name SOQUIP-PETROFINA BAIE DE GASPÉ NORD 1A | Location GASPE | Report Number 23

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

Date Year	Month	Day	Rig No.
81	3	29	6

From	To	Metres
923	936	13

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	9	216	J22	3-9.5	41497	5000	65	22	13.50			100	D	R	2
	IN	AT	914												

Drilling Assembly (At End of Tour)

No.		
1	Bit S.R.3	1.65 m
3	STAB	3.68 m
1	S.D	8.63 m
1	JARS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
26	Stands DP	m
1	Singles DP	742.64 m
	Kelly Down	5.49 m
	Total	936 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1060	1060	1060	1065
Viscosity s/L	68	62	62	67
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6,000	6,000	6,000	6,000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 25 KG / Gel 18 SACS. / VIS CHEM I Pal

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1050; Flow Rate L/min 12 L; Pressure kPa

Motor Hours		Next Oil Change
1	8	April-10
2	8	"
3	8	"
4		
5		
6		

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1176	224268	0	0	7150	1459	CLEAR	GOOD

Force of String 46,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

Time Start	Stop	Intvl	
00:00	8:00	8:00	DRILL 216MM HOLE

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
936	957	21

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	9	216	J22	3-9.5	41497	5000	90	43	21			100	D	R	G

Drilling Assembly (At End of Tour)

No.		
	Bit	m
		m
1	SR3	1.65 m
3	STABS	3.68 m
1	S.D.	8.63 m
1	JARS	5.19 m
1	X.O.	0.77 m
		m
6	Stands DC	167.95 m
	Singles DC	m
57	Stands DP	761.50 m
	Singles DP	m
	Kelly Down	7.63 m
	Total	957.00 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1060	1060		1060
Viscosity s/L	70	64		75
Filtrate cm³	-			
pH	11.5	11.5		11.5
Press kPa Pump 1				
Press kPa Pump 2	6000	6250		6000
S.P.M. Pump 1		120		180
S.P.M. Pump 2	45			

Additives in kg: KCL 15 SACS

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1090; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours		Next Oil Change
1	8	April/10
2	8	"
3	8	"
4		
5		
6		

Remarks

SURVEYS: Depth m 947 ° 53¼ | Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1176	224268	0	0	7150	1459	CLOUDY	GOOD

Force of String 46,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes X No | Driller's Signature [illegible]

Time Start	Stop	Intvl	
8:00	10:00	2:00	DRILL 216 MM HOLE
10:00	10:50	50	SURVEY. RIG SERVICE.
10:50	16:00	5:50	DRILL

TOUR ② 08:00 - 16:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
957	976	19

BITS	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	9	216	J22	3/9.5	41497	5000	90	62	29						

Drilling Assembly (At End of Tour)

No.		
1	Bit SR3	1.65 m
3	STABS	3.68 m
1	SD	8.63 m
1	JARS	5.19 m
1	XO	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
	Stands DP	780.68 m
	Singles DP	m
	Kelly Down	7.45 m
	Total	976 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1060	1050	1050
Viscosity s/L	66	65	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	6000	6000	5500	5800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 21 Gels x5 / 50 KG CAUSTIC / VIS CHEM I Pal

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours		Next Oil Change
1	8	April-10
2	8	April-10
3	8	April-10
4		
5		
6		

Remarks: 45 Gallons LOW shale

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1176	224268	0	0	7150	1459	OVER CAST	Good

Force of String 46,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

Time Start	Stop	Intvl	
16:00	24:00	8:00	Drill 216mm Hole (Rig Service)

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor S. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: T. Turriff
Subject: When Working on Fork lifts Remove Key so it can't
Given By: Be started
Subject:

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 top TANK FULL
Fuel Rec'd Today Bottom 19"
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: [illegible]

Approved by Toolpush: Gerard Ouellet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc. O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18767

Rig No. 6 | Well Name: Soquip-PÉTRO-FINA BAIE DE GASPÉ NORD I | Location: GASPÉ | Report Number 22

Date: Year 81 Month 3 Day 28 | Rig No. 6

Pump No. 1 ▶ NATIONAL 8P80 | Type | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ EMSCO D700 | Type | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
893	906	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
8	216	555	1-10.3 2-9.5	46786	7000	70	48	25.50			90		DR	6
IN 858														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STAB 5	3.68	m
1	S.D	8.63	m
1	3 ARS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
25	Stands DP		m
5	Singles DP	713.95	m
	Kelly Down	4.18	m
	Total	906	m

Force of String 45.000 daN

MUD	00:00	02:00	04:00	08:00	Additives in kg	Desilter / Desander		Motor Hours	Next Oil Change
Density kg/m³	1070	1065	1070	1070	CAUSTIC 50 kgs	Hours Operated	8 HRS	1 8	April 10
Viscosity s/L	65	66	67	68	GEL — 5 SACS	U.F. Density kg/m³	1110	2 8	April 10
Filtrate cm³						O.F. Density kg/m³	1065	3 8	April 10
pH	11.5	11.5	11.5	11.5		Flow Rate L/min	12L	4	
Press kPa Pump 1	4500	4200	4200	4200	VISCHEM 1 GAL	Pressure kPa		5	
Press kPa Pump 2					Remarks			6	
S.P.M. Pump 1	120	120	120	120					
S.P.M. Pump 2									

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	224268	0	0	7150	1459	clear	GOOD

Start	Stop	Intvl	Report
0000	8:00	8	DRILL 216 mm HOLE
			TOTAL 8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland A. BÉDARD

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉDARD	8
Derrick Y. CARON	8
Motor P. TOUSIGNANT	8
Floor C. Bérubé	8
Floor S. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
906	914	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
8	216	555	1-10.3 2-9.5	46786	7000	70	56	32.25				2	1	I

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STAB	3.68	m
1	S.D	8.63	m
1	3 ARS	5.19	m
1	X.O	0.77	m
			m
6	Stands DC	167.95	m
	Singles DC		m
25	Stands DP		m
5	Singles DP	713.95	m
	Kelly Down	12.30	m
	Total	914.00	m

Force of String 45.000 daN

MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander		Motor Hours	Next Oil Change
Density kg/m³	1055	1055	1050	1060	GEL 20 SACS	Hours Operated	8	1 8	APRIL-10
Viscosity s/L	60	62	61	71	Caustic 25 kg	U.F. Density kg/m³	1130	2 8	" "
Filtrate cm³					KCL 10 SACS	O.F. Density kg/m³	1050	3 8	" "
pH	11.5	11.5	11.5	11.5	POLYMERIPAC	Flow Rate L/min	12L	4	
Press kPa Pump 1	3500	3500	3500	3500	VIS CHEM 1 GAL	Pressure kPa		5	
Press kPa Pump 2					Remarks			6	
S.P.M. Pump 1	120	120	120	120				8	
S.P.M. Pump 2									

SURVEYS: Depth m 913 ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	0	224268	0	0	7150	1459	SUNNY	GOOD

Start	Stop	Intvl	Report
8:00	14:75	6.75	DRILL 216 MM HOLE
14:75	15:00	.25	DROPPED SURVEY
15:00	16:00	1.00	PULL OUT OF HOLE

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor Q. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
914	923	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
9	216	522	3/9.5	41497	5000	70	9	5.50			100	D	RL	6
RUN IN: 914														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
3	STAB	3.68	m
1	S.D	8.63	m
1	3 ARS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
25	Stands DP		m
7	Singles DP	723.41	m
	Kelly Down	12.30	m
	Total	923.48	m

Force of String 46.000 daN

MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander		Motor Hours	Next Oil Change
Density kg/m³			1070	1070	KCL 10 SACS	Hours Operated	5	1 8	April 10
Viscosity s/L			88	75		U.F. Density kg/m³	1130	2 8	
Filtrate cm³						O.F. Density kg/m³	1050	3 8	
pH			11.5	11.5		Flow Rate L/min	12L	4	
Press kPa Pump 1	TRIP		6000	6000	VISCHEM 1 gal	Pressure kPa		5	
Press kPa Pump 2					Remarks			6	
S.P.M. Pump 1			120	180					
S.P.M. Pump 2									

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1126	224268	0	0	7150	1459	CLEAR	GOOD

Start	Stop	Intvl	Report
14:00	16:50	.50	FINISH PULL OUT OF HOLE
16:50	17:00	.50	CHANGE ROLLER ON SR3
17:00	18:25	1.25	RUN IN HOLE
18:25	18:50	.25	REAMING FROM 904 TO BOTTOM
18:50	24:00	5.50	DRILL 216 MM. HOLE

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. M. Bélanger

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today Bottom 1m | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpush

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18766

Rig No. 6 | Well Name: 50 equip pétro FINA BAIE de GASPE NORD I | Location: GASPE

Pump No. 1: NATIONAL 8P80 | Liner Size mm: 127 | Stroke Length mm: 216
Pump No. 2: EMSCO D700 | Liner Size mm: 140 | Stroke Length mm: 406

Date: Year 81 Month 3 Day 27 | Rig No. 6

Day 1

From	To	Metres
858	865	7

BITS: No. 8 | Size mm 216 | Type 355 | Jets mm 1-10.3, 2-9.5 | Serial No. 46786 | Force daN 6000 | RPM 75 | Metres 7 | Hrs. 250 | Ream | Hrs. | Torque 170 | T 4 | B 3 | G 1 | 100 DRLG | IN 858

Drilling Assembly (At End of Tour):
1 Bit SR3 1.65 m
1 3 STABS 3.68 m
1 S.O. 8.63 m
1 3 SARS 5.19 m
1 X.O 0.77 m
6 Stands DC 167.95 m
Singles DC
23 Stands DP
3 Singles DP 667.10 m
Kelly Down 10.03 m
Total 865 m

Force of String 44.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				1030
Viscosity s/L				62
Filtrate cm³				
pH				11.5
Press kPa Pump 1				3500
Press kPa Pump 2				
S.P.M. Pump 1				120
S.P.M. Pump 2				

Additives in kg: KCL 7 SACS; CAUTIC 50 kgs; VISCHEM 1 gal

Desilter / Desander: Hours Operated 3 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 | Next Oil Change: april 10

Remarks: change corosion Rings

Surveys: Depth m | Depth m

Crown Stopper Checked? OK | Reset? OK | Kelly Cock Checked? OK | Rig Savers Checked? OK

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 224268 | Slipped (m) 15 m | Cut 15 m | Next Slip 7150 | Temp. 1459 | Weather clear | Roads GOOD

Report Number 21

Operations	Start	Stop	Intvl
pull out HOLE	00:00	1.75	1.75
drop stabilisation change	1.75	:	.
stabilisation place lay down	:	:	.
S.O pick up new S.O	:	:	.
change bits nm collars in HOLE	:	3.50	1.75
slip cut line	3.50	4.50	1.00
finish run pipe in HOLE	4.50	:	.
Reaming To Bottom	:	:	.
break circulation	:	5.50	1.00
DRILL 216 mm HOLE	5.50	8.00	2.50
	:	TOTAL	8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature: Roland Bédard

Day 2

From	To	Metres
865	880	15

BITS: No. 8 | Size mm 216 | Type 355 | Jets mm 1-10.3, 2-9.5 | Serial No. 46786 | Force daN 6000, 7000 | RPM 70 | Metres 22 | Hrs. 10 | Ream | Hrs. | Torque 100 | T D | B R2 | G

Drilling Assembly (At End of Tour):
1 Bit SR3 1.65 m
3 STAB 3.68 m
1 S.O. 8.63 m
1 3 SARS 5.19 m
1 X.O 0.77 m
6 Stands DC 167.95 m
Singles DC
34 Stands DP
1 Singles DP 685.59 m
Kelly Down 6.54 m
Total 880 m

Force of String 44,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1040	1040	1050	1050
Viscosity s/L	70	72	68	74
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3500	3500	3500	3500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 2 kg; KCL 15 SACS; POLYMER 1 PAIL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 | Next Oil Change: april-10; 11; 11

Remarks: VISCHEM 1 GAL

Surveys: Depth m 867 | 3/4 | Depth m

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 224268 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1459 | Weather CLOUDY | Roads GOOD

Operations	Start	Stop	Intvl
DRILL 216 mm HOLE	8:00	9:00	1.00
SURVEY + RIG SERV	9:00	9:50	.50
DRILL	9.50	16:00	6.50
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	TOTAL	8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature: Raymond Bérubé

Day 3

From	To	Metres
880	893	13

BITS: No. 8 | Size mm 216 | Type 355 | Jets mm 1-10.3, 2-9.5 | Serial No. 46786 | Force daN 7000 | RPM 70 | Metres 3.5 | Hrs. 1.50 | Ream | Hrs. | Torque 100 | T DRLG | B | G

Drilling Assembly (At End of Tour):
1 Bit SR3 1.65 m
3 STABS 3.68 m
1 S.O. 8.63 m
1 3 SARS 5.19 m
1 X.O. 0.77 m
6 Stands DC 167.95 m
Singles DC
34 Stands DP
2 Singles DP 695.27 m
Kelly Down 9.96 m
Total 893 m

Force of String 45.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060	1060	1060	1060
Viscosity s/L	77	71	72	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3500		3800	3800
Press kPa Pump 2		3500		
S.P.M. Pump 1	120		120	120
S.P.M. Pump 2		50		

Additives in kg: POLYMER 1 PAIL; KCL 15 SACS; CAUSTIC 25 KG; GEL 7 SACS; VISCHEM 1 gal

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1040; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6 | Next Oil Change: april 10; 11; 11

Remarks

Surveys: Depth m 885 | 5 | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 224268 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1459 | Weather CLEAR | Roads GOOD

Operations	Start	Stop	Intvl
DRILL 216 mm HOLE	16:00	19:50	3.50
SURVEY. RIG SERVICE	19:50	20:00	.50
DRILL	00:00	24:00	4.00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs | BOP Drill Yes X No | Driller's Signature: J.M. Bélanger

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. Bédard	8
Derrick Y. CARON	8
Motor P. TOUSIGNANT	8
Floor C. Bérubé	8
Floor S. Bérubé	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME. I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP THERE FULL | Fuel Rec'd Today Bottom 130 M | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Gen Tessier

Approved by Toolpusher: Gerard Quimet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.
	114	E	1					

Drill Collars on Loc.: O.D. mm 171 | No. 6 | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18765

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPÉ NORD 1 | Location GASPE | Report Number 20

Date: Year 81 Month 3 Day 26 | Rig No. 6

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm | Stroke Length mm 127 - 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
816	831	16

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.65 m
4	STABS	4.95 m
1	SD	7.54 m
1	STABS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
23	Stands DP	m
1	Singles DP	639.03 m
	Kelly Down	2.92 m
	Total	831 m

Force of String 39.000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
7	216	544	1-10.3 2-9.5	66115	6000 5000	80 80	73 73	31.75			100		DRLG	

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1035	1035	1040	1035
Viscosity s/L	60	66	65	65
Filtrate cm³				
pH	11.5	11.5	11.6	11.5
Press kPa Pump 1	3200	3200	3200	3200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 8 SACS; CAUTIS 50 kgs; VISCHEM 1 gal

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1040; Flow Rate L/min 12 LITRE; Pressure kPa

Motor Hours: 1 8 April 10; 2 8 April 10; 3 8 April 10; 4; 5; 6

Remarks: FINA 75 GALLONS 220 GIGRAN; 55 GALLONS SCAVENGER; check shuff off motor (OK)

SURVEYS Depth m	°	Depth m	°
829	4½		

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6958	215916	0	0	7150	1474	clear	GOOD

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	00:00	6:30	6.50
SURVEY RIG SERVICE	6:30	6:80	.50
DRILL	6:75	8:	1.25

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

INJURIES - COMPLETE BELOW

TOUR ① 00:00 - 08:00

		Hrs.
Driller	R. Bédard	8
Derrick	Y. CARON	8
Motor	P. TOUSIGNANT	8
Floor	C. Bérubé	8
Floor	S. BÉRUBÉ	8
Lease		
Other		
Assistant Derrick		

From	To	Metres
831	842	11

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.65 m
4	STABS	4.95 m
1	S.D.	7.54 m
1	STABS	5.19 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
23	Stands DP	648.48 m
	Singles DP	m
	Kelly Down	5.47 m
	Total	842 m

Force of String 39,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
7	216	544	1-10.3 2-9.5	66115	6000	70	84	39.75			100		DRLG	

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1040	1040	1050	1050
Viscosity s/L	64	60	72	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3200	3200	3200	3200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACS; POLYMER 1 PAIL; CAUSTIC 25 KG; MEL 19 SACS; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 APRIL 10; 2 8; 3 8; 4; 5; 6

Remarks: CHECK HYDRIL + PIPE RAMS; CLEAN CHEKER TANK OK

SURVEYS Depth m	°	Depth m	°
839	4½		

Crown Stopper Checked ? — | Reset ? — | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6958	215916	0	0	7150	1474	SUNNY	GOOD

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	8:00	13:50	5.50
SURVEY + RIG SERV + B.OPS	13:50	14:00	.50
DRILL	14:00	16:00	2.00

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUET	8
Motor	G. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease	S. BERUBE	8
Mechanic	C. BLANCHET	8
Assistant Derrick		

From	To	Metres
842	858	16

No.	Drilling Assembly (At End of Tour)	
1	Bit SR3	1.65 m
4	STABS	4.95 m
1	S.D.	7.54 m
1	STABS	5.19 m
1	X.O.	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
23	Stands DP	m
1	Singles DP	657.80 m
	Kelly Down	1.20 m
	Total	858.07 m

Force of String 39.000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
7	216	544	1-10.3 2-9.5	66115	6000 7000	70 75	100	46.75			100		DRLG	

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1060	1060
Viscosity s/L	66	70	72	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3200	3200	3500	3500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GER 145 SKS; KCL 8 SKS; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8 APRIL 10; 2 8 ////; 3 8 ////; 4; 5; 6

Remarks

SURVEYS Depth m	°	Depth m	°
858	5½		

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6958	215916	0	0	7150	1474	CLEAR	GOOD

Time	Start	Stop	Intvl
DRILL 216 m.m. HOLE	16:00	23:50	7.50
SURVEY. RIG. SERVICE	23:50	24:00	.50

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J. M. Belanger

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZE	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 Top Tank Full; Fuel Rec'd Today Bottom 0.75M; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpusher

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18764

Rig No. 6 | Well Name Soquip PETRO-FINA BAIE DE GASPÉ NORD I | Location GASPÉ | Report Number 19

Pump No. 1 ▶ NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216 | Pump No. 2 ▶ EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406

Date: Year 81 Month 05 Day 25 | Rig No. 6

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
762	784	22	7	216	544	1-10.3 2-9.5	66115	5000	65	26	8.75			75		DRL	
			IN 758														

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
4	STABS	4.95	m
1	SQ	7.54	m
1	SBR	5.19	m
1	X-O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
2	Stands DP	392.23	m
2	Singles DP	382.76	m
	Kelly Down	3.72	m
	Total	784	m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	75	70	65	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3100	3100	3300	3100
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 10 SACKS; CAUSTIC 50 Kg; INHIBITOR 2 GALS

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26

Remarks

SURVEYS: Depth m 783 | ° 4 1/8 | Depth m | °

Crown Stopper Checked? OK | Reset? OK | Kelly Cock Checked? OK | Rig Savers Checked? OK

Force of String 38000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4333 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 1 | BOP Drill Yes / No | Driller's Signature Roland Bédard

Start	Time Stop	Intvl	Report
00:00	7:00	7:00	DRILL 216 MM HOLE
7:00	7:50	50	Survey Rig Service
7:50	8:00	50	DRILL
	TOTAL	8	

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00 — Hrs.

		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TORRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
784	801	17	7	216	544	1-10.3 2-9.5	66115	5000	65	17.3	16.75					DRL	G

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
4	STABS	4.95	m
1	S.Q.	7.54	m
1	SABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
9	Stands DP		m
1	Singles DP	601.71	m
	Kelly Down	12.20	m
	Total	801.96	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1045	1045	1045	1050
Viscosity s/L	63	60	1/2	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3,000	3,000	3000	3,000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 19 SACS; POLYMER 1 PAIL; KCL 15 SACS; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12 LITRE; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: APRIL-10; "; "

Remarks: CLEAN TANK 4 & 5

SURVEYS: Depth m | ° | Depth m | °

Crown Stopper Checked? | Reset? | Kelly Cock Checked? | Rig Savers Checked?

Force of String 38,000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4333 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather SUNNY | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes / No | Driller's Signature Raymond Berube

Start	Time Stop	Intvl	Report
8:00	16:00	8:00	DRILL 216 MM HOLE

TOUR ② 08:00 - 16:00 — Hrs.

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	G. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease	S. BERUBE	8
Mechanic	C. BLANCHET	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres	BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
801	816	15	7	216	544	1-10.3 2-9.5	66115	5000 6000	65 75	5.8	2.25			75		DRL	G

Drilling Assembly (At End of Tour)

No.			
1	Bit SR3	1.65	m
4	STABS	4.95	m
1	S.Q.	7.54	m
1	SABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
9	Stands DP	720.14	m
	Singles DP		m
	Kelly Down	7.81	m
	Total	816.00	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	63	72	70	76
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	3300	3300	3200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 8 SKS; CAUSTIC 25 KG; GEL 125 SKS; VISCHEM 15 L

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: APRIL-10; "; "

Remarks

SURVEYS: Depth m 801 | ° 4 1/8 | Depth m | °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Force of String 39,000 daN

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 4333 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather CLEAR | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X / No | Driller's Signature J. Belanger

Start	Time Stop	Intvl	Report
16:00	16:50	50	SURVEY. RIG SERVICE
16:50	24:00	7:50	DRILL

TOUR ③ 16:00 - 24:00 — Hrs.

		Hrs.
Driller	J.M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP TANK FULL
Fuel Rec'd Today Bottom 0.254
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental)

To / From	Trans #

Approved by Operator's Representative: J. Bruno Lespérance

Approved by Toolpush: Gerard Drinnel

Drill Pipe Record

Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.

O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18763

Rig No. 6 | Well Name Soquip PÉTRO-FINA BAIE DE GASPÉ NORD I

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 140 | Stroke Length mm 406
Location GASPÉ | Report Number 18

Date: Year 81 Month 3 Day 24 | Rig No. 6

From	To	Metres
726	740	14

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
6	216	S216S	3-9.5	931104	5000	80	~~88~~	19.25			50		DRLG	

IN AT 696

Drilling Assembly (At End of Tour)

No.		
1	Bit N.B.S	1.20 m
3	STABS	3.15 m
1	S.D	7.54 m
1	SAR	5.19 m
1	X.O	0.77 m
1	MONEL	8.89 m
		m
		m
6	Stands DC	167.95
	Singles DC	m
19	Stands DP	535.34 m
	Singles DP	m
	Kelly Down	9.37 m
	Total	740 m

Force of String 37,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	70	90	75	63
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3500	3700	3700	3700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 18 SACKS; CAUSTIC 100 Kg; INHIBITOR 2 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MAR 26

Remarks: safety meeting; HELD BLOW out drill

SURVEYS: Depth m 733 | Depth m 40

Crown Stopper Checked? OK | Reset? OK | Kelly Cock Checked? OK | Rig Savers Checked? OK

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6024 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather clear | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	00:00	4:00	4:00
survey Rig service	4:00	4:25	25
DRILL	4:30	8:00	3:75
		TOTAL	8

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
740	753	13

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
6	216	S216S	3-9.5	931104	5,000	75	57	26.75					DRLG	

Drilling Assembly (At End of Tour)

No.		
1	N.B.S	1.20 m
3	STABS	3.75 m
1	S.D	7.54 m
1	SARS	5.19 m
1	X.D	0.77 m
1	MONEL	8.89 m
		m
6	Stands DC	167.95 m
	Singles DC	m
19	Stands DP	m
2	Singles DP	554.27
	Kelly Down	3.30 m
	Total	753 m

Force of String 38,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	~~45~~	80	76	70
Filtrate cm³				
pH	~~10~~ 11.5	11.5	11.5	11.5
Press kPa Pump 1	4,000	4,000	4000	4000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 25 SACS; GEL 19 SACS; POLYMER 1 PAIL; CAUSTIC 25 kg; INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1040; Flow Rate L/min 122; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MARS 26; " "

Remarks: CLEAN & dump tank # 3

SURVEYS: Depth m 752 4 1/8 | Depth m

Crown Stopper Checked? — | Reset? — | Kelly Cock Checked? — | Rig Savers Checked? —

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 6,024 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather CLOUDY | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	8:00	15:00	7:00
SURVEY	15:00	15:50	·50
DRILL	15:50	16:00	·50

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease S. BERUBE	8
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
753	762	9

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
6	216	S216S	3-9.5	931104	5000	75	62	29			100	5	3	0.4 mm
7	216	J44	1-10.3 2-9.5	606115	5000	60	4	1.25			100	DRLG		

RUN IN 758

Drilling Assembly (At End of Tour)

No.		
1	~~BITS~~	1.65 m
4	~~STABS~~	4.93 m
1	S.D.	7.54 m
1	SARS	5.19 m
1	X.O.	0.77 m
1	~~MONEL~~	~~8.89~~ m
		m
6	Stands DC	167.95 m
	Singles DC	m
20	Stands DP	563.51 m
	Singles DP	m
	Kelly Down	10.89 m
	Total	762 m

Force of String 38,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050		1050
Viscosity s/L	81	76	T	87
Filtrate cm³			R	
pH	11.5	11.5	R	11.5
Press kPa Pump 1	3800	3800		3800
Press kPa Pump 2				
S.P.M. Pump 1	120	120		120
S.P.M. Pump 2				

Additives in kg: KCL 10 SXS; POLYMER 1 PAIL; CAUSTIC 25 K; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 6; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MARCH 26; " "

Remarks

SURVEYS: Depth m | Depth m

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 9332 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather CLODY | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature J. Bélanger

Time	Start	Stop	Intvl
DRILL 216 mm HOLE	16:00	18:25	2:25
PULL OUT OF HOLE	18:25	19:50	1:25
LAY DOWN MONEL - N.B.S.	19:50		
PICK UP SR3.			
CHANGE BIT. RIG SERVICE		20:00	·50
RUN IN HOLE	20:00	22:00	2:00
REAMING FROM 738 to 758	22:	22:25	·25
DRILL	22:25	24:00	1:25

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BÉLANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1).

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: R. BEDARD

Subject: BLOW OUT CONTROL

Given By:

Subject

BOPS	Tested: Minutes	Tested: Pressure kPa	Checked: Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK Full | Fuel Rec'd Today BOTTOM 0.60 M | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Yves Jessin

Approved by Toolpusher: Gérard Quinet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.
	114	E	1				316	316

Drill Collars on Loc.: O.D. mm 171. | No. 6 | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18762

Rig No. 6 | Well Name SOquip-PETRO-FINA BAIE DE GASPÉ NORD I | Location GASPE | Report Number 17

Date: Year 81 Month 3 Day 23 | Rig No. 6

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127- | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO | Liner Size mm 140 | Stroke Length mm 406

From	To	Metres
681	694	13

No.	Drilling Assembly (At End of Tour)		
1	Bit NBS	1.20	m
3	STABS	3.75	m
1	SC	7.54	m
1	SARS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
17	Stands DP		m
1	Singles DP	497.63	m
	Kelly Down	10.07	m
	Total	694	m

Force of String 36,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
5	216	SL4	2-10.3	428 AT	7000	65	63	33			50		DR	6
	IN AT 631		1-9.5											

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1030	1030	1030	1030
Viscosity s/L	71	63	75	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3500	3500	3300	3700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 8 SACKS; GEL —; CAUSTIC 50 Kg; INHIBITER 1 GAL

Desilter / Desander: Hours Operated 7; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAR 26
2	8	MAR 26
3	8	MAR 26
4		
5		
6		

Remarks: 55 GALLONS SCAVENGER. check fire equipement (OK) meeting FOR PRÉVENTION BLOW out

SURVEYS: Depth m 687 3¼ | Depth m

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5147	215916	0	0	7150	1474	clear	GOOD

Time Start	Stop	Intvl	Report
00:00	2:75	2:75	DRILL 216MM HOLE
2:75	3:00	:25	survey Rig service
3:00	8:00	5:00	DRILL
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	TOTAL	8	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

From	To	Metres
694	706	12

No.	Drilling Assembly (At End of Tour)		
1	Bit NBS	1.20	m
3	STABS	3.75	m
1	SC	7.54	m
1	SARS	5.19	m
1	MONEL	8.89	m
1	X.O	0.77	m
			m
6	Stands DC	167.95	m
	Singles DC		m
18	Stands DP	507.14	m
	Singles DP		m
	Kelly Down	3.57	m
	Total	706	m

Force of String 36,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
5	216	SL4	2-10.3	428 AT	7000	65	65	34				4	2	
6	216	5316S	3-9.5	931104	5000	70	10	4					DRL	G
	IN AT 696													

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1030	T	T	1040
Viscosity s/L	65		R	85
Filtrate cm³		R	I	
pH	11.5	I	8	11.5
Press kPa Pump 1	3500	D		3900
Press kPa Pump 2				
S.P.M. Pump 1	120			120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACS; POLYMER 1 PAIL; CAUSTIC 50 KG; GEL 19 SACS; INHIBITER 1 GAL

Desilter / Desander: Hours Operated 6; U.F. Density kg/m³ 1030; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAR 26
2	8	"
3	8	"
4		
5		
6		

Remarks: CLEAN TRACKER TANKS Grease Crown : Block

SURVEYS: Depth m 688 3¾ N50E | Depth m

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6024	215916	0	0	7150	1474	SUNNY	GOOD

Time Start	Stop	Intvl	Report
8:00	9:00	1:00	DRILL 216 MM HOLE
9:00	10:00	1:00	TRIP OUT
10:00	:	:	CHANGE BIT & CHECK STABS
:	:	:	PICK UP MONEL
:	11:50	1:50	RUN IN
11:50	11:75	:25	BREAK CIRC REAM Bottom
11:75	16:00	3:25	DRILL
15:00	15:25	:25	SURVEY
15:25	16:00	:75	DRILL
:	:	:	
:	:	:	
:	:	:	
TOTAL		8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

From	To	Metres
706	726	20

No	Drilling Assembly (At End of Tour)		
1	Bit NBS	1.20	m
3	STABS	3.75	m
1	S.C.	7.54	m
1	SARS	5.19	m
1	MONEL	8.89	m
1	X.O.	0.77	m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
18	Stands DP		m
2	Singles DP	576.01	m
	Kelly Down	4.70	m
	Total	726.00	m

Force of String 37,000 daN

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
6	216	5316S	3/9.5	931104	5000	70	24	11.5			50		DRL	G
						80								

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	70	60	82	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3700	3700	3500	3500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: POLYMER 1 PAIL; KCL 15 SX; GEL 20 SKS; CAUSTIC 25 KG; VISCHEM 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1110; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MARCH 26
2	8	"
3	8	"
4		
5		
6		

Remarks: CLEAN + DUMP + TANK 1+2

SURVEYS: Depth m 714 3¼ | Depth m

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	6024	215916	0	0	7150	1474	CLEAR	GOOD

Time Start	Stop	Intvl	Report
16:00	19:00	3:00	DRILL 216 M.M. HOLE
19:00	19:50	:50	SURVEY. RIG SERVICE
19:50	24:00	4:50	DRILL
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	
:	:	:	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature J.M. Bélanger

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease S. BERUBE	8
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran JTS CSG	
To	K.B.Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00	TOP TANK FULL
Fuel Rec'd Today	BOTTOM 1 Motor
Total	
Fuel @ 23:59	
Fuel Used	

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative

Approved by Toolpusher

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18761

Rig No. 6 | Well Name SOquip - PÉTRO-FINA BAIE-DE GASPÉ NORD I

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 127 | Stroke Length mm 216
Pump No. 2 ▶ Type ENSCO D700 | Liner Size mm 140 | Stroke Length mm 0406
Location GASPÉ | Report Number 16

From	To	Metres
635	653	18

No.	Drilling Assembly (At End of Tour)	
1	Bit NBS	1.20 m
3	STABS	3.75 m
1	SC	7.54 m
1	STABS	5.19 m
1	X.O	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
16	Stands DP	m
9	Singles DP	460.34 m
	Kelly Down	6.36 m
	Total	653 m

Force of String 35.000 daN

BITS: No. 5 | Size mm 216 | Type SL4 | Jets mm 7-10.3 9.5 | Serial No. 428AT | Force daN 4000 5000 | RPM 75 | Metres 22 | Hrs 9.50 | Ream | Hrs | Torque | T | B | G
IN AT 631

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1030	1030	1030	1030
Viscosity s/L	70	60	60	93
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	3000	2800	2800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 38; CAUSTIC 50 Kg; INHIBITER 1 GAL
Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa
Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6
Next Oil Change: MAR 26
Remarks: 45 GALLONS GIRAN 225 EP; 55 GALLONS SCAVENGER; 45 GALLONS HYDRAFLO 32 FINA; 45 GALLONS 80-90 BCARLUB FINA; 45 GALLONS UNIVERSEL 30 FINA

SURVEYS: Depth m 640 | ° 3½ | Depth m | °

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5147	215916	0	0	7150	1474	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

From	To	Metres
653	668	15

BITS: No. 5 | Size mm 216 | Type SL4 | Jets mm 9-10.3 9.5 | Serial No. 428AT | Force daN 6,000 | RPM 75 | Metres 37 | Hrs. 17.50 | Ream | Hrs. | Torque | T D | B R | G 2

No	Drilling Assembly (At End of Tour)	
1	N.B.S	1.20 m
		m
3	STABS	3.75 m
1	S.C	7.54 m
1	STABS	5.19 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
16	Stands DP	m
9	Singles DP	469.83 m
	Kelly Down	12.20 m
	Total	668.33 m

Force of String 36.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1030	1030	1030	1030
Viscosity s/L	71	64	68	105
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2800	2800	2800	4,000
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 50 KG; KCL 25 SACS; POLYMER 1 PAIL; INHIBITER 1 GAL
Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa
Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6
Next Oil Change: MAR 26
Remarks

SURVEYS: Depth m | ° | Depth m | °

Crown Stopper Checked ? — | Reset ? — | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5147	215916	0	0	7150	1474	CLOUDY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No ✓ | Driller's Signature Raymond Bérubé

From	To	Metres
668	681	13

BITS: No. 5 | Size mm 216 | Type SL4 | Jets mm 9/10.3 9.5 | Serial No. 428AT | Force daN 7 | RPM 65 | Metres 50 | Hrs 25.25 | Ream | Hrs | Torque | T | B | G

No.	Drilling Assembly (At End of Tour)	
1	Bit NBS	1.20 m
3	STABS	3.75 m
1	S.C	7.54 m
1	STABS	5.19 m
1	X.O.	0.77 m
		m
		m
		m
4	Stands DC	167.95 m
	Singles DC	m
11	Stands DP	m
1	Singles DP	488.57 m
	Kelly Down	6.13 m
	Total	681.10 m

Force of String 36.000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1030	1030	1030
Viscosity s/L	105	65	80	75
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	4000	3500	3500	3500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: POLYMER 1 Pail; KCL 12 SACS; CAUSTIC 50 KG; VISCHEM 1 GAL
Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1070; O.F. Density kg/m³ 1030; Flow Rate L/min 12 L; Pressure kPa
Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6
Next Oil Change: MARCH 21
Remarks

SURVEYS: Depth m 668 | ° 3½ | Depth m | °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5147	215916	0	0	7150	1474 m	CLEAR	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature Jean Belanger

Time	Start	Stop	Intvl
DRILL 216 m m HOLE	00:00	2.50	2.50
SURVEY Rig SERVICE	2.50	2.75	.25
DRILL	2.75	8.00	5.25
TOTAL			8
DRILL 216 MM HOLE	8:00	16:00	8:00
SURVEY. RIG. SERVICE	16:00	16:25	.25
DRILL 216 M. M. HOLE	16:25	24:00	7.75

Date: Year 81 Month 3 Day 22 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBE	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease S. BERUBE	8
Mechanic C. BLANCHET	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran | JTS | CSG; To | K.B.Used | Sx; Cem Plus | %; Plug Down @ | hrs; m³ Returns

Fuel @ 00:00 TOP TANK FULL; Fuel Rec'd Today Bottom 1.20 CM; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: J. Bruno Tassé
Approved by Toolpush: Gérard Quimet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18760

Rig No. #6 | Well Name SOQUIP-PetroFina

Pump No. 1: National 8P80 | Type | Liner Size mm 127 | Stroke Length mm 206
Pump No. 2: Emsco B-700 | Liner Size mm 140 | Stroke Length mm 406
Location Gaspe | Report Number 15

From	To	Metres
576	602	26

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4	216	M44N	3/10.3	212263	6000	65	50	14						

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.35 m
3	STABS	3.75	m
1	SQ	7.54	m
1	SABS	5.19	m
1	XO	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
14	Stands DP	404.04	m
1	Singles DP		m
	Kelly Down	12.20	m
	Total	602.79	m

Force of String 35,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1040	1040
Viscosity s/L	55	54	55	58
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2600	2600	2600	2300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 18 ~~20~~ SXS

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	Mar. 26
2	8	Mar. 26
3	8	Mar. 26
4		
5		
6		

Remarks: Dumped tanks 4+5

SURVEYS: Depth m 602m ° 3/4 | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4281	215916	0	0	7150	1474	Cloudy	Good

Time	Start	Stop	Intvl
Drill 216mm Hole	24:00	7:25	7.25
Survey	7:25	8:00	0.25
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	: Total		8
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Roland Bédard

From	To	Metres
602	622	20

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4	216	M44N	3/10.3	212263	6000	65	70	22						

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.35 m
3	STABS	3.75	m
1	SQ	7.54	m
1	SABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
14	Stands DP		m
5	Singles DP	432.32	m
	Kelly Down	3.13	m
	Total	622	m

Force of String 35.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1030	1030	1050	1030
Viscosity s/L	55	50	65	90
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2300	2300	2700	2700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 18 SACKS; CAUSTIC 50 Kg; POLYMER 25 Kg; KCL 15 SACKS; S. INHIBITER 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAR 26
2	8	
3	8	
4		
5		
6		

Remarks

SURVEYS: Depth m [illegible] ° | Depth m

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4281	215916	0	0	7150	1474	SUN	GOOD

Time	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	16:00	8
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	: TOTAL		8
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

From	To	Metres
622	635	

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4	216	M44N	3/10.3	212263	6000	60	79	24.75				6	3	1/16 in
5	216	SLH	3/10.3	428 AT	4000	75	4	1.75				DR	B	
IN AT 631				119.5										

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.30 m
3	STABS	3.75	m
1	SQ	7.54	m
1	SABS	5.19	m
1	X.O	0.77	m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
15	Stands DP		m
2	Singles DP	441.59	m
	Kelly Down	7.01	m
	Total	635	m

Force of String 35,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1030		1030
Viscosity s/L	65	61	T	69
Filtrate cm³			R	
pH	11.5	11.5		11.5
Press kPa Pump 1	2700	2700	P	2900
Press kPa Pump 2				
S.P.M. Pump 1	120	120		120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACS; CAUSTIC 25 Kg; GEL ____

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 1/2 LITRE; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAR 26
2	8	"
3	8	"
4		
5		
6		

Remarks: S. INHIBITER 1 GAL

SURVEYS: Depth m 631 ° 3/4 | Depth m

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? — | Rig Savers Checked ? —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	5147	215916	0	6	7150	1474	CLOUDY	GOOD

Time	Start	Stop	Intvl
DRILL 216 MM HOLE	16:00	18:75	2.75
SURVEY x RIG SERV	18:75	19:00	.25
TRIP FOR BIT	19:00	:	.
CHANGE N.B.S x STABS	:	21:75	2.75
REAM BOTTOM	21:75	22:25	.50
DRILL	22:25	24:00	1.75
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	: TOTAL		8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today Bottom 1.62 CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: [illegible]

Approved by Toolpush: Gérard Quinn

Date: Year 81 Month 3 Day 21 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Rim Turriff	8
Floor P. Cayer	8
Floor Luc. Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. Bédard	8
Derrick L. TORRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease S. Bérubé	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor Q. HAMEL	8
Floor M. CHARLAND	8
Floor R. KREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18759

Rig No. # 6 | Well Name SOQUIP-Petro Fina Baie de Gaspe Nord #1

Pump No. 1 ▶ National 8P80 | Liner Size mm 127 | Stroke Length mm 206
Pump No. 2 ▶ Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406
Location | Report Number 14

Day 1

From	To	Metres
505	537	32

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3	216	DMS	3/10.3	851116	7000	60	88	21.75						

Drilling Assembly (At End of Tour)

No.		
1	Bit RS	1.35 m
3	STABS	3.75 m
1	SQ	7.54 m
1	SABS	5.19 m
1	X.O.	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
12	Stands DP	339.78 m
	Singles DP	m
	Kelly Down	13.20 m
	Total	537.93 m

Force of String 33,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	55	60	65	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2300	2300	2300	2300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 50 KG CAUSTIC; 18 pail SXS; Scale inhibitor 1 gal

Desilter / Desander: Hours Operated 8 RPS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: Mar. 26; Mar. 26; Mar. 26

Remarks: 45 Gal. Universal 30 Pump clean Tank NO 3

SURVEYS: Depth m 509m 2 3/4 | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3417	215916	0	0	7150	1474	Over Cast	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Time Start	Time Stop	Intvl	
24:00	0:75	0.75	Drill 216mm Hole
0.75	1:00	0.25	Survey
1:00	8:00	7.00	Drill 216mm Hole
	Total	8	

Day 2

From	To	Metres
537	552	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3	216	DMS	3/10.3	851116	6000	60	103	28.50				6	4	IN

Drilling Assembly (At End of Tour)

No.		
1	Bit RS	1.35 m
3	STABS	3.75 m
1	SQ	7.54 m
1	SABS	5.19 m
1	X.O	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
12	Stands DP	m
1	Singles DP	35.79 m
	Kelly Down	7.51 m
	Total	552 m

Force of String 33.000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1035	1035	1035	1030
Viscosity s/L	60	50	90	60
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2200	2200	2200	2900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL; CAUSTIC 50 Kg; POLYMER 25 Kg; KCL 25 SACKS; S. INHIBITER 2 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26

Remarks

SURVEYS: Depth m 537 3 1/2 | Depth m

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4281	215916	0	0	7150	1474	clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

Time Start	Time Stop	Intvl	
8:00	8:25	.25	Survey Rig service
8:25	15:00	6.75	DRILL 216 mm HOLE
15:00	15:25	.25	DROP survey
15:25	16:00	.75	pull out HOLE
	Total	8.	

Day 3

From	To	Metres
552	576	24

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4	216	MUMM	3/10.3	213263	6000	65	24	6.25				DR	L	8
	IN	@	552											

Drilling Assembly (At End of Tour)

No.		
1	Bit N.B.S	1.35 m
3	STABS	3.75 m
1	S.Q	7.54 m
1	SABS	5.19 m
1	X.O	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
13	Stands DP	m
2	Singles DP	385.44 m
	Kelly Down	4.01 m
	Total	576 m

Force of String 35,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1030	1030	1040
Viscosity s/L	[illegible]	58	65	56
Filtrate cm³	[illegible]			
pH	[illegible]	11.5	11.5	11.5
Press kPa Pump 1	[illegible]	2200	2200	2200
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: Polymer 1 pail; CAUSTIC 25 Kg; KCL 20 SACS.

Desilter / Desander: Hours Operated 7; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1020; Flow Rate L/min 12L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR RS 26; "; "

Remarks: S. INHIBITER 1 GAL

SURVEYS: Depth m 574 3 1/2 | Depth m

Crown Stopper Checked ? Yes | Reset ? Yes | Kelly Cock Checked ? Yes | Rig Savers Checked ? Yes

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	4281	215916	0	0	7150	1474	Cloudy	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Béruble

Time Start	Time Stop	Intvl	
16:00	16:50	.50	TRIP OUT
16:50	:		CHANGE BIT + RUN IN
:	17:50	1.00	BREAK CIRC
17:50	23:00	5.50	DRILL 216 MM HOLE
23:00	23:25	.25	SURVEY + RIG SERV
23:25	24:00	.75	DRILL
	Total	8	

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP Full
Fuel Rec'd Today Bottom 97 CM
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative
Approved by Toolpush Gerard Quimel

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.
	114	E		2			385	385

Drill Collars on Loc: O.D. mm | No. | O.D. mm | No.

Date: Year 81 Month 3 Day 30 | Rig No. #6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller Tony Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc. Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Béruble	8
Lease S. Béruble	8
Mechanic C. Blondette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor G. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18758

Rig No. #6 | Well Name SOQUIP - Petro Fina Baie de Gaspe Nord #1 | Location Gaspe | Report Number 13

Pump No. 1 ▶ National 8P80 — Liner Size mm 127 — Stroke Length mm 206
Pump No. 2 ▶ Emsco D-700 — Liner Size mm 140 — Stroke Length mm 406

Date	Rig No.
Year 81 Month 3 Day 19	#6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

From	To	Metres
430	449	19

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	S816	3/11.9	NCP2551	6,000	65	125	4.25				6	8	IN

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.35 m
2	STABS		2.50 m
1	SB.		7.54 m
1	JARS		5.19 m
1	X.O.		0.77 m
6	Stands DC		167.95 m
	Singles DC		m
9	Stands DP		254.04 m
	Singles DP		m
	Kelly Down		9.66 m
	Total		449 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1030	1030	1040	
Viscosity s/L	55	54	55	
Filtrate cm³				
pH	11.5	11.5	11.5	R/R
Press kPa Pump 1	1900	1800	1800	
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	
S.P.M. Pump 2				

Additives in kg: 25 KG CAUSTIC

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1130; O.F. Density kg/m³ 1030; Flow Rate L/min 12 2; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: Mars 26; Mars 26; Mars 26

Remarks: Clean Tank 1+2; 48 Gallons scavenger; 45 Gallons Huile 220 FINA

SURVEYS: Depth m 442m 2½

Crown Stopper Checked ?	Reset ?	Kelly Cock Checked ?	Rig Savers Checked ?
✓	✓	✓	✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3417	215916	0	0	7150	1474	Snow	Good

Force of String 55,000 daN

Time Start	Stop	Intvl	Drill 216mm Hole
3:00	3:75	3.75	
3:75	4:00	0.25	Survey
4:00	7:00	3.00	Drill 216mm Hole
7:00	8:00	1.00	Trip out
	Total	8.00	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00

		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Béprube	8
Lease	S. BERUBE	8
Mechanic	C. Blanchette	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

From	To	Metres
449	472	23

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3	216	DMJ	3-10-31	851116	7000	60	23	6.25				6	3	IN

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.35 m
3	STABS		3.75 m
1	SB		7.54 m
1	JARS		5.19 m
1	X.O		0.77 m
6	Stands DC		167.95 m
	Singles DC		m
9	Stands DP		m
0	Singles DP		273.35 m
	Kelly Down		13.20 m
	Total		472 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³		1040	1050	1050
Viscosity s/L		60	65	75
Filtrate cm³				
pH		11.5	11.5	11.5
Press kPa Pump 1		2200	2500	2800
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 13 SACKS; CAUSTIC 50 Kg; KCL 15 SACKS; POLYMER 25 Kg; SCALE INHIBITER 1 GAL

Desilter / Desander: Hours Operated 6; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26

Remarks

SURVEYS: Depth m 462 2¾

Crown Stopper Checked ?	Reset ?	Kelly Cock Checked ?	Rig Savers Checked ?
✓	✓	✓	✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3417	215916	0	0	7150		Snow	Good

Force of String 32,000 daN

Time Start	Stop	Intvl	DRILL 216MM HOLE
8:00	8:50	.50	TRIP OUT check stabilisator SK
8:50			change bits PICK UP one
			STABILIZATER Run back in
	9.50	1.00	HOLE Break circulation
9.50	13:50	4.00	DRILL 216 MM HOLE
13:50	13:75	.25	survey Rig Service
13:75	16:00	2.25	DRILL
	Total	8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

---

From	To	Metres
472	505	33

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3	216	DMJ	3/10.31	851116	7,000	60	56	14				D	BLG	

Drilling Assembly (At End of Tour)

No.			
1	Bit	N.B.S	1.35 m
3	STABS		3.75 m
1	S.B		7.54 m
1	JARS		5.19 m
1	X.O		0.77 m
6	Stands DC		167.95 m
	Singles DC		m
11	Stands DP		311.21 m
	Singles DP		m
	Kelly Down		7.24 m
	Total		505 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1045	1045	1050	1050
Viscosity s/L	60	65	60	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2200	2200	2200	2200
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 15 SACS; POLYMER 1 PAIL; GEL 19 SACS; CAUSTIC 50 Kg; SCALE INHIBITER 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1120; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MARS-26; MARS-26; MARS-26

Remarks: SCAVENGER 45 GALLON

SURVEYS: Depth m 481 2¾

Crown Stopper Checked ?	Reset ?	Kelly Cock Checked ?	Rig Savers Checked ?
—	—	—	—

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	3417	215916	0	0	7150	14	RAIN	Good

Force of String 33,000 daN

Time Start	Stop	Intvl	DRILL 216MM HOLE
16:00	17:75	1.75	
17:75	18:00	.25	SURVEY + RIG SERV
18:00	24:00	6.00	DRILL
	Total	8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG; To K.B. Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 TOP FILL; Fuel Rec'd Today Bottom 48 CM; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From; Trans #

Approved by Operator's Representative: Jean Tassé

Approved by Toolpush: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18757

Rig No. #6 | Well Name SOGHP Petro Fina Baie de Gaspe North #1

Pump No. 1 National 8P80 | Liner Size mm 127 | Stroke Length mm 206 | Pump No. 2 Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406 | Location Gaspe | Report Number 12

Date	Rig No.
Year 81 Month 3 Day 8	#6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

Day 1

From	To	Metres
374	392	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	5216	3/11.9	NCP251	5000	65	68	23.75						
1N	324													

Drilling Assembly (At End of Tour)

No.			
1	Bit	NBS	1.35 m
2	Stabs	2STABS	2.50 m
1	SQ		7.54 m
1	Jars	JARS	5.19 m
1	XO		0.77 m
			m
			m
			m
6	Stands DC		167.95 m
	Singles DC		m
7	Stands DP		197.44 m
	Singles DP		m
	Kelly Down		8.94 m
	Total		392 m

Force of String 33,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1020	1020	1040	1040
Viscosity s/L	54	58	64	70
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	1500	1800	1900	1800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 19 sxs; 50 KG caustic

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1070; O.F. Density kg/m³ 1020; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: Mar. 26; Mar. 26; Mar. 26

Remarks

SURVEYS: Depth m 376m; ° 2½

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	25	10	2161	215916	0	0	7150	1474	Rain	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Activity	Start	Stop	Intvl
Drill 216mm Hole	2400	0050	0.50
Survey	0050	0075	0.25
Drill 216mm Hole	0075	8:00	7.25
Total			8.00

TOUR ① 00:00 - 08:00

		Hrs.
Driller	Tony Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	Luc Bergevin	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

Day 2

From	To	Metres
392	404	12

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	5216	3/11.9	NCP251	5000	65	80	31.25					DRL	G

Drilling Assembly (At End of Tour)

No.			
	NBS		1.35 m
	2STABS		2.50 m
1	SQ		7.54 m
1	JARS		5.19 m
1	X.O		0.77 m
			m
			m
			m
6	Stands DC		167.95 m
	Singles DC		m
7	Stands DP		m
8	Singles DP		209.85 m
	Kelly Down		12.20 m
	Total		404 m

Force of String 32,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1030	1030	1020	1020
Viscosity s/L	56	50	53	45
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	1900			
Press kPa Pump 2		3300	2500	2200
S.P.M. Pump 1	120			
S.P.M. Pump 2		44	42	42

Additives in kg: KCL 15 sacks; POLYMER 25 Kg; SCALE INHIBITOR 1 GAL

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1020; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MAR 26; MAR 26; MAR 26

Remarks

SURVEYS: Depth m 404; ° 2¼

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2161	215916	0	0	7150	1474	SNOW	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No | Driller's Signature Roland Bédard

Activity	Start	Stop	Intvl
DRILL 216 MM	8:00	14:45	6.75
survey Rig service	14:45	15:25	.50
DRILL	15:25	16:00	.75
Total			8

TOUR ② 08:00 - 16:00

		Hrs.
Driller	R. BEDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BÉRUBÉ	8
Lease	S. BERUBE	8
Mechanic	C. BLANCHETTE	8
Assistant Derrick		

INJURIES - COMPLETE BELOW

Day 3

From	To	Metres
404	430	26

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	5216	3/11.9	NCP251	6000	65	106	39					DRL	G

Drilling Assembly (At End of Tour)

No.			
1	N.B.S		1.35 m
2	STAB		2.50 m
1	S.Q		7.54 m
1	JARS		5.19 m
1	X.O		0.77 m
			m
			m
			m
6	Stands DC		167.95 m
	Singles DC		m
9	Stands DP		m
1	Singles DP		235.81 m
	Kelly Down		8.89 m
	Total		430 m

Force of String 33,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1020	1020	1040	1040
Viscosity s/L	50	67	58	54
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3300	3300	3300	3300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: KCL 15 KCL; POLYMER 1 PAIL; SCALE INHIBITER 1 Gal; caustic 50kg.; Lil 19 SACS

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1040; Flow Rate L/min 12 Litre; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8

Next Oil Change: MAR 26; ″; ″

Remarks DUMP-CLEAN CHECKER TANK

SURVEYS: Depth m 433; ° 2½

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2161	215916	0	0	7150	1474	SNOW	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No | Driller's Signature Raymond Bérubé

Activity	Start	Stop	Intvl
DRILL 216 MM HOLE	16:00	21:50	5.50
SURVEY + RIG SERV	21:50	21:75	.25
DRILL	21:75	24:00	2.25
Total			8

TOUR ③ 16:00 - 24:00

		Hrs.
Driller	R. BERUBE	8
Derrick	M. JACQUES	8
Motor	A. HAMEL	8
Floor	M. CHARLAND	8
Floor	R. TREPANIER	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	Fuel @ 00:00 TOP FULL
To	K.B. Used	Sx	Fuel Rec'd Today Bottom 92 CM
	Cem Plus	%	Total
	Plug Down @	hrs	Fuel @ 23:59
	m³ Returns		Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Bo Tersu

Approved by Toolpush: Gerard Quirion

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18756

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie de Gaspe North #1

Pump No. 1: National 8P80 | Liner Size mm: 127 | Stroke Length mm: 206
Pump No. 2: Emsco D-700 | Liner Size mm: 140 | Stroke Length mm: 406
Location: Gaspe | Report Number: 11

From	To	Metres
316	324	8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1	216	5216	3/15	NCP250	3000	95	38	16.25				4	1	In
2	216	5216	3/15	NCP251	5000	65	30	1.50						

In at 324m

Drilling Assembly (At End of Tour)

No.		
1	Bit NBS	1.35 m
2	STABS	2.50 m
1	SB	7.54 m
1	SABS	5.19 m
1	XO	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
4	Stands DP	132.75 m
3	Singles DP	m
	Kelly Down	15.95 m
	Total	324 m

Force of String 31,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040			1040
Viscosity s/L	64			57
Filtrate cm³				
pH	11.5			11.5
Press kPa Pump 1	1800			1800
Press kPa Pump 2				
S.P.M. Pump 1	120			120
S.P.M. Pump 2				

Additives in kg: 1 Polymer; 18 Sel sxs

Desilter / Desander: Hours Operated 5 HRS; U.F. Density kg/m³ 1140; O.F. Density kg/m³ 1040; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: Mar. 26; Mar. 26; Mar. 26

Remarks

SURVEYS: Depth m 324 °2¼; Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2161	215916	0	0	7150	1474		Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Terry Turriff

From	To	Metres
324	352	28

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	5216	3-11.90	NCP251	5000	65	28	8.50					DRL	G

Drilling Assembly (At End of Tour)

No.		
	Bit PBS	1.35 m
	2 STABS	2.50 m
1	SB	7.54 m
1	STABS	5.19 m
1	XO	0.77 m
		m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
4	Stands DP	m
7	Singles DP	160.80 m
	Kelly Down	5.82 m
	Total	352 m

Force of String 32,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1040	1040	1050	1040
Viscosity s/L	53	50	70	58
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2100	2100	2900	2900
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL —; KCL 21 SACKS; POLYMER 25 Kg; CAUSTIC —

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26

Remarks: greased Blocks and crown

SURVEYS: Depth m 330 2½°; Depth m °; 348 2¼°

Crown Stopper Checked ? OK | Reset ? OK | Kelly Cock Checked ? OK | Rig Savers Checked ? OK

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2161	215916	0	0	7150	1474	SNOW	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bedard

From	To	Metres
352	374	22

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2	216	5216	3-11.9	NCP251	5000	65	50	16.50					DRL	G

Drilling Assembly (At End of Tour)

No.		
	Bit	m
1	N.B.S	1.35 m
2	STAB	2.50 m
1	S.B	7.54 m
1	STABS	5.19 m
1	X.O	0.77 m
		m
		m
6	Stands DC	167.95 m
	Singles DC	m
6	Stands DP	m
1	Singles DP	178.76 m
	Kelly Down	9.94 m
	Total	374 m

Force of String 32,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1030	1030	1030
Viscosity s/L	49	51	60	57
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2900	1800	1800	1800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: CAUSTIC 1 SACS; Gel 18 SACS

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1030; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26; " "

Remarks

SURVEYS: Depth m °; Depth m °

Crown Stopper Checked — | Reset ? — | Kelly Cock Checked — | Rig Savers Checked —

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	2161	215916	0	0	7150	1474	RAIN	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature Raymond Bérubé

Report	Start	Stop	Intvl
Drill 216mm Hole	3:00	3:25	3:25
Trip out to Run Stabilization	3:25	4:25	1:00
Pickup NBS, Square collar	4:25	:	.
+2 STABS	:	:	.
Run STABS under last stand	:	:	.
of Collars	:	:	.
Run in Hole	:	6:25	2:00
Break circulation & Ream From	6:25	:	.
324 to 324	:	7:50	1:25
Drill 216mm Hole	7:50	8:00	0:50
	:	:	.
	:	:	.
	:	:	.

Report	Start	Stop	Intvl
DRILL 216MM HOLE	8:00	9:25	1:25
survey Rig service	9:25	9:50	:25
DRILL	9:50	14:45	5:25
survey Rig service	14:45	15:00	:25
DRILL	15:00	16:00	1:00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Report	Start	Stop	Intvl
DRILL 216 MM HOLE	16:00	24:00	8:00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00 Top: Full; Bottom: 35cm
Fuel Rec'd Today
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Jean Tessier

Approved by Toolpush: Gerard Quimet

Date			Rig No.
Year 81	Month 3	Day 17	#6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease S. BERUBE	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: Roland Bédard
Subject: take off HOSE on PUMP DRIVE d'ont use

Given By:
Subject

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18755

Rig No. #6 | Well Name SOQUIP-Petro Fina Baie De Gaspé Nord No. 1 | Report Number 10

Date: Year 80 Month 3 Day 16 | Rig No. #6

Pump No. 1: National 8P80 | Liner Size mm 127 | Stroke Length mm 406
Pump No. 2: Emsco D-700 | Liner Size mm 140 | Stroke Length mm 406 | Location Gaspe

From	To	Metres
294	300	6
300	316	16

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1	216	S216	3/15	NCP250										
1	216	S216	3/15	NCP250	3000	75	6	5½					DR	G
1	216	S216	3/15	NCP250	3,000	75	22	13					DR	G

Drilling Assembly (At End of Tour)

No.			
1	Bit Sub	1.12	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
3	Stands DP		m
2	Singles DP	104.17	m
	Kelly Down		m
	Total		m
1	Bit Sub	1.12	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
4	Stands DP		m
5	Singles DP	123.30	m
	Kelly Down	6.86	m
	Total	300	m
1	Bit Sub	1.12	m
1	X.O	0.77	m
6	Stands DC	167.95	m
	Singles DC		m
5	Stands DP	141.60	m
	Singles DP		m
	Kelly Down	4.56	m
	Total	316	m

Force of String: 32,000 daN

MUD

	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

	08:00	10:00	12:00	14:00
Density kg/m³				1050
Viscosity s/L				45
Filtrate cm³				
pH				12.0
Press kPa Pump 1	W.O.C.			
Press kPa Pump 2				1500
S.P.M. Pump 1				120
S.P.M. Pump 2				

	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	63	53	65	54
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	9000	1800	1800	1800
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg
- 294–300: KCL 16 SACKS; POLYMER 25 Kg; SODA ASH 50 Kg
- 300–316: POLYMER 1 PAIL; KCL 14 SACS; CAUSTIC 25 Kg.

Desilter / Desander

Hours Operated	4 hrs	8	8
U.F. Density kg/m³	1160	1145	
O.F. Density kg/m³	1030	1040	
Flow Rate L/min	12	12 L	
Pressure kPa			

Motor Hours

	294–300	300–316
1	8	8
2	8	8
3	8	8
4		
5		
6		

Next Oil Change: MAR 26 | MAR 26 | MAR 26

Remarks: Held B.O.P. Drill
90 GAL. Hydraflow
P. Cayer Slipped & Fell on edge of matting & Hurt Knee

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
294–300	32	10	1906	215916	0	0	7150	1474		Good
294–300	32	10	1906	215916	0	0	7150	1474	Clear	Good
300–316	32	10	1906	215916	0	0	7150	1474	Cloudy	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature

Start	Stop	Intvl	Report
4:00			W.O.C.
	8:00	8:00	STEAM. Blower lines & manifold fill with oil
			Put fiberglass steam lines on top off blower lines & tie into string
			Run in the hole with a bit
10:30		2½	Pressure test hydril pipe rams, kelly cock to 10,000 KPA. for ½ hrs held okay.
10:30	12:00	1½	Drill out cement
12:00	12:30	½	change go back MUD
12:30	16:00	3½	DRILL 216 mm HOLE
	total	8	
16:00	17:35	1.25	DRILL 216 mm HOLE
17:35	17:50	.25	SURVEY x RIG SERV
17:50	22:50	5.00	DRILL
22:50	22:75	.25	SURVEY
22:75	24:00	1.25	DRILL
7x2x2		8	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes ✓ No ✓ | Driller's Signature Roland Bédard

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature Raymond Bérubé

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Bérubé	8
Lease S. BERUBE	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject
Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc

CASING: Ran JTS CSG | To K.B Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP FULL | Fuel Rec'd Today Bottom 60 CM | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Bernard Tremblay

Approved by ToolPusher: Gérard Quimet

HEAD OFFICE COPY

NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

18754

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

Rig No. #6 | Well Name SOQUIP-PetroFina Baie DeGaspe Nord No.1 | Report Number 9

Date: Year 81 Month 3 Day 15 | Rig No. #6

Pump No. 1: National 8P80 | Liner Size mm: 127 | Stroke Length mm: 206 | Pump No. 2: Emsco D700 | Liner Size mm: 140 | Stroke Length mm: 406 | Location

Time Start	Time Stop	Intvl	Operations
2400	8:00	8:00	nipple up bops
8:00	16:00	8	nipple up bops, rigging pipes etc
16:00	24:00	8:00	nipple up pressure test BOPs having Blind rams & annular to 2000 KPA. for 1/2 hrs held okay

Total 8

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		Metres
	Bit	m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD

	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	Mar. 26
2 8	Mar. 26
3 8	Mar. 26
4	
5	
6	

Remarks: 45 GAL GIRAN 220 ER

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	Snow	Bad

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		Metres
	Bit	m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD

	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1 8	MAR 26
2 8	
3 8	
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ✓ | Reset ? ✓ | Kelly Cock Checked ✓ | Rig Savers Checked ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	STORM	BAD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
		S316	3/15	NCP250										

Drilling Assembly (At End of Tour)

No.		Metres
1	Bit 3013	1.12 m
1	X.O	0.77 m
6	Stands DC	167.95 m
	Singles DC	m
3	Stands DP	m
3	Singles DP	104.17 m
	Kelly Down	m
	Total	m

Force of String daN

MUD

	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours	Next Oil Change
1	
2	
3	
4	
5	
6	

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	OVER CAST	BAD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Bérubé

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B. Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00 TOP FULL
Fuel Rec'd Today BOTTOM 80 CM
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Yves Tessier

Approved by Toolpush: Gerard Quinet

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. JOUSIGNANT	8
Floor Claude Bérubé	8
Lease	
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18753

Rig No. 6 | Well Name SOQUIP. PÉTROFINA. BAIE. DE. GASPÉ. NORD. NO. 1

Pump No. 1 ▶ NATIONAL 8P80 *Type | Liner Size mm 150 | Stroke Length mm 306
Pump No. 2 ▶ EMSCO D700 Type | Liner Size mm 203 | Stroke Length mm 406
Location GASPÉ | Report Number 8

Date: Year 81 Month 3 Day 14 | Rig No. 6

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4B	311	HTBG	3/11/90	97717										

Drilling Assembly (At End of Tour)

No.			
1	Bit SUB	1.20	m
1	BRCSUB	0.60	m
1	X-O.	0.77	m
			m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
7	Stands DP	113.65	m
	Singles DP		m
	Kelly Down		m
	Total		m

Force of String 29.000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1055	C	C	
Viscosity s/L	65	I	R	
Filtrate cm³		R	C	
pH	11.7	C	U	
Press kPa Pump 1	3000	U	L	
Press kPa Pump 2		L	A	
S.P.M. Pump 1	120	A	T	
S.P.M. Pump 2		T	E	

Additives in kg: CAUSTIC 36 KG; GEL 165 X 5

Desilter / Desander: Hours Operated 5 HRS; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	MARCH 26
2	8	
3	8	
4		
5		
6		

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	SNOW	GOOD

Start	Time Stop	Intvl	Report Number 8
			CIRCULATE WO HALLIBURTON
0	5:00	5:00	PULLOUT OF HOLE
5:00	5:30	50	RIG UP TO RUN CASING,
5:30	6:00	50	RUN SAME MAKE UP
6:00	:	.	FLOAT & SHOE
:	8:00	2:00	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature [signature]

INJURIES - COMPLETE BELOW

TOUR ① 00:00 - 08:00		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
	Bit		m
			m
			m
			m
			m
			m
			m
			m
	Stands DC		m
	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	Mar. 26
2	8	Mar. 26
3	8	Mar. 26
4		
5		
6		

Remarks: OVER TIME TO RUN CASING.

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? ✓ | Reset ? ✓ | Kelly Cock Checked ? ✓ | Rig Savers Checked ? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	SNOW	GOOD

Start	Time Stop	Intvl	Report Number 8
8:00	:	.	
:	:	.	RUN 29 JOINTS 9 5/8
:	10:00	2:00	CASING.
10:00	11:00	1:00	CIRCULATE.
11:00	:	.	CEMENT & DISPLACE.
:	12:30	1:50	
12:50	4:00	3:50	W.O.C.
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [signature]

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00		Hrs.
Driller	T. TURRIFF	8
Derrick	R. LAROCHELLE	8
Motor	K. TURRIFF	8
Floor	P. CAYER.	8
Floor	L. BARGERON.	8
Floor	G. TRUDEL.	4
Mechanic	C. BLANCHETTE.	20
Assistant Derrick		

INJURIES - COMPLETE BELOW

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
	Bit		m
			m
			m
			m
			m
			m
			m
			m
	Stands DC		m
	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours		Next Oil Change
1	8	MAR 26
2	8	
3	8	
4		
5		
6		

Remarks

SURVEYS: Depth m ° | Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	SNOW	GOOD

Start	Time Stop	Intvl	Report Number 8
16:00	17:00	1	W.O.C.
17:00	:	.	cut casing
:	20:50	3:50	well casing BOWL
20:50	24:00	3:50	nipple up BOP
:	TOTAL	8	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	
:	:	.	

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00		Hrs.
Driller	R. Bédard	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING			
Ran	JTS	CSG	Fuel @ 00:00 TOP TANK FULL
To	K.B. Used	Sx	Fuel Rec'd Today BOTTOM 1M
	Cem Plus	%	Total
	Plug Down @	hrs	Fuel @ 23:59
	m³ Returns		Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative [signature]

Approved by Toolpush [signature]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18752

Rig No. 6 | Well Name SOQUIP-PETROFINA-BAIE-DE-GASPÉ-NORD-NO-1 | Location GASPÉ | Report Number 7

Date: Year 81 | Month 3 | Day 13 | Rig No. 6

Pump No. 1: Type NATIONAL 8P80 | Liner Size mm 150 | Stroke Length mm 406
Pump No. 2: Type EMSCO D700 | Liner Size mm 203 | Stroke Length mm 406

From	To	Metres
249	266	17

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3B	311	J07	3-11.90	95376	7000	55	106	35.75				3	2	1/16
4B	311	H77SX	3-11.10	971717	7000	55	11	3.50				DRL		6
		RUN	2.55											

Drilling Assembly (At End of Tour)

No.			
1	Bit NBS	1.42	m
1	S.O.	8.88	m
3	STABS	4.26	m
1	BELLSUB	0.60	m
1	X.O.	0.77	m
			m
6	9" DC	57.25	m
			m
4	Stands DC	112.55	m
	Singles DC		m
3	Stands DP		m
3	Singles DP	76.00	m
	Kelly Down	4.77	m
	Total	266	m

Force of String 37,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1055	T	1055
Viscosity s/L	51	64		65
Filtrate cm³			R	
pH	11.5	11.5		11.3
Press kPa Pump 1	3800	3800	P	2800
Press kPa Pump 2				
S.P.M. Pump 1	120	120		120
S.P.M. Pump 2				

Additives in kg: GEL 18 SKS; CAUST.C 50 KG; KCL 16 SKS; POLYMER 1 Pail

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1100; O.F. Density kg/m³ 1050; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MARCH 26; " ; "

Remarks

SURVEYS Depth m	°	Depth m	°
254	2		

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	923	215916	0	0	7150	1474m	Cloudy	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J. M. Belanger

Time Start	Stop	Intvl	
:0	2:00	2:00	DRILL 311 mm HOLE
2:00	2:25	.25	SURVEY RIG SERVICE.
2:25	2:50	.25	DRILL
2:50	4:50	2:00	PULL OUT OF HOLE
:	:	.	FOR BIT. RUN IN HOLE
4:50	8:00	3.50	DRILL

I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
266	290	24

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4B	311	H77SX	3/11.90	971717	7000	55	35	11.25						

Drilling Assembly (At End of Tour)

No.			
	Bit NBS	1.42	m
	S.O.	8.88	m
3	STABS	4.26	m
1	Bellsub	0.60	m
1	X.O.	0.77	m
			m
6	9" DCS	57.25	m
4	Stands DC	112.55	m
	Singles DC		m
3	Stands DP	94.69	m
1	Singles DP		m
	Kelly Down	9.58	m
	Total	290	m

Force of String 32,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1055	1055	1055	1055
Viscosity s/L	63	64	64	65
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2000	3000	3000	3500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 1 Polymer; 16 gel SKS; 15 KCL

Desilter / Desander: Hours Operated 1130; U.F. Density kg/m³; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: Mar. 26; " ; "

Remarks

SURVEYS Depth m	°	Depth m	°
273 m	2°		

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	923	215916	0	0	7150	1474m	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature J. M. Turriff

Time Start	Stop	Intvl	
8:00	10:50	2:50	Drill 311mm Hole
10:50	10:75	0.25	Survey
10:75	16:00	5.25	Drill 311mm Hole
	Total	8	

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor R. Cayer	8
Floor Luc Bergevin	8
Lease S. Berube	8
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
290	294	4

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
4B	311	H77SX	3 11.90	971717	7000	55	39	11.75						

Drilling Assembly (At End of Tour)

No.			
1	Bit sub	1.30	m
1	bell	0.60	m
1	X.O	0.77	m
			m
			m
			m
			m
6	Stands DC	167.95	m
	Singles DC		m
4	Stands DP	113.65	m
	Singles DP		m
	Kelly Down	9.83	m
	Total	294.00	

Force of String 29,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1060			
Viscosity s/L	63			
Filtrate cm³				
pH	11.5			
Press kPa Pump 1	3300	TRIP	TRIP	
Press kPa Pump 2				
S.P.M. Pump 1	120			
S.P.M. Pump 2				

Additives in kg: KCL 15 SACKS; 1 POLYMER 25 Kg

Desilter / Desander: Hours Operated 2; U.F. Density kg/m³ 1160; O.F. Density kg/m³ 1045; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26

Remarks: measure OK

SURVEYS Depth m	°	Depth m	°
292	1½°		

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	1489	215916	0	0	7150	1474	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

Time Start	Stop	Intvl	
16:00	16:50	.25	DRILL 311 mm HOLE
16:25	16:50	.25	survey Rig service
16:50	16:75	.25	DRILL
16:75	17:25	.50	circulate
17:25	:	.	pull out HOLE DOUBLE
:	:	.	measure, LAY DOWN 9" collars
:	:	.	stabilizations S.O
:	:	.	pick 6 collars 6 ¾
:	:	.	run in Hole Break
:	22:50	5.25	circulation
22:50	24:00	1.50	circulate
:	:	.	

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

Toolpusher's Approval

SAFETY TALKS

Given By:

Subject

Given By:

Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 1.20 | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: M. Tessier

Approved by Toolpush: Roy Huff

Drill Pipe Record	Size mm	Grade	Premium	#2	#3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

18751

Rig No. 6 | Well Name SOQUIP. PÉ TROFINA · BAIE · DE · GASPÉ · NORD. NO. 1

Pump No. 1 ▶ NATIONAL 8P80.150. Liner Size mm 216 Stroke Length mm | Pump No. 2 ▶ EMSCO D700. Liner Size mm 203 Stroke Length mm 406 | Location GASPÉ | Report Number 6

From	To	Metres
183	201	18

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs	Torque	T	B	G
3B	311	JD7	3.11.90	45376	7000 / 5000	55 / 60 / 55	52	18				DAL	G	

Drilling Assembly (At End of Tour)

No.		
1	Bit NBS	1.42 m
1	SC	8.88 m
3	STAB	4.26 m
1	BELLSUB	0.60 m
1	X.O.	0.77 m
		m
6	94C	57.25 m
		m
4	Stands DC	112.55 m
	Singles DC	m
	Stands DP	m
1	Singles DP	9.45 m
	Kelly Down	3.82 m
	Total	201 m

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1050	1050	1050	1050
Viscosity s/L	58	60	50	57
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2800	2800	2800	2800
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: GEL 26 SKS; CAUSTIC 50KG

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1800; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: 12 MARCH; ||||; ||||

Remarks

SURVEYS: Depth m 188 ° 1¼; Depth m 197 ° 1¼

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Force of String 36.000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	274	215916	0	0	7150	1474	CLODY	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes ✓ No | Driller's Signature J.M. Belanger

Time	Start	Stop	Intvl
DRILL 311 MM HOLE	:0	1:50	1:50
SURVEY. RIG SERVICE	1:50	1:75	·25
DRILL	1:75	6:25	4:50
SURVEY	6:25	6:50	·25
DRILL	6:50	8:00	1:50

From	To	Metres
201	226	25

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3B	311	JD7	3/11.90	45376	7000	55/55	78	23.75						

Drilling Assembly (At End of Tour)

No.		
1	NBS	1.42 m
	SC	8.88 m
3	STAB	4.26 m
1	Bellsub	0.60 m
1	XO	0.77 m
		m
		m
2	Stds 9"	57.25 m
4	Stands DC	112.55 m
	Singles DC	m
1	Stands DP	28.71 m
	Singles DP	m
	Kelly Down	12.20 m
	Total	226.64 m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1030	1055	1065
Viscosity s/L	55	60	64	55
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	2500	3000	3000
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: 20KG SODIUM; 28 KCL; 2 polymer; 15 Shell EXS; 25 KG CAUSTIC

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1190; O.F. Density kg/m³ 1070; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: Mar. 26; Mar. 26; Mar. 26

Remarks 45 Gal natural oil

SURVEYS: Depth m 216 m ° 1¼; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Force of String 37.000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	274	215916	0	0	7150	1474	Clear	Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tony Turriff

Time	Start	Stop	Intvl
Drill 311mm Hole	8:00	13:00	5.00
Survey & Rig Service	13:00	13:25	0.25
Drill 311mm Hole	13:25	16:00	2.75
Total			8

From	To	Metres
226	249	23

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
3B	311	JD7	3-11.90	45376	7000	55	100	33.50						

Drilling Assembly (At End of Tour)

No.		
1	Bit NBS	1.42 m
1	SC	8.88 m
3	STABS	4.26 m
1	Bellsub	0.60 m
1	X.O	0.77 m
		m
		m
2	STDS 9"	57.25 m
4	Stands DC	112.55 m
	Singles DC	m
2	Stands DP	56.74 m
	Singles DP	m
	Kelly Down	6.53 m
	Total	249 m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1050	1050	1055	1055
Viscosity s/L	50	50	70	50
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	3000	3000	3000	3000
Pump 2				
S.P.M. Pump 1	120	120	120	120
Pump 2				

Additives in kg: KCL 16 SACKS; ~~GEL~~; ~~CAUSTIC~~; POLYMER 25Kg

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1180; O.F. Density kg/m³ 1045; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change: MAR 26; MAR 26; MAR 26

Remarks 45 GALLONS ~~[illegible]~~ 80W - 90 GEAR LUBE

fire extinguisher (OK)

SURVEYS: Depth m 235 ° 1¼; Depth m

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Force of String 37.000 daN

Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
	32	10	274	215916	0	0	7150	1474	SNOW	GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

Time	Start	Stop	Intvl
DRILL 311MM HOLE	16:00	18:00	2
Survey Rig service	18:00	18:25	·25
DRILL	18:25	24:00	5.75
TOTAL			8

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

CASING: Ran JTS CSG; To K.B. Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 TOP TANK FULL; Fuel Rec'd Today BOTTOM 1,40; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

Approved by Operator's Representative: Tony Tessier

Approved by Toolpush: Roy [illegible]

Date: Year 81 Month 3 Day 17 | Rig No. 6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. FRODEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc Bergevin	8
Lease S. Berube	8
Mechanic C. Blanchette	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. Berube	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: Roland Bédard
Subject: be carefull you use CAT line don't

Given By: live rope on the
Subject: CAT head

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

15900

Rig No. 6 | Well Name SOQUIP. PETROFINA. BAIE-DE-GASPÉ. NORD. No. 1.

Pump No. 1 ▶ Type NATIONAL 8PD | Liner Size mm 150 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 203 | Stroke Length mm 406
Location GASPE | Report Number 5

Date: 81 (Year) 3 (Month) 11 (Day) | Rig No. 6

From	To	Metres
116	141	25

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
2B	311	SD7	3/1190	45553	3000	80	69	19.50				DRL	G	
	RUN IN	80			4000			20.50						

Drilling Assembly (At End of Tour)

No.			
1	Bit	5	1.42 m
1	S.O.		8.88 m
2	STAB		2.79 m
1	BELSUB		0.60 m
1	X.O.		0.77 m
			m
6	9HC		57.25 m
			m
2	Stands DC		m
1	Singles DC	6.55	2 m
	Stands DP		m
	Singles DP		m
	Kelly Down	3.77	m
	Total	144.00	

MUD	00:00	02:00	04:00	06:00
Density kg/m³	1040	1040	1045	1050
Viscosity s/L	52	56	55	55
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2500	2500	2500	2500
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: SOLYMER 1 PAIL; GEL 17x5; CAUSTIC 25 KG

Desilter / Desander: Hours Operated 8 HRS; U.F. Density kg/m³ 1280; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m 131 ° 1½ ; Depth m °

Crown Stopper Checked? YES | Reset? YES | Kelly Cock Checked? YES | Rig Savers Checked? YES

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules ~~[illegible]~~ | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474m | Weather SNOW | Roads GOOD

Force of String 30.000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Belanger

Start	Stop	Intvl	
:0	4:50	4:50	DRILL 311 MM. HOLE
4:50	4:75	.25	SURVEY. RIG SERVICE
4:75	8:00	3.25	DRILL

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DEBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
141	156	15

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
2B	311	SD7	3/11.90	45553	4000	80	69	23.50				4	2	IN
3B	311	SD7	3/11.90	45376	4000 7000	80 55	6	2.75						
	Left 149													

Drilling Assembly (At End of Tour)

No.			
1	Bit	DB5	1.42 m
	SO		8.88 m
3	STABS		4.26 m
1	Bel Sub		0.60 m
1	X O		0.77 m
			m
			m
6	9" DCS		57.25 m
2	Stands DC		75.01 m
3	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down	4.39	m
	Total	156	m

MUD	08:00	10:00	12:00	14:00
Density kg/m³	1050	1050		1050
Viscosity s/L	55	54		55
Filtrate cm³				
pH	11.5	11.5		11.5
Press kPa Pump 1	2500	2500		2200
Press kPa Pump 2				
S.P.M. Pump 1	120	120		120
S.P.M. Pump 2				

Additives in kg: 1 polymer; 30 KG L

Desilter / Desander: Hours Operated 6 HRS; U.F. Density kg/m³ 1150; O.F. Density kg/m³ 1040; Flow Rate L/min 12 L; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change

Remarks

SURVEYS: Depth m 149 m ½ ; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 0 | Weather Clear | Roads Good

Force of String 30,000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 2 | BOP Drill Yes No ✓ | Driller's Signature [illegible]

Start	Stop	Intvl	
8:00	11:00	3.00	Drill 311mm Hole
11:00	11:25	0.25	Survey
11:25	:	.	Pull out for Bit
:	:	.	Change Bit & add #3 STAB
:	13:25	2.00	Run In
13:25	16:00	2.75	Drill 311mm Hole
	Total	8.00	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc. Bergevin	8
Lease	
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

From	To	Metres
156	183	27

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
3B	311	SD7	3-1190	45376	7000	55	33	10.50					DRL	G
	IN AT 149													

Drilling Assembly (At End of Tour)

No.			
1	Bit	DB5	1.42 m
1	SO		8.88 m
3	STABS		4.26 m
1	Bel Sub		0.60 m
1	X.O		0.77 m
			m
			m
6	9" DC		57.25
3	Stands DC		m
9	Singles DC		103.06
	Stands DP		m
	Singles DP		m
	Kelly Down		6.76 m
	Total	183	m

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1040	1040	1040	1040
Viscosity s/L	48	68	67	53
Filtrate cm³				
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2700	2700	2700	2700
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: 19 GEL; 50 Kg CAUSTIC

Desilter / Desander: Hours Operated 8; U.F. Density kg/m³ 1160; O.F. Density kg/m³ 1040; Flow Rate L/min 12; Pressure kPa

Motor Hours: 1 8; 2 8; 3 8; 4; 5; 6

Next Oil Change

Remarks: GIRAN 220 EP 45 GALLONS; SCAVENGER 55 GALLONS

SURVEYS: Depth m 169 1½ ; Depth m °

Crown Stopper Checked? ✓ | Reset? ✓ | Kelly Cock Checked? ✓ | Rig Savers Checked? ✓

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules 0 | Total MJ 215916 | Slipped (m) 0 | Cut 0 | Next Slip 7150 | Temp. 1474 | Weather SNOW | Roads GOOD

Force of String 35.000 daN

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

Start	Stop	Intvl	
16:00	19:50	3.50	DRILL 311MM HOLE
19:50	19:75	.25	Survey Rig service
19:75	24:00	4.25	DRILL
	TOTAL	8	

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG; To K.B. Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00 TOP TANK FULL; Fuel Rec'd Today BOTTOM IMETAE; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From; Trans #

Approved by Operator's Representative: [signature]

Approved by Toolpush: [signature]

Drill Pipe Record: Size mm; Grade; Premium; #2; #3; Other - Specify #4; Totals; Total on Loc.

Drill Collars on Loc.: O.D. mm; No.; O.D. mm; No.

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: T. Turriff

Subject: Be sure safty lines on tongs are installed the right way (if tong unlatchs it won't swing towards ~~Drawork~~ Draworks)

Given By:

Subject:

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

15899

Rig No. 6 Well Name SOQUIP. PETROFINA. BAIE. DE. GASPÉ. NORD. NO. 1

Pump No. 1 ▶	Type NATIONAL 8P80	Liner Size mm 150	Stroke Length mm 216	Pump No. 2 ▶	Type EMSCO D700	Liner Size mm 203	Stroke Length mm 406

Location GASPÉ Report Number 4

Date			Rig No.
Year 81	Month 3	Day 10	6

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00

From	To	Metres
65	80	15

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR 1B	311	XDV	1-11.90 2-11.10	5L486	2000	70	15	3.25				3	1	I

No.	Drilling Assembly (At End of Tour)	m
1	Bit SCB	1.19 m
1	BEL SUB	0.60 m
1	X-O	0.77 m
		m
4	9" DC.	38.12 m
		m
		m
		m
1	6 3/4 Stands DC	28.05 m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	12.90 m
	Total	80.93 m
	Force of String	22.00 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				4
Viscosity s/L	W	65	55	55
Filtrate cm³	A			
pH	T	11.5	11.5	11.5
Press kPa Pump 1	H	2500	2500	
Press kPa Pump 2	E			4000
S.P.M. Pump 1	R	130	120	
S.P.M. Pump 2				40

Additives in kg: KCL 47 sks; 2 Pail Polymer

Desilter / Desander	
Hours Operated	8 HRS
U.F. Density kg/m³	
O.F. Density kg/m³	
Flow Rate L/min	
Pressure kPa	

Motor Hours: 1 / 2 / 3 / 4 / 5 / 6 — Next Oil Change

Remarks: 45 GAL HYDRAFLO FINA 32; 45 GAL UNIVERSELLE 30

SURVEYS Depth m	°	Depth m	°
80	1 3/4		

Crown Stopper Checked? YES Reset? YES Kelly Cock Checked? YES Rig Savers Checked? YES

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	0	215915	30	30	7150	1474 M	CLODY	GOOD

	Start	Time Stop	Intvl
DRILL. CIMENT PLUG	:0	2:25	2.25
FROM 48M. TO. 65M.	:	:	.
DISPLACE WATER WITH. MUD. DUMP CLEAN SUCTION TANK WITH	2:25	2:75	.50
DRILL 311 M.M. HOLE	2:75	6:00	3.25
DROP. SURVEY.	6:00	6:25	.25
PULL. OUT. OF. HOLE	6:25	:	.
LAY. DOWN. 3. 6 3/4 COLLARS	:	:	.
1. 9". COLLAR. RUN IN	:	:	.
N. B.S. S. O. 2 STAB	:	8:00	1.75

Boiler In Use? Hrs. 8 Camp In Use? Hrs. BOP Drill Yes X No Driller's Signature Jm Bélanger

TOUR ① 00:00 - 08:00		Hrs.
Driller	J. M. BELANGER	8
Derrick	J. DUBEAU	8
Motor	N. LAUZÉ	8
Floor	G. TRUDEL	8
Floor	R. TOUSIGNANT	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00

From	To	Metres
80	93	13

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2B	311	SD7	3.1190	45553	3000	80	13	5.00						

No.	Drilling Assembly (At End of Tour)	m
	Bit NBS	1.42 m
	SQ	8.88 m
	2 STABS	2.79 m
1	Bell sub	0.60 m
1	XO	0.77 m
		m
		m
6	9" DCS	57.25 m
2	~~Stands~~ 6 3/4 DC	18.99 m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	12.00 m
	Total	93.41 m
	Force of String	26,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³		1040	1040	1040
Viscosity s/L		55	58	56
Filtrate cm³				
pH		11.5	11.5	11.5
Press kPa Pump 1		2000	2000	2000
Press kPa Pump 2				
S.P.M. Pump 1		120	120	120
S.P.M. Pump 2				

Additives in kg: 1 Polymer; 20 Gel SXS

Desilter / Desander	
Hours Operated	6 HRS
U.F. Density kg/m³	1200
O.F. Density kg/m³	1020
Flow Rate L/min	12
Pressure kPa	

Motor Hours	
1	8
2	8
3	8
4	
5	
6	

Remarks: Scavenger 45 Gallons

SURVEYS Depth m	°	Depth m	°
93 m	1 1/4		

Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10					7150		Over Cast	Good

	Start	Time Stop	Intvl
Finish Running in Hole	8:00	:	.
Ream From 48 m to 80 m	:	10:50	2.50
Drill 311 mm Hole	10:50	13:50	5.00
Pickup collar & Survey	15:50	16:00	0.50
	Total		8

Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No Driller's Signature Tony Turiff

TOUR ② 08:00 - 16:00		Hrs.
Driller	T. Turiff	8
Derrick	R. Larochelle	8
Motor	Kim Turiff	8
Floor	P. Cayer	8
Floor	Luc. Bergevin	8
Lease		
Mechanic		
Assistant Derrick		

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00

From	To	Metres
93	116	23

BITS No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
2B	311	SD7	3-11.9	4553	3000	80	36	12.75						

No.	Drilling Assembly (At End of Tour)	m
1	Bit NBS	1.42 m
1	SQ	8.88 m
2	STABS	2.79 m
1	Bell sub	0.60 m
1	X.O	0.77 m
		m
		m
6	9" DC	57.25 m
1	Stands DC	m
1	Singles DC	37.54 m
	Stands DP	m
	Singles DP	m
	Kelly Down	6.75 m
	Total	116 m
	Force of String	28 600 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³	1030	1040	1040	1040
Viscosity s/L	45	63	62	45
Filtrate cm³	—			
pH	11.5	11.5	11.5	11.5
Press kPa Pump 1	2000	2200	2200	2300
Press kPa Pump 2				
S.P.M. Pump 1	120	120	120	120
S.P.M. Pump 2				

Additives in kg: GEL 18 SACKS; POLYMER 25 Kg; CAUSTIC 50 Kg

Desilter / Desander	
Hours Operated	8
U.F. Density kg/m³	1180
O.F. Density kg/m³	1030
Flow Rate L/min	12
Pressure kPa	—

Motor Hours	
1	8
2	8
3	8
4	
5	
6	

Remarks: 45 GALS SCAVENGER; 45 GALS GIRAN 220 EP

SURVEYS Depth m	°	Depth m	°
112	1 1/2		

Crown Stopper Checked? OK Reset? OK Kelly Cock Checked? OK Rig Savers Checked? OK

Drill'g Line Record Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
32	10	0	215916	30 m	30 M	7150	1474	clear	GOOD

	Start	Time Stop	Intvl
DRILL 311 MM HOLE	16:00	21:50	5.50
survey Rig service	21:50	21:75	.25
DRILL	21:75	24:00	2.25
	total		8

Boiler In Use? Hrs. 8 Camp In Use? Hrs. ✓ BOP Drill Yes No ✓ Driller's Signature Roland Bédard

TOUR ③ 16:00 - 24:00		Hrs.
Driller	R. BÉDARD	8
Derrick	L. TURRIFF	8
Motor	Y. CARON	8
Floor	P. TOUSIGNANT	8
Floor	C. BÉRUBÉ	8
Lease		
Other		
Assistant Derrick		

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS
Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING		
Ran	JTS	CSG
To	K.B.Used	Sx
	Cem Plus	%
	Plug Down @	hrs
	m³ Returns	

Fuel @ 00:00	TOP TANK FULL
Fuel Rec'd Today	BOTTOM 1m.30
Total	
Fuel @ 23:59	
Fuel Used	

Equipment Transfers (Including Rental)
To / From Trans #

Approved by Operator's Representative Tessier

Approved by Toolpush Roy Turiff

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc. O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

15898

Rig No. 6 | Well Name SOQUIP PÉTROFINA BAIE DE GASPÉ NORD No. 1.0

Pump No. 1 ▶ Type NATIONAL | Liner Size mm 150 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 203 | Stroke Length mm 406 | Location GASPÉ | Report Number 3

Date: Year 81 | Month 3 | Day 9 | Rig No. 6

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.		m
	Bit	m
		m
		m
		m
		m
		m
		m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: GEL 21 SKS; KCL 57 SKS; POLYMER 2 PAIL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1, 2, 3, 4, 5, 6

Next Oil Change

SURVEYS: Depth m ° | Depth m °

Remarks

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads

Start	Stop	Intvl	
:0	:	.	CUT CASSING.
:	4:00	4:00	WELD CASSING BOWL
4:00	8:00	4:00	NIPPLE UP B.O.P.
:	:	.	MIX MUD.

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes X No | Driller's Signature J.M. Bélanger

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
	311	XDV	1-1-6-79 1-1-1-78	56486										

Drilling Assembly (At End of Tour)

No.		m
	Bit	m
		m
		m
		m
		m
		m
		m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: 26 KCL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

SURVEYS: Depth m ° | Depth m °

Remarks

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip 7150 | Temp. | Weather | Roads Good

Start	Stop	Intvl	
8:00	:	.	Mix Mud
:	:	.	Drill Mouse Hole
:	16:00	8	Run in Hole with No Stabilization

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature [illegible]

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
RR2	311	XDV		56486										

Drilling Assembly (At End of Tour)

No.		m
1	Bit Sub	1.19 m
		m
		m
		m
		m
		m
		m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	m
	Total	m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L				
Filtrate cm³				
pH				
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: 12 SACKS KCL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

SURVEYS: Depth m ° | Depth m °

Remarks

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. -5 | Weather SNOW | Roads GOOD

Start	Stop	Intvl	
16:00	:	.	MIX MUD
:	:	.	slip cut line
:	:	.	Rig up scavenger PUMP
:	24:00	8	

Boiler in Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature Roland Bédard

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J.M. BÉLANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZÉ	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc. Bergevin	8
Lease	
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. BÉDARD	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BERUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG | To K.B. Used Sx | Cem Plus % | Plug Down @ hrs | m³ Returns

Fuel @ 00:00 TOP TANK FULL | Fuel Rec'd Today BOTTOM 1 METRE | Total | Fuel @ 23:59 | Fuel Used

Equipment Transfers (Including Rental) | To / From | Trans #

Approved by Operator's Representative [illegible]

Approved by Toolpush [illegible]

Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.

Drill Collars on Loc.	O.D. mm	No.	O.D. mm	No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

15897

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE-DE-GASPÉ-NORD NO-1

Pump No. 1 ▶ Type NATIONAL 8P80 | Liner Size mm 150 | Stroke Length mm 216
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm 203 | Stroke Length mm 406
Location GASPE | Report Number 2

Date: Year 81 | Month 3 | Day 8 | Rig No. 6

From	To	Metres
65	6550	2.50

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
7	311	XDV	14 14 9 0	5L486	1000	90	6550	4.50	5M	5.75		1	1	1

Drilling Assembly (At End of Tour)

No.			
1	Bit		m
1	HOLE OPENER	0.84	m
1	BIT SUB	1.19	m
1	BENT SUB	0.68	m
1	X-O	0.77	m
1	STAB	2.26	m
			m
			m
18	Stands DC	38.7	m
1	Singles DC	19.50	m
	Stands DP		m
	Singles DP		m
	Kelly Down	7.29	m
	Total	51.00	m

Force of String 16 000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L	125	135	165	180
Filtrate cm³				
pH	11.0	11.0	11.0	11.0
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: GEL 62 SKS; CAUSTIC 50KG

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1, 2, 3, 4, 5, 6

Next Oil Change

Remarks: 45 GALL YIRAN 220 EP

SURVEYS: Depth m 65 ° 1¼ Depth m °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather -2 | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. | BOP Drill Yes No | Driller's Signature J. M. Belanger

Report Number	Start	Stop	Intvl
DRILL 311 MM HOLE	:0	0:75	.75
SURVEY	0:75	1:00	.25
PULL OUT OF HOLE	1:00	1:50	.50
LAY DOWN S-O NBS STAB	1:50	2:00	.50
PICK UP HOLE OPENER	2:00	2:25	.25
REAMING OPEN HOLE	2:25	5:00	2.75
TO 445 MM	:	:	.

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
Hole Opener		No. 1					65	5.50 / 1¼						

Drilling Assembly (At End of Tour)

No.			
	Bit		m
	Stands DC		m
	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³				
Viscosity s/L	160	150	135	
Filtrate cm³				
pH	11.0	11.0	11.0	
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: 14 ALSXS

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

Remarks

SURVEYS: Depth m ° Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip 7158 | Temp. | Weather | Roads Good

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature

Report Number	Start	Stop	Intvl
Open Hole to 445 mm to 65 m	8:00	13:50	5.50
Circulate for Casing	13:50	14:00	0.50
Pull Out to Run Casing	14:00	16:00	2.00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	Total	8
	:	:	.
	:	:	.

From	To	Metres

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

Drilling Assembly (At End of Tour)

No.			
	Bit		m
	Stands DC		m
	Singles DC		m
	Stands DP		m
	Singles DP		m
	Kelly Down		m
	Total		m

Force of String daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				1030
Viscosity s/L				60
Filtrate cm³				—
pH				11.5
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: GEL 38 SACKS; POLYMER 75 Kg; CAUSTIC 150 Kg

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

Remarks: BRING UP VISCOSITY + PH

SURVEYS: Depth m Depth m

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm 32 | No. Lines 10 | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads GOOD

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. ✓ | BOP Drill Yes No ✓ | Driller's Signature Roland Bédard

Report Number	Start	Stop	Intvl
RIG UP FOR CASING	16:50	16:75	.75
RUN CASING	16:75	18:00	1.25
CIRCULATE CASING	18:00	18:25	.25
CIMENT CASING	18:25	19:00	.75
W.O.C	19:00	24:00	5.00
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	:	.
	:	TOTAL	8
	:	:	.
	:	:	.
	:	:	.

BOPS	Tested Minutes	Tested Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING: Ran JTS CSG; To K.B. Used Sx; Cem Plus %; Plug Down @ hrs; m³ Returns

Fuel @ 00:00; Fuel Rec'd Today; Total; Fuel @ 23:59; Fuel Used

Equipment Transfers (Including Rental): To / From Trans #

Approved by Operator's Representative: Yves Tessier

Approved by Toolpush: Roy

Drill Pipe Record: Size mm | Grade | Premium | # 2 | # 3 | Other - Specify | Totals | Total on Loc.

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY !

(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① 00:00 - 08:00	Hrs.
Driller J. M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TRUDEL	8
Lease TOUSIGNANT	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Kim Turriff	8
Floor P. Cayer	8
Floor Luc Bergevin	8
Lease	
Mechanic	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller R. Bédard	8
Derrick L. TURRIFF	8
Motor Y. CARON	8
Floor P. TOUSIGNANT	8
Floor C. BÉRUBÉ	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS

CONTRACTOR

REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL
EDMONTON, ALBERTA 455-2121

15896

Rig No. 6 | Well Name SOQUIP PETROFINA BAIE DE GASPE NORD 1A | Location GASPÉ | Report Number 1

Date: Year 81 Month 3 Day 7 | Rig No. #6

Pump No. 1 ▶ Type NATIONAL 5PRG | Liner Size mm | Stroke Length mm
Pump No. 2 ▶ Type EMSCO D700 | Liner Size mm | Stroke Length mm

From	To	Metres
0	24	24

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1A	311	X16	1-11.9 2-11.10	45472	1,000	80	24	9.35						

Drilling Assembly (At End of Tour)

No.		
1	Bit SUB	1.19 m
1	BELLSUB	0.60 m
1	X.O	0.79 m
		m
		m
		m
		m
1	9"	9.59 m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	12.20 m
	Total	24.35 m

Force of String 7,000 daN

MUD	00:00	02:00	04:00	06:00
Density kg/m³				
Viscosity s/L	190	185	200	150
Filtrate cm³				
pH	11.0	11.0	11.5	11.0
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: CAUSTIC 40 SXS. Gel 50 KL

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1, 2, 3, 4, 5, 6

Next Oil Change

Remarks: SPUD AT 4.00 A.M

SURVEYS: Depth m ~~24~~ 1 °; Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads

Start	Time Stop	Intvl	Report Number 1
0:00	4:00	4:00	DRILL RAT HOLE
4:00	5:00	1:00	DRILL 311 MM HOLE
5:00	5:35	:35	PICK UP 9" COLLAR
5:35	6:50	1:35	DRILL
6:50	8:00	1:50	PULL OUT TO RUN STAB
			TOTAL 8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Raymond Berube

From	To	Metres
24	49	25

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1A	311	X16	1-11.10 2-11.10	45472	1,000	90	49	8.75					LBLC	

Drilling Assembly (At End of Tour)

No.		
	bit	m
1	MS	1.21 m
1	STAB	1.47 m
9	DH	19.13 m
1	C.S.H	9.50 m
1	X.O.	0.77 m
1	BELLSUB	0.60 m
1	S.O	8.88 m
	Stands DC	m
	Singles DC	m
	Stands DP	m
	Singles DP	m
	Kelly Down	12.20 m
	Total	49 m

Force of String 15,000 daN

MUD	08:00	10:00	12:00	14:00
Density kg/m³	10			
Viscosity s/L	190	150	121	
Filtrate cm³				
pH	11	11	11	
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: GEL 25 SXS

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

Remarks: 45 gal HYDRAULIC 32

SURVEYS: Depth m 24 1 °; Depth m 44 1¼ °

Crown Stopper Checked ? YES | Reset ? YES | Kelly Cock Checked ? YES | Rig Savers Checked ? YES

Drill'g Line Record: Size mm | No. Lines | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip | Temp. | Weather | Roads: GOOD

Start	Time Stop	Intvl	Report Number 1
8:00	8:50	:50	BEAMING
8:50	9:00	:50	PICK-UP 9" COLLAR
9:00	9:35	:35	SURVEY
9:35	2:00	4:75	DRILL 311 M.M. HOLE
14:00	14:35	:35	SURVEY. BIG SERV.
14:35	16:00	1:75	DRILL

Boiler In Use? Hrs. | Camp In Use? Hrs. 8 | BOP Drill Yes No | Driller's Signature Jim Belanger

From	To	Metres
49	63	14

BITS

No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
1A	311	X16	1-11.10	45472	1,000	90	54	10.75						
2	311	XDV	5-11.10	56486	1,000	90	9	3.75						
In at 54														

Drilling Assembly (At End of Tour)

No.		
1	Bit MS	1.21 m
1	SO	8.88 m
1	STAB	1.47 m
9	9" DC	19.13 m
2	6 3/4" DCs	18.75 m
1	X.O	0.77 m
1	Bellsub	0.60 m
	Stands DC	m
1	Singles DC	8.95 m
	Stands DP	m
	Singles DP	m
	Kelly Down	12.20 m
	Total	m

Force of String 16,000 daN

MUD	16:00	18:00	20:00	22:00
Density kg/m³				
Viscosity s/L	75	100	150	200
Filtrate cm³				
pH	11	11	10.5	10.5
Press kPa Pump 1				
Press kPa Pump 2				
S.P.M. Pump 1				
S.P.M. Pump 2				

Additives in kg: 22 GEL SXS; 25 KG CAUSTIC

Desilter / Desander: Hours Operated; U.F. Density kg/m³; O.F. Density kg/m³; Flow Rate L/min; Pressure kPa

Motor Hours: 1 8, 2 8, 3 8, 4, 5, 6

Next Oil Change

Remarks

SURVEYS: Depth m ° ; Depth m °

Crown Stopper Checked ? | Reset ? | Kelly Cock Checked ? | Rig Savers Checked ?

Drill'g Line Record: Size mm 30 | No. Lines 10 | Megajoules | Total MJ | Slipped (m) | Cut | Next Slip 7150 | Temp. | Weather Clear | Roads Good

Start	Time Stop	Intvl	Report Number 1
16:00	18:00	2:00	Drill 311 mm Hole
18:00			Trip out for Bit Pickup One Pipe
			Lay out One Stab, Change Bit
			Pick up stab Run in Hole
	20:25	2:25	Break circulation
20:25	24:00	3:75	Drill 311 mm Hole
			Total 8

Boiler In Use? Hrs. 8 | Camp In Use? Hrs. 0 | BOP Drill Yes No | Driller's Signature Tom Turriff

I ACKNOWLEDGE HAVING WORKED THESE HOURS. DURING THIS TIME I RECEIVED NO INJURY!

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TOUR ① 00:00 - 08:00	Hrs.
Driller R. BERUBE	8
Derrick M. JACQUES	8
Motor A. HAMEL	8
Floor M. CHARLAND	8
Floor R. TREPANIER	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00	Hrs.
Driller J.M. BELANGER	8
Derrick J. DUBEAU	8
Motor N. LAUZE	8
Floor G. TRUDEL	8
Floor R. TOUSIGNANT	8
Lease S. BERUBE	8
Mechanic C. BLANCHETTE	8
Assistant Derrick	

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00	Hrs.
Driller T. Turriff	8
Derrick R. Larochelle	8
Motor Rim Turriff	8
Floor P. Cayer	8
Floor Luc. Bergevin	8
Lease	
Other	
Assistant Derrick	

INJURIES - COMPLETE BELOW

ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By:
Subject

Given By:
Subject

BOPS	Tested Minutes	Pressure kPa	Checked Open & Close
Hydril			
Pipe Rams			
Blind Rams			

CASING	Ran	JTS	CSG
	To	K.B. Used	Sx
		Cem Plus	%
		Plug Down @	hrs
		m³ Returns	

Fuel @ 00:00
Fuel Rec'd Today
Total
Fuel @ 23:59
Fuel Used

Equipment Transfers (Including Rental): To / From | Trans #

Approved by Operator's Representative: Rim Turriff

Approved by Toolpush: Ray Gill

Drill Pipe Record: Size mm | Grade | Premium | #2 | #3 | Other - Specify | Totals | Total on Loc

Drill Collars on Loc.: O.D. mm | No. | O.D. mm | No.

HEAD OFFICE COPY NOTE: PLEASE SHOW METRES MADE DURING CONTROLLED DRILLING AS WELL AS HOURS