

# GM 37293

DIAGRAPHIES ET RAPPORT DE FIN DE FORAGE DU Puits SOQUIP PETROFINA BECANCOUR NO 1

Documents complémentaires

*Additional Files*



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Énergie et Ressources  
naturelles

Québec 

MINISTÈRE DES RICHESSES NATURELLES  
LOI DES MINES  
DEMANDE DE PERMIS POUR LE FORAGE D'UN NOUVEAU Puits

(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:

SOQUIP - Petrofina Bécancour # 1

(Nom & numéro du puits)

Société Québécoise d'Initiatives Pétrolières,  
3340 de la Pérade, Ste-Foy, P.Q. G1X 2L7

(Nom & adresse du propriétaire du puits)

Sur le lot no Partie 708  
ou comté de Nicolet P.Q.

Rang 3ème Avenue - Parc Industriel de Bécancour

Paroisse Municipalité de Bécancour

Permis 641 ( ) no \_\_\_\_\_

couvert par bai: \_\_\_\_\_ ( ) no \_\_\_\_\_

Le puits proposé sera situé à Long: UTM  
Lat: 5 137 700 m.N. - 699 140 m.E. Zone 18 approx.  
(coordonnées appropriées)

Altitude du terrain 8 (approx.) mètres au dessus du niveau de la mer

Type d'appareil de forage Rotary neuf ou usagé Usagé

TUBAGE:	Diamètre (mm)	Poids (kg/m)	Grade	Marque	Neuf ou usagé	Profondeur en mètres	Tonnes de ciment
1er	340mm	81.3	k55	U.S. steel	Neuf	30m	5.1 (conducteur)
2ième	244.5mm	99.6	k55	Algoma	Neuf	150m	8.6 (surface)
* 3ième	139.7mm	23.1	k55	Algoma	Neuf	1360m	46 (production)
4ième							
5ième	* si nécessaire						

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

Grès de Potsdam et dolomies du Beekmantown

Grès Basal - Fracturation due à la proximité de la faille normale

Contrôle: "Hydrill", "Pipe rams", et "Blind rams"

Le puits sera foré par RFGENT DRILLING - Foreuse #6

(Nom du contracteur)

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

Nom de l'exploitant:

M. J. J. J.  
3340 de la Pérade  
Ste-Foy, P.Q. G1X 2L7

Soquip

Signé par Rudolf Beukema  
Titre Chef du Service des Titres Fonciers

Date 19 novembre 19 80

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Documentation Technique

DATE: 29 SEP 1981 (A l'usage exclusif du Ministère des Richesses naturelles)

No. G.M.: 37293 PROUVE

Permis no 196

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

voir lettre du 24 novembre 1980

Date 24 novembre 1980

[Signature]  
Ministère des Richesses naturelles

PROVINCE DE QUEBEC  
Ministère des Richesses naturelles  
Loi des Mines

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

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 ( ) ou de suspendre les travaux de forage ( ), le ou vers le 21e jour de Février 1981, sur le puits connu comme SOQUIP-Petrofina Bécancour No. 1 sur le lot No. P708 Rang 3e Avenue Canton ou seigneurie Parc Industriel Paroisse Bécancour Comté Nicolet

Couvert par: Permis de recherche No. 641 Bail d'Exploration No. \_\_\_\_\_  
Permis de forage No. 196

Raisons d'abandon ou de suspension du forage: Fin des travaux de forage et de parachèvement du puits dans des zones à potentiel gazier

L'équipement suivant: (appareil, chevalement, tubage) sera déménagé à Gaspé  
Foreuse Regent No 6

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

Pétrole: N/A

Gaz: N/A

Eau: EZ-Drill packer à 1300 m KB

Le pétrole et le gaz seront contrôlés par: Otis Permalatch Packer pour coffrage de 139,7mm tubage de 73,03 mm et tête de puits

La profondeur du forage était de 1372m ~~XXXXXX~~ pièdes et les tubages ont été insérés:

Colonne de tubage	Diamètre (mm)	Poids (kg/m)	Libre, ancré, cimenté	Profondeur (mètres)	Intention de retirer, mètres
1er	340mm	81.1	cimenté	27m	
2e	244.5mm	59.5	cimenté	153m	
3e	139.7mm	23,07	cimenté	1372	
4e					

Les diagrammes suivants ont été obtenus: MS-GR, DLL-MSFL-GR, FDC, HDT

Autres opérations proposées Essais de production sans foreuse

Opération à être effectuée par A être déterminé

Adresse \_\_\_\_\_

Agent responsable sur le terrain Pierre Houle dept. des opérations

Daté à Sainte-Foy, ce 11e jour de mars 19 81

Signé par Pierre Houle Titre DM TF

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 de conditions suivantes:

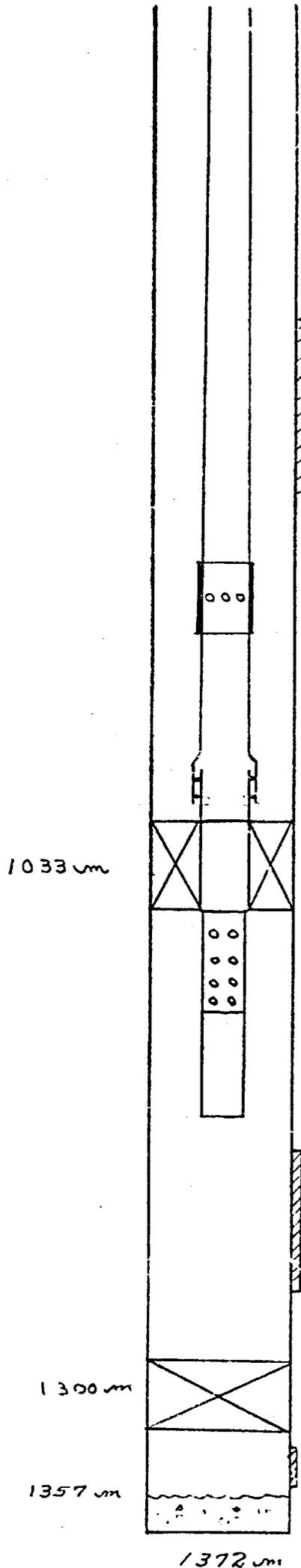
Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Documentation Technique

Date \_\_\_\_\_ 19 \_\_\_\_\_ DATE: 29 SEP. 1981 Ministère des Richesses naturelles

No GM. 37293

Souqia Petrofina Becancour No 1

Perçage proposé



Coffrage: 139,7 mm, 23,07 kg/m K-55

Tubage: 73 mm EUE, 9,67 kg/m

Perforations: 968,5 - 982 mm KB (13 litres/m)

Otis Sliding Sleeve, 73 mm

Otis "Permalatch Pecker" avec tbg "seal divider" & J latch

Perforations 1039 - 1047 mm KB (13 litres/m)

E-Z Drill Bridge Plug

Perforations 1339 - 1350 mm KB (13 litres/m)  
PBD

1372 m

Ministère de l'Énergie et des Ressources

Gouvernement du Québec

Documentation Technique

29 SEP. 1981

DATE:

37293

No G.M.:

91-02-20

RAPPORT FIN DE FORAGE

SOQUIP PETROFINA BECANCOUR NO 1

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Documentation Technique

DATE: 29 SEP. 1981

No. G.M.: 37293

Rapport No.: 11659

Projet No.: 2086

CD/YT/cd/mjm

Janvier 1981

Claude Denis,  
géologue.

Yvan Tessier,  
ingénieur de forage.

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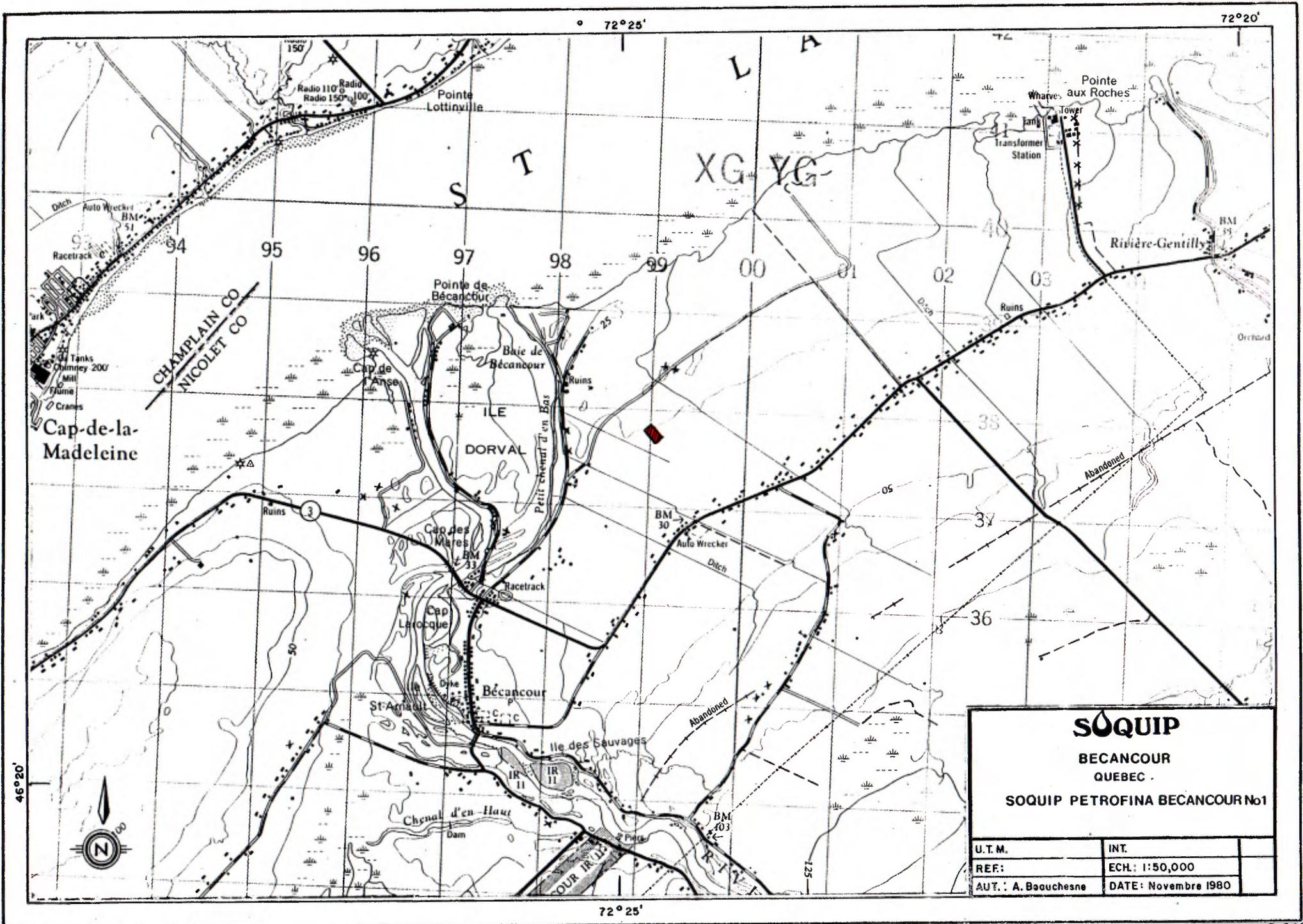
- 1) Rapports géologiques journaliers
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1-

RESUME



CHAMPLAIN CO  
NICOLET CO

**SOQUIP**  
 BECANCOUR  
 QUEBEC  
 SOQUIP PETROFINA BECANCOUR No1

U.T.M.	INT.
REF:	ECH: 1:50,000
AUT.: A. Baouchesne	DATE: Novembre 1980

1-

RESUME

SOQUIP Pétrofina Bécancour No. 1 a été foré sur le permis 641 des Basses-Terres du St-Laurent par la foreuse No. 6 de Regent Drilling Ltd. Le forage a atteint la profondeur de 1370 mètres.

Le principal objectif de ce puits était le contact des formations de Cairnside et de Covey Hill du Groupe de Potsdam. Les objectifs secondaires étaient les dolomies gréseuses possiblement poreuses du Groupe de Beekmantown, la partie supérieure de la séquence gréseuse du Groupe de Potsdam et la partie inférieure (grès basal) du Groupe de Potsdam.

Le forage a traversé, du sommet à la base, 739 mètres du Groupe de Lorraine, 21 mètres du Groupe d'Utica, 149 mètres du Groupe de Trenton, 126 mètres du Groupe de Beekmantown, 310 mètres du Groupe de Potsdam (105 mètres de Cairnside et 205 mètres de Covey Hill) et 20 mètres du socle précambrien.

Trois carottes ont été récupérées de 1139.00 m à 1143.58 m, de 1146.00 m à 1154.93 m et de 1155.00 m à 1172.45 m, pour un total de 30.96 mètres dans le Groupe de Potsdam.

Huit essais aux tiges ont été effectués, le DST No. 5 a été manqué.

Le puits a été coffré avec coffrage de 140 mm 23.07 kg/m K-55 8RD jusqu'à 1372 mètres.

Le puits est suspendu.

11-

INFORMATIONS GENERALES

11- INFORMATIONS GENERALES

Nom du puits: SOQUIP Pétrofina Bécancour 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. 641

Localisation: 5 137 700 m N ( $46^{\circ}21'59.5''$  N Lat.)  
699 140 m E ( $72^{\circ}24'42.1''$  W Long.)  
~~23'19.1''~~

Élévation: Sol: 7.52 m K.B.: 12.82 m

Profondeur totale: 1370 m T.R. (K.B.)

Début du forage: 15 décembre 1980

Fin du forage: 12 janvier 1981

Fin des travaux  
relatifs au forage: 21 janvier 1981

Statut: Suspendu avec tubage et tête de puits.

III- GEOLOGIE

1) Sommets des unités lithostratigraphiques

III- GEOLOGIE

1) Sommets des unités lithostratigraphiques

	<u>K.B.</u>	<u>Sous le niveau de la mer</u>	<u>Epaisseur</u>
Mort-terrain	5.3 m	+ 7.52 m	0 m
Groupe de Lorraine	5.3 m	+ 7.52 m	± 739 m
Groupe d'Utica	744 m	- 731 m	21 m
Groupes de Trenton et Black River	765 m	- 752 m	149 m
Groupe de Beekmantown	914 m	- 901 m	126 m
Groupe de Potsdam	1040 m	- 1027 m	310 m
(Cairnside)	(1040 m)	(-1027 m)	(105 m)
(Covey Hill)	(1145 m)	(-1132 m)	(205 m)
Précambrien	1350 m	- 1337 m	20 m
<u>PROFONDEUR TOTALE:</u>	1370 m	- 1357 m	

### III- GEOLOGIE

#### 2) Description générale des retailles

- A) 0 - 744 m: Principalement un siltstone gris moyen, légèrement calcaireux localement, parfois micacé et pyriteux, passant à un shale gris moyen, silteux, parfois micacé.
- Présence par niveaux d'un grès gris pâle à moyen, légèrement brunâtre localement, à grains très fins à moyens, sub-arrondis, peu à moyennement triés, ciment siliceux, parfois calcaireux, en partie micacé. Dans les derniers 40 mètres, le siltstone gris moyen passe à un shale gris foncé à noir.
- B) 744 - 765 m: Un calcaire brun, wackstone à grainstone, fossilifère, argileux et silteux et un shale gris foncé à noir.
- C) 765 - 914 m: Presque essentiellement un calcaire brun pâle à moyen, wackstone à grainstone, fossilifère, argileux. Dans les derniers 10 mètres, le calcaire devient arénacé et passe à un grès gris brunâtre à gris pâle, à grains très fins à fins, sub-arrondis, tri moyen, calcaireux et légèrement pyriteux. Traces d'un siltstone gris clair à moyen.
- D) 914 - 1040 m: Cinquante-cinq mètres d'une dolomie gris pâle à gris brunâtre, localement blanche ou rose, très finement à moyennement cristalline localement, avec présence au sommet d'un grès blanc, très fin, sub-arrondi, mal trié, calcaro-dolomitique et d'un siltstone gris clair à moyen. La dolomie devient arénacée dans les derniers cinq mètres et elle passe à un grès gris clair à gris brunâtre, blanc localement, à grains très fins à fins, sub-arrondis, à tri moyen, dolomitique, devenant calcaro-dolomitique dans les derniers dix mètres de la base.

- E) 1040 - 1145 m: Un grès translucide à grès très clair, à grains fins à moyens localement, sub-arrondis et arrondis, moyennement triés, siliceux, souvent peu cimenté.
- F) 1145 - 1350 m: Principalement un grès translucide à grès clair, à grains fins à moyens localement, sub-arrondis à sub-anguleux, moyennement triés, siliceux, souvent peu cimenté, arkosique et altéré vers la base, friable, poreux et bitumineux par niveaux.  
Présence vers la base d'un siltstone rouge et gris moyen et d'une dolomie gris clair, blanche et rose et d'un grès blanc, à grains fins, sub-anguleux, bien triés, dolomitiques et de bitumes.
- G) 1350 - 1370 m: Le grès contient des fragments de roches (gneiss) et des micas et passe rapidement à des roches métamorphiques (gneiss).

IV-

INGENIERIE

IV- INGENIERIE

1. Carotte

No. 1 1129 - 1144 m  
No. 2 1146 - 1155 m  
No.3 1155 - 1172.5 m

Foré

4.75 m  
9 m  
17.5 m

Récupéré

97%  
100%  
100%

IV- INGENIERIE

2. Analyse de carottes

Les carottes ont été analysées à Edmonton par la compagnie Core Lab.

#### IV- INGENIERIE

##### 3. Diagraphies

Les diagraphies suivantes ont été prises:

No. 1	Sonic, GR-Cal.	:	1370 - 153m
No. 2	DLL-GR	:	1369 - 165m
No. 3	FDC-GR	:	Miss Run
No. 4	HDT-FIL	:	1368.5 - 165m
No. 5	FDC-GR	:	1369 - 165m

#### IV- INGENIERIE

##### 4. Essais aux tiges

Huit (8) essais aux tiges du type "Inflatable Straddle Packer" ont été effectués dans les zones suivantes:

DST No. 1	:	1335 - 1370m
DST No. 2	:	1130 - 1150m
DST No. 3	:	1028 - 1048m
DST No. 4	:	970 - 990m
DST No. 5	:	Miss Run
DST No. 6	:	939 - 952m
DST No. 7	:	795 - 835m
DST No. 8	:	1094 - 1101m

Les résultats et interprétations préliminaires sont en annexe.

# CORE LABORATORIES — CANADA LTD.

WELL **SOQUIP PETROFINA BECANCOUR #1** PAGE

FORMATION

SUMMARY INTERVAL **1139.00 - 1172.45** FILE

TOTAL **33.45**

METRES ANALYZED **30.96**

METRES NOT ANALYZED: TOTAL **2.49** DENSE **.00** LOST **.02** DRILLED **2.47** \*NABR **.00** RUBBLE **.00**

SUMMARY OF ANALYZED CORE:	METRES	FRACTION OF ANALYZED CORE	WEIGHTED AVERAGE POROSITY	POROSITY METRES	WEIGHTED AV. HORIZONTAL PERMEABILITY	PERMEABILITY METRES	WEIGHTED AVERAGE RESID. OIL	WEIGHTED AVERAGE TOT. WATER
TOTAL	30.96	1.000	.066	2.055	.490	15.177	.000	.000
BY PERM RANGES								
LESS THAN 0.01 mD	.07	.002	.000	.000	.000	.000	.000	.000
0.01 0.09 mD	2.72	.088	.039	.105	.051	.139	.000	.000
0.10 0.49 mD	17.86	.577	.062	1.106	.267	4.766	.000	.000
0.50 0.99 mD	5.95	.192	.078	.464	.683	4.066	.000	.000
1.0 9.99 mD	4.36	.141	.087	.380	1.423	6.206	.000	.000
GREATER THAN 9.99 mD	.00	.000	.000	.000	.000	.000	.000	.000

\*NOT ANALYZED BY REQUEST



CORE LABORATORIES - CANADA LTD.

Petroleum Reservoir Engineering

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES FIELD \_\_\_\_\_ FILE 7004-81-77

WELL SOQUIP PETROFINA BECANCOUR #1 DATE 81-03-06

LOCATION \_\_\_\_\_ PROV. \_\_\_\_\_ ELEV. \_\_\_\_\_

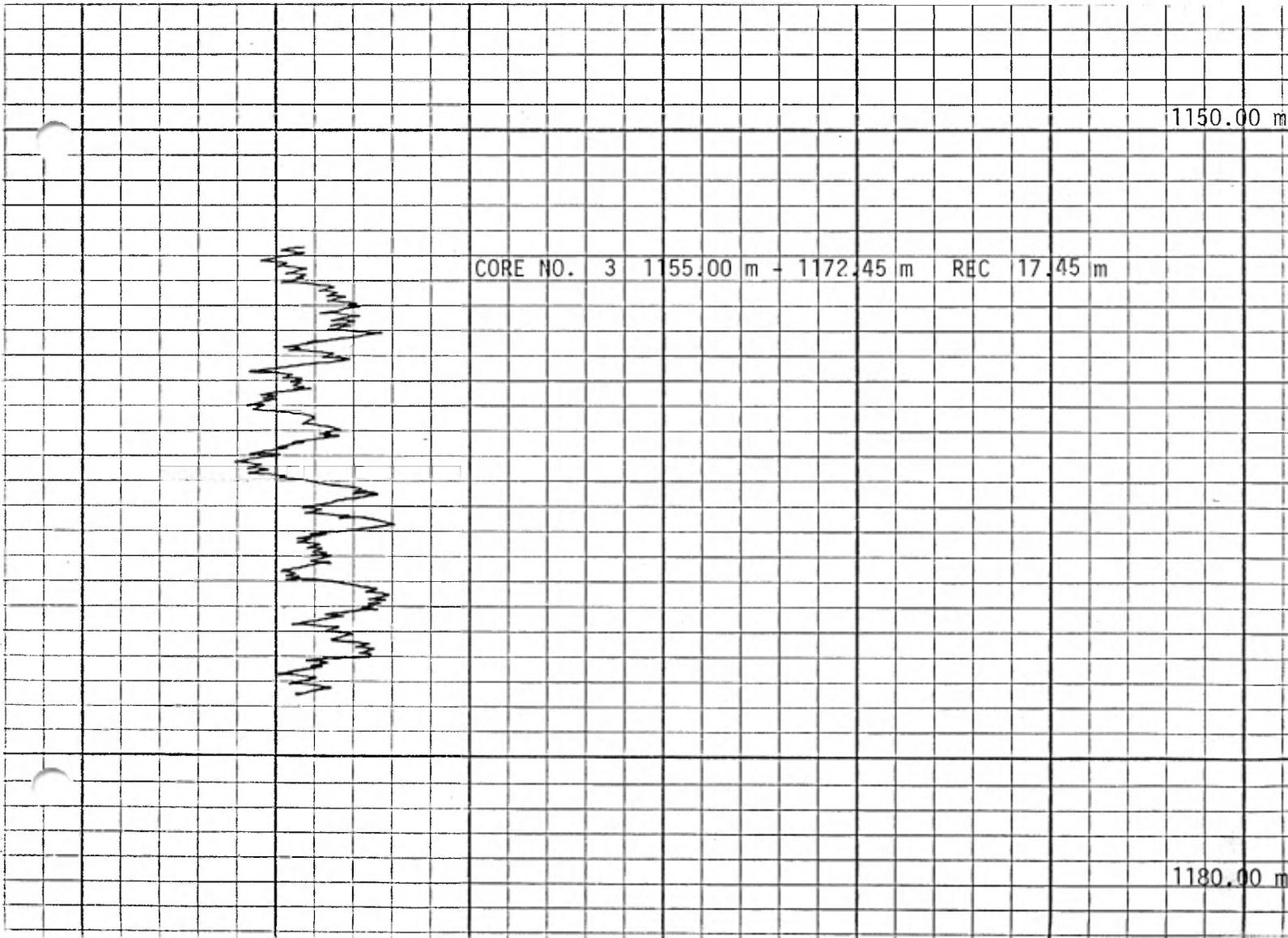
# CORE-GAMMA CORRELATION

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T.C. 11 SECS

VERTICAL SCALE: 10cm = 24m

SENS 5000 CPM





CORE LABORATORIES - CANADA LTD.

Petroleum Reservoir Engineering

SOCIETE QUEBECOISE

COMPANY D'INITIATIVE PETROLIERES FIELD \_\_\_\_\_ FILE 7004-81-77

WELL SOQUIP PETROFINA BECANCOUR # 1 DATE 81-03-06

LOCATION \_\_\_\_\_ PROV \_\_\_\_\_ ELEV. \_\_\_\_\_

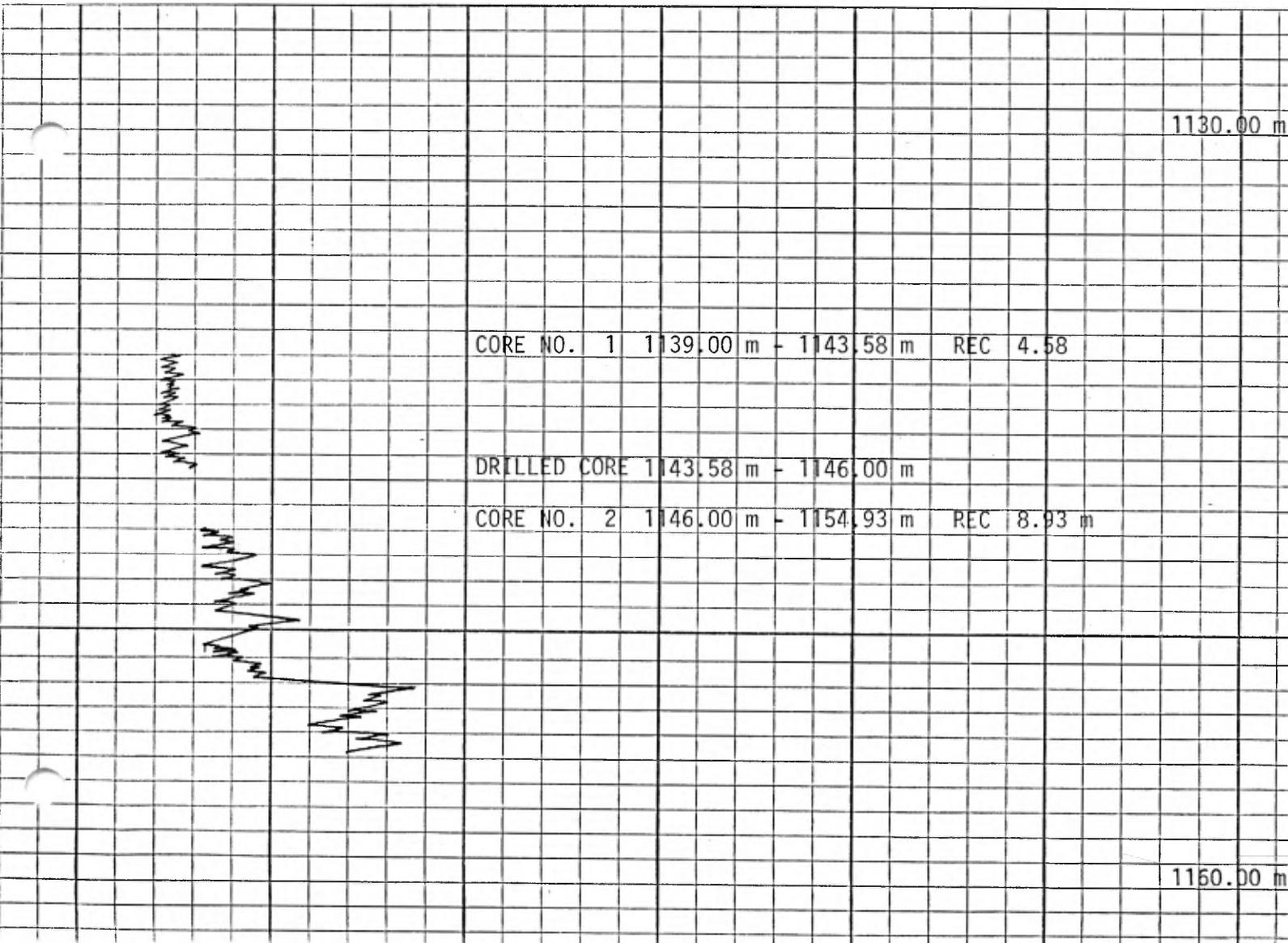
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T.C. 11 SECS

VERTICAL SCALE: 10cm = 24m

SENS 5000 CPM



1130.00 m

1150.00 m

IV- INGENIERIE

5. Analyse de gaz

Un échantillon a été pris au DST No. 3 et analysé par CoreLab



**CORE LABORATORIES - CANADA LTD.**  
*Petroleum Reservoir Engineering*  
**CALGARY ALBERTA**



6684 <small>CONTAINER IDENTITY</small>	<b>GAS ANALYSIS</b>	7012-81-170 <small>LABORATORY NUMBER</small>
Societe Quebecoise D'Initiatives Petrolieres		1 of 1 <small>PAGE</small>
SOQUIP Petrofina Becancour No. 1 <small>OPERATOR</small>		13.1 7.56 <small>KB ELEV., m    GRD. ELEV., m</small>
Quebec <small>LOCATION</small>	Potsdam <small>WELL OR SAMPLE LOCATION NAME</small>	Lynes United Services <small>SAMPLER</small>
DST No. 3 <small>TEST TYPE &amp; NO.</small>		
<b>Flareline Gas</b>		
1028 - 1048 <small>TEST INTERVALS OR PERFS., m</small>	<small>POINT OF SAMPLE</small>	<small>AMT. &amp; TYPE CUSHION</small>
	PUMPING    FLOWING    GAS LIFT    SWAB	<small>MUD RESISTIVITY</small>
	WATER    m <sup>3</sup> /d    OIL    m <sup>3</sup> /d    GAS    m <sup>3</sup> /d	
<small>SEPARATOR</small>	<small>CONTAINER WHEN SAMPLED</small>	<small>CONTAINER WHEN RECEIVED</small>
	@ 138 °C	@ 22 °C
<small>RESERVOIR</small>		<small>SEPARATOR</small>
<small>PRESSURES, kPa (gauge)</small>		<small>TEMPERATURES, °C</small>
1981 01 17 <small>DATE SAMPLED (Y/M/D)</small>	1981 02 09 <small>DATE RECEIVED (Y/M/D)</small>	1981 02 11 <small>DATE ANALYSED (Y/M/D)</small>
AL <small>ANALYST</small>		<small>REMARKS</small>

COMPONENT	MOLE FRACTION AIR FREE AS REC'D	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m <sup>3</sup> AIR FREE AS REC'D
H <sub>2</sub>	0.0010		
He	0.0031		
N <sub>2</sub>	0.0162		
CO <sub>2</sub>	0.0000		
H <sub>2</sub> S	0.0000		
C <sub>1</sub>	0.9123		
C <sub>2</sub>	0.0416		
C <sub>3</sub>	0.0124		45.6
iC <sub>4</sub>	0.0032		14.0
C <sub>4</sub>	0.0043		18.1
iC <sub>5</sub>	0.0020		9.8
C <sub>5</sub>	0.0015		7.3
C <sub>6</sub>	0.0015		8.2
C <sub>7</sub> <sup>+</sup>	0.0009		6.2
TOTAL	1.0000		109.2
		C <sub>5</sub> <sup>+</sup>	31.5

<b>CALCULATED GROSS HEATING VALUE</b> MJ/m <sup>3</sup> @ 15° C & 101.325 kPa(abs.)  40.31                      40.32 <small>MOISTURE FREE            MOISTURE &amp; ACID GAS FREE</small>	<b>CALCULATED VAPOUR PRESSURE</b> kPa(abs.) @ 37.8° C  84.3 <small>PENTANES PLUS</small>
--	--

<b>CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15° C &amp; 101.325 kPa</b> <small>MOISTURE FREE AS SAMPLED</small>		
0.754 <small>DENSITY</small> kg/m <sup>3</sup>	0.615 <small>RELATIVE DENSITY</small>	17.8 <small>RELATIVE MOLECULAR MASS</small>

<b>CALCULATED PSEUDOCRITICAL PROPERTIES</b>			
<small>AS SAMPLED</small>		<small>ACID GAS FREE</small>	
4559.4 <small>pPc</small> kPa(abs.)	199.3 <small>PTC</small> K	 <small>pPc</small> kPa(abs.)	 <small>PTC</small> K

REMARKS

NOTE: The Gross Heating Value has been calculated in accordance to AGA Report # 5.

IV- INGENIERIE

6. Analyse d'eau

Les échantillons d'eau provenant des DST ont été analysés au Laboratoire de Génie Sanitaire à Québec. Les résultats suivent.

# CORE LABORATORIES – CANADA LTD.

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SOQUIP PETROFINA BECANCOUR #1  
 LOCATION

FORMATION  
 ANALYSTS MM PC SL IW

PAGE 3 OF 6  
 FILE 7004-81-77  
 DATE 81-03-06

## CORE ANALYSIS RESULTS

Sample Number	Depth Metres (m)	m Rep.	Sample Length m	Permeability to Air Millidarcys			Perm. x m	Porosity	Porosity x m	Density : kg/m <sup>3</sup>		Residual Saturation (Fraction of Pore Volume)		Visual Examination	
				mD Max.	mD 90°	mD V				Bulk	Grain	Oil	Water		
CORE NO. 2 CONTINUED															
a 24	1147.61-47.72	0.11	.07	0.44	-	-	0.048	0.063	0.007	2470	2640	-	-	ss f m	
	25	1147.72-48.01	0.29	.21	0.68	0.64	0.06	0.197	0.097	0.028	2370	2630	-	-	ss vf f
	26	1148.01-48.13	0.12	.08	0.58	0.36	0.08	0.070	0.109	0.013	2360	2650	-	-	ss vf f
	27	1148.13-48.38	0.25	.12	0.20	0.08	0.01	0.050	0.077	0.019	2450	2650	-	-	ss vf f
	28	1148.38-48.47	0.09	.12	0.17	0.12	0.04	0.015	0.073	0.007	2450	2650	-	-	ss vf f
	29	1148.47-48.70	0.23	.12	0.17	0.14	0.10	0.039	0.090	0.021	2400	2640	-	-	ss vf f
a	30	1148.70-48.85	0.15	.11	0.22	-	-	0.033	0.100	0.015	2390	2650	-	-	ss f m
SP	31	1148.85-49.25	0.40	-	0.30	-	-	0.120	0.098	0.039	-	2630	-	-	ss vf f
a	32	1149.25-49.41	0.16	.15	0.14	-	-	0.022	0.130	0.021	2300	2640	-	-	ss f m
	33	1149.41-49.58	0.17	.15	0.14	0.12	0.02	0.024	0.081	0.014	2430	2650	-	-	ss vf f
	34	1149.58-49.75	0.17	.11	0.09	0.09	0.03	0.015	0.071	0.012	2460	2640	-	-	ss vf f
a	35	1149.75-49.93	0.18	.13	0.07	-	-	0.013	0.055	0.010	2500	2640	-	-	ss vf f m
	36	1149.93-50.19	0.26	.16	0.14	0.11	0.03	0.036	0.069	0.018	2450	2630	-	-	ss vf f shy
	37	1150.19-50.33	0.14	.09	0.29	0.18	0.05	0.041	0.064	0.009	2470	2640	-	-	ss vf f
	38	1150.33-50.61	0.28	.16	0.33	0.24	0.03	0.092	0.072	0.020	2440	2630	-	-	ss vf f shy
a	39	1150.61-50.92	0.31	.14	1.25	-	-	0.388	0.081	0.025	2420	2630	-	-	ss vf f m shy
	40	1150.92-51.11	0.19	.08	0.61	0.51	0.06	0.116	0.017	0.003	2600	2640	-	-	ss vf f
a	41	1151.11-51.31	0.20	.15	0.64	-	-	0.128	0.063	0.013	2470	2640	-	-	ss f m
	42	1151.31-51.52	0.21	.08	0.52	0.49	0.17	0.109	0.065	0.014	2470	2640	-	-	ss vf f
a	43	1151.52-51.74	0.22	.09	0.94	-	-	0.207	0.092	0.020	2400	2650	-	-	ss f m
	44	1151.74-51.93	0.19	.18	0.27	0.24	0.03	0.051	0.067	0.013	2460	2640	-	-	ss vf f
	45	1151.93-52.14	0.21	.04	0.35	0.33	0.06	0.074	0.069	0.014	2470	2650	-	-	ss vf f
	46	1152.14-52.27	0.13	.09	0.06	0.06	0.04	0.008	0.005	0.001	2690	2700	-	-	ss vf f pyr
	47	1152.27-52.45	0.18	.12	0.13	0.08	0.03	0.023	0.058	0.010	2460	2620	-	-	ss vf f sshy
	48	1152.45-52.62	0.17	.10	0.11	0.09	0.03	0.019	0.066	0.011	2470	2640	-	-	ss vf f
	49	1152.62-52.84	0.22	.16	0.10	0.07	0.07	0.022	0.065	0.014	2440	2620	-	-	ss vf f sshy
	50	1152.84-53.06	0.22	.17	0.04	0.04	0.02	0.009	0.068	0.015	2460	2640	-	-	ss vf f
	51	1153.06-53.19	0.13	.05	0.51	0.33	0.01	0.066	0.069	0.009	2460	2650	-	-	ss vf f

# CORE LABORATORIES – CANADA LTD.

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SQUIP PETROFINA BECANCOUR #1  
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## CORE ANALYSIS RESULTS

Sample Number	Depth Metres (m)	m Rep.	Sample Length m	Permeability to Air Millidarcys			Perm. x m	Porosity	Porosity x m	Density : kg/m <sup>3</sup>		Residual Saturation (Fraction of Pore Volume)		Visual Examination
				mD Max.	mD 90°	mD V				Bulk	Grain	Oil	Water	
CORE NO. 2 CONTINUED														
52	1153.19-53.53	0.34	.20	0.24	0.22	0.06	0.082	0.078	0.027	2420	2620	-	-	ss vf f sshy
53	1153.53-53.79	0.26	.06	1.06	0.71	0.14	0.276	0.075	0.020	2420	2620	-	-	ss vf f sshy
54	1153.79-54.02	0.23	.09	0.92	0.63	0.16	0.212	0.069	0.016	2450	2630	-	-	ss vf f
55	1154.02-54.20	0.18	.13	0.27	0.25	0.08	0.049	0.078	0.014	2420	2620	-	-	ss vf f sshy
56	1154.20-54.30	0.10	.06	0.80	0.48	0.09	0.080	0.063	0.006	2460	2620	-	-	ss vf f sshy
57	1154.30-54.57	0.27	.07	0.70	0.36	0.05	0.189	0.073	0.020	2450	2640	-	-	ss vf f
58	1154.57-54.93	0.36	.24	0.27	0.25	0.04	0.097	0.084	0.030	2410	2620	-	-	ss vf f sshy
LC	1154.93-54.95	0.02	-	-	-	-	-	-	-	-	-	-	-	Lost core
DC	1154.95-55.00	0.05	-	-	-	-	-	-	-	-	-	-	-	Drilled core
CORE NO. 3 1155.00 m -1172.45 m (REC. 17.45 m) ( 6 BOXES)														
59	1155.00-55.16	0.16	.14	0.48	0.28	<0.01	0.077	0.092	0.015	2370	2610	-	-	ss vf f sshy
60	1155.16-55.46	0.30	.12	0.49	0.45	<0.01	0.147	0.078	0.023	2410	2610	-	-	ss vf f sshy
SP 61	1155.46-55.61	0.15	-	0.31	-	-	0.047	0.086	0.013	-	2620	-	-	ss vf f
62	1155.61-55.85	0.24	.14	0.79	0.72	0.21	0.190	0.080	0.019	2420	2620	-	-	ss vf f sshy
SP 63	1155.85-56.05	0.20	-	0.25	-	-	0.050	0.083	0.017	-	2620	-	-	ss vf f
64	1156.05-56.18	0.13	.11	0.45	0.41	0.04	0.059	0.063	0.008	2460	2620	-	-	ss vf f sshy
a 65	1156.18-56.49	0.31	.12	1.48	-	-	0.459	0.098	0.030	2360	2620	-	-	ss f m sshy
66	1156.49-56.71	0.22	.10	2.62	2.62	0.71	0.576	0.104	0.023	2350	2620	-	-	ss f m sshy
67	1156.71-57.01	0.30	.25	1.62	1.33	0.16	0.486	0.094	0.028	2370	2610	-	-	ss vf f sshy
68	1157.01-57.35	0.34	.25	0.57	0.47	0.08	0.194	0.096	0.033	2360	2610	-	-	ss vf f sshy
69	1157.35-57.56	0.21	.15	0.40	0.40	0.05	0.084	0.068	0.014	2450	2620	-	-	ss vf f sshy
70	1157.56-57.67	0.11	.11	0.47	0.47	0.04	0.052	0.077	0.008	2410	2620	-	-	ss vf f sshy
71	1157.67-57.95	0.28	.23	0.23	0.23	0.03	0.064	0.109	0.031	2330	2620	-	-	ss vf f sshy
72	1157.95-58.15	0.20	.10	0.31	0.28	0.03	0.062	0.057	0.011	2510	2660	-	-	ss vf f fest
73	1158.15-58.37	0.22	.13	0.25	0.22	0.03	0.055	0.066	0.015	2460	2630	-	-	ss vf f sshy
74	1158.37-58.62	0.25	.11	0.25	0.25	0.09	0.063	0.077	0.019	2420	2620	-	-	ss vf f sshy

# CORE LABORATORIES – CANADA LTD.

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SQUIP PETROFINA BECANCOUR #1  
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## CORE ANALYSIS RESULTS

Sample Number	Depth Metres (m)	m Rep.	Sample Length m	Permeability to Air Millidarcys			Perm. x m	Porosity	Porosity x m	Density : kg/m <sup>3</sup>		Residual Saturation (Fraction of Pore Volume)		Visual Examination
				mD Max.	mD 90°	mD V				Bulk	Grain	Oil	Water	
CORE NO. 3 CONTINUED														
76	1158.92-59.34	0.42	.13	0.20	0.17	0.03	0.084	0.065	0.027	2470	2650	-	-	ss vf f sshy
77	1159.34-59.54	0.20	.12	1.95	1.85	0.92	0.390	0.102	0.020	2370	2610	-	-	ss vf f m sshy
78	1159.54-59.73	0.19	.16	1.57	1.37	0.45	0.298	0.107	0.020	2330	2610	-	-	ss f m sshy
79	1159.73-59.89	0.16	.12	0.26	0.24	0.02	0.042	0.036	0.006	2560	2660	-	-	ss vf f pyr
a 80	1159.89-60.22	0.33	.13	1.02	-	-	0.337	0.085	0.028	2400	2620	-	-	ss f m sshy
81	1160.22-60.48	0.26	.13	1.15	0.97	0.24	0.299	0.063	0.016	2440	2600	-	-	ss f m sshy
82	1160.48-60.70	0.22	.09	0.27	0.27	0.07	0.059	0.085	0.019	2410	2630	-	-	ss vf f sshy
83	1160.70-61.00	0.30	.16	0.33	0.28	0.05	0.099	0.086	0.026	2390	2620	-	-	ss vf f sshy
84	1161.00-61.28	0.28	.23	0.48	0.40	0.40	0.134	0.081	0.023	2400	2610	-	-	ss vf f sshy
85	1161.28-61.61	0.33	.11	0.62	0.49	0.27	0.205	0.096	0.032	2370	2620	-	-	ss vf f sshy
86	1161.61-61.78	0.17	.13	0.23	0.20	0.05	0.039	0.025	0.004	2560	2620	-	-	ss vf f sshy
87	1161.78-61.99	0.21	.11	1.77	1.63	0.70	0.372	0.101	0.021	2350	2610	-	-	ss vf f m sshy
a 88	1161.99-62.20	0.21	.13	0.29	-	-	0.061	0.097	0.020	2360	2620	-	-	ss f m shy
89	1162.20-62.42	0.22	.14	0.57	0.57	0.44	0.125	0.082	0.018	2400	2610	-	-	ss vf f sshy
90	1162.42-62.73	0.31	.10	1.71	1.60	0.08	0.530	0.080	0.025	2420	2630	-	-	ss vf f sshy
91	1162.73-63.08	0.35	.19	0.24	0.21	0.10	0.084	0.067	0.023	2450	2630	-	-	ss vf f sshy
92	1163.08-63.32	0.24	.09	1.03	0.97	0.23	0.247	0.086	0.021	2400	2630	-	-	ss vf f sshy
93	1163.32-63.62	0.30	.15	1.09	1.09	0.39	0.327	0.090	0.027	2380	2620	-	-	ss vf f sshy
94	1163.62-63.94	0.32	.19	1.18	1.08	0.20	0.378	0.087	0.028	2390	2620	-	-	ss vf f sshy
95	1163.94-64.15	0.21	.11	0.24	0.24	0.04	0.050	0.029	0.006	2580	2650	-	-	ss vf f
96	1164.15-64.50	0.35	.25	1.68	1.40	0.17	0.588	0.083	0.029	2400	2620	-	-	ss vf f sshy
97	1164.50-64.90	0.40	.15	0.45	0.34	0.12	0.180	0.057	0.023	2500	2630	-	-	ss vf f sshy
a 98	1164.90-65.12	0.22	.06	0.07	-	-	0.015	0.022	0.005	2610	2670	-	-	ss vf f
99	1165.12-65.34	0.22	.12	0.29	0.27	0.09	0.064	0.060	0.013	2480	2640	-	-	ss vf f sshy
100	1165.34-65.69	0.35	.12	0.31	0.27	0.20	0.109	0.053	0.019	2470	2610	-	-	ss vf f carb
101	1165.69-65.99	0.30	.22	0.14	0.13	0.23	0.042	0.055	0.017	2470	2610	-	-	ss vf f carb
102	1165.99-66.09	0.10	.08	0.27	0.22	0.01	0.027	0.017	0.002	2620	2660	-	-	ss vf f
103	1166.09-66.39	0.30	.22	0.16	0.11	0.07	0.048	0.040	0.012	2520	2630	-	-	ss vf f sshy

# CORE LABORATORIES – CANADA LTD.

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SOQUIP PETROFINA BECANCOUR #1  
 LOCATION

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 ANALYSTS MM PC SL LW

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## CORE ANALYSIS RESULTS

Sample Number	Depth Metres (m)	m Rep.	Sample Length m	Permeability to Air Millidarcys			Perm. x m	Porosity	Porosity x m	Density : kg/m <sup>3</sup>		Residual Saturation (Fraction of Pore Volume)		Visual Examination
				mD Max.	mD 90°	mD V				Bulk	Grain	Oil	Water	
CORE NO. 1 1139.00 m -1143.58 m (REC. 4.58 m) ( 4 BOXES)														
SP 1	1139.00-39.35	0.35	-	0.01	-	-	0.004	0.035	0.012	-	2660	-	-	ss vf f
a 2	1139.35-39.65	0.30	.11	0.03	-	-	0.009	0.029	0.009	2590	2660	-	-	ss vf f pyr
3	1139.65-39.93	0.28	.06	0.22	0.17	0.03	0.062	0.016	0.004	2600	2640	-	-	ss vf f
4	1139.93-40.17	0.24	.11	0.15	0.13	0.04	0.036	0.019	0.005	2600	2640	-	-	ss vf f
a 5	1140.17-40.41	0.24	.08	0.13	-	-	0.031	0.039	0.009	2540	2650	-	-	ss vf f
6	1140.41-40.75	0.34	.09	0.47	0.37	0.04	0.160	0.035	0.012	2550	2640	-	-	ss vf f
7	1140.75-41.09	0.34	.09	0.24	0.15	0.03	0.082	0.022	0.007	2590	2650	-	-	ss vf f
8	1141.09-41.32	0.23	.04	0.52	0.45	0.01	0.120	0.022	0.005	2580	2640	-	-	ss vf f
9	1141.32-41.62	0.30	.09	0.17	0.14	0.02	0.051	0.022	0.007	2590	2650	-	-	ss vf f
10	1141.62-41.89	0.27	.11	0.11	0.11	0.03	0.030	0.013	0.004	2610	2640	-	-	ss vf f
11	1141.89-42.21	0.32	.10	0.36	0.32	0.03	0.115	0.028	0.009	2570	2650	-	-	ss vf f
12	1142.21-42.48	0.27	.11	0.42	0.32	0.02	0.113	0.017	0.005	2600	2640	-	-	ss vf f
a 13	1142.48-42.75	0.27	.14	0.06	-	-	0.016	0.035	0.009	2550	2650	-	-	ss vf f
14	1142.75-43.08	0.33	.14	0.20	0.15	0.05	0.066	0.027	0.009	2580	2650	-	-	ss vf f
15	1143.08-43.22	0.14	.09	0.26	0.26	0.01	0.036	0.013	0.002	2620	2650	-	-	ss vf f
16	1143.22-43.58	0.36	.07	0.03	0.02	<0.01	0.011	0.006	0.002	2640	2650	-	-	ss vf f
DC	1143.58-46.00	2.42	-	-	-	-	-	-	-	-	-	-	-	Drilled core
CORE NO. 2 1146.00 m -1154.95 m (REC. 8.93 m) ( 8 BOXES)														
17	1146.00-46.30	0.30	.20	0.08	0.08	0.04	0.024	0.052	0.016	2510	2640	-	-	ss vf f
18	1146.30-46.54	0.24	.09	0.23	0.16	0.04	0.055	0.064	0.015	2490	2650	-	-	ss vf f
19	1146.54-46.79	0.25	.11	0.18	0.12	0.02	0.045	0.096	0.024	2400	2650	-	-	ss vf f
20	1146.79-47.01	0.22	.17	0.07	0.05	0.02	0.015	0.064	0.014	2480	2650	-	-	ss vf f
21	1147.01-47.17	0.16	.12	0.16	0.10	0.04	0.026	0.074	0.012	2450	2640	-	-	ss vf f
22	1147.17-47.39	0.22	.08	0.99	0.87	0.20	0.218	0.103	0.023	2370	2640	-	-	ss vf f
23	1147.39-47.61	0.22	.15	0.33	0.31	0.05	0.073	0.086	0.019	2410	2640	-	-	ss vf f



# CORE LABORATORIES — CANADA LTD.



## FULL DIAMETER CORE ANALYSIS

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SOQUIP PETROFINA BECANCOUR #1  
 FIELD  
 LOCATION  
 ELEVATION

FORMATION  
 CORING EQUIPMENT DIAMOND  
 CORE DIAMETER (mm) 100  
 CORING FLUID WATER BASE MUD

PAGE 1 OF 6  
 FILE 7004-81-77  
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 ANALYSTS MM PC SL LW

### CLEANING

Solvent -  
 Extraction Equipment -  
 Extraction Time -  
 Drying Equipment GRAVITY OVEN  
 Drying Time 72 HOURS  
 Drying Temperature 132°C

### ANALYSIS

- Pore Volume measured by Boyle's Law in a Hassler holder using helium
- Grain Volume measured by Boyle's Law in a modified U.S.B.M. porosimeter using helium
- Bulk Volume measured by calipering
- Fluid Saturations by retort on end pieces
- Water Saturations by Dean-Stark
- Oil Saturations weight difference in Dean-Stark
- Glazed Surface removed by sand-blasting prior to horizontal permeability measurements

- \* Broken core (mD90° used for summary purposes)
- \*\* Permeability greater than 30 000 mD
- a Permeability measured on a small plug sample taken to ensure measurement of matrix permeability
- b Permeability measured on a small plug sample taken out of the full diameter sample because of the broken nature of the core.

- = <

AST = Appears similar to

### DESCRIPTION

ss = Sandstone      dol = Dolomite  
 cgl = Conglomerate      f = fine  
 brec = Breccia      m = medium  
 sltst = Siltstone      c = coarse  
 sh = Shale      i = intergranular  
 ls = Limestone      xln = crystalline

### DESCRIPTION

vug = vuggy(ular)      fos = fossil (iferous)  
 p-pv = pinpoint vugs      calc = calcite(areous)  
 sv = small vugs      anhy = anhydrite(ic)  
 lv = large vugs      cht = chert  
 v = very      chty = cherty  
 / = with      fest = Ironstone  
 sl = slightly      pyrbit = pyrobitumen  
 tr = trace      glauc = glauconite(ic)  
 scat = scattered      pyr = pyrite(ic)  
 gr = grain(ed)      styl = stylolite(ic)  
 pbl = pebble      bk = break  
 suc = sucrosic      lam = laminated  
 slty = silty      fri = friable  
 shy = shaly      uncons = unconsolidated  
 arg = argillaceous      frac = fracture  
 sdy = sandy      h frac = horizontal fracture  
 lmy = limy      vert frac = vertical fracture  
 carb = carbonaceous      sp = small plug sample

# CORE LABORATORIES - CANAL LTD.

COMPANY SOCIETE QUEBECOISE D'INITIATIVES PETROLIERES  
 WELL SOQUIP PETROFINA BECANCOUR #1  
 LOCATION

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 ANALYSTS MM PC SL LW

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## CORE ANALYSIS RESULTS

Sample Number	Depth Metres (m)	m Rep.	Sample Length m	Permeability to Air Millidarcys			Perm. x m	Porosity	Porosity x m	Density : kg/m <sup>3</sup>		Residual Saturation (Fraction of Pore Volume)		Visual Examination
				mD Max.	mD 90°	mD V				Bulk	Grain	Oil	Water	
CORE NO. 3 CONTINUED														
104	1166.39-66.59	0.20	.18	0.49	0.43	0.06	0.098	0.067	0.013	2440	2610	-	-	ss vf f sshy
105	1166.59-66.84	0.25	.13	0.63	0.58	0.12	0.158	0.075	0.019	2420	2620	-	-	ss vf f sshy
106	1166.84-67.09	0.25	.11	0.95	0.95	0.21	0.238	0.072	0.018	2430	2610	-	-	ss vf f sshy
a 107	1167.09-67.36	0.27	.13	0.43	-	-	0.116	0.085	0.023	2380	2600	-	-	ss f m carb
a 108	1167.36-67.67	0.31	.15	0.82	-	-	0.254	0.092	0.029	2370	2610	-	-	ss f m carb
a 109	1167.67-67.93	0.26	.22	0.52	-	-	0.135	0.093	0.024	2350	2600	-	-	ss f m carb
a 110	1167.93-68.21	0.28	.23	0.22	-	-	0.062	0.092	0.026	2360	2600	-	-	ss f m carb
111	1168.21-68.34	0.13	.11	0.85	0.85	0.17	0.111	0.091	0.012	2380	2610	-	-	ss vf f sshy
112	1168.34-68.62	0.28	.15	0.13	0.11	0.03	0.036	0.073	0.020	2440	2640	-	-	ss vf f
113	1168.62-68.86	0.24	.11	0.19	0.19	0.10	0.046	0.042	0.010	2530	2650	-	-	ss vf f
114	1168.86-69.06	0.20	.17	0.16	0.16	0.03	0.032	0.032	0.006	2620	2710	-	-	ss vf f pyr
115	1169.06-69.23	0.17	.08	0.24	0.18	0.04	0.041	0.042	0.007	2550	2660	-	-	ss vf f
116	1169.23-69.63	0.40	.23	0.45	0.44	0.14	0.180	0.073	0.029	2420	2610	-	-	ss vf f sshy
117	1169.63-69.87	0.24	.12	0.66	0.60	0.26	0.158	0.107	0.026	2340	2620	-	-	ss vf f sshy
118	1169.87-70.22	0.35	.09	0.51	0.48	0.18	0.179	0.064	0.022	2460	2630	-	-	ss vf f sshy
119	1170.22-70.52	0.30	.15	0.60	0.60	0.12	0.180	0.073	0.022	2430	2620	-	-	ss vf f sshy
120	1170.52-70.77	0.25	.11	1.02	0.66	0.16	0.255	0.076	0.019	2440	2620	-	-	ss vf f sshy
SP 121	1170.77-70.84	0.07	-	<0.01	-	-	-	0.006	0.000	-	2650	-	-	ss vf f
122	1170.84-71.00	0.16	.11	0.32	0.28	0.10	0.051	0.041	0.007	2530	2640	-	-	ss vf f
a 123	1171.00-71.30	0.30	.15	0.21	-	-	0.063	0.056	0.017	2480	2630	-	-	ss f m sshy
124	1171.30-71.62	0.32	.19	0.20	0.20	0.02	0.064	0.050	0.016	2490	2620	-	-	ss vf f sshy
125	1171.62-71.89	0.27	.10	0.34	0.28	0.11	0.092	0.050	0.014	2500	2630	-	-	ss vf f sshy
126	1171.89-72.21	0.32	.08	0.71	0.52	0.19	0.227	0.062	0.020	2480	2640	-	-	ss vf f sshy
a 127	1172.21-72.45	0.24	.16	0.14	-	-	0.034	0.076	0.018	2430	2630	-	-	ss f m shy

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1

LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18

K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: --

Méthode de production / Method of production: DST No. 1 (top)

Quantité produite / Recovery: 90 m muddy salt water

Point d'échantillonnage / Sample from: 1335 - 1370 m KB

Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-15

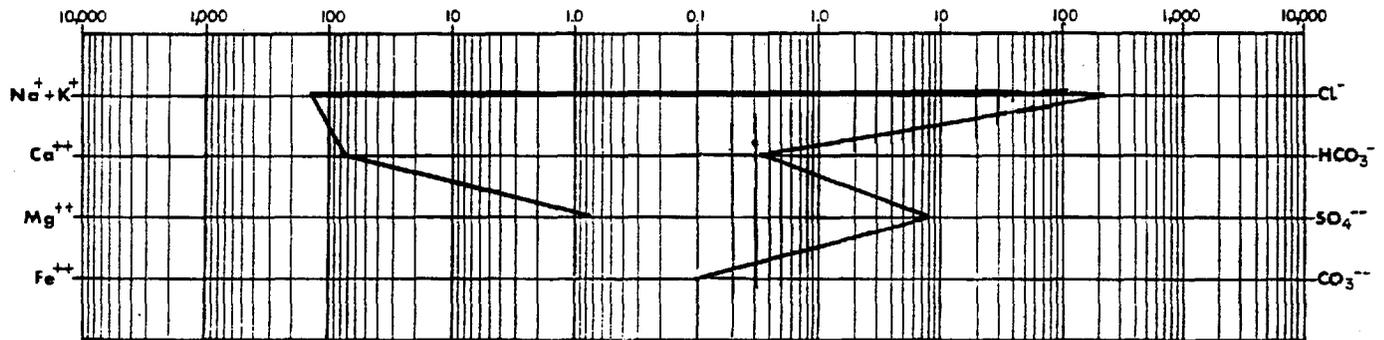
Gravité spécifique / Specific gravity @ 20°C 1.005 pH: 8.0 @ 25°C

Résistivité / Resistivity - ohm-m @ 25°C 0.057 H<sub>2</sub>S: -

Solides totaux dissous / Total solids dissolved - mg/l : 14 100

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>		CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
MgO-%MEQ/l	1960	2160	1500	9.2			< 1	384	20	7500
	83.04	55.24	74.85	0.76	-		< 0.03	8.00	0.33	211
	19.2	12.8	17.3	0.2			< 0.1	1.8	0.1	48.7

MODÈLE / PATTERN - MEQ/l



Remarques:

Analysé par / Analysed by:

LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim

Par/By: Marcel Soucy

Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1

LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18

K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: --

Méthode de production / Method of production: DST No. 1 (middle)

Quantité produite / Recovery: 90 m muddy salt water

Point d'échantillonnage / Sample from: 1335 - 1370 m KB

Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-15

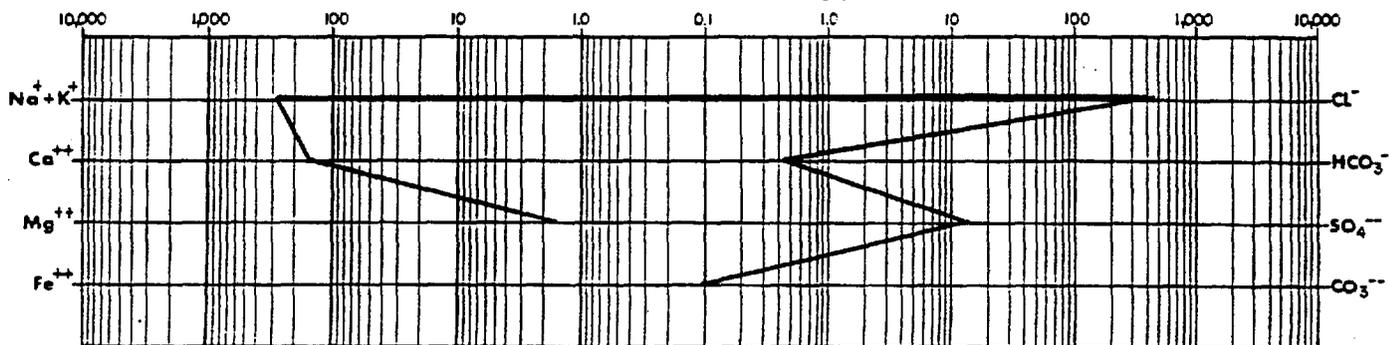
Gravité spécifique / Specific gravity @ 20 °C 1.018 pH: 8.0 @ 25 °C

Résistivité / Resistivity - ohm-m @ 25 °C 0.033 H<sub>2</sub>S:                     

Solides totaux dissous / Total solids dissolved - mg/l : 27 000

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	3880	4400	2970	20				< 1	660	27	15000
MEQ/l	168.70	112.53	148.20	1.64	-			< 0.03	13.74	0.44	423.01
% MEQ/l	19.7	13.1	17.3	0.2	-			< 0.1	1.6	0.1	49.4

MODELE / PATTERN - MEQ/l



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim  
Par/By: Marcel Soucy  
Date: 11-03-81

# SOQUIP

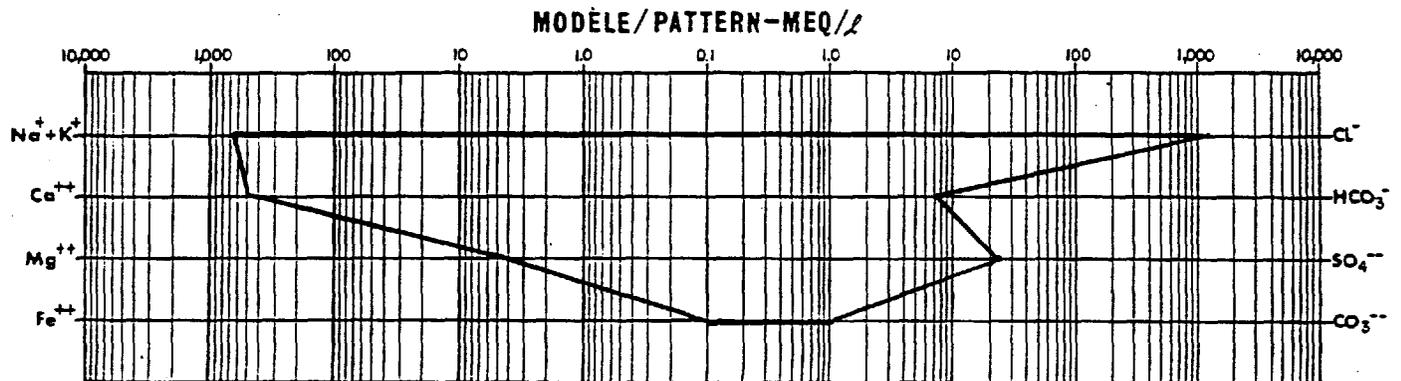
## ANALYSE D'EAU/WATER ANALYSIS

**PUITS/WELL:** SOQUIP PETROFINA BECANCOUR NO. 1  
**LOCALISATION/LOCATION:** 5 137 819.395 m N 699 110.428 m E Zone 18  
**K.B.:** 12.82 m **G.L.:** 7.52 m **T.D.:** 1372 m KB **P.B.T.D.:** --

**Méthode de production / Method of production:** DST No. 1 (Bottom)  
**Quantité produite / Recovery:** 90 m muddy salt water  
**Point d'échantillonnage / Sample from:** 1335 - 1370 m KB  
**Échantillonné par / Sample taken by:** J. Boudreault **Date:** 1981-01-15

**Gravité spécifique / Specific gravity @ 20 °C** 1.047 **pH:** 8.9 **@ 25 °C**  
**Résistivité / Resistivity - ohm-m @ 25 °C** 0.019 **H<sub>2</sub>S:** -  
**Solides totaux dissous / Total solids dissolved - mg/l :** 70 100

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	10400	8400	9930	54	1.0			31	1150	46	39100
MEQ-%	452.17	214.83	495.51	4.44	< 0.1			1.03	23.94	0.75	1102.65
MEQ/l	19.7	9.4	21.6	0.2	< 0.1			< 0.1	1.0	< 0.1	48



**Remarques:**

Analysé par/Analysed by:

LABORATOIRE DE GENIE SANITAIRE  
 DU QUEBEC INC.

Marcel Soucy, D. Sc. chim

Par/By: *Marcel Soucy*

Date: 11-03-81

# SOQUIP

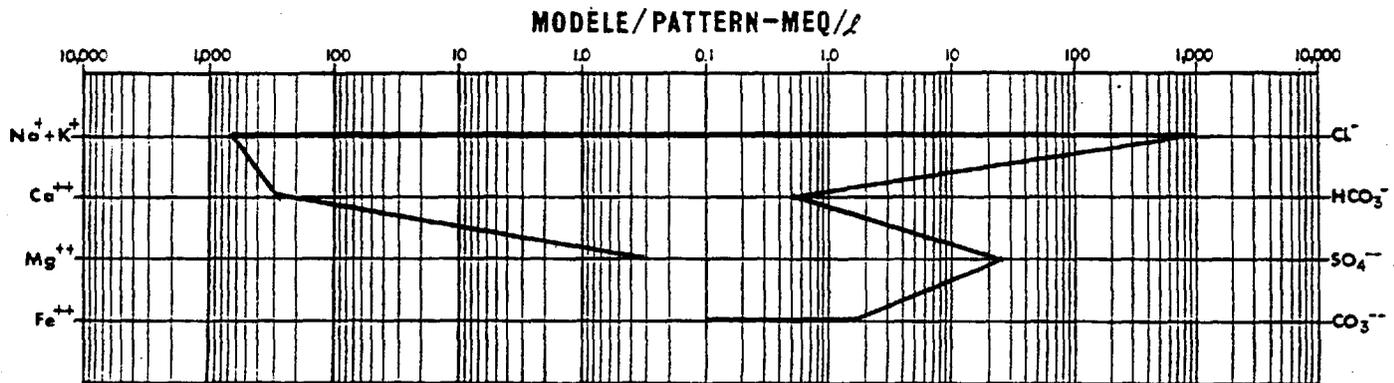
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: -----

Méthode de production / Method of production: DST NO. 2 (Top)  
 Quantité produite / Recovery: 90 m slightly gasified muddy salt water  
 Point d'échantillonnage / Sample from: 1130 -1150 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-17

Gravité spécifique / Specific gravity @ 20°C 1.039 pH: 9.5 @ 25 °C  
 Résistivité / Resistivity -ohm-m @ 25 °C 0.020 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved -mg/l : 60 900

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	9200	8800	5770	3.9				50	1270	31	33500
MEQ/l	400	225.06	287.92	0.32				1.67	26.44	0.51	944.73
%	21.2	11.9	15.3	< 0.1				0.1	1.4	< 0.1	50.1



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim  
 Par/By: Marcel Soucy  
 Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1

LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18

K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: -----

Méthode de production / Method of production: DST NO. 2 (middle)

Quantité produite / Recovery: 90 m slighty gasified muddy salt water

Point d'échantillonnage / Sample from: 1130 - 1150 m KB

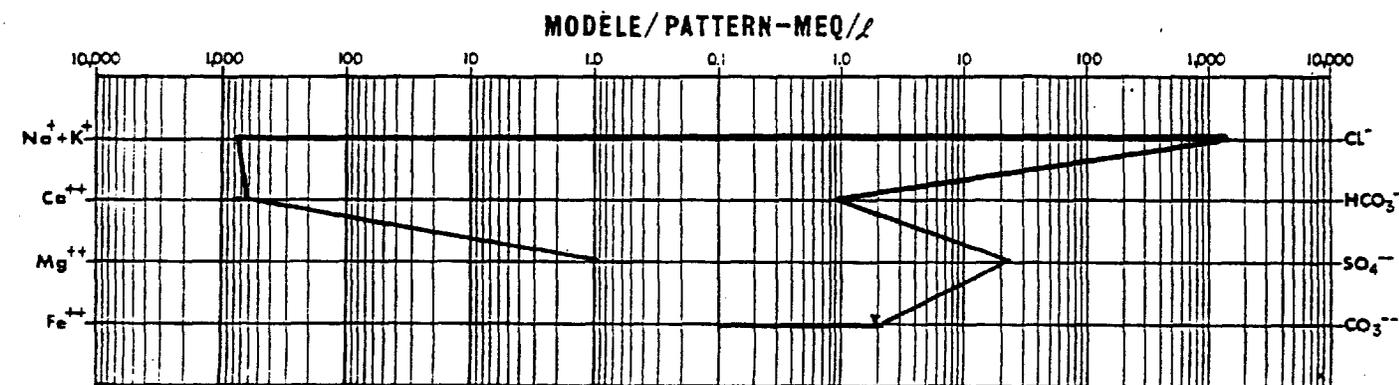
Échantillonné par / Sample taken by: J. Boudreault Date: 81-01-17

Gravité spécifique / Specific gravity @ 20 °C 1.059 pH: 9.5 @ 25 °C

Résistivité / Resistivity - ohm-m @ 25 °C 0.018 H<sub>2</sub>S: -----

Solides totaux dissous / Total solids dissolved - mg/l : 91 500

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	12400	8000	13000	12				65	1070	57	50100
MEQ/l	539.13	204.60	648.70	0.99	-			2.17	22.28	0.93	1412.86
MEQ-%	19.0	7.2	22.9	< 0.1				0.1	0.8	< 0.1	49.9



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par / By: Marcel Soucy, D. Sc. chim  
Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

**PUITS/WELL:** SOQUIP PETROFINA BECANCOUR NO. 1

**LOCALISATION/LOCATION:** 5 137 819.395 m N 699 110.428 m E Zone 18

**K.B.:** 12.82 m **G.L.:** 7.52 m **T.D.:** 1372 m KB **P.B.T.D.:** -----

**Méthode de production / Method of production:** DST NO. 2 (bottom)

**Quantité produite / Recovery:** 90 m slightly gasified muddy salt water

**Point d'échantillonnage / Sample from:** 1130 - 1150 m KB

**Échantillonné par / Sample taken by:** J. Boudreault **Date:** 81-01-17

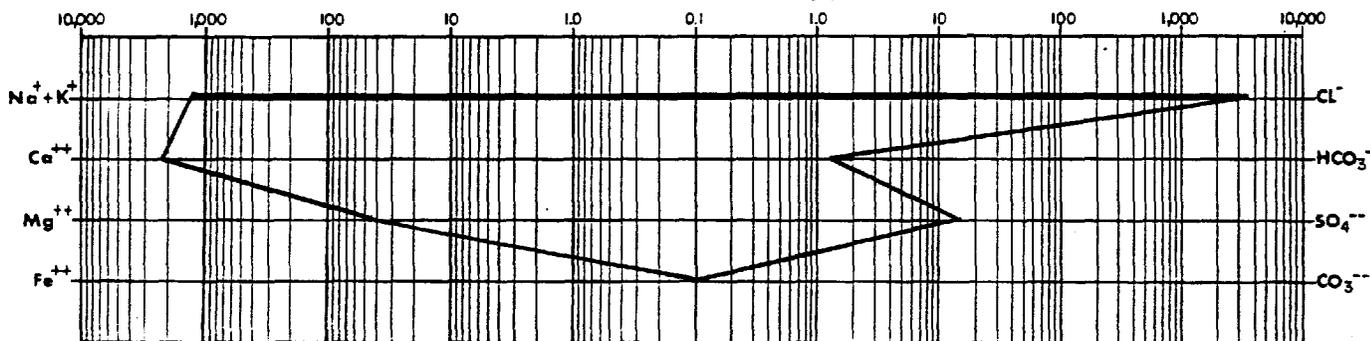
**Gravité spécifique / Specific gravity @ 20°C** 1.145 **pH:** 8.3 **@ 25°C**

**Résistivité / Resistivity - ohm-m @ 25°C** 0.015 **H<sub>2</sub>S:** -----

**Solides totaux dissous / Total solids dissolved - mg/l :** 206 900

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>		CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	24000	4800	41000	560	2.9		< 1	775	76	120600
MEQ/l	1043.48	122.76	2045.91	46.05	0.104		< 0.03	16.14	1.25	3401.02
% MEQ/l	15.6	1.8	30.6	0.7	< 0.1		< 0.1	0.2	< 0.1	50.9

MODÈLE / PATTERN - MEQ/l



**Remarques:**

**Analysé par / Analysed by:** LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

**Par / By:** Marcel Soucy, p. Sc. chim  
Marcel Soucy  
**Date:** 11-03-81

# SOQUIP

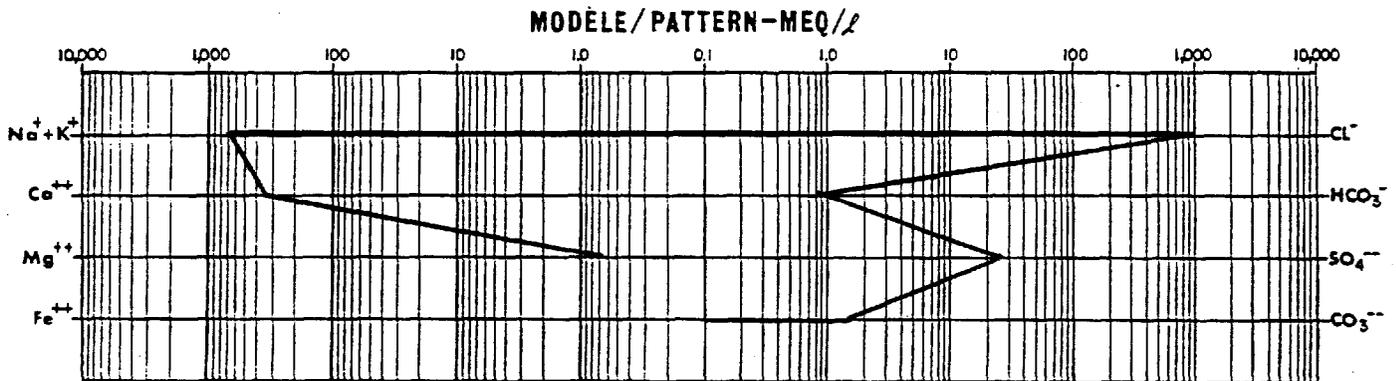
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD.: ----

Méthode de production / Method of production: DST NO. 3 (Top)  
 Quantité produite / Recovery: Gas and 318 m of gasified drilling fluid  
 Point d'échantillonnage / Sample from: 1028 - 1048 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 81-01-17

Gravité spécifique / Specific gravity @ 20 °C 1.039 pH: 9.0 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.092 H<sub>2</sub>S: -  
 Solides totaux dissous / Total solids dissolved - mg/L : 61 300

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	9600	8400	6320	8.3				46	1270	55	34000
MEQ-%/MEQ/l	417.39	214.83	315.37	0.68				1.53	26.44	0.90	958.83
	21.6	11.1	16.3	< 0.1				0.1	1.4	< 0.1	49.5



Remarques: Some mud lost in the hole 35 min after V0

Analysé par / Analyzed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par / By: Marcel Soucy, D Sc. chim  
 Date: 11-05-81

# SOQUIP

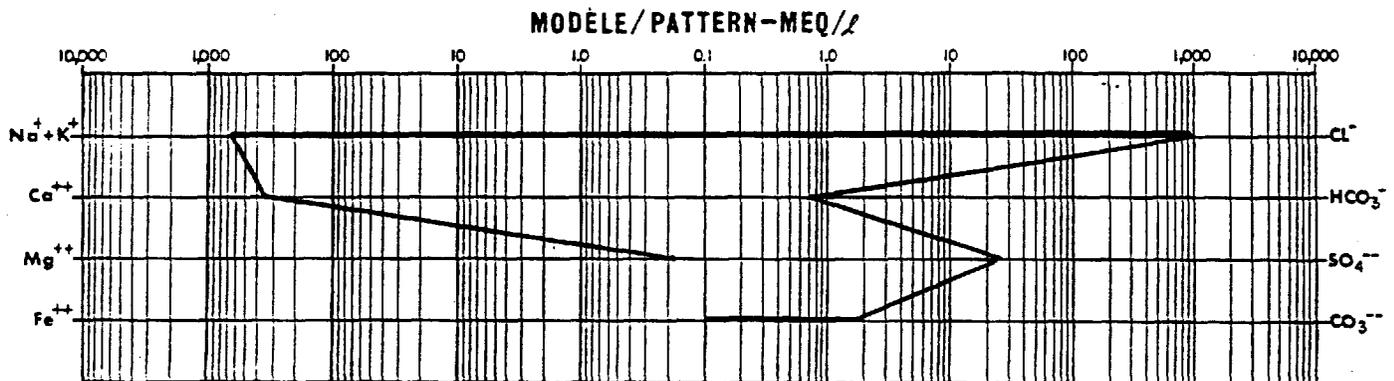
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD.: ----

Méthode de production / Method of production: DST NO. 3 (middle)  
 Quantité produite / Recovery: Gas and 318 m of gasified drilling fluid  
 Point d'échantillonnage / Sample from: 1028 - 1048 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 81-01-17

Gravité spécifique / Specific gravity @ 20 °C 1.041 pH: 9.3 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.022 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 64 000

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>		CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	10000	8000	6330	2.3			54	1200	46	35100
MEQ/l	434.78	204.60	315.87	0.19	-		1.80	24.98	0.75	989.85
MEQ/l	22.0	10.4	16.0	<0.1			0.1	1.3	<0.1	50.2



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par / By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

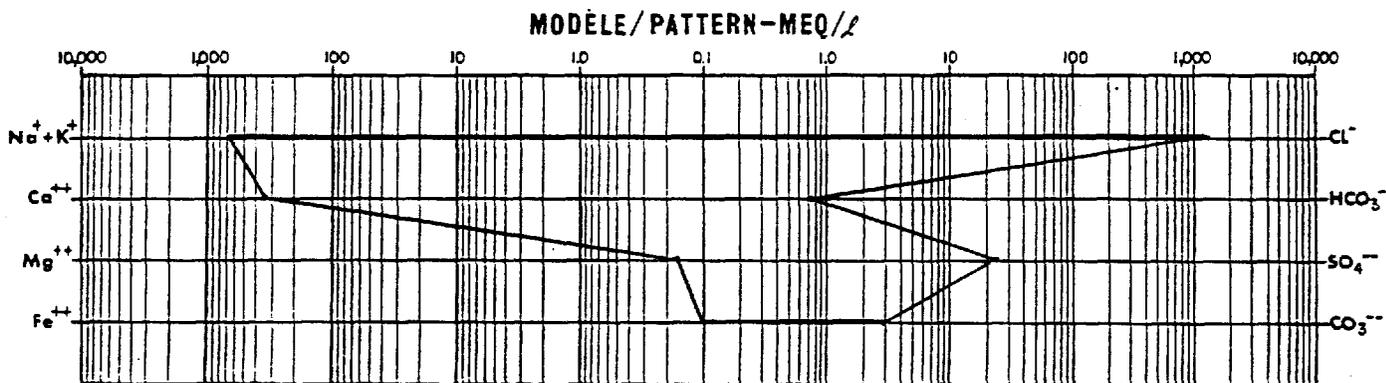
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD: -----

Méthode de production / Method of production: DST NO. 3 (bottom)  
 Quantité produite / Recovery: Gas and 318 m of gasified drilling fluid  
 Point d'échantillonnage / Sample from: 1028 - 1048 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 81-01-17

Gravité spécifique / Specific gravity @ 20 °C 1.043 pH: 9.2 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.021 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 63 100

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	10400	8800	6810	2.1	0.8			88	1220	46	36200
MEQ-% MEQ/l	452.17	225.06	339.82	0.17	<0.1			2.93	25.40	0.75	1020.87
MEQ-%	21.9	10.9	16.4	<0.1	<0.1			0.1	1.2	<0.1	49.4



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D.Sc. chim  
 Date: 11-03-87

# SOQUIP

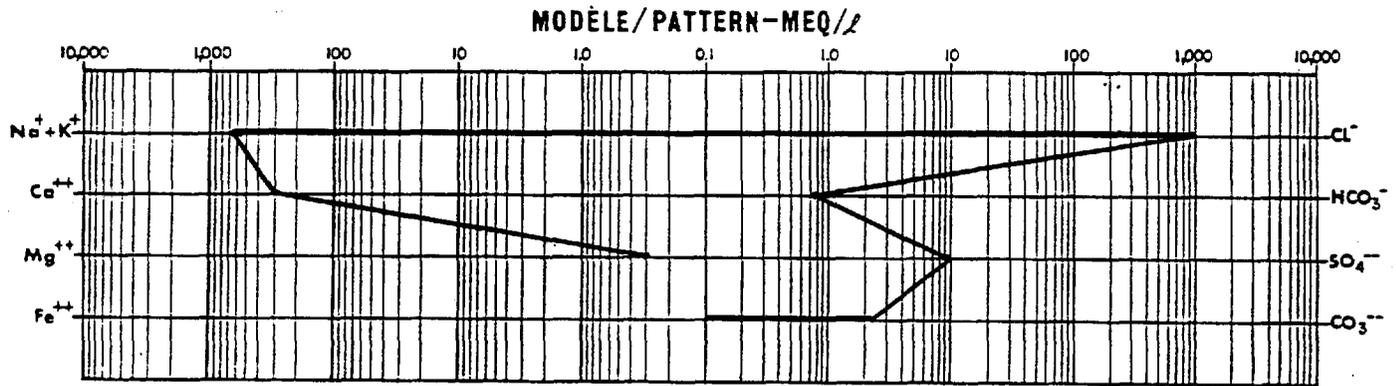
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: -----

Méthode de production / Method of production: DST 4/5 (Top)  
 Quantité produite / Recovery: Gas on No. 4, misrun on No. 5 140 m gasified drilling fluid  
 Point d'échantillonnage / Sample from: 970-990 m KB 932-952 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-18

Gravité spécifique / Specific gravity @ 20°C 1.041 pH: 9.1 @ 25°C  
 Résistivité / Resistivity - ohm-m @ 25°C 0.021 H<sub>2</sub>S: -  
 Solides totaux dissous / Total solids dissolved - mg/l : 60 300

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	9600	8400	6010	3.6				68	472	46	33200
MEQ/l	417.39	214.83	299.90	0.30	-			2.27	9.83	0.75	936.27
MEQ/l	22.2	11.4	15.9	< 0.1				0.1	0.5	< 0.1	49.8



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par / By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

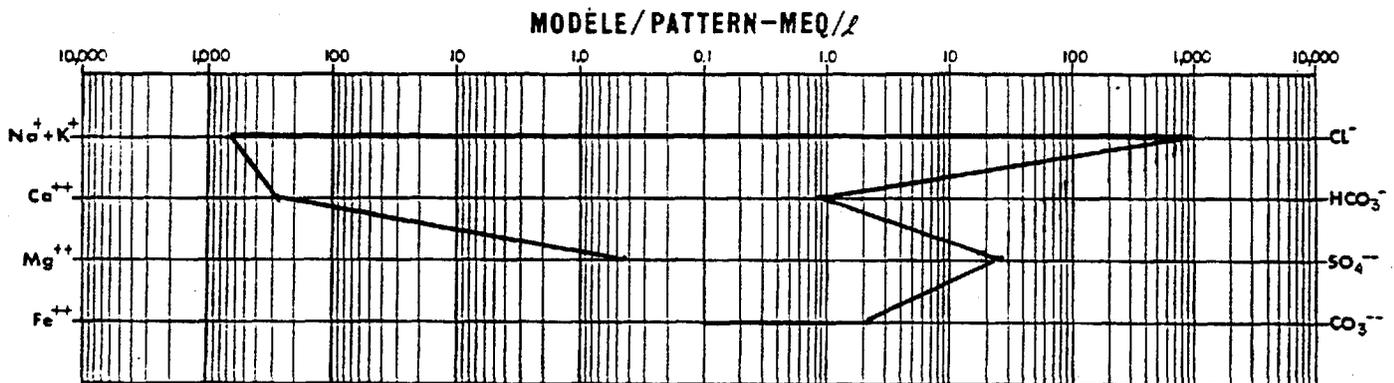
## ANALYSE D'EAU/WATER ANALYSIS

**PUITS/WELL:** SOQUIP PETROFINA BECANCOUR NO. 1  
**LOCALISATION/LOCATION:** 5 137 819.395 m N 699 110.428 m E Zone 18  
**K.B.:** 12.82 m **G.L.:** 7.52 m **T.D.:** 1372 m KB **P.B.T.D.:** ----

**Méthode de production / Method of production:** DST 4/5 (middle)  
**Quantité produite / Recovery:** Gas on No. 4, misrun on No. 5 140 m gasified drilling fluid  
**Point d'échantillonnage / Sample from:** 970-990 m KB 932-952 m KB  
**Échantillonné par / Sample taken by:** J. Boudreault **Date:** 1981-01-18

**Gravité spécifique / Specific gravity @ 20 °C** 1.042 **pH:** 8.9 **@ 25 °C**  
**Résistivité / Resistivity - ohm-m @ 25 °C** 0.023 **H<sub>2</sub>S:** \_\_\_\_\_  
**Solides totaux dissous / Total solids dissolved - mg/l :** 60 000

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	9600	9200	5760	5.2				62	1275	51	34300
MEQ/l	417.39	235.29	287.43	0.43				2.07	26.55	0.84	967.29
MEQ/l	21.5	12.1	14.8	< 0.1				0.1	1.4	< 0.1	49.9



Remarques:

Analysé par/Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim  
 Par/By: Marcel Soucy  
 Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1

LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18

K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD: ----

Méthode de production / Method of production: DST 4/5 (bottom)

Quantité produite / Recovery: Gas on No.4, misrun on No.5 140 m gasified drilling fluid

Point d'échantillonnage / Sample from: 970-990 m KB 932-952 m KB

Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-18

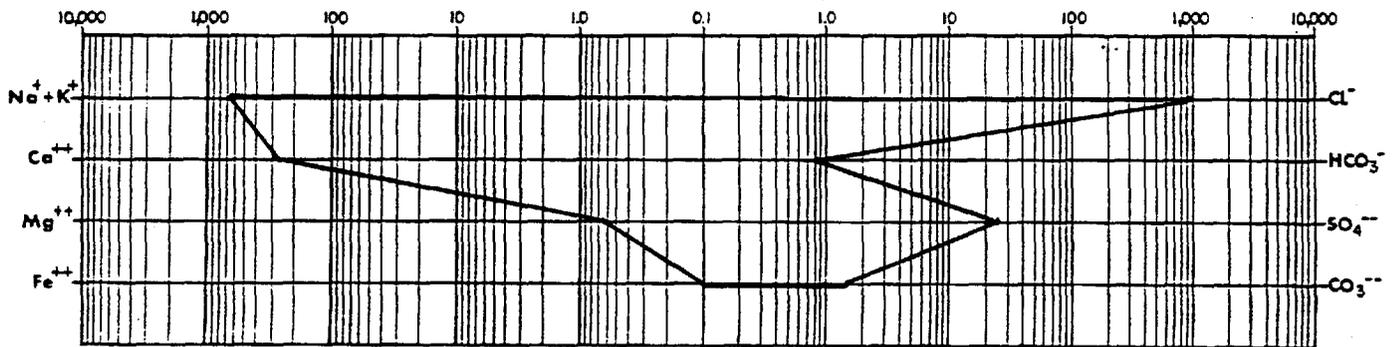
Gravité spécifique / Specific gravity @ 20 °C 1.041 pH: 8.9 @ 25 °C

Résistivité / Resistivity - ohm-m @ 25 °C 0.022 H<sub>2</sub>S: \_\_\_\_\_

Solides totaux dissous / Total solids dissolved - mg/l : 59900

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	9600	8800	5720	7.7	0.9			48	1200	50	33800
MEQ-%	417.39	225.06	285.43	0.63	<0.1			1.60	24.98	0.82	953.19
MEQ/l	21.9	11.8	15.0	<0.1	<0.1			0.1	1.3	<0.1	49.9

MODÈLE / PATTERN - MEQ/l



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D.Sc. chim  
Date: 11-03-81

# SOQUIP

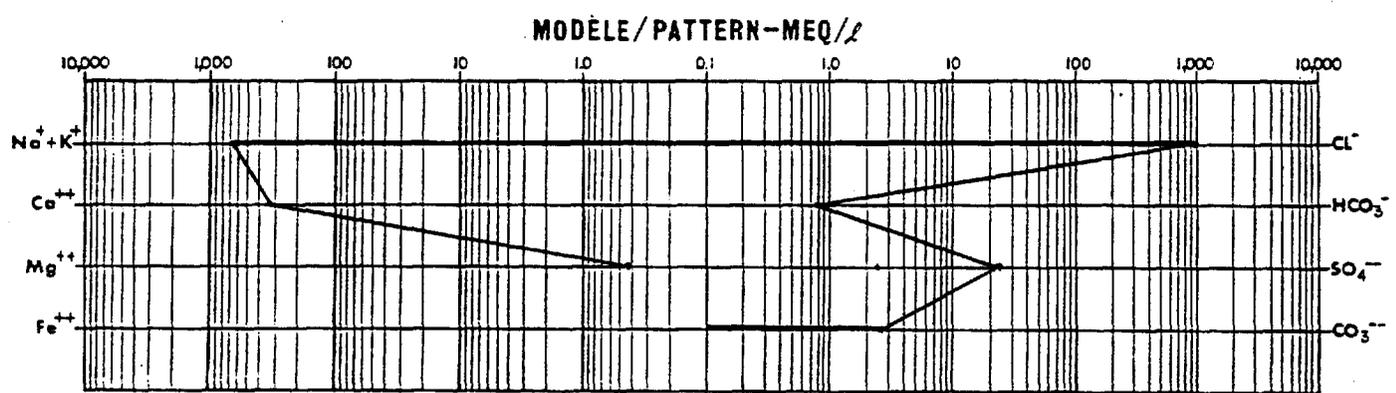
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD.: ----

Méthode de production / Method of production: DST NO. 6 (top)  
 Quantité produite / Recovery: 12 m of drilling fluid  
 Point d'échantillonnage / Sample from: 939 - 952 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-18

Gravité spécifique / Specific gravity @ 20 °C 1.041 pH: 9.1 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.020 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 63 000

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	10000	8400	6240	5.1				80	1140	48	34800
MEQ/l	434.78	214.83	311.38	0.42				2.67	23.74	0.79	981.39
MEQ-%	22.1	10.9	15.8	<0.1				0.1	1.2	<0.1	49.8



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim  
 Par/By: Marcel Soucy  
 Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

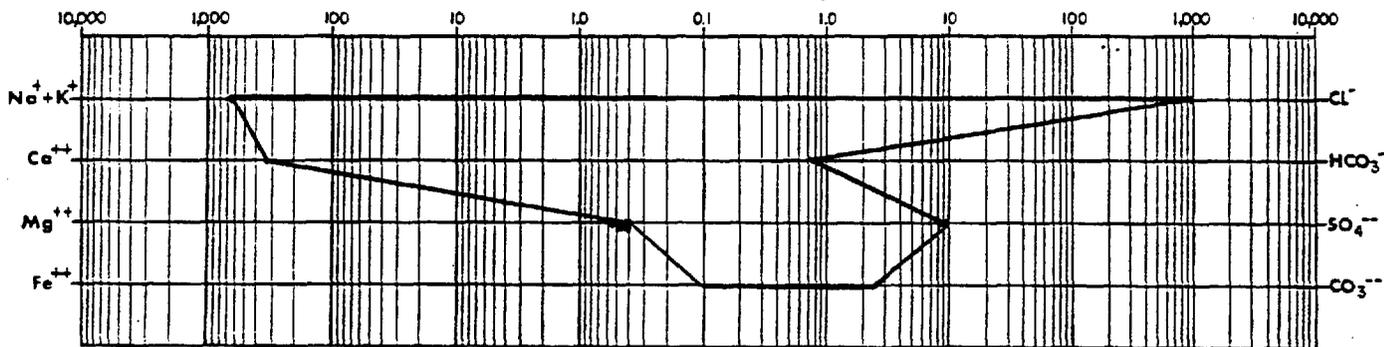
PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD.: ----

Méthode de production / Method of production: DST No. 6 (bottom)  
 Quantité produite / Recovery: 12 m of drilling fluid  
 Point d'échantillonnage / Sample from: 939 - 952 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-18

Gravité spécifique / Specific gravity @ 20 °C 1.041 pH: 9.1 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.020 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 63 300

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	10400	8400	6330	4.9	0.92			79	472	45	34300
MEQ/l	452.17	214.83	315.87	0.40	<0.1			2.63	9.83	0.74	967.29
MEQ/l	23.0	10.9	16.1	<0.1	<0.1			0.1	0.5	<0.1	49.3

MODÈLE / PATTERN - MEQ/l



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

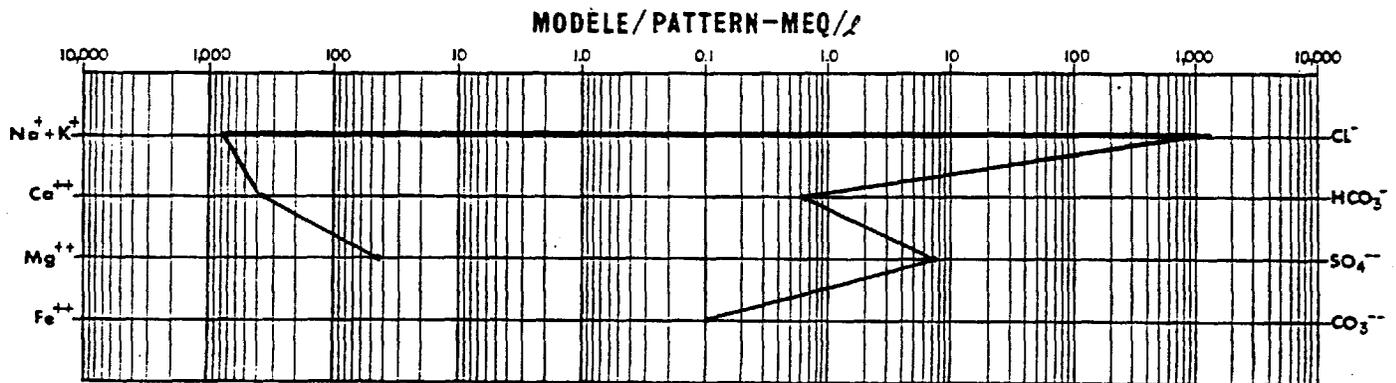
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD.: ----

Méthode de production / Method of production: DST No. 7 (top)  
 Quantité produite / Recovery: Gas & 451 m of gasified salt water  
 Point d'échantillonnage / Sample from: 795 - 835 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-19

Gravité spécifique / Specific gravity @ 20 °C 1.050 pH: 8.2 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25°C 0.019 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 76 900

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>		CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	12800	6800	7740	560			< 1	344	38	41800
MEQ/l	556.52	173.91	386.23	46.05			< 0.03	7.16	0.62	1178.79
MEQ/l	23.7	7.4	16.4	2.0			< 0.1	0.3	< 0.1	50.2



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

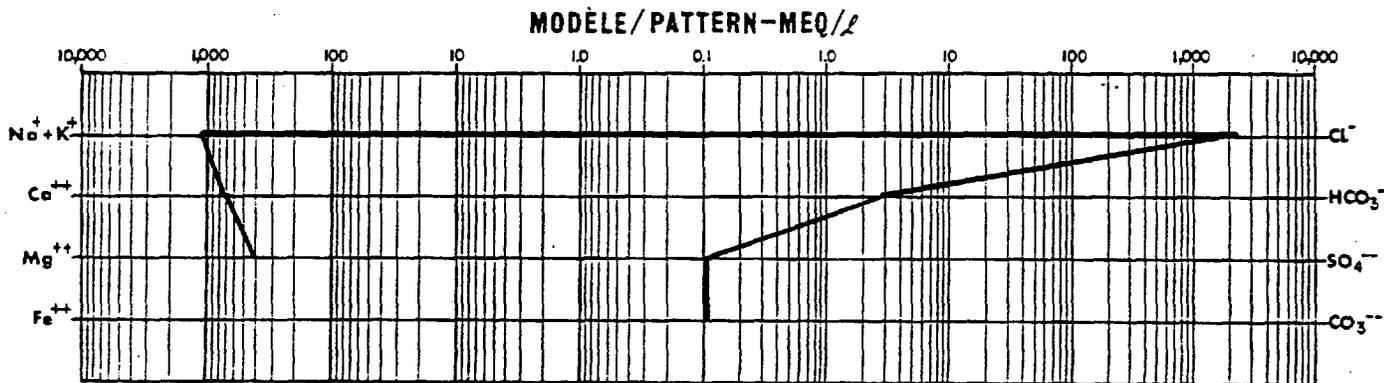
## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD: ----

Méthode de production / Method of production: DST NO. 7 (middle)  
 Quantité produite / Recovery: Gas & 451 m of gasified salt water  
 Point d'échantillonnage / Sample from: 795 - 835 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-19

Gravité spécifique / Specific gravity @ 20°C 1.091 pH: 6.1 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.017 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 142 000

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>2</sub> <sup>---</sup>	SO <sub>4</sub> <sup>---</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	22400	1560	13800	5000				< 1	1.6	181	75 400
MEQ/l	973.91	39.90	688.62	411.18				< 0.03	0.03	2.97	2126.34
MEQ/l	23.0	0.9	16.2	9.7				< 0.1	< 0.1	0.1	50.1



Remarques: Small precipitation of iron in the filtered sample.

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

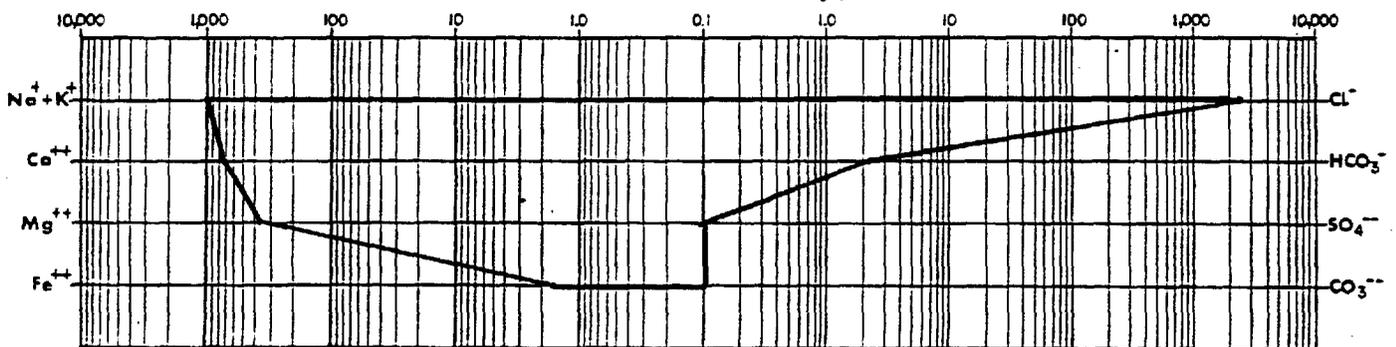
PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1  
 LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone 18  
 K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB PBTD: ----

Méthode de production / Method of production: DST NO. 7 (bottom)  
 Quantité produite / Recovery: Gas & 451 m of gasified salt water  
 Point d'échantillonnage / Sample from: 795-835 m KB  
 Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-19

Gravité spécifique / Specific gravity @ 20 °C 1.090 pH: 5.8 @ 25 °C  
 Résistivité / Resistivity - ohm-m @ 25 °C 0.022 H<sub>2</sub>S: \_\_\_\_\_  
 Solides totaux dissous / Total solids dissolved - mg/l : 144 200

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	CL <sup>-</sup>
mg/l	22400	1480	14500	4600	49.7			< 1	3.2	129	83100
MEQ/l	973.91	37.85	723.55	378.29	1.78			< 0.03	0.07	2.11	2343.49
MEQ-%	21.8	0.8	16.2	8.5	< 0.1			< 0.1	< 0.1	< 0.1	52.6

MODÈLE / PATTERN - MEQ/l



Remarques: Large iron precipitation in the filtered sample.

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Par/By: Marcel Soucy, D. Sc. chim  
 Date: 11-03-81

# SOQUIP

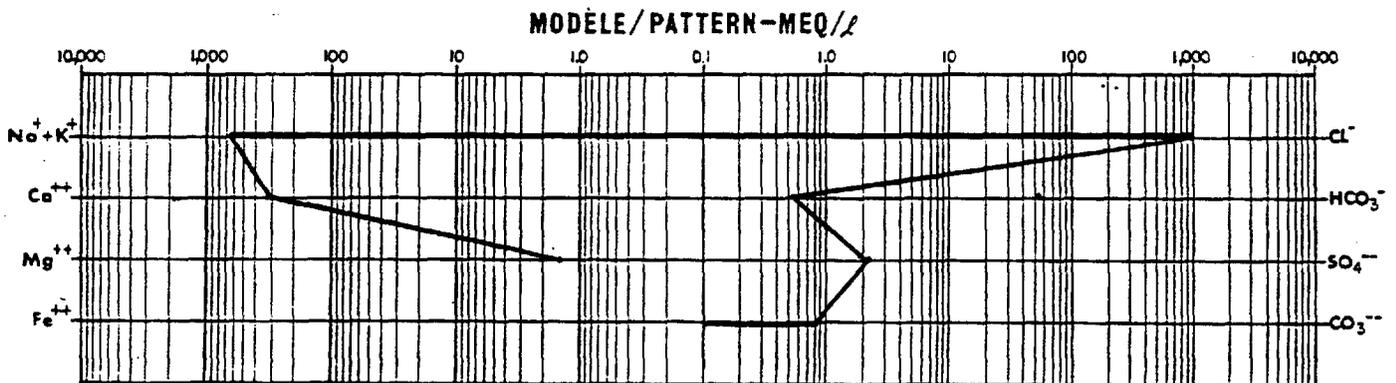
## ANALYSE D'EAU/WATER ANALYSIS

**PUITS/WELL:** SOQUIP PETROFINA BECANCOUR NO. 1  
**LOCALISATION/LOCATION:** 5 137 819.395 m N 699 110.428 m E Zone 18  
**K.B.:** 12.82 m **G.L.:** 7.52 m **T.D.:** 1372 m KB **PBTD.:** ----

**Méthode de production / Method of production:** DST NO. 8 (top)  
**Quantité produite / Recovery:** 30 m drilling fluid  
**Point d'échantillonnage / Sample from:** 1094-1101 m KB  
**Échantillonné par / Sample taken by:** J. Boudreault **Date:** 1981-01-20

**Gravité spécifique / Specific gravity @ 20 °C** 1.040 **pH:** 9.0 **@ 25 °C**  
**Résistivité / Resistivity - ohm-m @ 25 °C** 0.026 **H<sub>2</sub>S:** -----  
**Solides totaux dissous / Total solids dissolved - mg/l :** 60 500

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>			CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	10400	6800	6310	16				26	1020	33	34000
MEQ/l	452.17	173.91	314.87	1.32				0.87	21.24	0.54	958.83
	23.5	9.0	16.4	0.1				< 0.1	1.1	< 0.1	49.8



Remarques:

Analysé par / Analysed by: LABORATOIRE DE GENIE SANITAIRE  
DU QUEBEC INC.

Marcel Soucy, D. Sc. chim  
 Par/By: Marcel Soucy  
 Date: 11-03-87

# SOQUIP

## ANALYSE D'EAU/WATER ANALYSIS

PUITS/WELL: SOQUIP PETROFINA BECANCOUR NO. 1

LOCALISATION/LOCATION: 5 137 819.395 m N 699 110.428 m E Zone J8

K.B.: 12.82 m G.L.: 7.52 m T.D.: 1372 m KB P.B.T.D.: ----

Méthode de production / Method of production: DST NO. 8 (Bottom)

Quantité produite / Recovery: 30 m drilling fluid

Point d'échantillonnage / Sample from: 1094-1101 m KB

Échantillonné par / Sample taken by: J. Boudreault Date: 1981-01-20

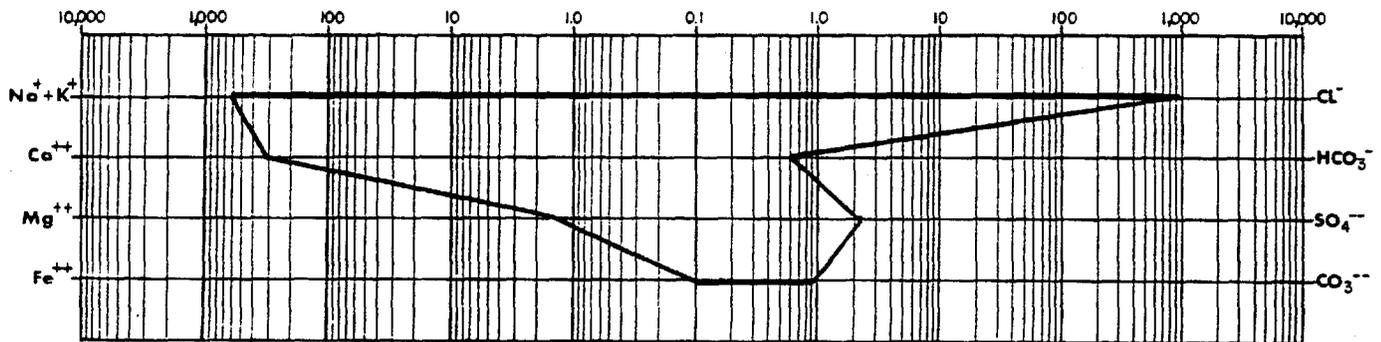
Gravité spécifique / Specific gravity @ 20 °C 1.038 pH: 9.0 @ 25 °C

Résistivité / Resistivity - ohm-m @ 25 °C 0.030 H<sub>2</sub>S: -----

Solides totaux dissous / Total solids dissolved - mg/l : 59 400

	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>++</sup>	Mg <sup>++</sup>	Fe <sup>++</sup>		CO <sub>3</sub> <sup>--</sup>	SO <sub>4</sub> <sup>--</sup>	HCO <sub>3</sub> <sup>-</sup>	Cl <sup>-</sup>
mg/l	10000	6800	6140	20	1.1		29	1020	37	33500
MEQ/l	434.78	173.91	306.39	1.64	< 0.1		0.97	21.24	0.61	944.73
%	23.1	9.2	16.3	0.1	< 0.1		0.1	1.1	< 0.1	50.1

MODELE / PATTERN - MEQ/l



Remarques:

Analysé par / Analysed by:

LABORATOIRE DE GENIE SANITAIRE

DU QUEBEC INC.

Marcel Soucy, D. Sc. chim

Par/By: Marcel Soucy

Date: 11-03-81

#### IV- INGENIERIE

##### 7. Problème de forage

1. Une invasion d'eau s'est produite à 872m. On augmente la densité à 1080kg/m.
2. A 1042m on augmente la densité de la boue à 1100
3. Lorsqu'il n'y a aucune circulation, la densité de la boue doit être maintenue entre 1150-1160kg/m<sup>3</sup>.
4. Lors de la cimentation en 2 étages, deux (2) types de ciment ont été utilisés. La cimentation de la partie inférieure s'est effectuée avec du ciment classe "G" "oil well"; celle du 2ième étage avec du ciment High Early en sacs - type 30-xxx de la compagnie Ciments Lafarge à Montréal.

IV- INGENIERIE

8. Relevés de déviation

Des relevés de déviation ont été pris aux intervalles suivants:

<u>Déviation (°)</u>	<u>Profondeur (m)</u>
1/8	28
1/8	44
1/8	64
1/4	84
1/8	102
1/2	122
1/4	151
1/2	174
3/4	190
3/4	210
1	228
1	285
1	312
1 1/2	341
1 1/2	369
2	398
2	417
2	436
2	465
2 1/4	493
2 1/2	521
3	549
3	557
3 1/4	606
3 1/2	634
3 3/4	662
3 1/2	690
3 3/4	719
4	747
4	775
3 3/4	803
3 1/2	831
3 1/2	859
3 1/4	887
3	915
3	953
2 1/2	981
2 3/4	1009
2 3/4	1066
2 1/4	1093
2	1370

IV- INGENIERIE

9. Liste des trépan  
Voir liste ci-jointe

NUMERO	DIAMETRE mm	MARQUE	MODELE	NUMERO DE SERIE	SORTIE m	AVANCEMENT m	HEURES	D <sub>h</sub>	MIN	FORCE kg	RPM	DEVIATION	JET'S mm	L/mm	PRESSION kPa	DENSITE kg/m <sup>3</sup>	VISCOSITE cP	pH	PERTE D'EAU cm <sup>3</sup> /J	ETAT DU TREPAN			REMARQUES
																				A	B	G	
1A	311	H.W.	XDV	41168	28	28	6½		4.31						2200			11.5	n/c				
HO1	445	SEC	Couteaux												3000			11.5	n/c				
RR 1B	311	H.W.	XDV	41168	38	38	11½		3.23	3000	110	1/8	14	-	4000	120		11.0	n/c	3	2	1	
2B	311	H.W.	XDV	56481	153	115	19		6.05	5000	90	1/4	14	-	6000	110		11.0	n/c	3	2	1	
1C	216	H.W.	XDV	24041	407	254	48½		5.26	4000	70	2	9 9	998	6000	1060	55	11.0	n/c	4	3	1	
2C	216	H.W.	J33	63835	1049	642	175		3.67	12000	60	2½	9.5 8.7	998	5200	1080	65	11.0	n/c	7	6	0 6mm	
3C	216	H.W.	J55	62070	1089	40	24½		1.63	12000	60	2½	"	998	5000	1085	70	11.5	n/c	5	3	0 3mm	
4C	216	H.W.	J77	41000	1109	20	14½		1.36	12000	60	2½	"	1066	4200	1090	55	10.5	n/c	7	3	1	
5C	216	H.W.	J99	29013	1134	25	30½		0.86	12000	50	2½	"	1037	5000	1090	48	11.5	n/c	7	2	1	
6C	216	H.W.	MC20	ZX111	1144	5	5½		0.63	12000	50	2½	9.5 9.5 8.7	1057	5000	1090	48	11.5	n/c	B	0	N	
C1	215	CHRIS	J99	80E012	1139 2	5	8		0.95	10000	80	2½	none	1020	6300	1120	50	11.5	n/c	1	1	1	
RR 7C	216	H.W.	J99	ZX111	1146	2	1		2.00	12000	50	2½	9.5 9.5 8.7	1020	5000	1120	50	11.5	n/c	1	1	1	
RR G2	216	CHIRS	MC20	80E012	1155	9	6		1.50	10000	80	2½	none	1020	6300	1100	80	11.5	n/c	B	0	N	



IV- INGENIERIE

10. Coffrage & cimentation

SOQUIP

COFFRAGE: Conducteur 340 "OD

MISE EN PLACE ET CIMENTATION

DATE: 1980-12-17

1. Puits: SOQUIP PETROFINA BECANCOUR NO.1

Location: 5 137 819 m N

UTM: 18 699 110 m E

Niveaux: KB: 12.80 m

Sol: 7.52 m

Profondeur totale: 28 m KB

Diamètre: 445

Type de boue: GEL Poids: \_\_\_\_\_ Viscosité: 125 Perte d'eau: N/C

2. Coffrage

Longueur totale: 28.95

Sabot @ 28.95

Collet de flottaison @ ----

Mise en place: début 19:45 fin 22:30 circulation 30 min

Remarques: La " tête " pour cimenter était de filets buttress. Nous avons fabriqué  
une tête en soudant une plaque d'acier sur le coffrage

3. Cimentation

Compagnie: HALLIBURTON

Opérateur: D. McGregor

Quantité de ciment: 8 tonnes de ciment classe "G" en vrac avec 2% CaCl<sub>2</sub>

Liquide de pointe: eau: 1.5 m<sup>3</sup>

Mélange du ciment: début 23:30 fin 23:45 densité moyenne 1895

Déplacement: volume 1.5 m<sup>3</sup> début 23:45 fin 23:50

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

Remarques: Pas de retour de ciment

Retour de l'eau de lavage

HALLIBURTON DISTRICT  
SARAWA

JOB DATE 80 12 17  
YEAR MONTH DAY

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN GOOD CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA.

OWNER <u>SOQUIP</u>	FIELD OR AREA <u>DRUMMILL</u>	WELL No. AND LEASE	
STARTED OUT <u>DEC 15</u> DATE <u>19:00</u> TIME	ON LOCATION <u>DEC 16</u> DATE <u>18:00</u> TIME	JOB STARTED <u>DEC 17</u> DATE <u>01:00</u> TIME	JOB COMPLETED <u>DEC 17</u> DATE <u>01:30</u> TIME
PROVINCE <u>ONT</u>	LSD	SEC	TWP
RANGE	MERIDIAN <u>W</u>		

**TYPE OF JOB** ✓

SURFACE

INTERMEDIATE

PRODUCTION

INNER

SQUEEZE

PLUG

PUMP

PRESSURE TEST

OTHER ✓

**WELL OR HOLE DATA**

HOLE DATA: HOLE SIZE 445 TOTAL DEPTH 28 TYPE MUD \_\_\_\_\_ VISC \_\_\_\_\_ DENSITY \_\_\_\_\_

CASING OR LINER DATA: SIZE 339.7 kg/m 811 GRADE \_\_\_\_\_ DEPTH \_\_\_\_\_

PERFORATIONS: FROM \_\_\_\_\_ TO \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

WASH FLUID TYPE: H<sub>2</sub>O VOL 1.5 DISPLACING FLUID TYPE: H<sub>2</sub>O VOL 1.4

TEMP MIXING: COOL SLURRY: COOL DISPLACING FLUID: COOL RETURNS: COOL

**PRODUCTS**

EQUIPMENT	QUAN
BASKETS	
CENTRALIZERS	✓
CLAMPS	✓
FLOAT COLLAR	
FLOAT SHOE	
GUIDE SHOE	✓
INSERT FLOAT	
SCRATCHERS	
OTHER	

**EQUIPMENT**

PACKER TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ TAIL PIPE \_\_\_\_\_

TOP PLUG TYPE \_\_\_\_\_

BOTTOM PLUG TYPE \_\_\_\_\_

CEMENT HEAD: CONTINUOUS  KNOCK OFF  SWAGE  OTHER WELD PLATE

**CEMENT DATA**

TONNE	API CLASS	BRAND	BULK OR SACKED	CEMENT BLEND	ADDITIVES TYPE AND PERCENT	kg/m <sup>3</sup>	m <sup>3</sup> /tonne
<u>5.8</u>	<u>G</u>	<u>CMV-CMT</u>	<u>BULK</u>	<u>NEAT</u>	<u>2% CAC-2A</u>	<u>1895</u>	<u>76</u>

**CASING OR LINER JOB DATA**

EVENT	TIME		RATE m <sup>3</sup> /min	PRESSURE	
	START	FINISH		MAX	MIN
PUMP/WASH					
MIX SLURRY					
RELEASE PLUG					
DISPLACE					

PLUG DISPLACED BY: HALLIBURTON  RIG  RETURNS: FULL  PARTIAL  NIL

FLOATS HELD: YES  NO  AUTOMATIC FILLUP: YES  NO  FILLUP WORKED: YES  NO

**JOB SUMMARY**

MIX CEMENT & PUMP DOWN  
CONDUCTOR BARREL  
DISPLACE & SHUT IN

**PLUG BACK JOB DATA**

PLUG NO.	DEPTH		TONNE	DISPLACEMENT (m <sup>3</sup> )	TIME (MIN.)
	TOP	BOTTOM			

**PERSONNEL AND EQUIPMENT**

NAME	EMPL NO	UNIT NO	UNIT TYPE	ASSIGNED LOCATION
<u>DRUMMILL</u>	<u>3431</u>	<u>20025</u>	<u>PIU</u>	<u>SARAWA</u>
<u>255 UF</u>		<u>922</u>	<u>CIA</u>	" "

**WORK ORDER**

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration hereof, it is agreed that HALLIBURTON SERVICES LIMITED shall not be liable or responsible for any loss, damage or injury to said well resulting from the use of such service equipment, or for the acts of any person, engaged in doing such work on the above described well. It is expressly understood and agreed that HALLIBURTON SERVICES LIMITED shall not be bound by any agreement not herein contained, and no agent or representative connected with or employed by HALLIBURTON SERVICES LIMITED, has authority to alter or extend the terms of this agreement. I have read and understood the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

TIME 24:00 SIGNED SOQUIP  
DATE 30-12-16 BY V. G. T. W. S.  
WELL OWNER, OPERATOR OR CONTRACTOR  
HIS AGENT

The following information is urgently requested in order that we may be fully advised, and to enable us to keep our standard of service up to the highest point.

JOB PERFORMANCE: EXCELLENT  GOOD  FAIR  POOR

SUGGESTIONS \_\_\_\_\_

OWNER, OPERATOR OR HIS AGENT

The above job was done and equipment used under the exclusive control, directions, and supervision of the owner, operator, or his agent whose signature appears above.

COPIES REQUESTED \_\_\_\_\_

# SOQUIP

## informations sur le coffrage

coffrage conducteur 340 mm

coffrage de surface \_\_\_\_\_

coffrage intermédiaire \_\_\_\_\_

coffrage production \_\_\_\_\_

"liner" \_\_\_\_\_

nom du puits SOQUIP PETROFINA BECANCOUR localisation \_\_\_\_\_ date \_\_\_\_\_  
 NO.L

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
3	28.68	81.10	K-55		8RD	Courts		3		28.68

sabot : marque <u>Halliburton</u> type <u>Guide shoe</u> longueur	.30
collet : marque _____ type _____ longueur	
manchon de pose (si utilisé) longueur	
longueur totale de la colonne de coffrage	28.95
nombre de mètres excédant la table de rotation (soustraire)	3.45
profondeur de mise en place foreur _____ mesuré	26.50
section du sabot hors tout _____ soustraire	---
collet de flottaison (profondeur) foreur _____ mesuré	---

CENTREURS RACLEUR DE PAROIS  
 marque Halliburton marque ---  
 nombre 1 nombre \_\_\_\_\_  
 positions 26 m positions \_\_\_\_\_  
 no. des collets soudés 0

remarques N I L

représentant de l'opérateur Yvan Tessier



SOQUIP

COFFRAGE: Surface 340 "OD

MISE EN PLACE ET CIMENTATION

DATE: 1980-12-19

1. Puits: SOQUIP PETROFINA BECANCOUR NO.1

Location: 5 137 819 m N

UTM: 18 699 110 m E

Niveaux: KB: 12.80 m

Sol: 7.52 m

Profondeur totale: 153.40 KB

Diamètre: 311 mm

Type de boue: GEL Poids: \_\_\_\_\_ Viscosité: 100 Perte d'eau: n/c

2. Coffrage

Longueur totale: 152.78

Sabot @ 152.78

Collet de flottaison @ 139.07

Mise en place: début 9:00 fin 11:30 circulation 30 min

Remarques: Perte de temps à limer les filets endommagés

3. Cimentation

Compagnie: HALLIBURTON

Opérateur: D. McGregor

Quantité de ciment: 13 T ciment classe G en vrac

avec 2% CaCl<sub>2</sub>

Liquide de pointe: Eau: 3 m<sup>3</sup>

Mélange du ciment: début 12:45 fin 13:00 densité moyenne 1895

Déplacement: volume 5.6m<sup>3</sup> début 13:05 fin 13:15

Pression de pompage maximum 10 MPa retour du ciment: oui/XXXX

Remarques: Très bon retour du ciment

HALLIBURTON DISTRICT  
**SARVIA**

CUSTOMER FIELD COPY

JOB DATE 80 12 19  
YEAR MONTH DAY

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN GOOD CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA.

DATE TIME	ON LOCATION DATE TIME	JOB STARTED DATE TIME	JOB COMPLETED DATE TIME	PROVINCE	LSO	SEC.	TWP	RANGE	MERIDIAN
DEC 18 16:00	DEC 19 07:00	DEC 19 12:40	DEC 19 13:15	ONT					

TYPE OF JOB	WELL OR HOLE DATA										PRODUCTS		
	SURFACE <input checked="" type="checkbox"/> INTERMEDIATE <input type="checkbox"/> PRODUCTION <input type="checkbox"/> REPERFORMATION <input type="checkbox"/> WELLS <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRESSURE TEST <input type="checkbox"/> OTHER <input type="checkbox"/>	HOLE DATA	HOLE SIZE	TOTAL DEPTH	TYPE MUD	VISC.	DENSITY	CASING OR LINER DATA	SIZE	kg/m	GRADE	DEPTH	EQUIPMENT
		3 1/2	15 1/2					2 1/4	59.5			BASKETS	
												CENTRALIZERS	3
												CLAMPS	7
												FLOAT COLLAR	1
												FLOAT SHOE	
												GUIDE SHOE	
												INSERT PLUG	
												SCRATCHERS	
												OTHER	

EQUIPMENT				CEMENT HEAD			
PACKER TYPE	SIZE	DEPTH	TAIL PIPE	TOP PLUG TYPE	RUBBER		
SET				BOTTOM PLUG TYPE	CONTINUOUS <input type="checkbox"/> KNOCK-OFF <input type="checkbox"/> SWAGE <input checked="" type="checkbox"/>		
				OTHER			

TONNE	API CLASS	BRAND	BULK OR SACKED	CEMENT-BLEND	ADDITIVES TYPE AND PERCENT	kg/m <sup>3</sup>	m <sup>3</sup> /tonne
13	G	MIRON	BULK	NEAT	2% CACC-2A	1895	76

CASING OR LINER JOB DATA					
EVENT	TIME		RATE m <sup>3</sup> /min	PRESSURE	
	START	FINISH		MAX.	MIN.
PUMP WASH	12:40	12:45	1	0	0
MIX SLURRY	12:45	13:00	1	2	0
RELEASE PLUG	13:00	13:05			
DISPLACE	13:05	13:15	1	10	0

JOB SUMMARY	
RIG UP	
PUMP WASH	
MIX SLURRY	
DROP TOP PLUG	
DISPLACE & BUMP PLUG	

PLUG BACK JOB DATA					
LUG NO.	DEPTH		TONNE	DISPLACEMENT (m <sup>3</sup> )	TIME (MIN.)
	TOP	BOTTOM			

PERSONNEL AND EQUIPMENT				
NAME	EMPL. NO.	UNIT NO.	UNIT TYPE	ASSIGNED LOCATION
PAUL PEGOR	3431	20075	1/4	SARVIA
BUCHER		922	CH	

**WORK ORDER**

CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration hereof, it is agreed that HALLIBURTON SERVICES LIMITED shall not be liable or responsible for any loss, damage or injury to said well resulting from the use of such service equipment, or for the acts of any person, engaged in doing such work on the above described well. It is expressly understood and agreed that HALLIBURTON SERVICES LIMITED, shall not be bound by any agreement not herein contained, and no agent or representative connected with or employed by HALLIBURTON SERVICES LIMITED, has authority to alter or extend the terms of this agreement.

I have read and understood the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

TIME 12:00 SIGNED SOQUIP  
DATE 80-12-19 BY X H Year WELL OWNER, OPERATOR OR CONTRACTOR  
HIS AGENT

The following information is urgently requested in order that we may be fully advised, and to enable us to keep our standard of service up to the highest point.

JOB PERFORMANCE: EXCELLENT  GOOD  FAIR  POOR

SUGGESTIONS: Some work with local pump shops

OWNER, OPERATOR OR HIS AGENT

The above job was done and equipment used under the exclusive control, directions, and supervision of the owner, operator, or his agent whose signature appears above.

COPIES REQUESTED \_\_\_\_\_

# SOQUIP

## informations sur le coffrage

coffrage conducteur \_\_\_\_\_  
coffrage de surface 244 mm  
coffrage intermédiaire r  
coffrage production \_\_\_\_\_  
liner \_\_\_\_\_

nom du puits SOQUIP PETROFINA BECANCOUR localisation Bécancour date 1980-12-19  
NO.1

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
12	153.05	59.5	K-55		8RD	Longs		12	153.05	153.05

sabot : marque _____	type <u>collet 8RD</u>	longueur	---
collet : marque <u>HALLIBURTON</u>	type _____	longueur	0.48
manchon de pose (si utilisé)	longueur		---
longueur totale de la colonne de coffrage			153.53
nombre de mètres excédant la table de rotation (soustraire)			0.75
profondeur de mise en place * foreur _____	mesuré		152.78
section du sabot hors tout _____	soustraire		13.71
collet de flottaison (profondeur) foreur _____	mesuré		139.07

CENTREURS HALLIBURTON RACLEUR DE PAROIS NIL  
marque \_\_\_\_\_ marque \_\_\_\_\_  
nombre 3 nombre \_\_\_\_\_  
positions 152 m 126 m et 62 positions \_\_\_\_\_  
no. des collets soudés 1 ; le collet du guide shoe

remarques Un guide shoe de mauvaise dimension avait été livré au site. Un collet de coffrage 8RD a été vissé comme guide shoe

représentant de l'opérateur Yvan Tessier



SOQUIP

COFFRAGE: Production 139.7 "OD

MISE EN PLACE ET CIMENTATION

DATE: 81-01-25

1. Puits: SOQUIP PETROFINA BECANCOUR NO. 1

Location: 5 137 819 m N

UTM: 18

699 110 m E

Niveaux: KB: 12.80 m

Sol: 7.52 m

Profondeur totale: 1372 m KB

Diamètre: 216 mm

Type de boue: KCL-SS-100 Poids: 1190 Viscosité: 50 Perte d'eau: n/c

2. Coffrage

Longueur totale: 1372 m KB

Sabot @ 1371.5 m

Collet de flottaison @ 1360.40

Mise en place: début 4:00 fin 12:00 circulation 2 heures

Remarques: Vissé les 5 premières sections avec le câble et les pinces de la foreuse

3. Cimentation 1ère étage:

Compagnie: Halliburton

Opérateur: Larry Galt

Quantité de ciment: 28.3 tonnes class G avec 0.75% CFR2

Liquide de pointe: 1.5 m<sup>3</sup> d'eau et SAPP - 1.5 m<sup>3</sup> d'eau

Mélange du ciment: début 14:27 fin 15:50 densité moyenne 1895

Déplacement: volume 9.4m<sup>3</sup> eau ± 7.4m<sup>3</sup> boue début 16.01 fin 16.16

Pression de pompage maximum 21 MPa retour du ciment: oui/XXX très peu

Remarques: Après 4 heures de circulation, on mélange le ciment pour le 2ième étage.

Après avoir mélangé 7.5 tonnes, les réservoirs sont vides. On continue donc la

circulation. Au max. 25 sacs ont pu être mélangés et 25 sacs ont été perdus au sol.

Circulé 24 heures pour débiter la seconde cimentation

(VOIR page 2, ..2e étage...

.../2

2ième étage....

Ciment: 12.3 tonnes de ciment classe C en sacs type 30.3 X High Early de Ciments  
Canada Lafarge.

Liquide de pointe: 1.5 m<sup>3</sup> d'eau et SAPP + 1.5 m<sup>3</sup> d'eau.

Mélange du ciment: début: 17:25 Fin: 17:51 Densité: 1775

Déplacement Volume: 7.4m<sup>3</sup> eau Début: 17:57 Fin: 18:02

pompage de pression max: 19 mPa. Bon retour du ciment

Remarques:

HALLIBURTON DISTRICT

Sarnia

CUSTOMER FIELD COPY

JOB DATE 01 01 24 YEAR MONTH DAY

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN GOOD CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA.

OWNER Squid	FIELD OR AREA Beacon Cove	WELL No. AND LEASE Squid Potash Basin	
CALL OUT San 19	ON LOCATION DATE 5-19-19	JOB STARTED DATE 5-22-19	JOB COMPLETED DATE 5-22-19
DATE TIME 0700	DATE TIME 2400	DATE TIME 1700	DATE TIME 1900
PROVINCE Que	LSD	SEC	TWP
RANGE	MERIDIAN W		

**TYPE OF JOB** ✓

SURFACE

INTERMEDIATE

PRODUCTION ✓

LINER

SQUEEZE

PLUG

PUMP

PRESSURE TEST

OTHER

**WELL OR HOLE DATA**

HOLE DATA: SIZE 272.5, DEPTH 137.0, TYPE Gel, VISC 50, DENSITY 1190

CASING OR LINER DATA: NEW  USED  SIZE 239.7, GRADE 23.07, DEPTH 137.0

PERFORATIONS: FROM TO FROM TO

WASH FLUID TYPE: SAPP-11-D, VOL 1.5-1.5, DISPLACING FLUID TYPE: 11, VOL 7.44

TEMP MIXING WATER, SLURRY, FLUID

**PRODUCTS**

EQUIPMENT	QUAN
BAKETS	
CENTRALIZERS	9
CLAMPS	
FLOAT COLLAR	✓
FLOAT SHOE	✓
GUIDE SHOE	
INSERT FLOAT	
SCRATCHERS	
OTHER	

**EQUIPMENT**

PACKER: TYPE, SIZE, DEPTH, TAIL, SET, PIPE

TOP PLUG TYPE: D.V. Closing

BOTTOM PLUG TYPE

CEMENT HEAD: CONTINUOUS  KNOCK-OFF  SWAGE  OTHER

**CEMENT DATA**

TONNE	API CLASS	BRAND	BULK OR SACKED	CEMENT BLEND	ADDITIVES TYPE AND PERCENT	kg/m <sup>3</sup>	m <sup>3</sup> /tonne
23	C	Con Lorange	SKs	Hi early Cement		1775	.82

**CASING OR LINER JOB DATA**

EVENT	TIME		RATE m <sup>3</sup> /min	PRESSURE MIN	
	START	FINISH		MAX	MIN
PUMP WASH	1710	1720	.5	18	
MIX SLURRY	1725	1757			
RELEASE PLUG	1757	1807			
DISPLACE	1757	1802	1.7	19	

PLUG DISPLACED BY: HALLIBURTON  RIG  RETURNS: FULL  PARTIAL  NIL

FLOATS HELD: YES  NO  AUTOMATIC FILLUP: YES  NO  RUN  FILLUP WORKED: YES  NO

**JOB SUMMARY**

Second Stage D.V. job

Pump Wash

Pressure Test

Mix Slurry

Release Plug (Break pipe)

Displace

Bump Plug

**PLUG BACK JOB DATA**

PLUG NO.	DEPTH		TONNE	DISPLACEMENT (m <sup>3</sup> )	TIME (MIN.)
	TOP	BOTTOM			

**WORK ORDER**

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

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I have read and understood the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

TIME 10:00 SIGNED: [Signature] WELL OWNER, OPERATOR OR CONTRACTOR

DATE 5-22-19 BY: [Signature] HIS AGENT

**PERSONNEL AND EQUIPMENT**

NAME	EMPL. NO.	UNIT NO.	UNIT TYPE	ASSIGNED LOCATION
BEGET	4973	20025	P/O	Sarnia
Koss		896	Trin	Sarnia
Boucher		932	C/A	Sarnia

The following information is urgently requested in order that we may be fully advised, and to enable us to keep our standard of service up to the highest point.

JOB PERFORMANCE: EXCELLENT  GOOD  FAIR  POOR

SUGGESTIONS: [Signature]

OWNER, OPERATOR OR HIS AGENT

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COPIES REQUESTED

# SOQUIP

## informations sur le coffrage

coffrage conducteur \_\_\_\_\_

coffrage de surface \_\_\_\_\_

coffrage intermédiaire \_\_\_\_\_

coffrage production 139.70 mm

"liner" \_\_\_\_\_

nom du puits SOQUIP BECANCOUR NO. 1 localisation Bécancour date 81-01-21

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
122	1400	23.07	K-55		8RD	Longs	Algoma Steel	105	1371.54	1371.54

sabot: marque <u>Halliburton</u> type <u>846.505</u> longueur	0.51
collet: marque <u>Halliburton (+Baffle)</u> type <u>820-4054</u> longueur	0.47
<del>marque</del> <u>Halliburton Multiple stage cementer</u>	0.95
longueur totale de la colonne de coffrage	1 343.47
nombre de mètres excédant la table de rotation (soustraire)	1.47
profondeur de mise en place foreur <u>1372</u> mesuré	1 372.00
section du sabot hors tout <u>0.51±10.62±0.47</u> soustraire	11.60
collet de flottaison (profondeur) foreur _____ mesuré	1 360.40

### CENTREURS

marque Halliburton Long

nombre 14

positions 1362-1336-1255-1207-1158-1132-1094-1353-991-954-614-588-562-142

no. des collets soudés 0

### RACLEUR DE PAROIS

marque NIL

nombre \_\_\_\_\_

positions \_\_\_\_\_

remarques L'outil de cimentation par étage est à 601 m KB.

représentant de l'opérateur Yvan Tessier.

33	10.62	20	12.80	41	12.89	62	12.33	82	13.68
1	13.14	21	12.76	42	13.51	63	12.93	83	13.54
2	13.33	22	13.35	43	13.52	64	13.00	84	14.00
3	13.43	23	14.10	44	13.70	65	14.31	85	13.77
4	13.55	24	13.03	45	13.97	66	13.61	86	12.81
5	12.32	25	13.25	46	12.07	67	12.98	87	12.12
6	11.96	26	11.08	47	13.37	68	12.34	88	11.08
7	14.03	27	13.14	49	12.08	69	13.13	89	13.74
8	13.46	28	11.54	50	13.49	70	11.54	90	13.42
9	12.65	29	13.29	51	12.88	71	12.99	91	12.82
10	11.32	30	12.80	52	13.62	72	12.90	92	12.92
11	12.46	31	11.04	53	13.84	73	13.14	93	13.52
12	12.01	32	13.53	54	13.55	74	13.00	94	14.03
13	12.36	34	13.02	55	13.85	75	13.85	95	14.00
14	12.73	35	12.92	56	13.01	76	14.05	96	12.95
15	12.74	36	12.65	57	12.88	77	13.77	97	13.32
16	12.81	37	14.34	58	10.51	78	13.81	98	13.72
17	13.40	38	11.60	59	13.15	79	14.15	100	13.54
18	12.86	39	13.39	60	13.50	80	13.45	101	13.76
19	12.29	40	12.50	61	13.00	81	13.77	102	13.92
253.47		256.13		262.39		265.08		266.66	

Dia. ext. 139.7  
 Poids 23.07  
 Type K-55  
 Grandeur \_\_\_\_\_  
 Filets 8RD  
 Manchons Longs  
 Marque Algoma

SOMMAIRE	
1	253.47
2	256.13
3	262.39
4	265.05
5	266.66
1 303.70	

TOTAL	
page 1	67.84
page 2	1 303.70
page 3	
page 4	
1 371.54	

Nombre de sections:

Livrées au site 122

Laissées en surface (incluant la section supérieure) 7

En permanence dans le puits 105

Remarques nv tool 2.95 - Float 0.47 - Float 0.51

1373.47

Mesuré par Roland Bédard

Représentant de l'opérateur Y. Tessier





**CORE LABORATORIES - CANADA LTD.**  
*Petroleum Reservoir Engineering*  
**CALGARY ALBERTA**



6684

**GAS ANALYSIS**

7012-81-170

CONTAINER IDENTITY

LABORATORY NUMBER

Societe Quebecoise D'Initiatives Petrolieres

1 of 1

OPERATOR

PAGE

SOQUIP Petrofina Becancour No. 1

13.1 7.56

LOCATION

WELL OR SAMPLE LOCATION NAME

KB ELEV., m GRD. ELEV., m

Quebec

Potsdam

Lynes United Services

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST No. 3

TEST TYPE & NO.

TEST RECOVERY

Flareline Gas

@ °C

1028 - 1048

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY

PUMPING FLOWING GAS LIFT SWAB

WATER m<sup>3</sup>/d OIL m<sup>3</sup>/d GAS m<sup>3</sup>/d

TEST INTERVALS OR PERFS., m

SEPARATOR RESERVOIR

@ °C  
CONTAINER WHEN SAMPLED

138 @ 22 °C  
CONTAINER WHEN RECEIVED

SEPARATOR

PRESSURES, kPa (gauge)

TEMPERATURES, °C

1981 01 17 1981 02 09 1981 02 11 AL

DATE SAMPLED (Y/M/D)

DATE RECEIVED (Y/M/D)

DATE ANALYSED (Y/M/D)

ANALYST

REMARKS

COMPONENT	MOLE FRACTION AIR FREE AS REC'D	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m <sup>3</sup> AIR FREE AS REC'D
H <sub>2</sub>	0.0010		
He	0.0031		
N <sub>2</sub>	0.0162		
CO <sub>2</sub>	0.0000		
H <sub>2</sub> S	0.0000		
C <sub>1</sub>	0.9123		
C <sub>2</sub>	0.0416		
C <sub>3</sub>	0.0124		45.6
iC <sub>4</sub>	0.0032		14.0
C <sub>4</sub>	0.0043		18.1
iC <sub>5</sub>	0.0020		9.8
C <sub>5</sub>	0.0015		7.3
C <sub>6</sub>	0.0015		8.2
C <sub>7+</sub>	0.0009		6.2
TOTAL	1.0000		109.2
		C <sub>5+</sub>	31.5

<p align="center"><b>CALCULATED GROSS HEATING VALUE</b>          MJ/m<sup>3</sup> @ 15° C &amp; 101.325 kPa(abs.)</p> <p align="center">40.31                      40.32</p> <p align="center">MOISTURE FREE      MOISTURE &amp; ACID GAS FREE</p>	<p align="center"><b>CALCULATED VAPOUR PRESSURE</b>          kPa(abs.) @ 37.8° C</p> <p align="center">84.3</p> <p align="center">PENTANES PLUS</p>
--	---

<p align="center"><b>CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15° C &amp; 101.325 kPa</b></p>		
<p align="center">0.754</p> <p align="center">kg/m<sup>3</sup></p> <p align="center">DENSITY</p>	<p align="center">0.615</p> <p align="center">RELATIVE DENSITY</p>	<p align="center">17.8</p> <p align="center">RELATIVE MOLECULAR MASS</p>

<p align="center"><b>CALCULATED PSEUDOCRITICAL PROPERTIES</b></p>			
<p align="center">AS SAMPLED</p>		<p align="center">ACID GAS FREE</p>	
<p align="center">4559.4</p> <p align="center">kPa(abs.)</p> <p align="center">P<sub>Pc</sub></p>	<p align="center">199.3</p> <p align="center">K</p> <p align="center">P<sub>Tc</sub></p>	<p align="center">kPa(abs.)</p> <p align="center">P<sub>Pc</sub></p>	<p align="center">K</p> <p align="center">P<sub>Tc</sub></p>

REMARKS

NOTE: The Gross Heating Value has been calculated in accordance to AGA Report # 5.

IV- INGENIERIE

11. Boue utilisée

Gel : 1083 kg

Kcl : 725 kg

NaOH : 184 kg

SS100 : 54 kg

Barite: 2389 kg

Calcium chloride: 540 kg

IV) INGENIERIE

12. Parachèvement du puits  
-----

Le puits est parachevé pour mise en production.

V-

APPENDICES

1) Rapports géologiques journaliers

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 13 janvier 1981PROFONDEUR de 1358 mètres JOUR DE FORAGE 28à 1370 (12 m) mètres GEOLOGUE Hélène GignacLITHOLOGIE RESUMEE

1355-1370 m: Roches métamorphiques, gneiss.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	<u>Profondeur</u>	<u>%H.W. Units</u>	<u>%C<sub>1</sub></u>	<u>%C<sub>2</sub></u>
	1355-1370	0.7 - 2.0	0.37-1.5	0.02 - 0.13
	1365-1370	4 - 5	2.94-2.97	
	Kick Gas			
	Gaz provenant du Précambrien (contact)?			

REMARQUES/REMARKS

CALCIMETRIE:	<u>Profondeur</u>	<u>%CaCo<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
	1360	5	0
	1370	0	1

N.B.: A 16.00 h: prêt à prendre les diagraphies mais conditionnement de la boue dû à la venue de gaz.

1.00 AM: prêt à prendre les diagraphies mais Schlumberger brise le câble des appareils réparations.

6.00 AM: début du SONIC.

FORAGE SOQUIP PETROFINA BECANCOUR NO 1

DATE Le 12 janvier 1981

PROFONDEUR de 1323 mètres

JOUR DE FORAGE 27

à 1358 (35 m) mètres

GEOLOGUE Hélène Gignac

LITHOLOGIE RESUMEE

1320-1330 m: 100% Grès translucide - 30% feldspaths roses.

1330-1340 m: 30- 60% Siltstone rouge, très argileux.  
 30- 45% Grès translucide, calcaireux.  
 10-15% Siltstone gris, grains très fins.  
 5- 10% Dolomie blanche, localement rose, finement cristalline.  
 tr. Calcaire foss.

1340-1355 m: 90-100% Grès blanc, grains fins à moyens, sub-anguleux, tri moyen, calcaireux et abondance bitume.

1355 m: Fragments Gneiss et abondance micas.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	1325-1350	.56-3.8	.38-2.93	.02-.17

REMARQUES/REMARKS

CALCIMETRIE: Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
1325	2	0
1330	5	2
1335	11	5
1340	22	16
1345	10	4
1350	2	1
1355	4	1

DRILLING BREAK: 1347 m: 75 cm - 7-2.5 min/25 cm. Légère augmentation gaz et dim. poids boue.  
 CK GAS: 1.6 à 6.4%. La décision fut prise de ne pas prendre de carottes.  
 DRILLING BREAK: 1351 - 50 cm - 3 min/25 cm - pas de gaz.

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 11 janvier 1981  
 PROFONDEUR de 1253 mètres JOUR DE FORAGE 26  
 à 1323 (70 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1250-1320 m: 100% Grès translucide, voir rapport d'hier.  
 1310-1315 m: 10% Grains vert pâle, ciment vert  
 15% Grains rougeâtres  
 1315-1320 m: 15% Vert clair, ciment vert  
 30% Rougeâtre  
 Trace de feldspaths rouges-roses?  
 Traces calcite  
 Grès, ciment siliceux et légèrement calcareux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	1250-1320	44-144	.19-1.02	.01-.06	---

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1255-1310	0	0
	1315 et 1320	2	0

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

RAPPORT GÉOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BECANCOUR NO 1

DATE Le 10 janvier 1981

PROFONDEUR de 1192 mètres

JOUR DE FORAGE 25

à 1253 (61 m) mètres

GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

1190-1250 m: 100% Grès translucide, légèrement brunâtre et argileux par niveaux, grains fins et moyens, sub-arrondis et sub-anguleux, très peu cimentés, ciment siliceux, bon tri. Trace de minéral blanc, friable, kaolinite? Traces siltstone-shale par niveaux (retombées).  
Traces pyrobitumes ou matière organique par niveaux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	<u>Profondeur</u>	<u>%H.W. Units</u>	<u>%C<sub>1</sub></u>	<u>%C<sub>2</sub></u>	<u>%C<sub>3</sub></u>
	1190-1250	28-180	.10-1.2	tr-.05	---

REMARQUES/REMARKS

CALCIMETRIE:	<u>Profondeur</u>	<u>%CaCo<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
	1190-1250	0	0

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 9 janvier 1981

PROFONDEUR de 1164 mètres JOUR DE FORAGE 24

à 1192 (28 m) mètres GEOLOGUE Claude Denis

## LITHOLOGIE RESUMEE

Carotte No. 3: 1155-1172.5 m: 17.5 m  
 Récupération: 100%

Description: Grès gris pâle à grains fins, sub-arrondis avec filets de bitumes/shale.

Porosité: moyenne - zones non cimentées.

1160-1175 m: 85% Grès translucide à grains fins, sub-arrondis, mal cimenté.  
 15% Siltstone/shale gris clair à foncé.  
 tr. Dolomie très fine à fine gris clair.

1175-1190 m: 100% Grès à grains très fins à fins, sub-arrondis - sub-anguleux, tri bon, mal cimenté.

## INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	1165	.12	.09	tr.
	1170	.82	.51	.04
	1172.5 T.G.	SAT	17	---
	1168-1170	.80		
	1175	1.20	.95	.06
	1180	1.28	.64	.05
	1185 C.G.	1.48	.89	.05
	1190	0.42	.22	.03

## REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCO <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1165	4	7
	1170	7	6
	1175	2	7
	1180	0	1
	1185	0	tr
	1190	0	tr

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 8 janvier 1981  
 PROFONDEUR de 1146 mètres JOUR DE FORAGE 23  
 à 1164 (18 m)mètres GEOLOGUE Claude Denis

## LITHOLOGIE RESUMEE

Carotte No. 2: 1146-1155 m: 9 m  
 8.93 m: 99%

Description: Grès translucide à grains fins, sub-arrondis avec filets de bitumes et shale?  
 Porosité de la carotte: ≈ 5%  
 Pas de fractures

Deux évidences de failles mineures  
 Traces fluorescence vers 1155 mètres.

1150 m:	70%	Grès translucide à grains fins, sub-arrondis, ciment siliceux, parfois calcaro-dolomitique
	30%	Siltstone gris clair et gris moyen. Traces dolomie grise pâle fine. Traces bitumes.
1155 m:	70-75%	Grès translucide, légèrement brunâtre à grains fins, calcaro-dolomitique. Traces porosité.
	25-30%	Siltstone gris clair/shale noir. Traces dolomie. Traces bitumes.
1160 m:	85%	Grès translucide à grains fins, légèrement calcaro-dolomitique
	15%	Siltstone gris clair. Traces bitumes. Traces dolomie gréseuse.

Carotte No. 3: 1155-1164 m: 9 m

Taux de carottage variable: 5-20 min/cm

Gaz:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	1150	.07	.06	tr.
	1155 T.G.	SAT	27.8	3.8 (vient de 1092 m, surtout 800m)
	1160	.08	.06	tr.

Durant carottage: 1155-1158 m: HW: .29%

## RAPPORT GEOLOGIQUE JOURNALIER

## DAILY GEOLOGICAL REPORT

DATE Le 8 janvier 1981FORAGE/WELL SOQUIP PETROFINA BECANCOUR NO 1REMARQUES/REMARKS

## CALCIMETRIE:

<u>Profondeur</u>	<u>%CaCo<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
1150	0	9
1155	4	14
1160	2	12

---

FORAGE SOQUIP PETROFINA BECANCOUR NO 1

DATE Le 7 janvier 1981

PROFONDEUR de 1139 mètres

JOUR DE FORAGE 22

à 1146 m (7 m) mètres

GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

A) Carotte No 1: D.B.: 1138.75: 20-25 min/25 cm - 10 min/25 cm

1139 - 1143.75 m:  
Longueur prévue: 4.75 m  
Longueur récupérée: 4.58 m  
96%

DESCRIPTION:

Grès translucide à grains fins, localement moyens, sub-arrondis - sub-anguleux, ciment siliceux interlités avec shale gréseux/lits: 1-2 mm d'épaisseur gris foncé à noir. Traces pyrobitumes?  
Traces pyrite, mica.

Porosité: ≈40 fractures horizontales ouvertes avec dissolution en périphérie (1-2 cm).

Deux zones (4-5 cm): grès pas cimenté, présence d'altération brunâtre.

Porosité estimée pour la carotte: 75%  
Pas d'eau - pas de gaz

Durant le carottage:	HW	%C <sub>1</sub>	%C <sub>2</sub>
	<u>          </u>	<u>          </u>	<u>          </u>
	.5%	.36	.03

B) Foré deux mètres: D.B.: 1145.75 m: 10 min/25 cm - 3.5 min/25 cm

Venue de gaz:	HW	%C <sub>1</sub>
	<u>          </u>	<u>          </u>
	SAT	17.85

## RAPPORT GEOLOGIQUE JOURNALIER

## DAILY GEOLOGICAL REPORT

DATE Le 7 janvier 1981FORAGE/WELL SOQUIP PETROFINA BECANCOUR NO 1LITHOLOGIE RESUMEE:

1140 m: 85-90% grès translucide à grains fins, sub-arrondis, peu cimenté  
 10-15% siltstone/shale gréseux gris foncé à noir

1145 m: 95% grès translucide... ciment siliceux.  
 5% siltstone grix clair - grès à grains très fins. Traces dolomie.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1140	0	1
	1145	0	5

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 6 janvier 1981PROFONDEUR de 1131 mètres JOUR DE FORAGE 21  
à 1139 (8 m) mètres GÉOLOGUE Claude DenisLITHOLOGIE RESUMEE1130-1135 m: 90-95% Grès translucide à grains fins à moyens, sub-arrondis, bon tri, ciment calcaro-dolomitique, tr. pyrite.  
5-10% Siltstone gris foncéINDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	1130	1.60	.96	.02	---
	1135	3.00	1.2	.10	.02

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1135	7	5
	1139	0	1

D.B.: 1139 m: 20 min /25 cm  
8 min /25 cmTrip: carotter à 8.00 h  
Carotte: 50 m/mT.G.: HW C<sub>1</sub>  
SAT 14

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 5 janvier 1980PROFONDEUR de 1111 mètres JOUR DE FORAGE 20  
à 1131 (20 m) mètres GEOLOGUE Richard ThéroutLITHOLOGIE RESUMEE

1110-1130 m: 100% Grès translucide, localement brunâtre à 1115, grains fins à moyens, localement grossiers, sub-arrondis, mal-moyennement triés, siliceux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>
	1110-1120	SAT	9.6-19.8	.4 - 1.69	.08 - .22	.02-.1
	1125-1130	.30 - 1.6	.24- .96	tr - .02	---	---

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1115-1130	0	0

FORAGE SOQUIP PETROFINA BECANCOUR NO 1DATE Le 4 janvier 1981PROFONDEUR de 1093 mètresJOUR DE FORAGE 19à 1111 (18 m) mètresGEOLOGUE Richard ThéroutLITHOLOGIE RESUMEE1090 - 1110 m: 100% Grès translucide, grains fins à moyens, sub-arrondis à arrondis, tr.  
moyen à bon, ciment siliceux.

1110 m: Retombées 15%, siltstone, calcaire, etc.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>
	1090-1110	9	6.05-6.89	.35-.45	.05	
	1110 Trip Gas	SAT	14.4	.4	.10	.06

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1090-1100	0	0
	1110	0	5

FORAGE SOQUIP PETROFINA BECANOUR NO 1 DATE Le 3 janvier 1981  
 PROFONDEUR de 1075 mètres JOUR DE FORAGE 18  
 à 1093 (18 m) mètres GEOLOGUE Richard Thérout

LITHOLOGIE RESUMEE

1075-1090 m: 100% Grès translucide, grains fins à moyens, sub-arrondis à arrondis, tri moyen à bon, ciment siliceux.

1090 m: Retombées 10%, siltstone gris, IDEM au Lorraine.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	1075-1090	.12 - .80	.09 - .6	tr - .01

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1075-1090	0	0

RELEVÉ DE DEVIATION

1093: 2-1/4°

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 2 janvier 1981  
 PROFONDEUR de 1049 mètres JOUR DE FORAGE 17  
 à 1075 mètres GEOLOGUE Richard Thérout

LITHOLOGIE RESUMEE

1045-1075 m: 100% Grès translucide, grains fins à moyens, localement grossiers, sub-arrondis à arrondis, tri moyen, siliceux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>
	1055-1070	.07 à .45%	.05-.30	tr-.02	---	---
	1075 C.G.	.32%	.23	.01	---	---
	1050 T.G. (1049)	SAT	40	2.5	.50	.25

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCO <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	1050-1075	tr-6	tr-4

DIVERS

Le "Trip Gas" pourrait être plus élevé parce que le Gas Trap fut bouché par la boue de forage.

Viens beaucoup d'eau après le "Trip Gas".

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 1er janvier 1981  
 PROFONDEUR de 996 mètres JOUR DE FORAGE 16  
 à 1049 (53 m) mètres GEOLOGUE Richard Thérout

LITHOLOGIE RESUMEE

995 - 1045 m: 90-100% Grès gris brunâtre, localement blanc, grains très fins à moyens, localement grossiers, dolomitique à calcaireux, mal trié, sub-anguleux à sub-arrondis. Traces glauconie 1040-1045.  
 0- 10% Dolomie grise, finement cristalline, gréseuse.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	995-1040	.20 à 2.0	.06 à 1.34	tr à .19
	1010	10%	8.73	1.79
	C.G.			
	1042	SAT	36	2
	Kick Gas			

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	995-1000	4	8
	1005-1010	7	18-23
	1015-1040	8-11	3-12
	1045-1050	18	12-25
	1048	3	5
			Top Potsdam

## RAPPORT GEOLOGIQUE JOURNALIER

## DAILY GEOLOGICAL REPORT

DATE Le 31 décembre 1980FORAGE/WELL SOQUIP PETROFINA BECANCOUR NO 1REMARQUES/REMARKS

CALCIMETRIE:	<u>Profondeur</u>	<u>%CaCo<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
	930-950	10-12	74-82
	950-970	10-11	67-55
	975	16	20
	980	16	34
	985	8	14
	990	4	6
	995	4	8

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FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 31 décembre 1980  
 PROFONDEUR de 932 mètres JOUR DE FORAGE 15  
 à 996 (64 m) mètres GEOLOGUE Richard Thérout

### LITHOLOGIE RESUMEE

- 930 - 970 m: 100% Dolomie gris pâle, brunâtre, très finement à moyennement cristalline, argileuse et silto-gréseuse vers la base de l'intervalle.
- 970 - 975 m: 90-95% Grès gris clair, parfois brunâtre, grains fins à grossiers, sub-anguleux, mal trié, ciment dolomitique et calcaireux.  
 5-10% Dolomie IDEM, gréseuse.
- 975 - 980 m: 65% Grès IDEM gris brunâtre, dolomitique.  
 35% Dolomie gris brunâtre, gréseuse.
- 980 - 995 m: 95-100% Grès gris brunâtre, grains très fins à moyens, mal trié, sub-anguleux à sub-arrondis, ciment légèrement dolomitique et siliceux à siliceux vers la base.  
 tr- 5% Dolomie, IDEM.

### INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	930-965	.01 à .18%	tr - .13	0 = tr.
	970-980	1.0 à 1.8	.70 à 1.3	tr à .09
	985	SAT	12.3	1.0
	990	8.5 (C.G.)	7.2	.12

C.G.	H.W.
943	.04
953	.80
962	.22
971	4%
981	SAT-10%

Note: Une diminution de la densité de la boue auquel peut correspondre une augmentation du gaz dans la boue.

Léger Drilling Break associé avec léger Kick Gas.

982:	22 min	985:	15 min
983:	13 min	986:	21 min
984:	15 min	SAT:	12.3%(C <sub>1</sub> ) 1.0% (C <sub>2</sub> )

Décision fut prise de poursuivre le forage.

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 30 décembre 1980  
 PROFONDEUR de 872 mètres JOUR DE FORAGE 14  
 à 932 (60 m) mètres GEOLOGUE Richard Thérioux

LITHOLOGIE RESUMEE

- 870-905 m: 95-100% Calcaire brun-beige, wacke-grainst., fossilifère et légèrement argileux vers la base de l'intervalle.  
 tr- 5% Shale gris foncé - noir.  
 tr- 5% Siltstone gris verdâtre, localement micacé.
- 905-910 m: 55- 75% Grès gris brun-brun, grains très fins à fins, ciment calcaireux passe à un calcaire.  
 20- 40% Calcaire brun beige, gréseux - silteux  
 5% Siltstone gris vert - gris moyen.
- 910-930 m: 50- 80% Dolomie blanche-brune, très finement à finement cristalline, localement gréseuse surtout au sommet.  
 10- 20% Grès gris brun-brun, grains très fins, calcaro-dolomitique, passe à un siltstone IDEM.  
 5- 25% Siltstone gris moyen, localement vert ou brun, localement calcaro-dolomitique.  
 0- 5% Shale noir  
 0- 10% Calcaire brun, dolomitique, mudstone.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	870-900	SAT - 1.90	25 - 1.46	1.02 - .015
	900-930	.50 - .01	.30-tr.	.025 - 0

REMARQUES/REMARKS

CALCIMETRIE: Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
870-895	87-92	0-1
900-905	72	0-1
910	62	0
915	30	0
920	8	39
925-930	6-10	62-64

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 29 décembre 1980  
 PROFONDEUR de 800 mètres JOUR DE FORAGE 13  
 à 872 (72 m) mètres GEOLOGUE Richard Thérioux

LITHOLOGIE RESUMEE

800-870 m: 95-100% Calcaire brun-beige, wackestone à grainstone, fossilifère et légèrement argileux.  
 tr- 5% Shale gris foncé, localement calcaireux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>
	800-804	15	.10	.01
	805	230	.41	.035
	810-833	85-200	.41	.035
	805-810	230	.019-.41	.0020-.035
	834-846	100	.006-.34	.005-.04
	846-863	60-160	1.20-.4	.001-.0003
	864-870	---	.25-.34	.01-.02
	871-875	200-300	.014-.026	.012

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	805-815	73-82	1-2
	820-870	80-92	0-2

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 28 décembre 1980  
 PROFONDEUR de 712 mètres JOUR DE FORAGE 12  
 à 800 (88 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

710-740 m: 40-75% Shale gris foncé à noir, non calcaireux à très peu calcaireux, localement lustré.  
 5-60% Siltstone à shale gris clair à moyen.  
 tr- 5% Grès gris clair, très fin, sub-arrondi, moyennement trié, localement micacé.

740-800 m: 5-75% Shale noir...  
 25-95% Calcaire gris brunâtre pâle, à brun pâle et brun blanchâtre, très fin à fin, localement argileux et friable, localement fossilifère.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	710-775	12-25	.06-.017	.01-.02	tr.
	775-795	5-10	.02-.05	tr.	tr.
	795-796	45	raté	---	---
	796-800	6-14	.04-.08	tr-.01	tr-.01

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCO <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	710-740	1-2	6-7
	740-800	20-94	0-6

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 27 décembre 1980  
 PROFONDEUR de 609 mètres JOUR DE FORAGE 11  
 à 712 (103) mètres GÉOLOGUE Claude Denis

LITHOLOGIE RESUMÉE

605-630 m: 90-95% Siltstone à shale...  
 5-10% Grès...  
 630-645 m: 60-85% Siltstone à shale...  
 15-40% Grès...  
 645-700 m: 90-95% Shale...  
 5-10% Grès...  
 700-710 m: 95% Shale gris moyen à shale gris foncé et noir  
 5% Grès gris clair à moyen...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	610-640	5-13	.02-.05	tr.	tr.
	640-650	20	.13	tr-.015	tr-.015
	650-710	4-14	.015-.13	tr-.015	tr-.015

REMARQUES/REMARKS

CALCIMÉTRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	609-712	1	1-5

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 26 décembre 1980  
 PROFONDEUR de 495 mètres JOUR DE FORAGE 10  
 à 609 (114 m) mètres GEOLOGUE Claude Denis

LITHOLOGIE RESUMEE

490-550 m: 5-15% Grès...  
 85-95% Siltstone à shale...  
 550-585 m: 25-50% Grès...  
 50-75% Siltstone... (15% gris foncé, laminé, par niveaux)  
 585-605 m: 5-15% Grès...  
 85-95% Siltstone...  
 Traces de calcaire cristallin (fin), brun pâle  
 605 m Grès plutôt gris brunâtre, semble légèrement altér. et siltstone-shale gris moyen à foncé, localement laminé.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>	Conduits souvent gelés.
	495-609	2-8	.01-.02	tr.	tr.	tr.	

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	495-605	1-2	1-2
	SAUF 600	3	3

RELEVÉ DE DEVIATION

600 m: 3-1/4°  
 Avancement: ≈ 8-12 min/m

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 25 décembre 1980  
 PROFONDEUR de 398 mètres JOUR DE FORAGE 9  
 à 495 (97 m) mètres GÉOLOGUE Claude Denis

LITHOLOGIE RESUMEE

385-395 m: 5-10% Grès...  
 90-95% Siltstone...  
 395-400 m: 85% Siltstone...  
 15% Grès... légèrement calcaro-dolomitique...  
 Traces calcaire micritique, brun pâle, plus ou moins argileux.  
 400-455 m: 5-10% Grès...  
 90-95% Siltstone...  
 455-460 m: 75% Siltstone...  
 25% Grès...  
 460-490 m: 5-10% Grès...  
 90-95% Siltstone...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>
	398-495	4-12	.014-.031	tr-.012	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCO <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	400	2	2
	390,405-490	1	1-3

RELEVÉ DE DEVIATION

493 m: 2-1/8°

FORAGE SOQUIP PETROFINA BECANCOUR NO 1DATE Le 24 décembre 1980PROFONDEUR de 266 mètresJOUR DE FORAGE 8à 398 (132 m) mètresGEOLOGUE Hélène GignacLITHOLOGIE RESUMEE

270-385 m: 85-100% Siltstone / shale gris moyen calcaro-dolomitique, micacé.  
tr- 15% Grès gris pâle parfois brunâtre à grains très fins, sub-arrondis, légèrement calcaireux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	270-385	2-8	.015-.091	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	270-385	1-2	1-4

FORAGE SOQUIP PETROFINA BECANOUR NO. 1 DATE Le 24 décembre 1980  
 PROFONDEUR de 266 mètres JOUR DE FORAGE 8  
 à 398 (132 m) mètres GÉOLOGUE Hélène Gignac

LITHOLOGIE RESUMÉE

270-385 m: 85-100% siltstone à shale gris moyen, calcaro-dolomitique et micacé.  
 tr- 15% grès gris pâle, parfois brunâtre à grains très fins, sub-arrondis,  
 très légèrement calcaireux.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	<u>Profondeur</u>	<u>%H.W. Units</u>	<u>%C<sub>1</sub></u>	<u>%C<sub>2</sub></u>	<u>%C<sub>3</sub></u>
	270-385	2-8	.015-.091	tr.	tr.

REMARQUES/REMARKS

CALCIMÉTRIE:	<u>Profondeur</u>	<u>%CaCo<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
	270-385	1-2	1-4

FORAGE SOQUIP PETROFINA BECANOUR NO 1 DATE Le 23 décembre 1980  
 PROFONDEUR de 174 mètres JOUR DE FORAGE 7  
 à 266 (92 m) mètres GEOLOGUE Hélène Gignac

LITHOLOGIE RESUMEE

170-200 m: 90-100% siltstone à shale gris moyen, parfois micacé, légèrement argileux.  
 tr- 10% grès gris pâle, parfois brunâtre, grains très fins, sub-arrondis,  
 légèrement micacé, ciment siliceux.

200-215 m: 60- 75% siltstone  
 25- 40% grès

215-255 m: 85-100% siltstone  
 tr- 15% grès

255-260 m: 60% siltstone  
 90% grès

260-265 m: 90% siltstone  
 10% grès

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>	%C <sub>4</sub>
	175-265	2-16	.01-.06	tr-.015	tr.	nil - tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	180-260	1-3	1-3

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 22 décembre 1980PROFONDEUR de 153 mètresJOUR DE FORAGE 6à 174 (21 m) mètresGEOLOGUE Hélène GignacLITHOLOGIE RESUMEE

155-170 m: 90-95% siltstone à shale gris pâle à moyen, micacé  
 5-10% grès gris pâle, légèrement brunâtre, à grains très fins, légèrement calcaro-dolomitique  
 (tr. de ciment calcaireux)

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	155-170	4-8	.015-.020	tr-.015	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCO <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	160	4	2
	170	3	3

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FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 21 décembre 1980  
PROFONDEUR de 153 mètres JOUR DE FORAGE 5  
à 153 mètres GEOLOGUE Hélène Gignac

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LITHOLOGIE RESUMEE

Attente du ciment (WOC)

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RAPPORT GÉOLOGIQUE JOURNALIER

FORAGE SOQUIP PETROFINA BECANCOUR NO 1

DATE Le 20 décembre 1980

PROFONDEUR de 153 mètres

JOUR DE FORAGE 4

à 153 mètres

GEOLOGUE Hélène Gignac

LITHOLOGIE RESUMEE

Coffrage (WOC)

FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 19 décembre 1980PROFONDEUR de 65 mètresJOUR DE FORAGE 3à 153 (88) mètresGEOLOGUE Hélène GignacLITHOLOGIE RESUMEE

65-70 m:	75%	Siltstone, shale gris moyen, légèrement calcaireux, légèrement laminé.
	25%	Grès gris clair, grains très fins, sub-arrondis, ciment légèrement calcaireux et micacé.
70-90 m:	80-95%	Siltstone - shale
	5-20%	Grès...
90-110 m:	50-70%	Siltstone-shale
	30-50%	Grès...
110-130 m:	80-90%	Siltstone-shale
	10-20%	Grès...
130-135 m:	75%	Siltstone-shale
	25%	Grès...
135-150 m:	85-90%	Siltstone-shale
	10-15%	Grès...

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>	%C <sub>2</sub>	%C <sub>3</sub>
	65-140	4-8	tr. .015	tr.	tr.
	143	86	.5	.035	tr.
	145-150	8	.03	tr.	tr.

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	70	20	2
	80	1	3
	90	3	2
	100	4	6
	110	3	5
	120	3	1
	130	4	3
	140	3	2
	150	3	3

FORAGE SOQUIP PETROFINA BECANCOUR NO. 1 DATE Le 18 décembre 1980PROFONDEUR de 28 mètresJOUR DE FORAGE 2à 65 m (37 m) mètresGEOLOGUE Hélène GignacLITHOLOGIE RESUMEE

25 - 65 m: 90-100% siltstone à shale gris moyen, parfois brunâtre, légèrement calcaro-dolomitique.  
0- 10% grès gris clair, grains très fins, mal cimenté, légèrement calcaireux et micacé.

INDICES ET ESSAIS/SHOWS AND TESTS

GAZ:	Profondeur	%H.W. Units	%C <sub>1</sub>
	30-65	2-5	Chromatographe défectueux

REMARQUES/REMARKS

CALCIMETRIE:	Profondeur	%CaCo <sub>3</sub>	%CaMg(CO <sub>3</sub> ) <sub>2</sub>
	30-60	1	2-3
	45	9	2 (calcite)

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FORAGE SOQUIP PETROFINA BECANCOUR NO 1 DATE Le 17 décembre 1980

PROFONDEUR de 28 mètres

JOUR DE FORAGE 1

à 28 mètres

GEOLOGUE Hélène Gignac

### LITHOLOGIE RESUMEE

SECHAGE DU CIMENT

FORAGE SOQUIP PETROFINA BECANCOUR NO 1DATE Le 16 décembre 1980PROFONDEUR de 0 mètresJOUR DE FORAGE 0à 28 mètresGEOLOGUE CorelabLITHOLOGIE RESUMÉE

0 - 15 m: pas d'échantillon

15 - 25 m: shale gris clair légèrement calcaro-dolomitique

INDICES ET ESSAIS/SHOWS AND TESTSGAZ: H.W. Units  
NILREMARQUES/REMARKS

<u>CALCIMÉTRIE:</u>	<u>Profondeur</u>	<u>%CaCO<sub>3</sub></u>	<u>%CaMg(CO<sub>3</sub>)<sub>2</sub></u>
	15 m	1	2
	20 m	1	2

V- APPENDICES

2) Description lithologique types ou de références

LITHOLOGIES DE REFERENCES  
SOQUIP PETROFINA BECANCOUR NO 1

- 1- Siltstone gris moyen, légèrement calcaireux, parfois micacé et pyriteux, passant à un shale gris moyen, silteux, parfois micacé.
- 2- Grès gris pâle à moyen, légèrement verdâtre et/ou brunâtre, à grains très fins à silts grossiers, sub-arrondis, moyennement triés, ciment siliceux mais parfois calcaireux au sommet, partiellement micacé.
- 3- Calcaire brun, wackstone à grainstone, fossilifère à brachiopodes, échinodermes et bryozoaires.
- 4- Shale gris foncé à noir, parfois calcaireux.
- 5- Grès blanc à gris pâle, parfois gris moyen brunâtre, à grains très fins à fins, sub-arrondis, ciment calcaireux, parfois micacé et pyriteux.
- 6- Dolomie gris pâle à foncé, parfois brunâtre, très finement cristalline, parfois arénacée lorsque associée avec des grès dolomitiques et non dolomitiques.
- 7- Grès blanchâtre à brunâtre, à grains fins à très fins, parfois moyens, sub-arrondis, ciment dolomitique, parfois micacé et pyriteux.
- 8- Grès translucide, à grains moyens à grossiers, sub-arrondis, passablement triés, ciment siliceux, parfois devenant calcaro-dolomitique.
- 9- Dolomie rose à rouge, finement à très finement cristalline, massive, bréchique ou laminée, parfois arénacée et à ciment parfois calcaireux.
- 10- Roches métamorphiques (gneiss granitique!?).

V-

APPENDICES

3) Description détaillée des retailles

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE 1 <sup>ère</sup> LECTURE 2 <sup>ème</sup> LECTURE	LITHOLOGIE TYPE POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)
		1	2	3	4	5	6	7	8	9	10	
0		PAS D'ECHANTILLON										
5												
10												
15		100										
20		95	5									
25		100										Calcite
30	1 2	100										Gris brunâtre
35		100										Gris moyen
40	1 2	95	5									Gris moyen
45	9 2	95	5									Gris foncé. Traces calcite.
50		90	10									Gris moyen/pâle
55		90	10									Gris moyen/pâle
60	1 3	100										Gris moyen
65		95	5									Gris moyen

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE 1 <sup>re</sup> LECTURE 2 <sup>ème</sup> LECTURE	LITHOLOGIE TY. 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)	
		1	2	3	4	5	6	7	8	9	10		
70	20 3	75	25										très No. 1: silteux, grès à grains fins.
75		90	10										
80	1 3	95	5										No. 1: silteux
85		95	5										No. 1: silteux
90	3 2	80	20										Shale silteux
95		70	30										
100	4 6	65	35										
105		50	50										
110	3 5	70	30										
115		85	15										
120	3 1	90	10										Shale silteux
125		80	20										Grès à grains fins. Shale - silt- stone brunâtre.
130	4 3	90	10										Shale plus grès brunâtre.
135		75	25										

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE 1 <sup>ère</sup> LECTURE 2 <sup>ème</sup> LECTURE	LITHOLOGIE TY. E POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)	
		1	2	3	4	5	6	7	8	9	10		
140	3 2	90	10										Shale silteux
145		85	15										
150	3 3	85	15										Shale silteux
155		90/95	5/10										Traces ciment
160	4 2	95	5										Traces ciment
165		95	5										Shale silteux Siltstone/shale micacé
170	3 3	90	10										Traces calcite Traces ciment, shale micacé.
175		100	tr										Traces ciment, siltstone
180	1 3	90	10										Gris moyen
185		95	5										Traces ciment
190	1 1	100	tr										Traces ciment
195		95	5										
200	3 1	90	10										Traces calcite
205		60	40										Traces calcite.

Page --- 3 ---

Date -----

H. Gignac

Géologue

Bécancoeur No

Nom du puits -----

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE 1 <sup>ère</sup> LECTURE 2 <sup>ème</sup> LECTURE	LITHOLOGIE TY. E POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)
		1	2	3	4	5	6	7	8	9	10	
210	2 1	70	30									
215		75	25									Siltstone
220	1 1	90	10									
225		85	15									
230	1 1	95	5									
235		100	tr									
240	1 1	100	tr									
245		95	5									
250	1 1	85	15									Gris brunâtre
255		90	10									
260	2 2	60	40									
265		90	5/10									
270	1 2	90	10									Silteux, grès calcaro-dolomitique
275		80	20									

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Date

Géologue H. Gignac

Nom du puits  
Becancour NO 1

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE		LITHOLOGIE TY. 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)		
	1 <sup>ère</sup> LECTURE	2 <sup>ème</sup> LECTURE	1	2	3	4	5	6	7	8	9	10			
280	1	1	90	10											
285			85	15											
290	1	1	95	5											
295			95	5											
300	2	1	90	10											
305			100	tr											
310			95/100	tr/5											
315			85	15											
320			100	tr											
325			100	tr											
330			90	5/10									Traces calcite.		
335			100	tr											
340			100	tr											
345			100	tr											

Bécancour No 1  
 Nom du puits -----  
 Géologue H. Gignac  
 Date -----  
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PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE		LITHOLOGIE TYPE POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)			
	1 <sup>me</sup> LECTURE	2 <sup>ème</sup> LECTURE	1	2												
350			95	5												
355			95	5												
360			100	tr												
365			95	tr/5												
370			95	5												
375			90	10												
380			100	tr												
385			95	5/tr												
390	1	3	95	5												
395			90	10												
400	2	2	85	15										Traces calcaire micritique brun pâle légèrement argileux, grès légèrement calcaireux.		
405			90	10												
410	1	3	95	5												
415			95	5												

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE		LITHOLOGIE TY. 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)		
	1 <sup>ère</sup> LECTURE	2 <sup>ème</sup> LECTURE	1	2											
420	1 3		95	5											
425			90	10											
430	1 2		95	5											
435			95	5											
440	1 2		90	10											
445			90	10											
450	1 3		90	10											
455			90	10											
460	1 3		75	25											
465			90	10											
470	1 1		90	10											
475			95	5											
480	1 3		90	10										Siltstone à shale gris moyen, localement foncé et laminé.	
485			90	10										Grès gris pâle à moyen, très fin, légèrement micacé.	

Bécanour No 1

Nom du puits

Géologue Claude Denis

Date

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PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE		LITHOLOGIE TY. 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)		
	1 <sup>ère</sup> LECTURE	2 <sup>ème</sup> LECTURE	1	2											
490	1	1	90	10											
495			85	15											
500	1	2	90	10											
505			90	10										Fragment de fossile?	
510	1	1	85	15											
515			95	5											
520	1	1	95	5											
525			90	10											
530	1	2	90	10											
535			85	15											
540	1	1	85	15											
545			80	20											
550	1	2	85	15											
555			60	40											

Bécancour No 1  
 Nom du puits  
 Géologue Claude Denis  
 Date  
 Page 8

PROFONDEUR	CALCIMÉTRIE DOLIMÉTRIE 1cm LECTURE 2mm LECTURE	LITHOLOGIE TY. 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)	
		1	2										
560	2 3	50	50										
565		75	25										
570	1 1	75	25									15% shale gris moyen à foncé, laminé	
575		60	40										
580	1 2	70	30										
585		70	30										
590	2 2	85	15									Traces calcaire brun pâle, cristallin (fin).	
595		90	10									Idem à 590 m	
600	3 3	95	5									Idem à 595 m	
605		90	10									Changement du shale: semble altéré, légèrement (brunâtre, teinte gris brunâtre foncé.	
610	1 2	95	5									Retour aux mêmes teintes qu'auparavant.	
615		90	10										
620	1 4	90	10										
625		95	5									Grès: légères traces de glauconie ou de chlorite?	

Page -----

Date -----

Claude Denis

Géologue -----

BECANCOUR NO 1

Nom du puits -----

PROFONDEUR	CALCIMÉTRIE DOLOMÉTRIE 1 <sup>ère</sup> LECTURE 2 <sup>ème</sup> LECTURE	LITHOLOGIE TYPE POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)
		1	2									
630	1	90	10									Grès légèrement brunâtre.
635	1	60	40									Grès gris moyen, très argileux.
640	1 4	80	20									Grès gris verdâtre semble légèrement altéré.
645	1	85	15									Grès gris clair moyen.
650	1 5	90	10									Grès idem, très fin à fin, argileux.
655	1	95	5									Shale siltstone gris clair à moyen.
660	1 4	90	10									Grès légèrement micacé.
665	1	95	5									
670	1 4	95	5									
675	1	90	10									
680	1 5	95	5									Shale en partie gris foncé, laminé, silteux.
685	1	90	10									Shale IDEM (15% foncé).
690	1 2	95	5									Shale IDEM (20% foncé)
695	1	95	5									Shale (60% foncé)

Page

Date

Claude Denis

Géologue

Bécancour No 1  
Nom du puits

PROFONDEUR	CALCIMÉTRIE 1ère LECTURE 2ème LECTURE	LITHOLOGIE TY 2 POURCENTAGE ET NUMÉROS										REMARQUES (Indices, fluorescence, microfossile, etc...)	
		1	2	3	4								
700	3	95	5										Shale (50% foncé)
705		95	5	tr									Shale 70% gris foncé à noir, légèrement lustré, non calcaireux.
710	5	95	5										Shale 70% gris foncé à noir.
715		20	5	tr	75								
720	7	40	5/tr	tr	55								Calcaire brun pâle à brun blanchâtre très fin.
725		60	tr	tr	40								
730	6	50	tr	tr	50								
735		50	5	tr	45								
740	7	35	5	tr	60								
745	6	5	tr	20	75								Shale noir très peu calcaireux, calcaire très argileux, gris foncé, légèrement brunâtre.
750	5	tr		70	30								Calcaire brun pâle à brun blanchâtre, très fin à fin, localement friable, légèrement argileux, silteux.
755	6			50	50								Shale calcaireux gris moyen à foncé, calcaire brun pâle, très fin à fin, silteux
760	4			70	30								Calcaire brun blanchâtre. Traces fossiles)
765	6			60	40								Débris fossiles.

Page

Date

Claude DENIS

Géologue

Becancour NO 1

Nom du puits

PROFONDEUR	Calcimétrie Dolométrique	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI.		CIMENT			REMARQUES	
		1	2	3	4					TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE		DOLOMIE
770	71 3			80	20															Débris fossiles
775	89 0			90	10															Débris fossiles
780	94 0			95	5															Débris fossiles
785	88 0			95	5															
790	86 0			90	10															
795	78 2			85	15															Débris fossiles
800				90	10															
805	73 2			85	15															Calcaire légèrement plus foncé.
810	78 1			90	10															Débris fossiles.
815	82 2			95	5															
820	84 2			100	tr															
825	80 3			100	tr															
830	81 3			95	5															Légèrement plus foncé.
835	82 3			95 100	tr 5															
840	82 2			95	5															Traces brachiopodes

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 Géologue Claude Denis  
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 SOQUIP

PROFONDEUR	Calcimétrie Dolométrique	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO			TRI		CIMENT			REMARQUES		
		1	2	3	4	5				TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE		CALCITE	DOLOMIE
845	84 1			95	5															Calcaire plus foncé
850	85 2			95	5															Traces de fossiles
855				95	5															IDEM
860	90 2			100	tr															IDEM
865	89 0			100	tr															IDEM
870	92 0			100	tr															IDEM
875	75 1		tr	95	5				2	2		2				2				Calcaire brun-beige, IDEM
880	87 1		tr	95	5															IDEM 875
885	93 0			100	tr															Traces fossiles Légèrement plus foncé IDEM
890	92 0			95	5															
895	89 0	5	tr	95	tr/5				2	2		2				2				
900	73 0	tr		95	tr															Niveau à calcaire silto- gréseux, localement argileux
905	72 1	tr/5		95	tr															IDEM 900
910	30 0	5		20		75			5	5	5	5	5			5				Grès gris brun-brun, passe à un calcaire gréseux.
915	62 0	5		40		55														IDEM 915

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 Géologue R. Théroux  
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 SOQUIP

PROFONDEUR	Calcimétrie Dolométrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO							TRI			CIMENT			REMARQUES
		1	2	3	4	5	6	7		TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE	DOLOMIE				
920	8 39	25			5	20	50			5	slts			5				5	5	Grès localement blanc, dolomitique, traces sulfure.			
925	10 62	10		10		15	65			5				5				5	Dolomie blanche-rose, légèrement brunâtre, très finement-finement crx à brune.				
930	9 64	5		5		10	80												Dolomie, IDEM, localement moyennement crx grisâtre				
935	10 74	tr				tr	100												IDEM				
940	12 82						100																
945	10 80						100																
950	11 75						100												Très légères traces de porosité. Dolomie localement gros crx				
955	11 67						100												Légèrement argileuse				
960	11 67				tr		100												IDEM 955				
965	10 56						100												Dolomie gris brunâtre fnt-moynt crx, argileux, loc. silteux.				
970	13 55						100												IDEM 965, loc. silto-gréseux.				
975	16 20						5/10	90/95			Loc	7	7	7	7			7	Grès gris clair, blanc et brun (lorsque plus dolo.), argileux. Traces verdâtre.				
980	16 34						35	65											Dolomie gris brunâtre, gréseux - grès.				
985	8 14	tr		tr			5	95			7	7						7					
990	4 6						tr	100			7	7		7				7	Grès gris brunâtre-brun.				

SQUP

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Géologue R. Théroux

Norm. du puits

SQUP PETROFINA BECANCOUR NO 1

PROFONDEUR	Calcimétrie Dolométrique	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO TRI . CIMENT							REMARQUES			
		1	2	3	4	5	6	7	8	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON		SILICE	CALCITE	DOLOMIE
995	4 8							100			7	7		7			7		7	IDEM 990
1000	3 7							100												IDEM 995
1005	7 18						5	95		7	7		7					7		5% grès blanc
1010	7 23						5/10	90/95												5% grès blanc
1015	11 12						5	95		7	7						7	7		5% grès blanc
1020	9 3						tr	100									7			5% grès blanc, grains fins-très fins, tri moyen, calcareux
1025	8 3	tr			tr			100		7	7	7					7			
1030	9 3							100		7	7	7					7			
1035	11 12						5	95		7	7	7					7	7		Niveau plus blanchâtre. Traces glauconie, pyrite, niveaux blanchâtre
1040	18 25						10	90		7		7								
1045	18 12	tr		tr	5		5	90	tr	7	7	7					8	7	7	Cavings.
1050	6 4	5		tr				95		8	8			8			8			Grès translucide, grains fins-moyens, sub-arr-arr, tri moyen, siliceux.
1055	4 2	tr/5						95				loc								IDEM 1050
1060	2 1	tr						100			8	8		8			8			
1065	1 0	tr						100		8	8			8	8	8				

SOQUIP

Page

Date

Géologue

Nom du puits

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R. Théroux

SOQUIP PETROFINA BECANCOUR NO 1

PROFONDEUR	Calcimétrie Dolométrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI - CIMENT			REMARQUES			
		1	2	3	4	5	6	7	8	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON		SILICE	CALCITE	DOLOMIE
1070	tr 0	tr					tr	tr	100		8	8			8	8	8			grès trans., gr. fins et moy., sub-arr et sub-ang., peu de ciment, siliceux.
1075	0 0	tr							100		8	8			8	8	8			Tr-5%, mat. blanche, toujours dans gr. détachés
1080	0 0	tr							100			8			8		8			Traces glauconie?
1085	0 0	tr							100			8			8		8			5% matière blanche
1090	0 4	5							95		8	8			8		8	8		Morceaux de matière oxydée. 5-10% grès argileux, gris et dolomitique
1095	0 0	tr/5							95/100			8			8		8			Tr-5%, matière blanche. l: silt gris clair et shale gris foncé
1100	0 0	tr							100			8			8		8			IDEM, grès légèrement brunâtre, en partie.
1105	0 0	5							95		8	8			8		8			Matière blanche
1110	0 5	25					tr	tr	75		8	8			8		8	8		Tr. d'oxydation, caving? Silt. gris, traces glauconie?
1115	0 1	tr/5							95/100			8			8		8			Un peu plus propre. Tr-5% matière blanche.
1120	0 1	tr							100			8			8		8	8		Légèrement brunâtre
1125	0 0	tr							100		8	8			8		8			Traces pyrite, traces oxydation.
1130	0 0	tr							100			8			8		8			Traces pyrite. Tr-5% matière blanche.
1135	0 0	10							90			8			8		8	8		5% matière oxydée. Shale noir, silt. gris.
1140	0 0	10/15						tr	85/90			8			8		8	8		Shale noir, bitumineux?

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Géologue

Claude Denis

NO 1

Nom du puits  
SQUIP PETROFINA BECANCOUR

PROFONDEUR	Calcimétrie Dolométrique	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI .		CIMENT		REMARQUES		
		1	2	3	4	5	6	7	8	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE		CALCITE	DOLOMIE
1145	0 5	5/10			Tr minéral blanc				90/95	8	8			8		8		8	5% matière oxydée. Tr. dolomie fine, gris-pâle.	
1150	0 9	30							70	8	8			8		8		8	siltstone gris clair et moyen grès lég. argileux, brunâtre et translucide, chlorite.	
1155	4 14	25/30							70/75	8	8			8		8		8	Tr. dolomie, siltstone gris clair et shale noir, bitumes?	
1160	2 12	15							85	8	8					8		8	Traces dolomie.	
1165	4 7	15							85	8	8			8		8	8	8	Traces dolomie argileuse, siltueuse, ciment calcite et dolomit.	
1170	7 6	15							85	8	8			8		8	8	8		
1175	2 7	15							85	8	8			8		8		8	Traces pyrobitumes. Traces dolomie.	
1180	0 1	tr/5			Tr minéral blanc, friable				95	8	8					8		8	Grains gris détachés, translucide, sub-anguleux.	
1185	0 tr	tr.							100	8	8					8		8	IDEM 1180	
1190	0 tr	tr							100	8	8					8		8	IDEM 1190	
1195	0 0	tr							100	8	8			8		8			Très légèrement argileux, 5% minéral blanc, friable.	
1200	0 0	tr			Tr pyrobitumes et minéral blanc, friable				100	8	8			8		8				
1205	0 0	tr							100	8	8			8		8			Un peu plus propre.	
1210	0 0	tr							100	8	8			8		8				
1215	0 0	tr							100	8	8			8		8			Légèrement brun et argileux. Tr. pyrobitumes et minéral blanc.	

SOQUIP

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Date

/ /

Geologue

C. Denis

Nom du Puits

SOQUIP PETROFINA BECANCOUR NO 1

PROFONDEUR	Calcimétrie Dolométrique	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO				TRI		CIMENT		REMARQUES	
		1	2	3	4	5	6	7	8	TRES-FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN	BON	SILICE	CALCITE		DOLOMIE
										FIN									
1220	0/0				Tr pyrobitumes				100	8	8			8	8				Moins argileux, traces minéral blanc.
1225	0/0								100	8	8			8	8				IDEM
1230	0/0								100	8	8			8	8				IDEM
1235	0/0								100	8	8			8	8				IDEM
1240	0/0								100	8	8	8		8	8				IDEM
1245	0/0								100	8	8			8	8				IDEM
1250	0/0								100	8	8			8	8				IDEM
1255	0/0								100	8	8			8	8				Moins argileux
1260	0/0								100		8			8	8				Très légèrement argileux, sub-arrondi et sub-anguleux détachés.
1265	0/0								100		8			8	8				IDEM, mais plus propre.
1270	0/0								100		8			8	8				IDEM 1265 Traces pyrobitumes.
1275	0/0								100	8	8			8	8				Drilling break, sample no. 1277 m: IDEM 1270
1280	0/0								100	8	8			8	8				Très propre, quelques grains vert pâle.
1285	0/0								100	8	8			8	8				IDEM
1290	0/0								100	8	8			8	8				IDEM

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Geologue C. Denis

Nom du puits SOQUIP PETROFINA BECANCOUR NO 1

PROFONDEUR	Calcimétrie Dolométrie	LITHOLOGIE TYPE POURCENTAGE ET NUMEROS								GRANULO TRI CIMENT						REMARQUES					
		1	2	3	4	5	6	10	8	TRES-FIN	FIN	MOYEN	GROSSIER	MAUVAIS	MOYEN		BON	SILICE	CALCITE	DOLOMIE	
1295	0 0										8	8			8		8				Propre. Toujours détachés.
1300	0 0										8	8			8		8				Très légèrement argileux. Tr. minéral blanc, friable.
1305	0 0										8	8			8		8				
1310	0 0										8	8			8		8				Légèrement argileux et traces pyrobitumes.
1315	2 0										8	8			8		8	8			10% grains vert clair et 15% grains rougeâtre.
1320	2 0	tr									8	8			8	8	8	8			15% vert clair. 30% rougeâtre. Traces calcite.
1325	2 0											8			8		8				30% feldspaths
1330	5 2																				Bitumes. Traces calcite.
1335	11 5														60% siltstone rouge 10% siltstone gris						Tr-5% dolomie rose
1340	22 16														Tr. calcaire fossilifère 30% siltstone rouge à gr. fins très arg., 15% silts gris/shale.						10% dolomie rose - blanche.
1345	10 4																				Tr. siltstone gris foncé. Tr/5% dolomie blanche, grès gris blanc., dolomitique.
1350	2 1																				10% grès blanc à grains fins sub-anguleux, bon tri, ciment dolomitique, bitumen.
1355	4 1																				Beaucoup de fragments de Pré- cambrien/mica, calcaro-dolom.
1360	5 0																				
1365	0 1																				

1370 m K.B. - TOTAL DEPTH

SOQUIP

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Date

Géologue

Nom du puits

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C. Denis

SOQUIP PETROFINA BECANCOUR NO 1

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APPENDICES

4) Description des carottes

# SQUIP

Mud Logging Co.:

Géologue:

Claude Denis

Date:

81-01-06

Échelle:

1 cm = 10 cm

## ANALYSE DE CAROTTE

Puits:

SOQUIP PETROFINA BECANCOUR I

No. de Carotte:

- 1 -

Diamètre:

10 cm

Profondeur:

1139.00 - 1143.58 m

Longueur prévue:

4.75 m

KB

Récupération:

4.58 m = 96%

Permis:

## DESCRIPTION & REMARQUES

CALCIMÉTRIE DOLOMÉTRIE	Pauvre Moy. porosité Bonne	PERMÉABILITÉ	Morceaux	PROFONDEURS	LITHOLOGIE	DESCRIPTION & REMARQUES
	X				1139.00 m K.B.	<p>Grès translucide à gris clair, grains fins à moyens, <u>sub-arrondis</u> à sub-anguleux, bon tri, ciment siliceux, pyriteux, traces de micas. Porosité (lessivage) dans et près des fractures. Très minces lits de siltstone et shale (partiellement bitumineux) gris foncé à noir.</p> <p>— : Minces lits de siltstone. Shale (en partie bitumineux).            ..... : Fractures, lits fracturés.</p>
	X				Lits de shale	
	X				Fractures et porosité	
	X				Zone de fractures et porosité	
	X				Fractures poreuses	
	X				1139.50 m	
	X				Fractures poreuses	
	X				Shale et grès	
	X				Fractures et porosité	
	X				1140.00 m	
	X				Shale et grès, porosité	
	X				Fractures, porosité (zone)	
	X				Shale	
	X				Shale	
	X				Fracture, porosité	
	X				1140.50 m	



DESCRIPTION & REMARQUES

CALCIMÉTRIE	DOLOMÉTRIE	POUVRE	MOY POROSITÉ Bonne	PERMÉABILITI	Morceau	PROFONDEUR	LITHOLOGIE	DESCRIPTION & REMARQUES
		X	X					1142.50 m
		X	X					} Shale, grès zone de faible porosité
		X	X					
			X					Lits fracturés
			X					} Fractures
			X					
		X						Shale pyriteux, grès, faible porosité
		X						1143.00 m
		X						Fractures
		X	X					Shale, grès
			X					Shale et grès
		X						} Zone légèrement poreuse
		X						1143.50 m
								Fracture et pyrite
								1143.58 m K.B. Total

DATE:  
81-01-08

 ÉCHELLE:  
1 cm = 10 cm

**ANALYSE DE CAROTTE**

 PUIITS:  
SOQUIP PETROFINA BECANCOUR NO 1

 Diamètre: 10 cm  
Profondeur: 1146.00-1154.93 m K.B.

PERMIS:

No. DE CAROTTE:

- 2 -

Longueur prévue: 9.00 m

Récupération: 8.93 m = 99%

CALCIMÉTRIE DOLOMÉTRIE	Pauvre Moyenne Bonne Porosité	PERMÉABILITÉ	Morceaux	PROFONDEURS	LITHOLOGIE	DESCRIPTION & REMARQUES
						Grès translucide à gris clair, grains <u>fins</u> à moyens, <u>sub-arrondis</u> à sub-anguleux, tri moyen, ciment siliceux et légèrement dolomitique.
				1146.00 m		
					Grès et shale (bitumineux)	Multitude de minces lits de siltstone et shale (en partie bitumineux) gris foncé à noir.
					Faïlle avec décrochement d'environ 1-2 cm	Très légère porosité sur toute la carotte. Quelques niveaux (2-3 cm d'épais plus grossiers et légèrement poreux.
				1146.50 m		
X					2 minces lits poreux et pyrite	 : Mince lits de shale  : Lits fracturés, fractures
X						
X						
				1147.00 m		
					Plus grossier, faible porosité?	
				1147.50 m		



DESCRIPTION & REMARQUES

CALCIMÉTRIE	DOLOMÉTRIE	Pauvre Moy porosité Bonne	PERMÉABILITÉ	Morceaux	PROFONDEURS	LITHOLOGIE
		X			1149.00 m	
						Niveau 2-3 cm, grès très propre, translucide, légèrement pyriteux
		X				Fracture poreuse
					1149.50 m	
						Niveau plus propre
						Fracture et niveau plus propre, poreux
					1150.00 m	
						Faille avec shale Décrochement de 2 cm
					1150.50 m	



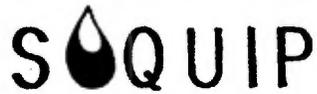
DESCRIPTION & REMARQUES

CALCIMÉTRIE DOLOMÉTRIE	PAUVRE	MOYENNE POROSITÉ Bonne	PERMÉABILITÉ	Morceaux	PROFONDEURS	LITHOLOGIE	
	X						- 1150,50 m
	X						Shale
							- 1151.00 m } 2-4 cm grès très propre, translucide
	X						Zone légèrement poreuse
	X						Porosité, lessivate
	X						
							Fracture, porosité
	X						- 1151.50 m
							Fracture, porosité
							Shale, grès
							- 1152.00 m } Zone de 3 cm, plus propre, fracture, légère porosité.

DESCRIPTION & REMARQUES

CALCIMÉTRIE	DOLOMÉTRIE	Pauvre	Bonne	PERMÉABILITI	Morceaux	PROFONDEUR	LITHOLOGIE	DESCRIPTION & REMARQUES
		X						- 1152.00 m Shale
		X						- 1152.50 m Shale
		X						- 1153.00 m Shale
		X						- 1153.50 m Shale





Mud Logging Co:	Géologue:
Date:	Claude Denis
81-01-09	Échelle:
	1 cm = 10 cm

**ANALYSE DE CAROTTE**

Puits:	No. de Carotte:
SQUIP PETROFINA BECANCOUR 1	- 3 -
Permis:	

Diamètre: 10 cm  
 Profondeur: 1155-1172.45 m K.B.  
 Longueur prévue: 17.50 m  
 Récupération: 17.45 m ≈ 100%

CALCIMÉTRIE DOLOMÉTRIE	Pauvre Moy Porosité Bonne	PERMÉABILITÉ	Morceaux	PROFONDEURS	LITHOLOGIE	DESCRIPTION & REMARQUES
---------------------------	---------------------------------	--------------	----------	-------------	------------	-------------------------

						Grès gris clair à gris brunâtre, grains fins à moyens, sub-arrondis et sub-anguleux bon tri, ciment siliceux, partiellement dolomitique et argileux (kaolinite), localement friable.
					- 1155.00 m K.B.	Très minces lits de siltstone et shale (en partie bitumineux) gris foncé à noir.
					- 1155.50 m	Porosité locale sur toute la carotte.
						Minces zones (2-3 cm) de grès, à grains moyens à grossiers, légèrement poreux.
						Semble très légèrement poreux.
						~ : Minces lits de shale ~ : Lits fracturés.
						Friable localement
					- 1156.00 m	
					- 1156.50 m	

DESCRIPTION & REMARQUES

CALCIMÉTRIE DOLOMÉTRIE	Pauvre Moyenneté Bonne	PERMÉABILIT	Morceaux	PROFONDEUR	LITHOLOGIE	DESCRIPTION & REMARQUES
	X					- 1156.50 m 5-10 cm zone poreuse (lessivage)
	X					- 1157.00 m Grains moyens à grossiers
						Quelques niveaux à grains moyens et grossiers Grès gris clair.
						- 1157.50 m
						- 1158.00 m
						- 1158.50 m







DESCRIPTION & REMARQUES

CALCIMÉTRIE	DOLOMÉTRIE	Pauvre Moyenneté Bonne	PERMÉABILITÉ	Morceaux	PROFONDEUR:	LITHOLOGIE
						- 1165.00 m Shale
						Grès - 1165.50 m
						Shale
						- 1166.00 m
						Shale
						Grès gris brunâtre
						- 1166.50 m
						Cross-bedding?
						Shale
						- 1167.00 m
						Grès gris brunâtre
						- 1167.50 m



CALCIMÉTRIE DOLOMÉTRIE	POROSITÉ	PERMÉABILITI	Morceaux	PROFONDEURS	LITHOLOGIE	DESCRIPTION & REMARQUES
						- 1169.00 m Shale
						- 1169.50 m } Grès gris brunâtre
						- 1170.00 m
						- 1170.50 m Shale
						Shale
						Shale - 1171.00 m



V-

APPENDICES

5) Rapports journaliers de forage

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-23 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 38

PROFONDEUR m : 1372 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : 2 m

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : Entré le coffrage

COFFRAGE : \_\_\_\_\_

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ s/ℓ : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_  
 DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa·s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_  
 GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_  
 VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_  
 VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	24		
KCL			
NaOH	1		
SS-100			
FLR-100 E			
BARITE	265		

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

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_  
 DIM. mm \_\_\_\_\_  
 CPM \_\_\_\_\_  
 DÉBIT ℓ/min \_\_\_\_\_  
 PRESSION kPa \_\_\_\_\_  
 POUVOIR HYDR. \_\_\_\_\_ / \_\_\_\_\_  
 COÛT JOUR \$ 11,837.  
 COÛT CUMUL. \$ 801,257

### CHRONOLOGIE

FORAGE h \_\_\_\_\_  
 ALÉSAGE h \_\_\_\_\_  
 VOYAGE h \_\_\_\_\_  
 RELEVES h \_\_\_\_\_  
 CIRCULATION h \_\_\_\_\_  
 ENTRETIEN h \_\_\_\_\_  
 REPÊCHAGE h \_\_\_\_\_  
 DIAGRAPHIES h \_\_\_\_\_  
 TESTS h \_\_\_\_\_  
 COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Descendu les tiges, mélange de la barite et circulé pendant 8 heures, ressortir et dé-  
monté les tiges de forage. Commencé à entrer le coffrage 5½" (140mm).

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-22 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 37

PROFONDEUR m : 1370 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : \_\_\_\_\_

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ s/l : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

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

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

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_

DIM. mm \_\_\_\_\_

CPM \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_

PRESSION kPa \_\_\_\_\_

POUVOIR HYDR. \_\_\_\_\_ / \_\_\_\_\_

COÛT JOUR \$ appx 12000

COÛT CUMUL. \$ 789,420

### CHRONOLOGIE

FORAGE h \_\_\_\_\_

ALÉSAGE h \_\_\_\_\_

VOYAGE h \_\_\_\_\_

RELEVÉS h \_\_\_\_\_

CIRCULATION h \_\_\_\_\_

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Démonté les tiges une par une en sortant du trou et les coucher sur les supports. Démonté les outils de Lynes. Attente des équipements de ciment pour la cimentation en 2 étages. La boue s'écoule librement en dehors du coffrage. Récupéré les 6 masses-tiges et commencé à entré des tiges de forage pour tué le puits.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-21 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 36  
 PROFONDEUR m : 1370 TD  
 PROFONDEUR HIER m : 1370  
 AVANCEMENT m : -  
 FORMATION : Potsdam  
 ACTIVITÉ COURANTE : Voyage  
 COFFRAGE : 244mm à 153m

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

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_  
 DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa·s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_  
 GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg / m<sup>3</sup> : \_\_\_\_\_  
 VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_  
 VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	18		
KCL			
NaOH	2		
SS-100			
FLR-100 E			
BARITE			

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_  
 DIM. mm \_\_\_\_\_  
 CPM \_\_\_\_\_  
 DÉBIT ℓ/min \_\_\_\_\_  
 PRESSION kPa \_\_\_\_\_  
 POUVOIR HYDR. \_\_\_\_\_ / \_\_\_\_\_  
 COÛT JOUR \$ 23,140  
 COÛT CUMUL. \$ 777,420

### CHRONOLOGIE

FORAGE h \_\_\_\_\_  
 ALÉSAGE h \_\_\_\_\_  
 VOYAGE h 4½  
 RELEVES h \_\_\_\_\_  
 CIRCULATION h 2½  
 ENTRETIEN h ½  
 REPÊCHAGE h \_\_\_\_\_  
 DIAGRAPHIES h \_\_\_\_\_  
 TESTS h no 19 : 16h  
 COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE 2

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PUITS: SOQUIP PETROFINA BECANCOUR NO. 1

1981-01-21

JOUR DE FORAGE 36

ACTIVITES PRECEDENTES

Entré et circulé, sorti et entré pour DST no. 9 de 1094 à 1101 m.

PF : 10 min., faible arrivée d'air croissant à moyen

ISI : 30 min,

FF : 60 min, faible arrivée d'air croissant à moyen - NGTS

FSI : 120 min, récupéré 30 m de boue de forage d'une salinité de 57100 ppm

IHP : 14041 kPa

PFP : 454 kPa

ISIP: 2274 kPa

IFP : 454

FFP : 545 kPa

FSIP: 4925 kPa

FHP : 14041 kPa

Sorti les outils, entré avec le trépan pour conditionner la boue

\* Arrivée d'Halliburton au site à 12:00 minuit

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-20 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 35

PROFONDEUR m : 1370 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : Entré pour circuler

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE/VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_/\_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	18		
KCL			
NaOH			
SS-100			
FLR-100 E			
BARITE	50		

### DONNEES HYDRAULIQUES

### CHRONOLOGIE

POMPE No. \_\_\_\_\_ ALÉSAGE h \_\_\_\_\_

DIM. mm \_\_\_\_\_ VOYAGE h 2½

CPM \_\_\_\_\_ RELEVES h \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_ CIRCULATION h 4½

PRESSION kPa \_\_\_\_\_ ENTRETIEN h \_\_\_\_\_

POUVOIR HYDR. \_\_\_\_\_/\_\_\_\_\_ REPÊCHAGE h \_\_\_\_\_

COÛT JOUR \$ 28,037. DIAGRAPHIES h \_\_\_\_\_

COÛT CUMUL. \$ 754,280 TESTS h No.7 17h

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

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PUITS: SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-20

JOUR DE FORAGE 35

ACTIVITES PRECEDENTES

Conditionné la boue. Entré pour le DST No. 7 de 795 à 835 m.

PF : 10 minutes, forte arrivée d'air à faible après 10 minutes.  
NGTS

ISI : 30 minutes

FF : GTS - tstm pendant 30 minutes, après 40 minutes 3014 m<sup>3</sup>/j et les 10 dernières minutes stabilisé à 2535 m<sup>3</sup>/j (90 mcf) (avec un orifice de 9.5 mm).

Récupéré 450 m d'eau salée (140 000 ppm)

BHT : 29°C

IHP : 10036 kPa

PPF : 727 kPa

FPFP: 2728 kPa

ISIP: 8500 kPa

IFP : 3183 kPa

FFP : 5049 kPa

FSIP: 7217 kPa

FHP : 9875 kPa

Démonté les outils DST.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANOUR NO. 1

DATE : 1981-01-19 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 34

PROFONDEUR m : 1370 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : \_\_\_\_\_

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL			
KCL			
NaOH	2		
SS-100			
FLR-100 E			
BARITE	50		
Rig oil	2		

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_

DIM. mm \_\_\_\_\_

CPM \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_

PRESSION kPa \_\_\_\_\_

POUVOIR HYDR. \_\_\_\_\_ / \_\_\_\_\_

COÛT JOUR \$ 19,847.

COÛT CUMUL. \$ 726,243

### CHRONOLOGIE

FORAGE h \_\_\_\_\_

ALÉSAGE h \_\_\_\_\_

VOYAGE h 2½

RELEVES h \_\_\_\_\_

CIRCULATION h 2½

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h Nos: 5 & 6: 19h

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

PUITS: SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-19

JOUR DE FORAGE: 34

ACTIVITES PRECEDENTES:

Entré pour DST No. 5, brisé le packer, sorti du trou. Installé nouveau packer pour DST no. 6 de 939 à 952 m.

PF : 15 minutes, forte arrivée d'air pas de gaz.

ISI : 30 min

FF : 60 min, faible arrivée d'air décroissant à rien en 15 minutes

FSI : 120 min.

Récupéré 12 m de boue de forage

T : 32°C

CL : 57 000 ppm

IHP : 11131 kPa

PFP : 721 kPa

ISIP : 818 kPa

IFP : 727 kPa

FFP : 727 kPa

FSIP : 818 kPa

FHP : 11045 kPa

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-18 FOREUSE No. 6

JOUR DE FORAGE : 33  
 PROFONDEUR m : 1370 TD  
 PROFONDEUR HIER m : 1370  
 AVANCEMENT m : 0  
 FORMATION : Précambrien  
 ACTIVITÉ COURANTE : DST No.4 & 5  
 COFFRAGE : 244mm à 153m

Jean Boudreault

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

### PROPRIÉTÉS DE LA BOUE

TYPE : SS100 Gel KCl VISCOSITÉ s/c : 45 pH : 11.0 PE/VP :    
 DENSITÉ kg/m<sup>3</sup> : 1115 VISC. PLASTIQUE mPa.s :   GEL Pa :    
 GRADIENT kPa/m : 11,0 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> :    
 VITESSE ANNULAIRE m/min :   PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm :    
 VOLUME CIRCULÉ m<sup>3</sup> :   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

### CHRONOLOGIE

FORAGE h    
 POMPE No.   ALÉSAGE h    
 DIM. mm   VOYAGE h    
 CPM   RELEVES h    
 DÉBIT ℓ/min   CIRCULATION h    
 PRESSION kPa   ENTRETIEN h    
 POUVOIR HYDR.  /   REPÊCHAGE h    
 COÛT JOUR \$ 17,307. DIAGRAPHIES h    
 COÛT CUMUL. \$ 706,396. TESTS h    
 COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

PUITS: SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-18

JOUR DE FORAGE: 33

Fin de sortir le DST No.2. Réentré pour DST no. 3 (1028-1048m)

PF : 5 min

ISI : 30 min

IF : 60 min

FSI : 120 min

Sur le preflow, forte arrivée d'air. N.G.T.S.. Sur IF GST 1 minute

Temps	Orifice (mm)	Pression (kPa)	Débit m <sup>3</sup> /jour
5	6.38	165	1498
10		179	1541
15		179	1541
20		186	1625
25		186	1625
30		193	1662
35		158	1459
40		124	1236
45		110	1152
50		110	1152
55		110	1152
60		110	1152

perte de boue momentanée dans le trou

IHP : 13360 kPa

PFP : 272 kPa

ISIP : 12245 kPa

IFP : 272 kPa

FFP : 454 kPa

FSIP : 12245 kPa

FHP : 13189 kPa

Récupéré 318 m de boue de forage gazéifiée.

Salinité 58,000 ppm

Boue de forage 40,000ppm

Collectionné 3 échantillons

Réentré pour DST Nos. 4 & 5

DST No. 4: 970-990 m

DST No. 5: misrun

DST No.4

PF : 5 min

ISI : 30 min

IF : 60 min

FSI : 130 min

IHP : 12120 kPa

PFP : 1160 kPa

ISIP : 8769 kPa

IFP : 663 kPa

FFP : 1160 kPa

FSIP : 8769 kPa

FHP : 11793 kPa

Temps	Orifice	Pression	Débit
5	3,175	-----	----
10	"	89	309
15	"	131	394
20	"	165	464
25	"	193	512
30	6,35	131	1281
35		131	1281
40		131	1281
45		131	1281
50		165	1498
55		165	1498
60		165	1498

collectionné 3 échantillons

Récupéré 140m de boue de forage légèrement gazéifiée

Salinité: 46 000 ppm

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-17 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 32

PROFONDEUR m : 1370 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : ----

FORMATION : Précambrien

ACTIVITÉ COURANTE : Sortie DST No.2

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ *slt* : 45 pH :    PE / VP :   

DENSITÉ kg/m<sup>3</sup> : 1090-1150 VISC. PLASTIQUE mPa.s :    GEL Pa :   

GRADIENT kPa/m :    POINT D'ÉCOUL. Pa :    POLYMER kg/m<sup>3</sup> :   

VITESSE ANNULAIRE m/min :    PERTE D'EAU cm<sup>3</sup> :    K<sup>+</sup> ppm :   

VOLUME CIRCULÉ m<sup>3</sup> :    TEMPS DE CIRCULATION min (fond-surf.) :    TOTAL :   

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	38		
KCL			
NaOH	8		
SS-100			
FLR-100 E			
BARITE	185		

### DONNEES

#### HYDRAULIQUES

POMPE No.   

DIM. mm   

CPM   

DÉBIT *l*/min   

PRESSION kPa   

POUVOIR HYDR.   

COÛT JOUR \$ 19,850

COÛT CUMUL. \$ 689,089

### CHRONOLOGIE

FORAGE h   

ALÉSAGE h   

VOYAGE h 8

RELEVES h   

CIRCULATION h 9½

ENTRETIEN h   

REPÊCHAGE h   

DIAGRAPHIES h   

TESTS h No.2 6½

COFFRAGE, CIMENT h   

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

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PUITS: SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-17

JOUR DE FORAGE: 32

ACTIVITES PRECEDENTES

Finis d'entrer dans le trou. Conditionner le trou en mélangeant bentonite et baryte.  
Sorti les tiges. Mis en place les outils pour DST No.2. Entré dans le trou et fait  
DST NO.2.

PF : 5 min

ISI : 30 min

IF : 30 min

FSI : 90 min

Sur le PF bonne arrivée d'air.

Sur IF forte arrivée d'air décroissant à faible après 30 minutes.

IH : 14151 kPa

IPFP: 414 kPa

FPPF: 497 kPa

ISIP: 11365 kPa

IFP : 414 kPa

FFP : 828 kPa

FSIP: 13051 kPa

FHIP: 13806 kPa

Salinité: 240,000 ppm Sel: récupéré 90 m d'eau boueuse gazéifiée

Collectionné 3 échantillons

BHT: 32°C

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR No. 1

DATE : 1981-01-16 FOREUSE No. 6

JOUR DE FORAGE : 31

Yvan Tessier

PROFONDEUR m : 1370 TD

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : Potsdam

ACTIVITÉ COURANTE : Conditionner le trou

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE/VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_/\_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ 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

### CHRONOLOGIE

POMPE No. \_\_\_\_\_ ALÉSAGE h \_\_\_\_\_

DIM. mm \_\_\_\_\_ VOYAGE h 2½

CPM \_\_\_\_\_ RELEVES h \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_ CIRCULATION h 1½

PRESSION kPa \_\_\_\_\_ ENTRETIEN h \_\_\_\_\_

POUVOIR HYDR. \_\_\_/\_\_\_ REPÊCHAGE h \_\_\_\_\_

COÛT JOUR \$ 19,857. DIAGRAPHIES h \_\_\_\_\_

COÛT CUMUL. \$ 669,239 TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

VOIR FEUILLE NO. 2

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PUITS: SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-16

JOUR : 31

ACTIVITES PRECEDENTES

Conditionné la boue, sorti du trou, installé l'équipement d'essais aux tiges. Entré lentement au fond du trou et effectuer DST no. 1 de 1335 à 1370m (Inflatable B.H.).

P.F. 10 min - aucune arrivée d'air à la surface

ISI: 30 min

FF: 60 min - aucune arrivée d'air

FSI: 120 min.

N'ayant pas la tête d'essais de Lynes, nous utilisons pour conduire le retour de fluide, les "kelly et les stabling valve". Terminé le DST et sortir du trou et entrer pour conditionner la boue.

Lecture préliminaire des chartes de DST NO. 1 (1335-1370)

IHP : 16978 kPa

PFP : 1160 kPa

ISIP : 14065 kPa

IFP : 1160 kPa

FFP : 1408 kPa

FSIP : 14668 kPa

FHP : 16305 kPa

Note: La courbe n'est pas stabilisée à la fin du FSI - BHT: 33°C récupéré 90 m d'eau boueuse salée (80 000 ppm). Pris 3 échantillons.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-15 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 30

PROFONDEUR m : 1370 (TD)

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : Précambrien

ACTIVITÉ COURANTE : Circulation

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCL VISCOSITÉ *slc* : 40-47 pH : 11 PE / VP :  

DENSITÉ kg/m<sup>3</sup> : 1100-1130 VISC. PLASTIQUE mPa·s :   GEL Pa :  

GRADIENT kPa/m : 11,2 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 17 000

VOLUME CIRCULÉ m<sup>3</sup> : 677 TEMPS DE CIRCULATION min (fond-surf.) : 36 TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	30	689	104
KCL	0	604	125
NaOH	8	128	18
SS-100			
FLR-100 E			
BARITE	200	1897	-

### ACTIVITES PRÉCÉDENTES

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x406

CPM 45

DÉBIT ℓ/min 980

PRESSION kPa 3500

POUVOIR HYDR.   /  

COÛT JOUR \$ 18,993

COÛT CUMUL. \$ 649,382

### CHRONOLOGIE

FORAGE h  

ALÉSAGE h  

VOYAGE h 7½

RELEVÉS h  

CIRCULATION h 12

ENTRETIEN h 1

REPÊCHAGE h  

DIAGRAPHIES h 3½

TESTS h  

COFFRAGE, CIMENT h  

VOIR FEUILLE NO. 2

PUITS:SOQUIP PETROFINA BECANCOUR NO. 1  
1981-01-15

JOUR DE FORAGE \_\_\_\_\_ 30

ACTIVITES PRECEDENTES

Finis d'enregistrer FDC-GR (1369-165m). Démanteler les outils de Schlumberger.  
Entré dans le trou pour conditionner la boue, circulé 2 heures.  
Commencé à sortir les tiges lentement. Arrêter avant de sortir les masses-tiges.  
Le puits s'écoule lentement. Réentrer pour alourdir la boue. Commencé à  
circuler. La viscosité descend à 37 CPS et la boue est gazéifiée.  
Mélange de la barite et du gel et fait fonctionner le degazeur au maximum.  
08:00 Viscosité: 47 CPS  
Densité : 1115 kg/m<sup>3</sup> (la densité était auparavant descendu à 1080 kg/m<sup>3</sup>)  
Continué à circuler et à conditionner la boue en vue du DST No. 1

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-14 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 29

PROFONDEUR m : 1370

PROFONDEUR HIER m : 1370

AVANCEMENT m : 0

FORMATION : Précambrien

ACTIVITÉ COURANTE : diagraphies

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

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

### PROPRIÉTÉS DE LA BOUE

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

DENSITÉ kg/m<sup>3</sup> :   VISC. PLASTIQUE mPa.s :   GEL Pa :   /  

GRADIENT kPa/m :   POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> :  

VITESSE ANNULAIRE m/min :   PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm :  

VOLUME CIRCULÉ m<sup>3</sup> :   TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	-	659	134
KCL		604	125
NaOH		120	26
SS-100		46	12
FLR-100 E			
BARITE		1697	

### DONNEES

#### HYDRAULIQUES

POMPE No.  

DIM. mm  

CPM  

DÉBIT l/min  

PRESSION kPa  

POUVOIR HYDR.   /  

COÛT JOUR \$ 32,597.

COÛT CUMUL. \$ 630,389.

### CHRONOLOGIE

FORAGE h  

ALÉSAGE h  

VOYAGE h  

RELEVES h  

CIRCULATION h  

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h 24

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Finis d'enregistrer Sonic, Gamma-ray, Caliper de 1370 à 153 m. Entré et enregistré diagraphies Dual Laterolog, MSFL, Gamma-Ray de 1369 à 165m. Entré avec combinaison CNL-FDC Gamma-Ray, . CNL ne fonctionne pas. Sorti l'outil et entré avec HDT-FIL, enregistré de 1368.5 à 165 m. Réentré avec le FDC et commencé à enregistrer ce dernier.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-13 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 28

PROFONDEUR m : 1370

PROFONDEUR HIER m : 1358

AVANCEMENT m : 12

FORMATION : Précambrien

ACTIVITÉ COURANTE : diagraphies

COFFRAGE : \_\_\_\_\_

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE/VP : \_\_\_\_\_  
 DENSITÉ kg/m<sup>3</sup> : 1150 VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_/  
 GRADIENT kPa/m : 11,3 POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_  
 VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_  
 VOLUME CIRCULÉ m<sup>3</sup> : 177 TEMPS DE CIRCULATION min (fond-surf.) : 37 TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	19	659	134
KCL		604	125
NaOH	2	120	26
SS-100	1	46	12
FLR-100 E			
BARITE	170	1697	

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_ ALÉSAGE h \_\_\_\_\_  
 DIM. mm \_\_\_\_\_ VOYAGE h 10  
 CPM \_\_\_\_\_ RELEVES h \_\_\_\_\_  
 DÉBIT l/min \_\_\_\_\_ CIRCULATION h 3½  
 PRESSION kPa \_\_\_\_\_ ENTRETIEN h \_\_\_\_\_  
 POUVOIR HYDR. \_\_\_\_\_/\_\_\_\_ REPÊCHAGE h \_\_\_\_\_  
 COÛT JOUR \$ 35,477. DIAGRAPHIES h 6½  
 COÛT CUMUL. \$ 597,792. TESTS h \_\_\_\_\_

### CHRONOLOGIE

FORAGE h 3½  
 ALÉSAGE h \_\_\_\_\_  
 VOYAGE h 10  
 RELEVES h \_\_\_\_\_  
 CIRCULATION h 3½  
 ENTRETIEN h \_\_\_\_\_  
 REPÊCHAGE h \_\_\_\_\_  
 DIAGRAPHIES h 6½  
 TESTS h \_\_\_\_\_  
 COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1370m. Circulé et sorti les tiges pour prendre diagraphies. Petites venues de gaz. Ré-entré pour alourdir la boue jusqu'à 1150kg/m<sup>3</sup>. Sorti les tiges et entré pour enregistrer les diagraphies: SONIC GAMMA-RAY, Caliper.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-12 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 27

PROFONDEUR m : 1358

PROFONDEUR HIER m : 1323

AVANCEMENT m : 35

FORMATION : grès de base

ACTIVITÉ COURANTE : forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 50 pH : 11 PE / VP : 1,45

DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 8 GEL Pa : 10 / 14

GRADIENT kPa/m : 10,7 POINT D'ÉCOUL. Pa : 12 POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 22 000

VOLUME CIRCULÉ m<sup>3</sup> : 177 TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL : 36

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	16	640	153
KCL	15	604	125
NaOH	3	118	28
SS-100	2	45	13
FLR-100 E			
BARITE	160	1527	503

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x403

CPM 45

DÉBIT ℓ/min 950

PRESSION kPa 4000

POUVOIR HYDR.   /  

COÛT JOUR \$ 19,272

COÛT CUMUL. \$ 562,315

### CHRONOLOGIE

FORAGE h 15½

ALÉSAGE h  

VOYAGE h 6½

RELEVÉS h  

CIRCULATION h 2½

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1333m. Sorti les tiges, changé le trépan et foré jusqu'à 1358m.

Note: Arrivée de Schlumberger sur le site à 5h30 am.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-11 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 26

PROFONDEUR m : 1323

PROFONDEUR HIER m : 1253

AVANCEMENT m : 70

FORMATION : Potsdam

ACTIVITÉ COURANTE : forage

COFFRAGE : \_\_\_\_\_

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m
_____	_____
_____	_____
_____	_____
_____	_____

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 50 pH : 11 PE/VP : 2,14

DENSITÉ kg/m<sup>3</sup> : 1070 VISC. PLASTIQUE mPa.s : 7 GEL Pa : 12/15

GRADIENT kPa/m : 10,5 POINT D'ÉCOUL. Pa : 15 POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : 23 000

VOLUME CIRCULÉ m<sup>3</sup> : 175 TEMPS DE CIRCULATION min (fond-surf.) : 35 TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>45</u>	<u>624</u>	<u>669</u>
KCL	<u>15</u>	<u>589</u>	<u>140</u>
NaOH	<u>10</u>	<u>115</u>	<u>31</u>
SS-100	<u>2</u>	<u>43</u>	<u>15</u>
FLR-100 E			
BARITE	<u>50</u>	<u>1367</u>	<u>663</u>
Scavenger	<u>1baril</u>		

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1323m

Trépan No.	RR8C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J99		
Série	ZX111		
Gicleurs mm			
Poids daN	11 000		
RPM	50		
Sortie m			
Entrée m	1172		
Avancement m	151		
Heures	55½		
Taux m/h	2,72		
Condition	forage		

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x403

CPM 45

DÉBIT l/min 950

PRESSION kPa 4700

POUVOIR HYDR. /

COÛT JOUR \$ 14,922.

COÛT CUMUL. \$ 543,043.

### CHRONOLOGIE

FORAGE h 24

ALÉSAGE h \_\_\_\_\_

VOYAGE h \_\_\_\_\_

RELEVES h \_\_\_\_\_

CIRCULATION h \_\_\_\_\_

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-10 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 25

PROFONDEUR m : 1253

PROFONDEUR HIER m : 1192

AVANCEMENT m : 61

FORMATION : Grès

ACTIVITÉ COURANTE : forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 55 pH : 11 PE/VP : 1,88  
 DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 8 GEL Pa : 14 / 17  
 GRADIENT kPa/m : 10,7 POINT D'ÉCOUL. Pa : 15 POLYMER kg/m<sup>3</sup> : trace  
 VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 20 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 173 TEMPS DE CIRCULATION min (fond-surf) : 33 TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	20	579	214
KCL	0	574	155
NaOH	6	105	41
SS-100	3	41	17
FLR-100 E			
BARITE	75	1317	713

### ACTIVITÉS PRÉCÉDENTES

Foré jusqu'à 1253m

Trépan No.	RR8C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J99		
Série	ZX111		
Gicleurs mm			
Poids daN	11 000		
RPM	50		
Sortie m			
Entrée m	1172		
Avancement m	81		
Heures	31,5		
Taux m/h	2,57		
Condition	forage		

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700  
 DIM. mm 140x403  
 CPM 45  
 DÉBIT l/min 950  
 PRESSION kPa 3800  
 POUVOIR HYDR.   /    
 COÛT JOUR \$ 14,677.  
 COÛT CUMUL. \$ 528,121.

### CHRONOLOGIE

FORAGE h 24  
 ALÉSAGE h    
 VOYAGE h    
 RELEVÉS h    
 CIRCULATION h    
 ENTRETIEN h    
 REPÊCHAGE h    
 DIAGRAPHIES h    
 TESTS h    
 COFFRAGE, CIMENT h

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-09 FOREUSE No6

Jean Boudreault

JOUR DE FORAGE : 24

PROFONDEUR m : 1192

PROFONDEUR HIER m : 1164

AVANCEMENT m : 28

FORMATION : Grès

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ slc : 50 pH : 11 PE/VP : 2  
 DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 10 GEL Pa : 15 / 20  
 GRADIENT kPa/m : 10,7 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m<sup>3</sup> : trace  
 VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 25 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 171 TEMPS DE CIRCULATION min (fond-surf.) : 32 TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	15	559	234
KCL	0	574	155
NaOH	6	99	47
SS-100	4	38	20
FLR-100 E			
BARITE	180	1242	279

Trépan No.	RRC3	RR8C	
Grandeur mm	215	216	
Marque	CHRISTEN.	H.W.	
Modèle	MC20	J99	
Série	8DE01212	ZX111	
Gicleurs mm	-----	----	
Poids daN	10 000	11 000	
RPM	80	50	
Sortie m	1172.5	1172	
Entrée m	1155		
Avancement m	17½	20	
Heures	11½	7½	
Taux m/h	1,52	2,67	
Condition	bonne	forage	

### ACTIVITES PRÉCÉDENTES

Finis de foré carotte no.3, récupéré 100% (17.5m). Enlevé le tube carottier, mis en place l'assemblage de forage normal. Entré dans le trou, alésé et foré jusqu'à 1192m.

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700  
 DIM. mm 140x406  
 CPM 52  
 DÉBIT l/min 1020  
 PRESSION kPa 3800  
 POUVOIR HYDR.   /    
 COÛT JOUR \$ 15,327.  
 COÛT CUMUL. \$ 513,444

### CHRONOLOGIE

Carottage: 6½ hres  
 FORAGE h 7½  
 ALÉSAGE h 1½  
 VOYAGE h 8  
 RELEVES h    
 CIRCULATION h 1  
 ENTRETIEN h    
 REPÊCHAGE h    
 DIAGRAPHIES h    
 TESTS h    
 COFFRAGE, CIMENT h

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANOUR NO. 1

DATE : 1981-01-08 FOREUSE No. 6

JOUR DE FORAGE : 23

Jean Boudreault

PROFONDEUR m : 1164

PROFONDEUR HIER m : 1146

AVANCEMENT m : 18

FORMATION : Potsdam

ACTIVITÉ COURANTE : Carottage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

Trépan No.	RRC2	RRC3	
Grandeur mm	215	215	
Marque	CHRISTE..	CHRISTEN.	
Modèle	MC20	MC20	
Série	8DE01212	8DE01212	
Gicleurs mm	-----	-----	
Poids daN	10 000	10 000	
RPM	80	80	
Sortie m	1155	----	
Entrée m	1146	1155	
Avancement m	9	9	
Heures	6	5	
Taux m/h	1,5	1,8	
Condition	Bonne	Forage	

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 55 pH : 11.5 PE/VP : 2

DENSITÉ kg/m<sup>3</sup> : 1100 VISC. PLASTIQUE mPa.s : 10 GEL Pa : 15 / 18

GRADIENT kPa/m : 10,8 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 26 000

VOLUME CIRCULÉ m<sup>3</sup> : 170 TEMPS DE CIRCULATION min (fond-surf.) : 31 TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	18	544	249
KCL	20	574	155
NaOH	7	93	53
SS-100	2	34	24
FLR-100 E			
BARITE	20	1062	209
Scavenger	1 b.		

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700 ALÉSAGE h 1

DIM. mm 140x406 VOYAGE h 9½

CPM 52 RELEVES h  

DÉBIT l/min 1020 CIRCULATION h 2½

PRESSION kPa 6300 ENTRETIEN h  

POUVOIR HYDR. 1 REPÊCHAGE h  

COÛT JOUR \$ 15,917. DIAGRAPHIES h  

COÛT CUMUL. \$ 498,117. TESTS h  

### CHRONOLOGIE

carottage: 11h

câble FORAGE h 1

### ACTIVITES PRÉCÉDENTES

Finis d'entrer les tiges, foré 9m de carottes, récupération carotte no. 2, 100%. Installé

le tube carottier de 18m, entré dans le trou pour carotte no. 3. Carotté jusqu'à 1164m ?

Note: Avant de sortir les tiges, pompé un coussin de 20 sacs de barite dans les tiges.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANOUR NO. 1

DATE : 1981-01-07 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 22  
 PROFONDEUR m : 1146  
 PROFONDEUR HIER m : 1139  
 AVANCEMENT m : 7  
 FORMATION : Grès  
 ACTIVITÉ COURANTE : Entrée des tiges  
 COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : GEL KCl SS-100 VISCOSITÉ s/l : 50 pH : 11.5 PE / VP : 2,57  
 DENSITÉ kg/m<sup>3</sup> : 1120 VISC. PLASTIQUE mPa.s : 7 GEL Pa : 8 / 10  
 GRADIENT kPa/m : 11 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m<sup>3</sup> : 0,15  
 VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> : K<sup>+</sup> ppm : 22 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 169 TEMPS DE CIRCULATION min (fond-surf.) : TOTAL : 30

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	17	526	267
KCL	20	554	175
NaOH	3	86	60
SS-100	1	32	26
FLR-100 E			
BARITE	165	1042	229

Trépan No.	C1	RR7C	RRC2
Grandeur mm	215	216	215
Marque	CHRISTEN.	H.W.	CHRISTENSEN
Modèle	MC20	J99	MC20
Série	80E01212	ZX111	8DE01212
Gicleurs mm	----	2x9,5 1x8,7	----
Poids daN	10 000	12000	----
RPM	80	50	
Sortie m	1144	1146	
Entrée m	1139	1144	1146
Avancement m	5	2	
Heures	8	1	
Taux m/h	0,63	2	
Condition	bonne	1-1-1	

### DONNEES HYDRAULIQUES

POMPE No. 20700  
 DIM. mm 140x406  
 CPM 52  
 DÉBIT l/min 1020  
 PRESSION kPa 5000  
 POUVOIR HYDR. /  
 COÛT JOUR \$ 19,757.  
 COÛT CUMUL. \$ 482,200.

### CHRONOLOGIE

Carottage: 8 hres  
 FORAGE h 1  
 ALÉSAGE h 1  
 VOYAGE h 9½  
 RELEVES h  
 CIRCULATION h 4½  
 ENTRETIEN h  
 REPÊCHAGE h  
 DIAGRAPHIES h  
 TESTS h  
 COFFRAGE, CIMENT h

### ACTIVITES PRÉCÉDENTES

Carotté jusqu'à 1144m, sorti les tiges, récupéré 4.6m/4.75 (97%). Enlevé le tube carottier et entré avec assemblage standard pour forer, foré 2 m, circulé pour échantillons, le puits s'écoule par lui-même lorsque les pompes sont arrêtés. Mélangé 135 sacs de barite, tué le puits. Sorti les tiges, mis en place le tube carottier et commencé à entrer dans le trou pour carotte no. 2

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-06 FOREUSE No. 6

Y, Tessier

JOUR DE FORAGE : 21

PROFONDEUR m : 1139

PROFONDEUR HIER m : 1131

AVANCEMENT m : 8

FORMATION : Potsdam

ACTIVITÉ COURANTE : Carottage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : GEL KCl SS-100 VISCOSITÉ *slc* : 48 pH : 11.5 PE/VP : 2.57

DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 7 GEL Pa : 8/10

GRADIENT kPa/m : 10.70 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m<sup>3</sup> : 0.15

VITESSE ANNULAIRE m/min : 38 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 23 000

VOLUME CIRCULÉ m<sup>3</sup> : 169 TEMPS DE CIRCULATION min (fond-surf.) : 30 TOTAL : 163

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	----	509	250
KCL	30	534	205
NaOH	5	83	63
SS-100	3	31	27
FLR-100 E			
BARITE	115	877	191

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x406

CPM 54

DÉBIT l/min 1037

PRESSION kPa 5000

POUVOIR HYDR.   /  

COÛT JOUR \$ 18,837.

COÛT CUMUL. \$ 462,443

### CHRONOLOGIE

FORAGE h 9½

ALÉSAGE h ½

VOYAGE h 11½

RELEVES h  

CIRCULATION h 2

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1134m, changé le trépan, foré jusqu'à 1139, Sorti du trou, installé

le carottier avec un trépan neuf et un "catcher" neuf. Entré pour prendre la carotte

no. 1.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-05 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 20

PROFONDEUR m : 1131

PROFONDEUR HIER m : 1111

AVANCEMENT m : 20

FORMATION : Potsdam

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2½</u>	<u>1093</u>

Trépan No.	5C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J99		
Série	29013		
Gicleurs mm	9.5x8.7		
Poids daN	12000		
RPM	50		
Sortie m	----		
Entrée m	1109		
Avancement m	22		
Heures	26		
Taux m/h	0.85		
Condition	Forage		

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ s/c : 55 pH : 11.5 PE/VP : 2.50

DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 8 GEL Pa : 8 / 10

GRADIENT kPa/m : 10,69 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m<sup>3</sup> : 0.15

VITESSE ANNULAIRE m/min : 32 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 22000

VOLUME CIRCULÉ m<sup>3</sup> : 169 TEMPS DE CIRCULATION min (fond-surf.) : 3.5 TOTAL : 196

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>55</u>	<u>509</u>	<u>110</u>
KCL	<u>40</u>	<u>504</u>	<u>235</u>
NaOH	<u>5</u>	<u>78</u>	<u>14</u>
SS-100	<u>3</u>	<u>28</u>	<u>6</u>
FLR-100 E			
BARITE	<u>127</u>	<u>762</u>	<u>306</u>
Scavenger	<u>1</u>		
Rig oil,	<u>2</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x406

CPM 45

DÉBIT l/min 864

PRESSION kPa 4000

POUVOIR HYDR.   /  

COÛT JOUR \$ 16,382.

COÛT CUMUL. \$ 443,602

### CHRONOLOGIE

FORAGE h 23½

ALÉSAGE h  

VOYAGE h  

RELEVÉS h  

CIRCULATION h  

ENTRETIEN h ¼

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1131m (Gas cut mud)

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-04 FOREUSE No. 6

Y. Tessier

JOUR DE FORAGE : 19

PROFONDEUR m : 1111

PROFONDEUR HIER m : 1093

AVANCEMENT m : 19

FORMATION : Potsdam

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

Trépan No.	4C	5C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J77	J99	
Série	41000	29013	
Gicleurs mm	9,59,58,7	9,59,58,7	
Poids daN	12 000	12 000	
RPM	60	60	
Sortie m	1109	----	
Entrée m	1089	1109	
Avancement m	20	2	
Heures	14 $\frac{1}{2}$	2 $\frac{1}{2}$	
Taux m/h	1,36	0,73	
Condition			

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ s/c : 55 pH : 10,5 PE / VP : 2.50

DENSITÉ kg/m<sup>3</sup> : 1090 VISC. PLASTIQUE mPa.s : 8 GEL Pa : 8 / 10

GRADIENT kPa/m : 10,69 POINT D'ÉCOUL. Pa : 20 POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 39 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 20 000

VOLUME CIRCULÉ m<sup>3</sup> : 168 TEMPS DE CIRCULATION min (fond-surf) : 28 TOTAL : 158

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	19	454	165
KCL	40	464	275
NaOH	1	73	19
SS-100	2	25	9
FLR-100 E			
BARITE	50	635	433

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 130

DÉBIT l/min 1066

PRESSION kPa 5200

POUVOIR HYDR. /

COÛT JOUR \$ 18,138

COÛT CUMUL. \$ 427,224

### CHRONOLOGIE

FORAGE h 14

ALÉSAGE h  

VOYAGE h 5 $\frac{1}{2}$

RELEVES h  

CIRCULATION h 2 $\frac{1}{2}$

ENTRETIEN h "swivel" 2 $\frac{1}{4}$

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1109m. Changé le trépan, foré jusqu'à 1111m. Bris dans le "swivel" réparation de 2 $\frac{1}{2}$ hres.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-03 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 18  
 PROFONDEUR m : 1093  
 PROFONDEUR HIER m : 1075  
 AVANCEMENT m : 18  
 FORMATION : Potsdam  
 ACTIVITÉ COURANTE : Forage  
 COFFRAGE : 244mm à 153 m

Trépan No.	3C	4C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	J55	J77	
Série	62070	41000	
Gicleurs mm	9.59.58.7	9.59.58.7	
Poids daN	12000	12000	
RPM	60	60	
Sortie m	1089	---	
Entrée m	1049	1089	
Avancement m	40	4	
Heures	24½	3½	
Taux m/h	1,63	1,14	
Condition	5-3-03mm	forage	

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2¼</u>	<u>1093</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 70 pH : 11.5 PE/VP :    
 DENSITÉ kg/m<sup>3</sup> : 1085 VISC. PLASTIQUE mPa.s :   GEL Pa :    
 GRADIENT kPa/m : 1064 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> : trace  
 VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 19 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 168 TEMPS DE CIRCULATION min (fond-surf) : 30 TOTAL : 168

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>21</u>	<u>435</u>	<u>184</u>
KCL	<u>55</u>	<u>424</u>	<u>315</u>
NaOH	<u>2</u>	<u>72</u>	<u>20</u>
SS-100	<u>2</u>	<u>23</u>	<u>11</u>
FLR-100 E			
BARITE	<u>0</u>	<u>585</u>	<u>483</u>

### DONNEES

#### HYDRAULIQUES

POMPE No. 2-D700 ALÉSAGE h 1½  
 DIM. mm 140x406 VOYAGE h 7½  
 CPM 52 RELEVES h ½  
 DÉBIT l/min 998 CIRCULATION h    
 PRESSION kPa 6000 ENTRETIEN h cut line 1hr  
 POUVOIR HYDR.   /   REPÊCHAGE h    
 COÛT JOUR \$ 17,766 DIAGRAPHIES h    
 COÛT CUMUL. \$ 409,086 TESTS h  

### CHRONOLOGIE

FORAGE h 13½  
 ALÉSAGE h 1½  
 VOYAGE h 7½  
 RELEVES h ½  
 CIRCULATION h    
 ENTRETIEN h cut line 1hr  
 REPÊCHAGE h    
 DIAGRAPHIES h    
 TESTS h    
 COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 1089m. Sorti du trou, changé le trépan et remplacé le SR3 par un NBS  
Christensen neuf. Entré, alésé 15m, foré jusqu'à 1093m.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-02 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 37

PROFONDEUR m : 1075

PROFONDEUR HIER m : 1049

AVANCEMENT m : 26

FORMATION : grès

ACTIVITÉ COURANTE : forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
2 7/8	1066

Trépan No.	3C		
Grandeur mm	216		
Marque	H.W.		
Modèle	J55		
Série	62070		
Gicleurs mm	9,59,58,7		
Poids daN	12000		
RPM	60		
Sortie m	-----		
Entrée m	1049		
Avancement m	26		
Heures	14½		
Taux m/h	1,79		
Condition	forage		

### PROPRIÉTÉS DE LA BOUE

TYPE : KCl Gel SS-100 VISCOSITÉ s/c : 55 pH : 12.0 PE/VP : 3.00

DENSITÉ kg/m<sup>3</sup> : 1105 VISC. PLASTIQUE mPa.s : 7 GEL Pa : 8 / 8

GRADIENT kPa/m : 10,84 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 17 000

VOLUME CIRCULÉ m<sup>3</sup> : 167 TEMPS DE CIRCULATION min (fond-surf.) : 29 TOTAL : 167

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	56	414	65
KCL	30	369	370
NaOH	7	70	22
SS-100	0	21	3
FLR-100 E			
BARITE	275	585	0

### DONNEES

#### HYDRAULIQUES

POMPE No. 2-D700

DIM. mm 140x406

CPM 52

DÉBIT l/min 998

PRESSION kPa 5200

POUVOIR HYDR. /

COÛT JOUR \$ 20,381.

COÛT CUMUL. \$ 391,320

### CHRONOLOGIE

FORAGE h 14½

ALÉSAGE h ½

VOYAGE h 5

RELEVES h ½

CIRCULATION h 3½

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Augmenté la densité de la boue à 1100 kg/m<sup>3</sup> pour le voyage. Changé le trépan (166mm under-gage) et les couteaux du SR3. Entré à 1020m. Circulé et jeté la boue contaminée par le gaz et de l'eau. Mélangé de la barite et augmenté la densité à 1080 kg/m<sup>3</sup>. Le degazer est toujours en opération.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1981-01-01, FOREUSE No 6

JOUR DE FORAGE : 16

PROFONDEUR m : 1049

PROFONDEUR HIER m : 996

AVANCEMENT m : 53

FORMATION : Grès

ACTIVITÉ COURANTE : mélange de la barite

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2°</u>	<u>1009</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel KCl SS-100 VISCOSITÉ s/c : 65 pH : 11.0 PE/VP :  

DENSITÉ kg/m<sup>3</sup> : 1080 VISC. PLASTIQUE mPa.s :   GEL Pa :  

GRADIENT kPa/m : 10.60 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 19 000

VOLUME CIRCULÉ m<sup>3</sup> : 166 TEMPS DE CIRCULATION min (fond-surf.) : 28 TOTAL : 167

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>58</u>	<u>358</u>	<u>121</u>
KCL	<u>30</u>	<u>339</u>	<u>260</u>
NaOH	<u>6</u>	<u>63</u>	<u>29</u>
SS-100	<u>3</u>	<u>21</u>	<u>3</u>
FLR-100 E			
BARITE	<u>195</u>	<u>310</u>	<u>150</u>

### ACTIVITÉS PRÉCÉDENTES

Foré jusqu'à 1042m. Arrivée de gaz dans la boue. Circulé, foré, gaz et eau dans la boue. Augmenté la densité à 1080 kg/m<sup>3</sup> et démarré le "degazeur". Foré jusqu'à 1049m.

Y. Tessier

Trépan No.	<u>2C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>J33</u>		
Série	<u>63835</u>		
Gicleurs mm	<u>9.5-9.5-8</u>	<u>7</u>	
Poids daN	<u>12000</u>		
RPM	<u>60</u>		
Sortie m	<u>1049</u>		
Entrée m	<u>407</u>		
Avancement m	<u>642</u>		
Heures	<u>175</u>		
Taux m/h	<u>3.67</u>		
Condition	<u>7-6-016mm</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 2D700

DIM. mm 140x406

CPM 52

DÉBIT l/mi<sup>2</sup> 998

PRESSION kPa 6000

POUVOIR HYDR. /

COÛT JOUR \$ 16,112.

COÛT CUMUL. \$ 370,939

### CHRONOLOGIE

FORAGE h 21½

ALÉSAGE h  

VOYAGE h  

RELEVÉS h 1

CIRCULATION h 1½

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h  

FESTS h  

COFFRAGE, CIMENT h

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-31 FOREUSE No. 6

JOUR DE FORAGE : 15

Y. Tessier

PROFONDEUR m : 996

PROFONDEUR HIER m : 932

AVANCEMENT m : 34

FORMATION : Dolomie

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2 7/8</u>	<u>953</u>
<u>2 1/2</u>	<u>981</u>

Trépan No.	<u>2C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>J33</u>		
Série	<u>63835</u>		
Gicleurs mm	<u>2x9,51x8,7</u>		
Poids daN	<u>12000</u>		
RPM	<u>60</u>		
Sortie m	<u>----</u>		
Entrée m	<u>407</u>		
Avancement m	<u>589</u>		
Heures	<u>132 1/2</u>		
Taux m/h	<u>3,84</u>		
Condition	<u>Forage</u>		

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ s/c : 65 pH : 11.0 PE/VP :  

DENSITÉ kg/m<sup>3</sup> : 1060 VISC. PLASTIQUE mPa.s :   GEL Pa :  

GRADIENT kPa/m : 10,40 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> : trace

VITESSE ANNULAIRE m/min : 37 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 19 000

VOLUME CIRCULÉ m<sup>3</sup> : 164 TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL : 165

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>31</u>	<u>300</u>	
KCL	<u>30</u>	<u>309</u>	
NaOH	<u>8</u>	<u>57</u>	
SS-100	<u>3</u>	<u>18</u>	
FLR-100 E			
BARITE	<u>0</u>	<u>115</u>	

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80 ALÉSAGE h  

DIM. mm 127x216 VOYAGE h  

CPM 130 RELEVÉS h 1

DÉBIT l/min   CIRCULATION h 3/4

PRESSION kPa 6200 ENTRETIEN h  

POUVOIR HYDR.   REPÊCHAGE h  

COÛT JOUR \$ 13,959. DIAGRAPHIES h  

COÛT CUMUL. \$ 354,827 TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 996m à 986m circulé pour prendre un échantillon.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-30 FOREUSE No. 6

J. Boudreault

JOUR DE FORAGE : 14

PROFONDEUR m : 932

PROFONDEUR HIER m : 872

AVANCEMENT m : 60

FORMATION : Dolomie

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>3½</u>	<u>887</u>
<u>3</u>	<u>915</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ s/c : 50 pH : 160 PE / VP : 4  
 DENSITÉ kg/m<sup>3</sup> : 1080 VISC. PLASTIQUE mPa.s : 6 GEL Pa : 19 /  
 GRADIENT kPa/m : 10,6 POINT D'ÉCOUL. Pa : 24 POLYMER kg/m<sup>3</sup> : trace  
 VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> : n/c K+ ppm : 18 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 177 TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>73</u>	<u>270</u>	<u>250</u>
KCL	<u>40</u>	<u>279</u>	<u>370</u>
NaOH	<u>13</u>	<u>49</u>	<u>63</u>
SS-100	<u>2</u>	<u>15</u>	<u>11</u>
FLR-100 E			
BARITE	<u>115</u>	<u>---</u>	<u>---</u>

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80  
 DIM. mm 127x216  
 CPM 120  
 DÉBIT l/min 960  
 PRESSION kPa 5000  
 POUVOIR HYDR. /  
 COÛT JOUR \$ 16,007.  
 COÛT CUMUL. \$ 340,868

### CHRONOLOGIE

FORAGE h 23  
 ALÉSAGE h    
 VOYAGE h    
 RELEVES h ½  
 CIRCULATION h    
 ENTRETIEN h    
 REPÊCHAGE h    
 DIAGRAPHIES h    
 TESTS h ½  
 COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Fermé les pipe rams pour vérifier la pression de coffrage. Aucune lecture. Mélangé 115 sacs de barite. Puits arrête de s'écouler. Foré jusqu'à 932 mètres.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-29 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 13

PROFONDEUR m : 872

PROFONDEUR HIER m : 800

AVANCEMENT m : 72

FORMATION : calcaire

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>3½</u>	<u>803</u>
<u>3½</u>	<u>831</u>
<u>3½</u>	<u>359</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ slc : 40/55 pH : 10.0 PE/VP : 2.25

DENSITÉ  $kg/m^3$  : 1050 VISC. PLASTIQUE  $mPa \cdot s$  : 4 GEL Pa : 7 / 11

GRADIENT  $kPa/m$  : 10,3 POINT D'ÉCOUL. Pa : 9 POLYMER  $kg/m^3$  : trace

VITESSE ANNULAIRE  $m/min$  : 36 PERTE D'EAU  $cm^3$  : n/c K<sup>+</sup> ppm : 12 000

VOLUME CIRCULÉ  $m^3$  : 175 TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>38</u>	<u>197</u>	<u>119</u>
KCL	<u>24</u>	<u>239</u>	<u>360</u>
NaOH	<u>8</u>	<u>36</u>	<u>76</u>
SS-100	<u>2</u>	<u>13</u>	<u>13</u>
FLR-100 E			
BARITE			

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT  $l/min$  960

PRESSION  $kPa$  9000

POUVOIR HYDR.   /  

COÛT JOUR \$ 14,180.

COÛT CUMUL. \$ 324,861.

### 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 872 mètres. Arrivée d'eau de formation. Lorsqu'on arrête les pompes, le puits débite environ 5 barils/heure. Baisse de la viscosité de 55 à 40 lors du forage de la zone à eau.

Pompe à 62 CPM = 1000 kPa

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-28 FOREUSE No. 6

J. Boudreault

JOUR DE FORAGE : 12

PROFONDEUR m : 800

PROFONDEUR HIER m : 712

AVANCEMENT m : 88

FORMATION : Calcaire

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>3 1/8</u>	<u>719</u>
<u>4 1/8</u>	<u>747</u>
<u>4</u>	<u>775</u>

Trépan No.	<u>2C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>J33</u>		
Série	<u>63835</u>		
Gicleurs mm	<u>2x97 1x8,7</u>		
Poids daN	<u>4/5000</u>		
RPM	<u>80</u>		
Sortie m	<u>----</u>		
Entrée m	<u>407</u>		
Avancement m	<u>393</u>		
Heures	<u>85 1/2</u>		
Taux m/h	<u>4,60</u>		
Condition	<u>Forage</u>		

### PROPRIÉTÉS DE LA BOUE

TYPE : SS 100 Gel Kcl VISCOSITÉ slc : 45 pH : 11.5 PE/VP : 4.3

DENSITÉ kg/m<sup>3</sup> : 1070 VISC. PLASTIQUE mPa.s : 5 GEL Pa : 17/23

GRADIENT kPa/m : 10,5 POINT D'ÉCOUL. Pa : 21.5 POLYMER kg/m<sup>3</sup> : 1,00

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> : n/c K+ ppm : 19 000

VOLUME CIRCULÉ m<sup>3</sup> : 172 TEMPS DE CIRCULATION min (fond-surf.) : 22 TOTAL :   

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>23</u>	<u>159</u>	<u>157</u>
KCL	<u>30</u>	<u>215</u>	<u>375</u>
NaOH	<u>3</u>	<u>28</u>	<u>84</u>
SS-100	<u>1</u>	<u>11</u>	<u>15</u>
FLR-100 E			
BARITE			

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT ℓ/min<sup>960</sup>

PRESSION kPa 4800

POUVOIR HYDR.    /   

COÛT JOUR \$ 13,872.

COÛT CUMUL. \$ 310,681

### 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 800 mètres.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-27 FOREUSE No. 6

JOUR DE FORAGE : 11

J. Boudreault

PROFONDEUR m : 712

PROFONDEUR HIER m : 609

AVANCEMENT m : 103

FORMATION : Lorraine

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>3½</u>	<u>634</u>
<u>3½</u>	<u>662</u>
<u>3½</u>	<u>690</u>

Trépan No.	<u>2C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>J33</u>		
Série	<u>63835</u>		
Gicleurs mm	<u>2x9,71x8,7</u>		
Poids daN	<u>4000</u>		
RPM	<u>80</u>		
Sortie m	<u>---</u>		
Entrée m	<u>407</u>		
Avancement m	<u>305</u>		
Heures	<u>63</u>		
Taux m/h			
Condition	<u>Forage</u>		

### PROPRIÉTÉS DE LA BOUE

TYPE : SS100 Gel KCl VISCOSITÉ s/c : 45 pH : 11.0 PE/VP : 3,2  
 DENSITÉ kg/m<sup>3</sup> : 1060 VISC. PLASTIQUE mPa.s : 6 GEL Pa : /  
 GRADIENT kPa/m : 10,4 POINT D'ÉCOUL. Pa : 19 POLYMER kg/m<sup>3</sup> : 1,40  
 VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 17 000  
 VOLUME CIRCULÉ m<sup>3</sup> : 168 TEMPS DE CIRCULATION min (fond-surf.) : 20 TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>20</u>	<u>136</u>	<u>180</u>
KCL	<u>36</u>	<u>185</u>	<u>405</u>
NaOH	<u>6</u>	<u>25</u>	<u>87</u>
SS-100	<u>3</u>	<u>10</u>	<u>16</u>
FLR-100 E			
BARITE			
Scacenger	<u>1</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80 ALÉSAGE h    
 DIM. mm 127x216 VOYAGE h    
 CPM 120 RELEVES h ½  
 DÉBIT l/min 960 CIRCULATION h    
 PRESSION kPa 4000 ENTRETIEN h    
 POUVOIR HYDR. / REPÊCHAGE h    
 COÛT JOUR \$ 14,217. DIAGRAPHIES h    
 COÛT CUMUL. \$ 296,809 TESTS h  

### 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 712 mètres

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-26 FOREUSE No. 6

J. Boudreault

JOUR DE FORAGE : 10

PROFONDEUR m : 609

PROFONDEUR HIER m : 495

AVANCEMENT m : 114

FORMATION : Lorraine

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2½</u>	<u>521</u>
<u>3</u>	<u>549</u>
<u>3 1/8</u>	<u>577</u>
<u>3 ¼</u>	<u>606</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : SS100 Gel KCl VISCOSITÉ s/c : 50 pH : 11.0 PE/VP : 3

DENSITÉ kg/m<sup>3</sup> : 1060 VISC. PLASTIQUE mPa·s : 7 GEL Pa : 19 / 27

GRADIENT kPa/m : 10.4 POINT D'ÉCOUL. Pa : 21 POLYMER kg/m<sup>3</sup> : 0.85

VITESSE ANNULAIRE m/min : 35 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 15 000

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf) : 17 TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>36</u>	<u>116</u>	<u>200</u>
KCL	<u>30</u>	<u>149</u>	<u>441</u>
NaOH	<u>4</u>	<u>19</u>	<u>93</u>
SS-100	<u>2</u>	<u>7</u>	<u>19</u>
FLR-100 E			
BARITE			

### ACTIVITÉS PRÉCÉDENTES

Trépan No.	<u>2C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>J33</u>		
Série	<u>63835</u>		
Gicleurs mm	<u>2x9,51x8,7</u>		
Poids daN	<u>4000</u>		
RPM	<u>80</u>		
Sortie m			
Entrée m	<u>407</u>		
Avancement m	<u>202</u>		
Heures	<u>39½</u>		
Taux m/h	<u>5.08</u>		
Condition	<u>Forage</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 127x216

CPM 120

DÉBIT l/min 960

PRESSION kPa 4000

POUVOIR HYDR. /

COÛT JOUR \$ 14,122.

COÛT CUMUL. \$ 282,592.

### CHRONOLOGIE

FORAGE h 23

ALÉSAGE h \_\_\_\_\_

VOYAGE h \_\_\_\_\_

RELEVÉS h 1

CIRCULATION h \_\_\_\_\_

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-25 FOREUSE No. 6

J. Boudreault

JOUR DE FORAGE : 9

PROFONDEUR m : 495

PROFONDEUR HIER m : 398

AVANCEMENT m : 97

FORMATION : Lorraine

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>1 7/8</u>	<u>417</u>
<u>2</u>	<u>436</u>
<u>2 1/8</u>	<u>465</u>
<u>2 1/8</u>	<u>493</u>

Trépan No.	1C	2C	
Grandeur mm	216	216	
Marque	H.W.	H.W.	
Modèle	XDV	J33	
Série	24021	63835	
Gicleurs mm	3x9	2x9,5 1x8,7	
Poids daN	4000	4000	
RPM	70	80	
Sortie m	407	---	
Entrée m	153	407	
Avancement m	254	88	
Heures	48 $\frac{1}{2}$	16 $\frac{1}{2}$	
Taux m/h	5,26	5,25	
Condition	4-3-1	forage	

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ s/c : 50 à 55 pH : 11.0 PE / VP : 3  
 DENSITÉ kg/m<sup>3</sup> : 1060 VISC. PLASTIQUE mPa.s : 6 GEL Pa : 16 / 19  
 GRADIENT kPa/m : 10,4 POINT D'ÉCOUL. Pa : 18 POLYMER kg/m<sup>3</sup> : 1,14  
 VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> : n/c K<sup>+</sup> ppm : 17 000  
 VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : 14 TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd'hui	Cumul.	En dépôt
GEL	<u>20</u>	<u>80</u>	<u>235</u>
KCL	<u>25</u>	<u>119</u>	<u>471</u>
NaOH	<u>5</u>	<u>15</u>	<u>97</u>
SS-100	<u>2</u>	<u>5</u>	<u>17</u>
FLR-100 E			
BARITE			
Scavenger	<u>1</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80  
 DIM. mm 127x216  
 CPM 120  
 DÉBIT l/min 960  
 PRESSION kPa 4000  
 POUVOIR HYDR. /  
 COÛT JOUR \$ 17,277.  
 COÛT CUMUL. \$ 268,470.

### CHRONOLOGIE

Câble :  $\frac{1}{2}$   
 FORAGE h 18 $\frac{1}{2}$   
 ALÉSAGE h \_\_\_\_\_  
 VOYAGE h 3 $\frac{1}{2}$   
 RELEVÉS h 1 $\frac{1}{2}$   
 CIRCULATION h \_\_\_\_\_  
 ENTRETIEN h \_\_\_\_\_  
 REPÊCHAGE h \_\_\_\_\_  
 DIAGRAPHIES h \_\_\_\_\_  
 TESTS h \_\_\_\_\_  
 COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 407m. Sorti les tiges, changé le trépan, réentré dans le trou et foré jusqu'à 498 mètres.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO 1

DATE : 1980-12-24 FOREUSE No. 6

Jean Boudreault

JOUR DE FORAGE : 8

PROFONDEUR m : 398

PROFONDEUR HIER m : 266

AVANCEMENT m : 132

FORMATION : Lorraine

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244 mm à 153 m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>1</u>	<u>285</u>
<u>1</u>	<u>312</u>
<u>1-1/2</u>	<u>341</u>
<u>1-1/2</u>	<u>369</u>
<u>1-7/8</u>	<u>398</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100, Gel, KCl VISCOSITÉ s/l : 50 pH : 11 PE/VP : 3.8  
 DENSITÉ kg/m<sup>3</sup> : 2050 VISC. PLASTIQUE mPa.s : 5 GEL Pa : 14 / 17  
 GRADIENT kPa/m : 10,3 POINT D'ÉCOUL. Pa : 19.2 POLYMER kg/m<sup>3</sup> : 0.60  
 VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : 17 000  
 VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf) : 11 TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>20</u>	<u>60</u>	<u>255</u>
KCL	<u>20</u>	<u>94</u>	<u>256</u>
NaOH	<u>2</u>	<u>10</u>	<u>102</u>
SS-100	<u>3</u>	<u>3</u>	<u>19</u>
FLR-100 E			
BARITE			

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 398 m.

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Trépan No.	<u>1C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>HW</u>		
Modèle	<u>XDV</u>		
Série	<u>24041</u>		
Gicleurs mm	<u>3 x 9</u>		
Poids daN	<u>3000</u>		
RPM	<u>70</u>		
Sortie m	<u>---</u>		
Entrée m	<u>153</u>		
Avancement m	<u>245</u>		
Heures	<u>46-1/4</u>		
Taux m/h	<u>5.30</u>		
Condition	<u>Forage</u>		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1  
 DIM. mm 127 x 216  
 CPM 120  
 DÉBIT l/min 960  
 PRESSION kPa 3500  
 POUVOIR HYDR. /  
 COÛT JOUR \$ 14067  
 COÛT CUMUL. \$ 251193

### CHRONOLOGIE

FORAGE h 23  
 ALÈSAGE h \_\_\_\_\_  
 VOYAGE h \_\_\_\_\_  
 RELEVÉS h 1  
 CIRCULATION h \_\_\_\_\_  
 ENTRETIEN h \_\_\_\_\_  
 REPÊCHAGE h \_\_\_\_\_  
 DIAGRAPHIES h \_\_\_\_\_  
 TESTS h \_\_\_\_\_  
 COFFRAGE, CIMENT h \_\_\_\_\_

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR No. 1

DATE : 1980-12-23 FOREUSE No. 6

JOUR DE FORAGE : 7

Jean Boudreault

PROFONDEUR m : 266

PROFONDEUR HIER m : 174

AVANCEMENT m : 92

FORMATION : shale

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>2</u>	<u>190</u>
<u>2</u>	<u>210</u>
<u>7/8</u>	<u>228</u>

Trépan No.	<u>1C</u>		
Grandeur mm	<u>216</u>		
Marque	<u>H.W.</u>		
Modèle	<u>XDV</u>		
Série	<u>24041</u>		
Gicleurs mm	<u>3x9</u>		
Poids daN	<u>4000</u>		
RPM	<u>70</u>		
Sortie m			
Entrée m	<u>153</u>		
Avancement m	<u>113</u>		
Heures	<u>23</u>		
Taux m/h	<u>4,91</u>		
Condition	<u>forage</u>		

### PROPRIÉTÉS DE LA BOUE

TYPE : SS-100 Gel KCl VISCOSITÉ slc : 48 pH : 11.5 PE/VP :  

DENSITÉ kg/m<sup>3</sup> : 1030 VISC. PLASTIQUE mPa.s :   GEL Pa :  

GRADIENT kPa/m : 10,1 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> : 5

VITESSE ANNULAIRE m/min : 36 PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm : 19 000

VOLUME CIRCULÉ m<sup>3</sup> :   TEMPS DE CIRCULATION min (fond-surf.) :   TOTAL :  

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>40</u>	<u>40</u>	<u>275</u>
KCL	<u>74</u>	<u>74</u>	<u>276</u>
NaOH	<u>8</u>	<u>8</u>	<u>104</u>
SS-100	<u>---</u>	<u>----</u>	<u>22</u>
FLR-100 E			
BARITE			

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 120

DÉBIT ℓ/min 980

PRESSION kPa 4000

POUVOIR HYDR. /

COÛT JOUR \$ 14,125.

COÛT CUMUL. \$  

### CHRONOLOGIE

FORAGE h 16½

ALÉSAGE h 1½

VOYAGE h 4½

RELEVES h 1½

CIRCULATION h  

ENTRETIEN h  

REPÊCHAGE h  

DIAGRAPHIES h  

TESTS h  

COFFRAGE, CIMENT h  

### ACTIVITES PRÉCÉDENTES

Sorti les tiges, mis en place la stabilisation, SR3, masse-tige carrée, 2 stabilisateurs

Entré dans le trou, conditionner la boue et forer jusqu'à 266m.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-22 FOREUSE No. 6

JOUR DE FORAGE : 6

Yvan Tessier

PROFONDEUR m : 174

PROFONDEUR HIER m : 153

AVANCEMENT m : 21

FORMATION : Shale

ACTIVITÉ COURANTE : Forage

COFFRAGE : 244.48mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>1/2</u>	<u>174</u>

Trépan No.	1C		
Grandeur mm	216		
Marque	H.W.		
Modèle	XDV		
Série	24041		
Gicleurs mm	3x9		
Poids daN	4000		
RPM	70		
Sortie m			
Entrée m	153		
Avancement m	21		
Heures	6 1/2		
Taux m/h	3,23		
Condition	Forage		

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel - Eau VISCOSITÉ s/c : 80 pH : 11.5 PE / VP :    
 DENSITÉ kg/m<sup>3</sup> : 1020 VISC. PLASTIQUE mPa.s :   GEL Pa :    
 GRADIENT kPa/m : 10.00 POINT D'ÉCOUL. Pa :   POLYMER kg/m<sup>3</sup> :    
 VITESSE ANNULAIRE m/min :   PERTE D'EAU cm<sup>3</sup> :   K<sup>+</sup> ppm :    
 VOLUME CIRCULÉ m<sup>3</sup> : 130 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. 1-8P80  
 DIM. mm 150x216  
 CPM 130  
 DÉBIT l/min    
 PRESSION kPa 2200  
 POUVOIR HYDR.    
 COÛT JOUR \$ 15,551.  
 COÛT CUMUL. \$ 223,001

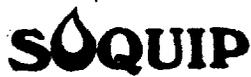
### CHRONOLOGIE

FORAGE x le ciment : 2 1/2 h  
 Forage : 6 1/2 h  
 ALÉSAGE h    
 VOYAGE h    
 RELEVÉS h    
 CIRCULATION h 1/4  
 ENTRETIEN h    
 REPÊCHAGE h    
 DIAGRAPHIES h    
 TESTS h  

### ACTIVITES PRÉCÉDENTES

Installé le nouveau "Swaco et manifold shack" et pressurisé avec les  
 "blind rams" à 9000kPa. Entré dans le coffrage et pressurisé à 9000kPa le Hydrill pendant  
 1/2 heure et 1/2 heure les "pipe rams". Foré le ciment, déplacé l'eau par de la boue et foré  
 jusqu'à 174m.

COFFRAGE, CIMENT h    
 BOP: 3 1/2 hres



**RAPPORT JOURNALIER DE FORAGE**

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-21 FOREUSE No. 6

Y. Tessier

JOUR DE FORAGE : 5

PROFONDEUR m : 153

PROFONDEUR HIER m : 153

AVANCEMENT m : 0

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : séchage du ciment

COFFRAGE : 244.48mm à 153m

**RELEVÉS DE DÉVIATION**

DEGRÉ PROFONDEUR m

DEGRÉ	PROFONDEUR m
_____	_____
_____	_____
_____	_____
_____	_____

**PROPRIÉTÉS DE LA BOUE**

TYPE : \_\_\_\_\_ VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE/VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_/\_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ 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**

**CHRONOLOGIE**

POMPE No. \_\_\_\_\_ ALÉSAGE h \_\_\_\_\_

DIM. mm \_\_\_\_\_ VOYAGE h \_\_\_\_\_

CPM \_\_\_\_\_ RELEVES h \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_ CIRCULATION h \_\_\_\_\_

PRESSION kPa \_\_\_\_\_ ENTRETIEN h \_\_\_\_\_

POUVOIR HYDR. \_\_\_\_\_/\_\_\_\_\_ REPÊCHAGE h \_\_\_\_\_

COÛT JOUR \$ 13,782. DIAGRAPHIES h \_\_\_\_\_

COÛT CUMUL. \$ 207460 TESTS h \_\_\_\_\_

**ACTIVITES PRÉCÉDENTES**

COFFRAGE, CIMENT h \_\_\_\_\_

Coupé le coffrage, installé le casing head et les valves anti-éruption tel que spécifié dans le rapport d'implantation.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-20 FOREUSE No. 6

JOUR DE FORAGE : 4

Yvan Tessier

PROFONDEUR m : 153

PROFONDEUR HIER m : 153

AVANCEMENT m : 0

FORMATION : Shale

ACTIVITÉ COURANTE : séchage du ciment

COFFRAGE : 244.48mm à 153m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
	<u>244.48 m</u>

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

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ s/c : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg / m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ 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 \$ 22,300

COÛT CUMUL. \$ 19366.8

### CHRONOLOGIE

FORAGE h \_\_\_\_\_

ALÉSAGE h \_\_\_\_\_

VOYAGE h 1/2

RELEVÉS h \_\_\_\_\_

CIRCULATION h 1/2

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

COFFRAGE, CIMENT h 23

Sorti du trou, entré 153m de coffrage K-55, 244.48mm 8RD, 59,5kg/m avec un "float collar" à 139m et des centreurs à 152,125 et 62m. Le "guide shoe" est un collet 8RD vissé et soudé. Circulé 30 minutes, cimenté avec 13 tonnes de ciment classe "G" avec 2% de CaCl<sub>2</sub> pour un volume de 8.23m<sup>3</sup> de lait de ciment et une densité moyenne de 1900kg/m<sup>3</sup>. Le ciment est déplacé avec 5.6m<sup>3</sup> d'eau et le bouchon de flottation tient. Séchage du ciment.

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR No. 1

DATE : 1980-12-19 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 3

PROFONDEUR m : 153.40

PROFONDEUR HIER m : 65

AVANCEMENT m : 88

FORMATION : shale

ACTIVITÉ COURANTE : voyage

COFFRAGE : 340mm à 27m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
<u>1/4</u>	<u>84</u>
<u>1/8</u>	<u>102</u>
<u>1/8</u>	<u>122</u>
<u>1/4</u>	<u>151</u>

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel - eau VISCOSITÉ s/c : 100 pH : 11.5 PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg / m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : 130 PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	<u>75</u>	<u>295</u>	<u>315</u>
KCL			<u>350</u>
NaOH	<u>2</u>	<u>6</u>	<u>112</u>
SS-100			<u>22</u>
FLR-100 E			
BARITE rig oil	<u>1</u>		

Trépan No.	2B		
Grandeur mm	311		
Marque	H.W.		
Modèle	XDV		
Série			
Gicleurs mm	3x14		
Poids daN	5000		
RPM	90		
Sortie m	153		
Entrée m	38		
Avancement m	115		
Heures	19		
Taux m/h	6.05		
Condition	3-2-i		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 130

DÉBIT l/min \_\_\_\_\_

PRESSION kPa 3000

POUVOIR HYDR. /

COÛT JOUR \$ 14,247.

COÛT CUMUL. \$ 71,369.

### CHRONOLOGIE

FORAGE h 15

ALÉSAGE h \_\_\_\_\_

VOYAGE h 5

RELEVES h 1

CIRCULATION h 3

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Foré jusqu'à 153m, circulé, démonté les masses-tiges 230mm, installé les masses-tiges 171mm, descendre, circulé, sorti les tiges pour entrer le coffrage (Halliburton arrivé au site à 7h30).

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-18 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 2

PROFONDEUR m : 65

PROFONDEUR HIER m : 28

AVANCEMENT m : 37

FORMATION : Shale

ACTIVITÉ COURANTE : Forage

COFFRAGE : 340mm à 27m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1/8	44
1/8	64

Trépan No.	RR1B	2B	
Grandeur mm	311	311	
Marque	H.W.	H.W.	
Modèle	XDV	XDV	
Série	41168		
Gicleurs mm	3x14	3x14	
Poids daN	3000	2/4000	
RPM	110	70	
Sortie m	38	-----	
Entrée m	0	38	
Avancement m	38	27	
Heures	11 $\frac{1}{2}$	4	
Taux m/h	3,23	6,75	
Condition	3-2-i	forage	

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel - Eau VISCOSITÉ *slc* : 120 pH : 11.5 PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_/\_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : 130 TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL	73	220	390
KCL			350
NaOH	2	4	114
SS-100			22
FLR-100 E			
BARITE			
oil rig	1 baril		

### DONNEES

#### HYDRAULIQUES

POMPE No. 1-8P80

DIM. mm 150x216

CPM 130

DÉBIT  $\ell$ /min \_\_\_\_\_

PRESSION kPa 2200

POUVOIR HYDR. \_\_\_\_\_/\_\_\_\_\_

COÛT JOUR \$ 15,481

COÛT CUMUL. \$ 157,121

### CHRONOLOGIE

FORAGE h 10

ALÉSAGE h 1

VOYAGE h 2

RELEVES h  $\frac{1}{2}$

CIRCULATION h  $\frac{1}{4}$

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

WOC. Terminé d'installer Hydrill et flow nipple. Foré le ciment (reste 12m dans le coffrage). Déplacé l'eau par de la boue, foré jusqu'à 38m. Sorti du trou, installé un nouveau trépan, les stabilisateurs et la masse-tige carrée, foré jusqu'à 65m.

COFFRAGE, CIMENT h 10

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANCOUR NO. 1

DATE : 1980-12-17 FOREUSE No. 6

Yvan Tessier

JOUR DE FORAGE : 1

PROFONDEUR m : 28

PROFONDEUR HIER m : 0

AVANCEMENT m : 28

FORMATION : shale

ACTIVITÉ COURANTE : Séchage du ciment

COFFRAGE : 340mm à 27m

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m

### PROPRIÉTÉS DE LA BOUE

TYPE : Gel eau VISCOSITÉ *slc* : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg / m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ TEMPS DE CIRCULATION min (fond-surf.) : \_\_\_\_\_ TOTAL : \_\_\_\_\_

### MATERIEL UTILISÉ

Description	Aujourd' hui	Cumul.	En dépôt
GEL			273
KCL			357
NaOH			114
SS-100			12
FLR-100 E			
BARITE			

Trépan No.	H01		
Grandeur mm	445		
Marque	SEC		
Modèle	à couteaux		
Série			
Gicleurs mm			
Poids daN			
RPM			
Sortie m	28		
Entrée m	0		
Avancement m	28		
Heures	4		
Taux m/h	7.00		
Condition	2-1-i		

### ACTIVITES PRÉCÉDENTES

Terminé d'alésé à 28m. Sorti le hole opener, entré avec un trépan et circulé en attendant Halliburton (mauvaise température). Entré le coffrage conducteur de 340mm jusqu'à 27m, circulé avec 5.8 tonnes de ciment calsse "G" et 2% de CaCl<sub>2</sub>. Pas de retour de ciment à la surface mais retour de l'eau de lessivage dans le "Cellar". Laissez sécher le ciment.

*slurry density?*

### DONNEES

#### HYDRAULIQUES

POMPE No. \_\_\_\_\_

DIM. mm \_\_\_\_\_

CPM \_\_\_\_\_

DÉBIT l/min \_\_\_\_\_

PRESSION kPa \_\_\_\_\_

POUVOIR HYDR.    /   

COÛT JOUR \$ 24,640.

COÛT CUMUL. \$ 141,640.

### CHRONOLOGIE

FORAGE h \_\_\_\_\_

ALÉSAGE h 1

VOYAGE h 2

RELEVES h \_\_\_\_\_

CIRCULATION h 9½

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h 13

# SOQUIP

## RAPPORT JOURNALIER DE FORAGE

PUITS : SOQUIP PETROFINA BECANOUR NO. 1

DATE : 1980-12-16 FOREUSE No. 6

JOUR DE FORAGE : 0

Yvan Tessier

PROFONDEUR m : 28

PROFONDEUR HIER m : 0

AVANCEMENT m : 28

FORMATION : \_\_\_\_\_

ACTIVITÉ COURANTE : Spud à 16h00hre  
1e 80-12-15

COFFRAGE : \_\_\_\_\_

### RELEVÉS DE DÉVIATION

DEGRÉ	PROFONDEUR m
1/8	28
_____	_____
_____	_____
_____	_____
_____	_____

### PROPRIÉTÉS DE LA BOUE

TYPE : \_\_\_\_\_ VISCOSITÉ *sl* : \_\_\_\_\_ pH : \_\_\_\_\_ PE / VP : \_\_\_\_\_

DENSITÉ kg/m<sup>3</sup> : \_\_\_\_\_ VISC. PLASTIQUE mPa.s : \_\_\_\_\_ GEL Pa : \_\_\_\_\_ / \_\_\_\_\_

GRADIENT kPa/m : \_\_\_\_\_ POINT D'ÉCOUL. Pa : \_\_\_\_\_ POLYMER kg/m<sup>3</sup> : \_\_\_\_\_

VITESSE ANNULAIRE m/min : \_\_\_\_\_ PERTE D'EAU cm<sup>3</sup> : \_\_\_\_\_ K<sup>+</sup> ppm : \_\_\_\_\_

VOLUME CIRCULÉ m<sup>3</sup> : \_\_\_\_\_ 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 \$ \_\_\_\_\_

COÛT CUMUL. \$ \_\_\_\_\_

### CHRONOLOGIE

FORAGE h \_\_\_\_\_

ALÉSAGE h \_\_\_\_\_

VOYAGE h \_\_\_\_\_

RELEVES h \_\_\_\_\_

CIRCULATION h \_\_\_\_\_

ENTRETIEN h \_\_\_\_\_

REPÊCHAGE h \_\_\_\_\_

DIAGRAPHIES h \_\_\_\_\_

TESTS h \_\_\_\_\_

COFFRAGE, CIMENT h \_\_\_\_\_

### ACTIVITES PRÉCÉDENTES

Foré 7 m, foré le mouse hole et le rat hole. Foré à 31mm jusqu'à 28m. Sorti du trou, entré et alésé à 445mm jusqu'à 26m

V-

APPENDICES

6) Résultats détaillés des essais aux tiges



TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

10 blow on preflow. No bubbles to surface.  
No blow on final flow.

GAS MEASUREMENTS:

Measured with:

\*\*\*\*\*

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS  
MEASUREMENTS

Liquid recovery:

For DST# 1 through DST# 1

\*\*\*\*\*

Amount (M) Of  
90.00 MUDDY SALT WATER.

Total recovery (M): 90.00

Reversed out: NO Salinity (g/M3): 82000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP

GENERAL DATA

\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1515 Hrs.

Opened tool at:

1930 Hrs.

MUD AND HOLE DATA

\*\*\*\*\*

Hole condition @ test time: GOOD

Conditioned prior to test: YES

Calibered hole size @ test depth (mm) 225.0

Mud type:	KCL	Mud weight (kg/M3):	1130.00
Viscosity (sec/l):	45.0	Water loss (cm3):	
Filter cake (mm):	1.5	Reservoir temperature (C):	
		Recorder temperature (C):	12.1

Pipe size (mm)	Type	Weight (kg/M)
114.3	EXTRA HOLE	24.06

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
170.0	H90		140.97

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 216.0

Total number of packers run: 2

Mailing Data

\*\*\*\*\*

Company: SOQUIP  
 Address: 3340 DELA PERADE  
 SAINT FOY P.O.  
 QUEBEC, CANADA  
 G1X 2N7

Reports sent to: MR. P. HOULE

Number of Reports: 5

WELL NAME: SOQUIP PETROFINA BECANDOUR #1  
 WELL LOCATION: 400 / 72,244 / 046,216 / 00  
 DST NUMBER: 001  
 RECORDER NUMBER: 018298  
 INTERVAL TESTED: 1335.00M TO 1370.00M  
 RECORDER DEPTH: 1336.00M  
 TOTAL FLOW TIME: 70. MIN

FINAL SHUT IN PRESSURE (LIQUID)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)
1.0	.0000	1251.0
2.0	36.0000	1939.0
4.0	18.5000	2900.0
6.0	12.6667	4295.0
8.0	9.7500	5578.0
10.0	8.0000	7189.0
12.0	6.8333	8206.0
14.0	6.0000	9031.0
16.0	5.3750	9636.0
18.0	4.8889	10174.0
20.0	4.5000	10602.0
25.0	3.8000	11500.0
30.0	3.3333	12078.0
35.0	3.0000	12515.0
40.0	2.7500	12816.0
45.0	2.5556	13085.0
50.0	2.4000	13311.0
55.0	2.2727	13463.0
60.0	2.1667	13605.0
65.0	2.0769	13731.0
70.0	2.0000	13841.0
75.0	1.9333	13944.0
80.0	1.8750	14013.0
85.0	1.8235	14091.0
90.0	1.7778	14160.0
95.0	1.7368	14229.0
100.0	1.7000	14281.0
105.0	1.6667	14332.0

CONTINUED ON NEXT PAGE

FINAL SHUT IN PRESSURE (LIQUID)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)
110.0	1.6364	14384.0 *
115.0	1.6087	14427.0 *
120.0	1.5833	14444.0 *

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 4213.22457 KPa/CYCLE

EXTRAPOLATED PRESSURE: 15289.0 KPa

HORNER PLOT

TEST DATE: 81 01 15

WELL NAME: SOQUIP PETROFINA BECANCOUR #1

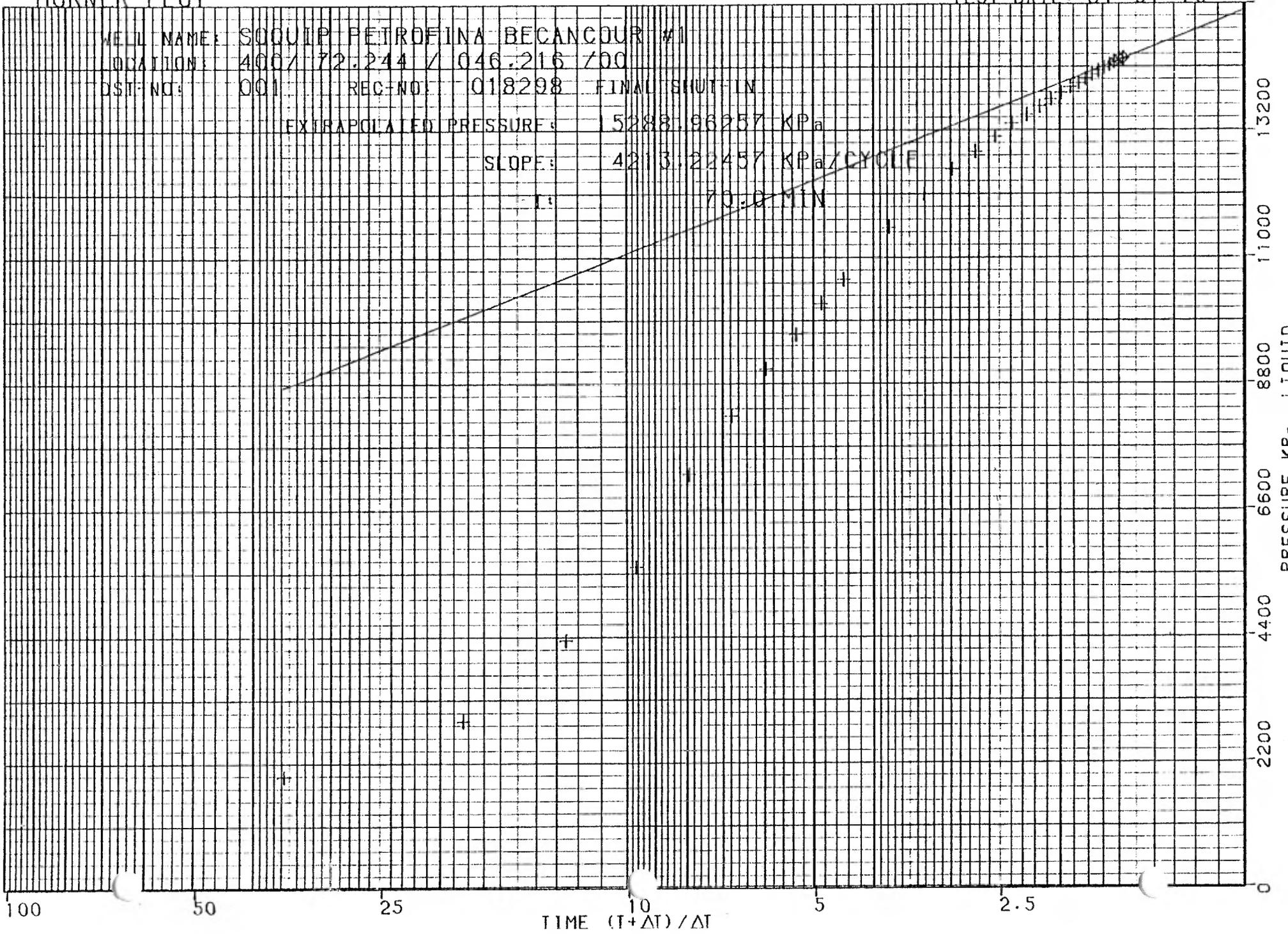
LOCATION: 4007 72.244 / 046.216 700

DST NO: 001 REC NO: 018298 FINAL SHUT-IN

EXTRAPOLATED PRESSURE: 15288.96257 KPa

SLOPE: 4213.22457 KPa/CYCLE

70.0 MIN



RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 001

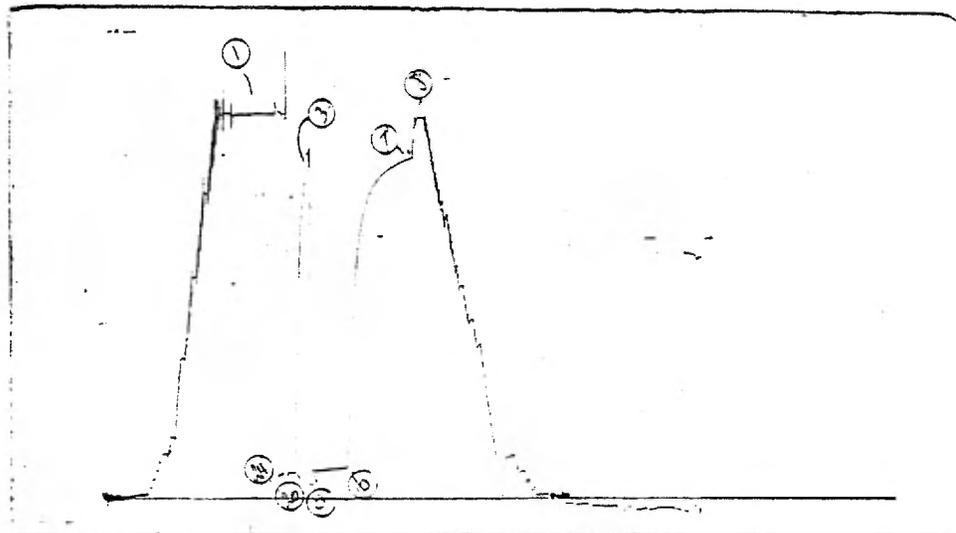
RECORDER NUMBER: 018296 TYPE: K-3  
 DEPTH : 1336.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		887.00
INITIAL FLOW	10.	1029.00
INITIAL SHUTIN	30.	14134.00
		1011.00
FINAL FLOW	60.	1251.00
FINAL SHUTIN	120.	14444.00

INITIAL HYDROSTATIC: 16340.0

FINAL HYDROSTATIC: 16340.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 001

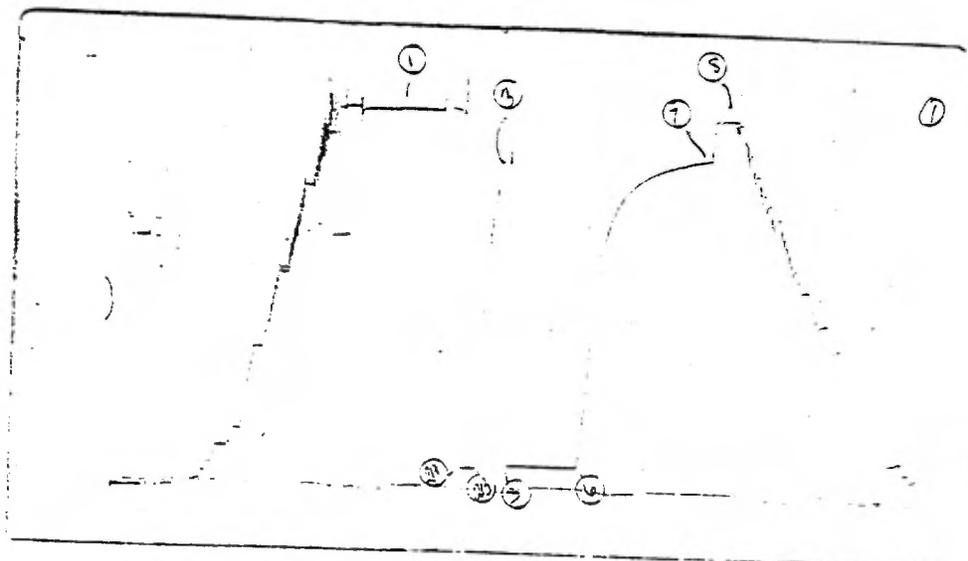
RECORDER NUMBER: 008884 TYPE: K-3  
 DEPTH : 1336.00 m- INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1019.00
INITIAL FLOW	10.	1037.00
INITIAL SHUTIN	30.	14185.00
		1164.00
FINAL FLOW	60.	1173.00
FINAL SHUTIN	120.	14487.00

INITIAL HYDROSTATIC: 16387.0

FINAL HYDROSTATIC: 16387.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE  
 \*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 001

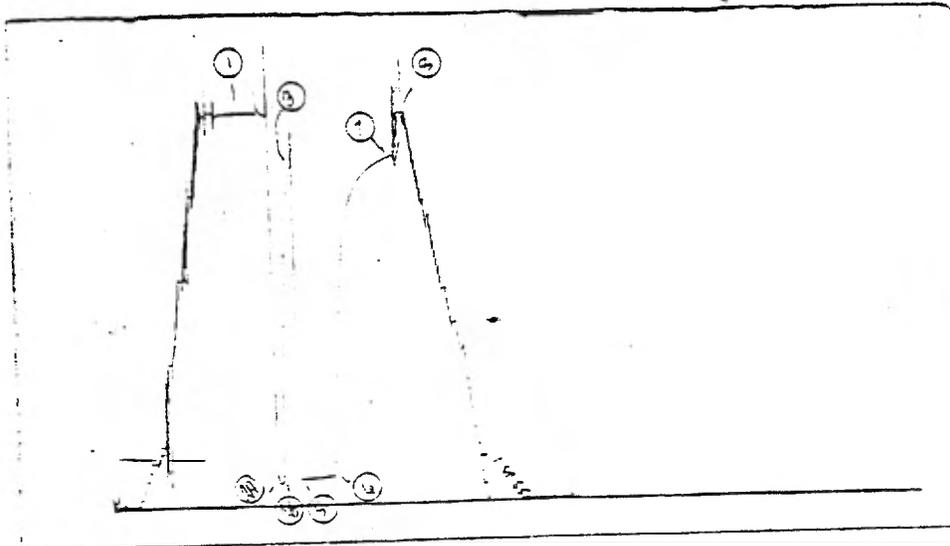
RECORDER NUMBER: 014103 TYPE: K-3  
 DEPTH : 1326.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	10.	872.00
INITIAL SHUT-IN	30.	947.00
		14075.00
		971.00
FINAL FLOW	60.	1180.00
FINAL SHUT-IN	120.	14377.00

INITIAL HYDROSTATIC: 16245.0

FINAL HYDROSTATIC: 16245.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



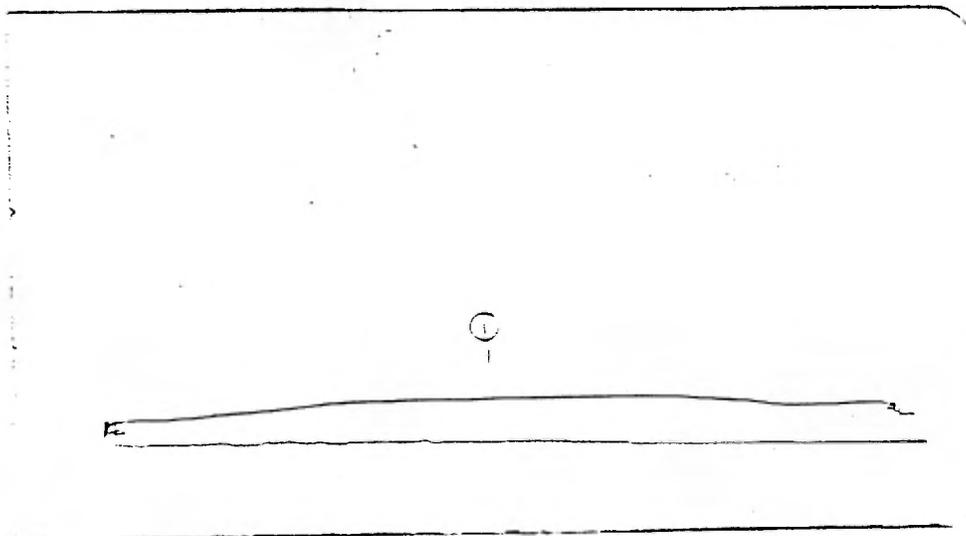
RECORDER PAGE

\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 001

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 1336.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH 12.06 C





TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

Fair air blow increasing to strong on preflow. No gas to surface.  
Strong air blow slowly decreasing to very weak in 30 minutes on final flow.  
No gas to surface.

GAS MEASUREMENTS:

Measured with:

\*\*\*\*\*

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS  
MEASUREMENTS

Liquid recovery:

For DST# 2 through DST# 2

\*\*\*\*\*

Amount (M) Of

90.00 SLIGHTLY GASIFIED MUDDY SALT WATER.

Total recovery (M): 90.00

Reversed out: NO

Salinity (g/M3):

240000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP

GENERAL DATA

\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

0045 Hrs.

Opened tool at:

0445 Hrs.

MUD AND HOLE DATA

\*\*\*\*\*

Hole condition @ test time: GOOD

Conditioned prior to test: YES

Calipered hole size @ test depth (mm) 225.0

Mud type:	KCL	Mud weight (kg/M3):	1100.00
Viscosity (sec/l):	40.0	Water loss (cm3):	
Filter cake (mm):	1.5	Reservoir temperature (C):	
		Recorder temperature (C):	12.2

Pipe size (mm)	Type	Weight (kg/M)
114.3	EXTRA HOLE	24.00

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
171.0	H90		150.31

BTH choke size (mm):	25.4	
Rat hole size (mm):		Rat hole length (M):
Main hole size (mm):	216.0	

Total number of packers run: 2

Mailing Data

\*\*\*\*\*

Company: SOQUIP  
 Address: 3340 DELA PERADE  
 SAINT FOY P.Q.  
 QUEBEC, CANADA  
 G1X 2N7

Reports sent to: MR. P. HOULE

Number of Reports: 5

WELL NAME: SOQUIP PETROFINA BECANCOUR #1  
 WELL LOCATION: 400 / 72.244 / 046.216 / 00  
 DST NUMBER: 002  
 RECORDER NUMBER: 018299  
 INTERVAL TESTED: 1130.00M TO 1150.00M  
 RECORDER DEPTH: 1131.00M  
 TOTAL FLOW TIME: 35.MIN

FINAL SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(KPa)
0.0	.0000	812.0
2.0	18.5000	1773.0
4.0	9.7500	2470.0
6.0	6.8333	2967.0
8.0	5.3750	3791.0
10.0	4.5000	4345.0
12.0	3.9167	5100.0
14.0	3.5000	5897.0
16.0	3.1875	6677.0
18.0	2.9444	7273.0
20.0	2.7500	7929.0
25.0	2.4000	9039.0
30.0	2.1667	9829.0
35.0	2.0000	10502.0
40.0	1.8750	11013.0
45.0	1.7778	11374.0
50.0	1.7000	11684.0
55.0	1.6364	11953.0
60.0	1.5833	12145.0
70.0	1.5000	12473.0
80.0	1.4375	12699.0
90.0	1.3889	12900.0

\* VALUES USED IN HORNER ANALYSIS

SLOPE:

EXTRAPOLATED PRESSURE:

HORNER PLOT

TEST DATE: 81 01 17

WELL NAME: SQUIP PETROFINA BECANOUR #1  
LOCATION: 4007 72.244 / 046.216 / 00  
DST-NO: 002 REC-NO: 018298 FINAL SHUT-IN

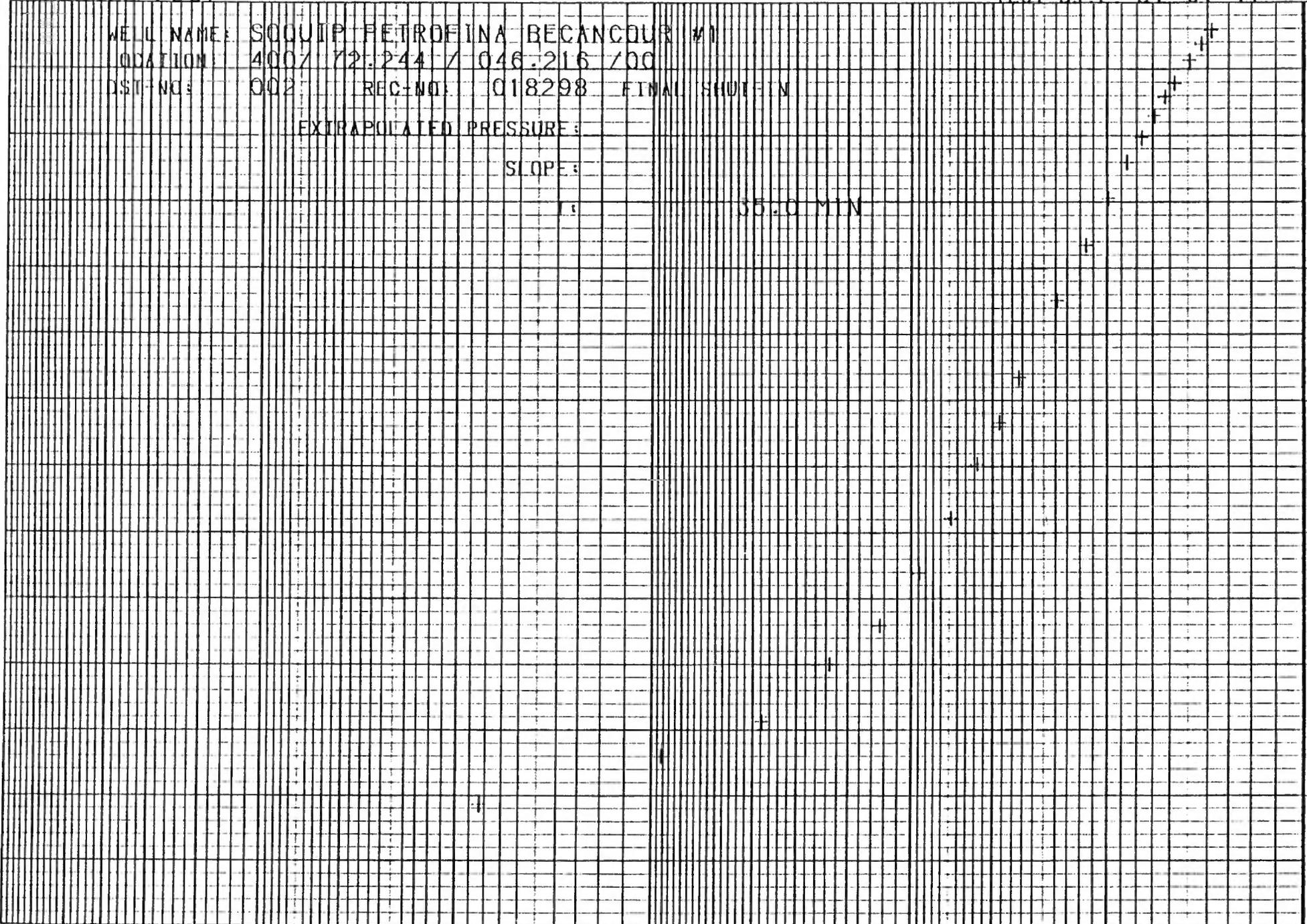
EXTRAPOLATED PRESSURE:

SLOPE:

05.0 MIN

11400  
9500  
7600  
5700  
3800  
1900  
0  
PRESSURE KPa LIQUID

100 50 25 10 5 2.5 0  
TIME (HOURS) AT



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
 \*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BEDANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 002

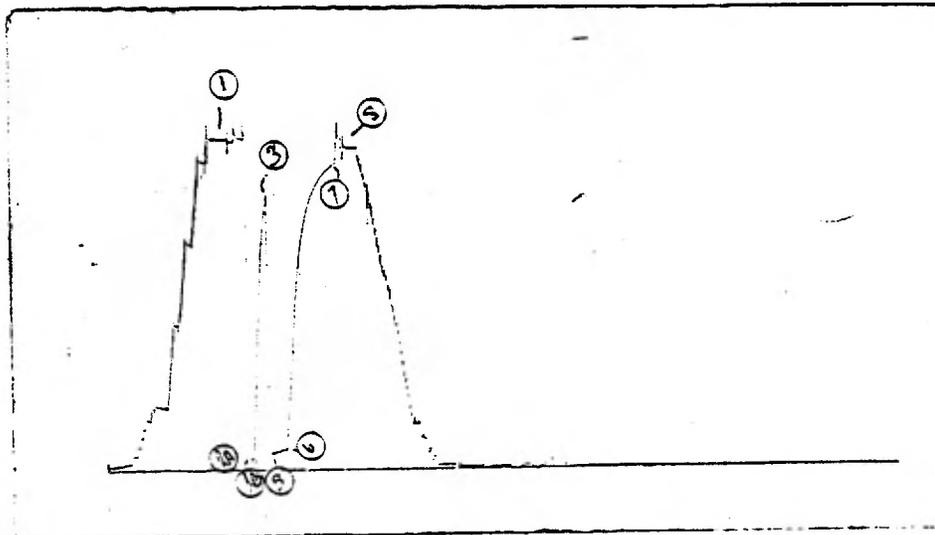
RECORDER NUMBER: 018298 TYPE: K-3  
 DEPTH : 1131.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		373.00
INITIAL FLOW	5.	398.00
INITIAL SHUTIN	30.	11332.00
		646.00
FINAL FLOW	30.	812.00
FINAL SHUTIN	90.	12900.00

INITIAL HYDROSTATIC: 13979.0

FINAL HYDROSTATIC: 13979.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 002

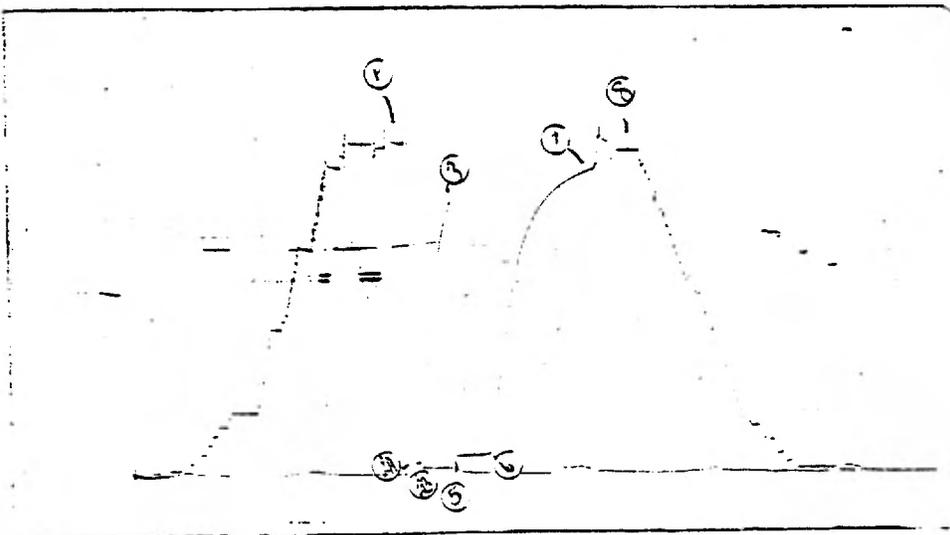
RECORDER NUMBER: 008884 TYPE: K-3  
 DEPTH : 1131.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	491.00
INITIAL SHUTIN	30.	11388.00
FINAL FLOW	30.	837.00
FINAL SHUTIN	90.	13069.00

INITIAL HYDROSTATIC: 14269.0

FINAL HYDROSTATIC: 14269.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72,244 / 046,216 /00  
 DST NUMBER : 002

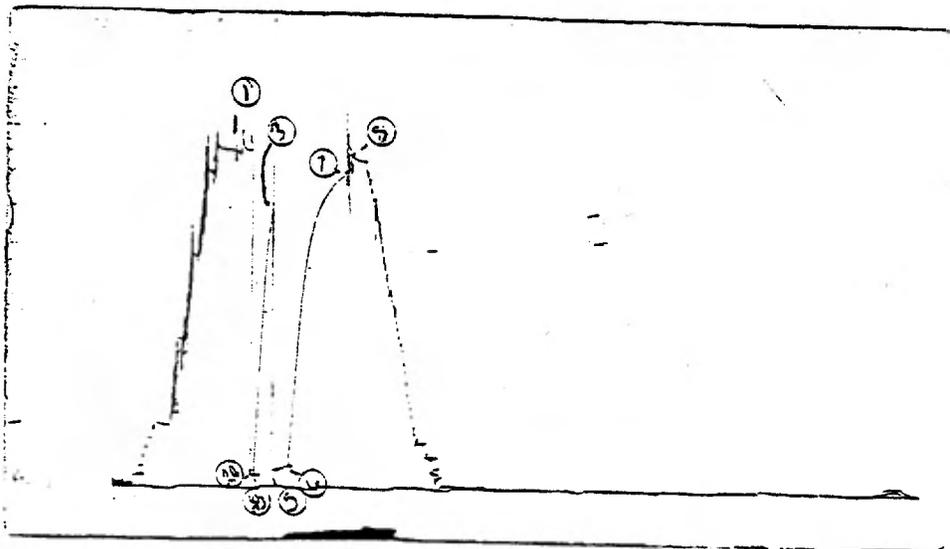
RECORDER NUMBER: 014103 TYPE: K-3  
 DEPTH : 1124.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		440.00
INITIAL FLOW	5.	424.00
INITIAL SHUTIN	30.	11224.00
		665.00
FINAL FLOW	30.	831.00
FINAL SHUTIN	90.	12923.00

INITIAL HYDROSTATIC: 13942.0

FINAL HYDROSTATIC: 13942.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

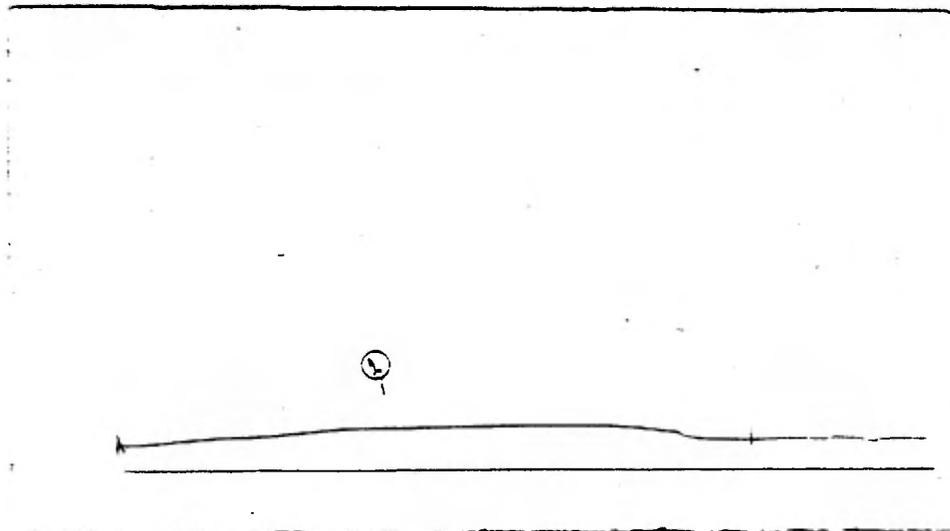
RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 002

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 1131.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH 12.19 C





TEST RECOVERY DATA  
\*\*\*\*\*

Flow description:

\*\*\*\*\*

Strong air blow on preflow. No gas to surface.  
Strong air blow on final flow. Gas to surface in 1 minute with a clean gas  
blow throughout preflow.

-----  
GAS MEASUREMENTS: Measured with: ORIFICE WELL TESTER

\*\*\*\*\*

Riser (mm): 50.8

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
5.	6.4	165.00	1498.00
10.	6.4	172.00	1541.00
15.	6.4	172.00	1541.00
20.	6.4	186.00	1625.00
25.	6.4	186.00	1625.00
30.	6.4	193.00	1662.00
35.	6.4	158.00	1459.00
40.	6.4	124.00	1236.00
45.	6.4	110.00	1152.00
50.	6.4	110.00	1152.00
55.	6.4	110.00	1152.00
60.	6.4	110.00	1152.00

REMARKS

Liquid recovery:

For DST# 003 through DST# 003

\*\*\*\*\*

Amount (M) Of  
318.00 GASIFIED DRILLING FLUID.

Total recovery (M): 318.00

Reversed out: NO

Salinity (g/M3): 57000.

-----  
Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP

GENERAL DATA

\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1200 Hrs.

Opened tool at:

1500 Hrs.

MUD AND HOLE DATA

\*\*\*\*\*

Hole condition @ test time: FAIR

Conditioned prior to test: NO

Calipered hole size @ test depth (mm) 225.0

Mud type:	KCL	Mud weight (kg/M <sup>3</sup> ):	1100.00
Viscosity (sec/l):	40.0	Water loss (cm <sup>3</sup> ):	
Filter cake (mm):	1.5	Reservoir temperature (C):	
		Recorder temperature (C):	13.3

Pipe size (mm)	Type	Weight (kg/M)
114.3	EXTRA HOLE	24.60

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
171.0	H90		150.31

BTM choke size (mm):	25.4	
Rat hole size (mm):		Rat hole length (M):
Main hole size (mm):	216.0	

Total number of Packers run: 2

Mailing Data

\*\*\*\*\*

Company:	SOQUIP	
Address:	3340 DELA PERADE	
	SAINT FOY P.O.	Reports sent to: MR. P. HOULE
	QUEBEC, CANADA	
	G1X 2N7	

Number of Reports: 5

WELL NAME:           SQQUIP PETROFINA BECANDOUR #1  
 WELL LOCATION:       400/ 72.244 / 046.216 /00  
 DST NUMBER:           003  
 RECORDER NUMBER:     018298  
 INTERVAL TESTED:     1028.00M            TO 1048.00M  
 RECORDER DEPTH:      1029.00M  
 TOTAL FLOW TIME:     65.MIN

FINAL SHUT IN PRESSURE (GAS)

TIME (MIN)	(T+PHI)	PRESSURE	PRESSURE
PHI	/PHI	(KPa)	(KPa <sup>2</sup> )/10 <sup>6</sup>
.0	.0000	3033.0	9.19909
2.0	33.5000	10460.0	109.41160
4.0	17.2500	10786.0	116.33780
6.0	11.8333	11022.0	121.48448
8.0	9.1250	11206.0	125.57444
10.0	7.5000	11332.0	128.41422
12.0	6.4167	11398.0	129.91440
14.0	5.6429	11466.0	131.46916
16.0	5.0625	11508.0	132.43406
18.0	4.6111	11583.0	134.16589
20.0	4.2500	11651.0	135.74580
25.0	3.6000	11768.0	138.48582
30.0	3.1667	11852.0	140.46990
35.0	2.8571	11885.0	141.25323
40.0	2.6250	11919.0	142.06256
45.0	2.4444	11960.0	143.04160
50.0	2.3000	11994.0	143.85604
55.0	2.1818	12019.0	144.45636
60.0	2.0833	12036.0	144.86530
65.0	2.0000	12053.0	145.27481
70.0	1.9286	12062.0	145.49184
75.0	1.8667	12078.0	145.87808
80.0	1.8125	12087.0	146.09557
85.0	1.7647	12095.0	146.28903
90.0	1.7222	12104.0	146.50682
95.0	1.6842	12112.0	146.70054
100.0	1.6500	12120.0	146.89440 *
105.0	1.6190	12128.0	147.08838 *

CONTINUED ON NEXT PAGE

FINAL SHUT IN PRESSURE (GAS)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)	PRESSURE (KPa <sup>2</sup> )/10 <sup>6</sup>
110.0	1.5909	12137.0	147.30677 *
115.0	1.5652	12137.0	147.30677 *
120.0	1.5417	12137.0	147.30677 *

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 14.43569 (KPa<sup>2</sup>/10<sup>6</sup>)/CYCLE

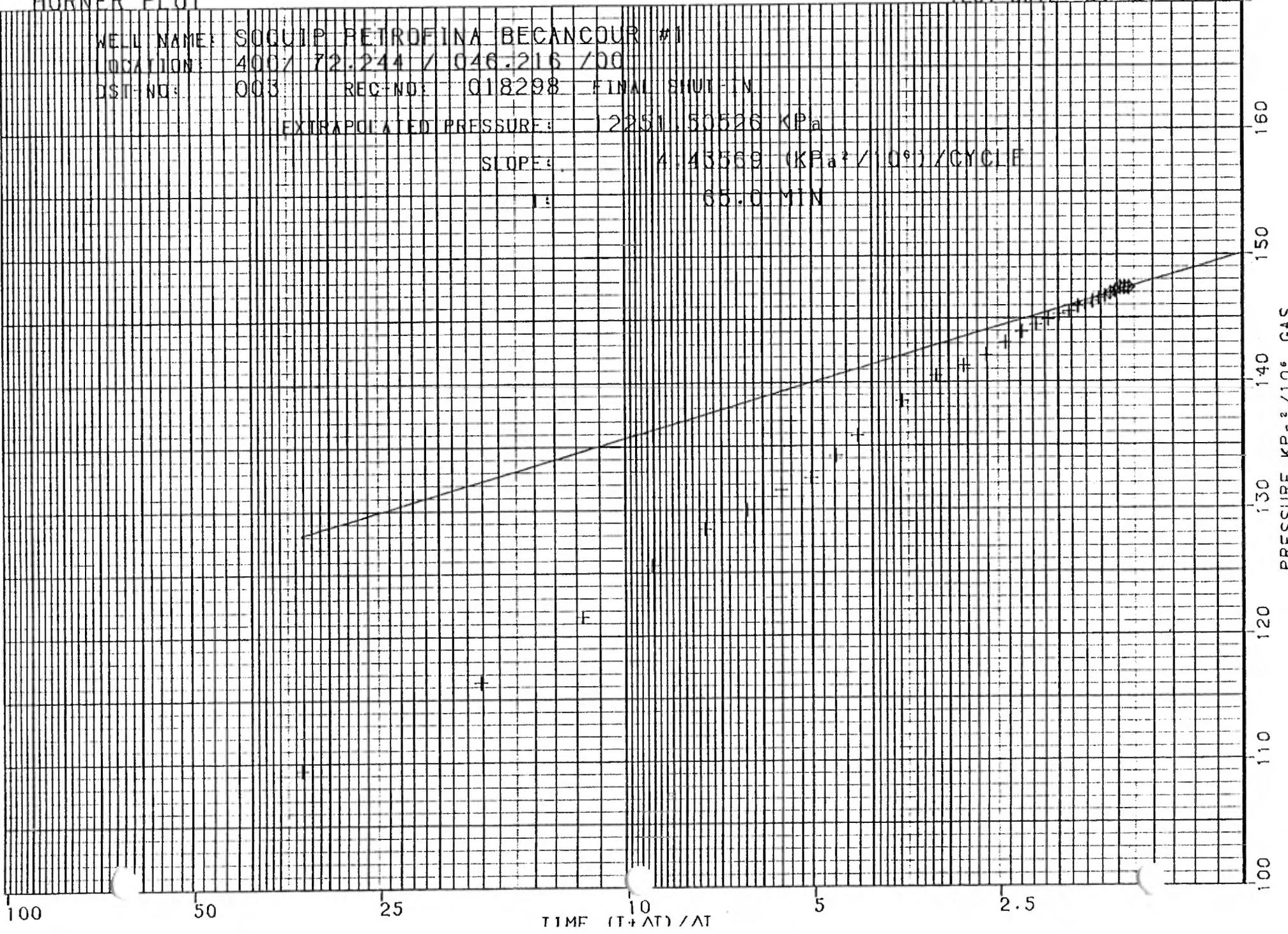
EXTRAPOLATED PRESSURE: 12251.5 KPa

HORNER PLOT

TEST DATE: 81 01 17

WELL NAME: SOQUIP PETROFINA BECANCOUR #1  
LOCATION: 400 / 72.244 / 046.216 / 00  
DST-NO: 003 REC-NO: 018298 FINAL SHUT-IN

EXTRAPOLATED PRESSURE: 12251.50526 KPa  
SLOPE: 4.45569 (KPa<sup>2</sup>/10<sup>6</sup>)/CYCLE  
t: 65.0 MIN



RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOGUIP PETROFINA BECANDOUR #1  
LOCATION : 400/ 72.244 / 048.214 / 00  
DST NUMBER : 003

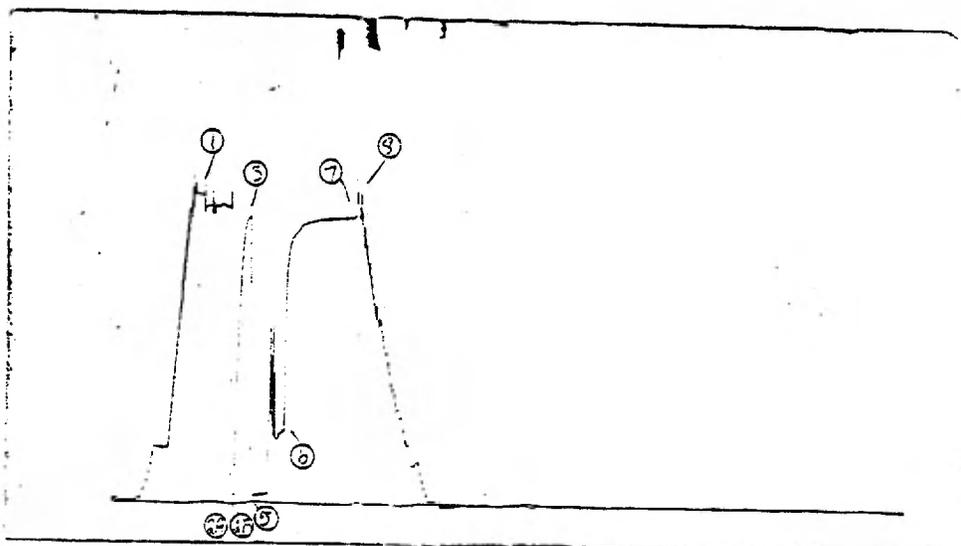
RECORDER NUMBER: 018298 TYPE: R-5  
DEPTH : 1029.00 m INSIDE/OUTSIDE: OUTSIDE  
CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	323.00
INITIAL SHUTIN	30.	257.00
		12087.00
FINAL FLOW	60.	356.00
FINAL SHUTIN	120.	3033.00
		12137.00

INITIAL HYDROSTATIC: 13009.0

FINAL HYDROSTATIC: 13009.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 003

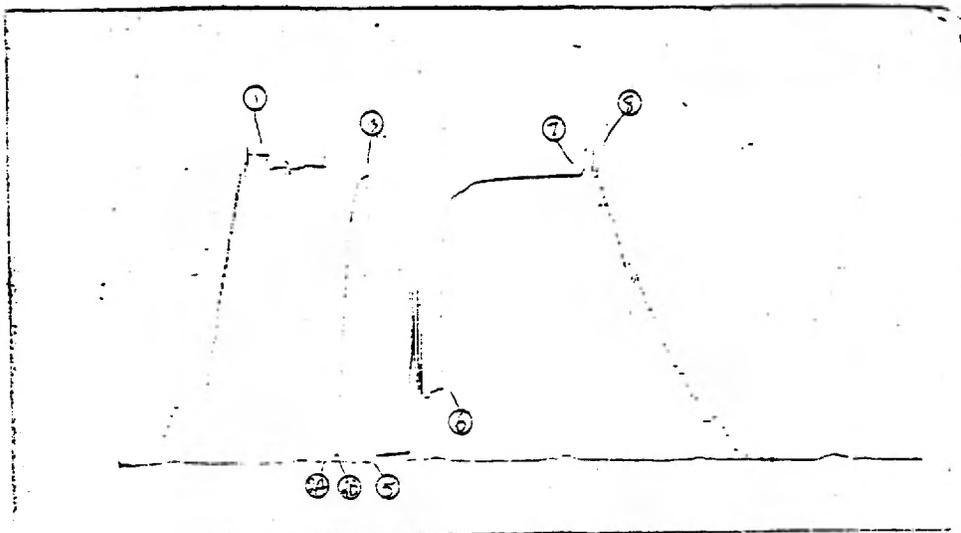
RECORDER NUMBER: 003884 TYPE: K-3  
 DEPTH : 1029.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	154.00
INITIAL SHUTIN	30.	35.00
		12117.00
FINAL FLOW	60.	146.00
FINAL SHUTIN	120.	3165.00
		12160.00

INITIAL HYDROSTATIC: 12991.0

FINAL HYDROSTATIC: 12991.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BEDANCOUR #1  
 LOCATION : 400/ 72.244 / 046.215 /00  
 DST NUMBER : 003

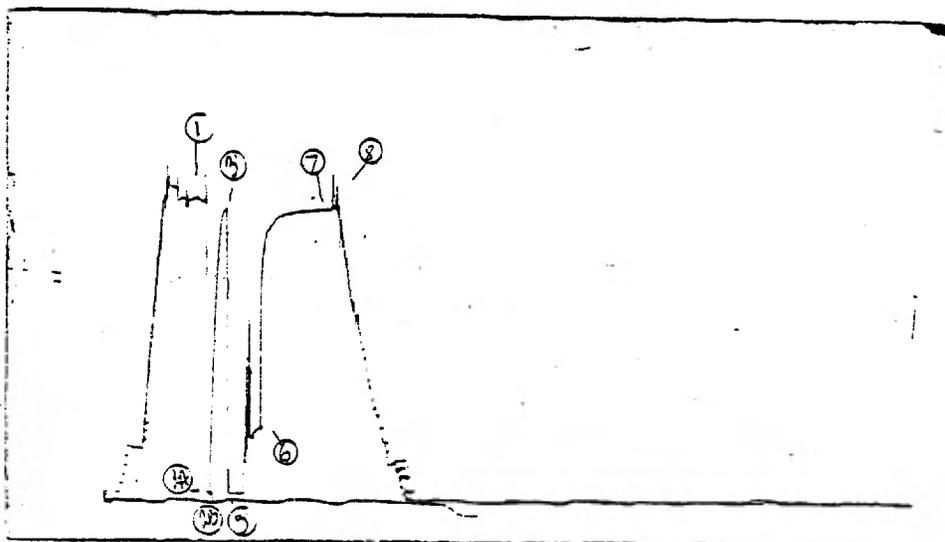
RECORDER NUMBER: 014103 TYPE: K-3  
 DEPTH : 1021.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		299.00
INITIAL FLOW	5.	233.00
INITIAL SHUTIN	30.	12058.00
		299.00
FINAL FLOW	60.	3090.00
FINAL SHUTIN	120.	12098.00

INITIAL HYDROSTATIC: 12940.0

FINAL HYDROSTATIC: 12940.0

- 1 --- INITIAL HYDROSTATIC
- 2s --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4s --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



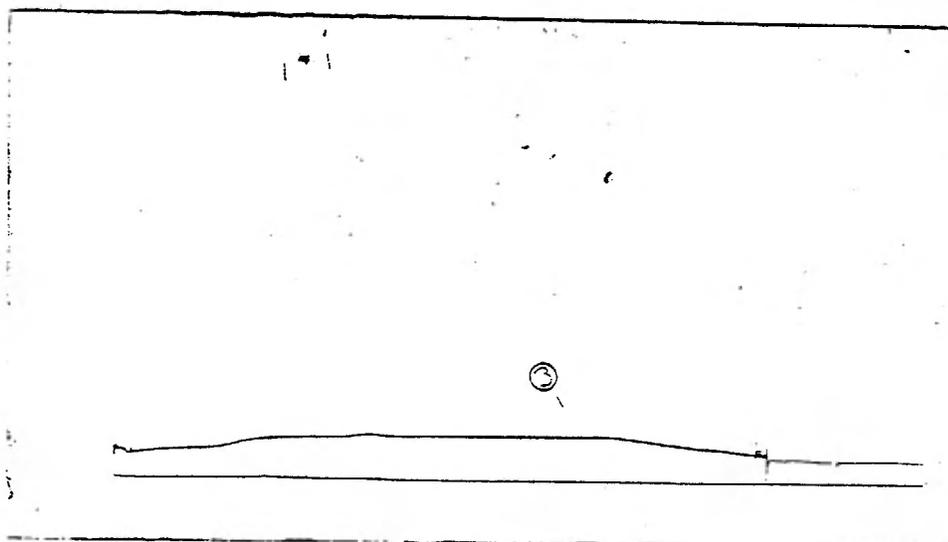
LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 003

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 1029.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: 2.00 - 143.69 C

TEMPERATURE AT TEST DEPTH 13.27 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 01 18

\*\*\*\*\*

Well name: SOQUIP PETROFINA BECANOUR 01 Licence no. 46015  
 Location: 400/ 72,244 / 046,216 /00 Ticket no. 46018

DET number 004 LYNES test #4 Test number 1 of 2 (on same trip)  
 Test type: INFLATE STRADDLE

Kelly bushing (M): Ground elevation (M):  
 Interval from (M): 970.00  
 to (M): 990.00 Total depth (M): 1370.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #016298

\*\*\*\*\*

TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURES (kPa)
1st flow	5.	1293.0	2nd flow	60.
		1873.0		1111.0
1st shutin	30.	8770.0	2nd shutin	130.
				9207.0
3rd flow			4th flow	
3rd shutin			4th shutin	
Initial hydrostatic		11894.0	Final hydrostatic	
				11894.0

GENERAL REMARKS

\*\*\*\*\*

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 AVERAGE PERMEABILITY within the interval tested. Charts indicate slight plussings on preflow. Damage indicated by the difference in build-up of the initial and the final shut-in curves. The final shut-in stabilized in 75 minutes at 9 207.00 kPa; therefore no extrapolation was performed.  
 Gas to surface.

TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

Strong air blow to bottom of well in 1 minute on preflow. Opened to flare pit. No gas to surface.

Strong air blow on final flow. Gas to surface in 1 minute with a clean gas blow throughout.

GAS MEASUREMENTS:

Measured with: ORIFICE WELL TESTER

\*\*\*\*\*

Riser (mm): 50.8

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
10.	3.2	89.00	309.00
15.	3.2	131.00	394.00
20.	3.2	165.00	464.00
25.	3.2	193.00	512.00
30.	6.4	131.00	1281.00
35.	6.4	131.00	1281.00
40.	6.4	131.00	1281.00
45.	6.4	131.00	1281.00
50.	6.4	165.00	1498.00
55.	6.4	165.00	1498.00
60.	6.4	165.00	1498.00

REMARKS

Liquid recovery:

For DST# 004 through DST# 005

\*\*\*\*\*

Amount (M) Of  
140.00 GASIFIED DRILLING FLUID.

Total recovery (M): 140.00

Reversed out: NO

Salinity (g/M3): 45000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP

GENERAL DATA

\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

2230 Hrs.

Opened tool at:

0240 Hrs.

MUD AND HOLE DATA

\*\*\*\*\*

Hole condition @ test time: FAIR

Conditioned prior to test: NO

Calibered hole size @ test depth (mm) 225.0

Mud type:	KCL	Mud weight (kg/M3):	1100.00
Viscosity (sec/l):	40.0	Water loss (cm3):	
Filter cake (mm):	1.5	Reservoir temperature (C):	
		Recorder temperature (C):	4.4

Pipe size (mm)	Type	Weight (kg/M)
114.3	EXTRA HOLE	24.60

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
171.0	H90		150.31

BTM choke size (mm):	25.4	
Rat hole size (mm):		Rat hole length (M):
Main hole size (mm):	216.0	

Total number of packers run: 2

Mailing Data

\*\*\*\*\*

Company:	SOQUIP	Reports sent to:	MR. P. HOULE
Address:	3340 DELA PERADE		
	SAINT FOY P.Q.		
	QUEBEC, CANADA		
	61X 2N7		

Number of Reports: 5

WELL NAME: SOQUIP PETROFINA SEDANCOUR #1  
 WELL LOCATION: 400 / 72.244 / 046.216 / 00  
 DST NUMBER: 004  
 RECORDER NUMBER: 018295  
 INTERVAL TESTED: 970.00M TO 990.00M  
 RECORDER DEPTH: 971.00M  
 TOTAL FLOW TIME: 65.MIN

FINAL SHUT IN PRESSURE (GAS)

TIME (MIN)	(T+PHI) /PHI	PRESSURE (KPa)	PRESSURE (KPa <sup>2</sup> )/10 <sup>6</sup>
.0	.0000	1111.0	1.23432
2.0	33.5000	3365.0	11.32322
4.0	17.2500	4999.0	24.99000
6.0	11.8333	6459.0	41.71868
8.0	9.1250	7374.0	54.37588
10.0	7.5000	8013.0	64.20817
12.0	6.4167	8425.0	70.99062
14.0	5.6429	8694.0	75.58564
16.0	5.0625	8854.0	78.39332
18.0	4.6111	8930.0	79.74490
20.0	4.2500	9022.0	81.39648
25.0	3.6000	9123.0	83.22913
30.0	3.1667	9165.0	83.99723
35.0	2.8571	9190.0	84.45610
40.0	2.6250	9194.0	84.52964
45.0	2.4444	9199.0	84.62160
50.0	2.3000	9199.0	84.62160
55.0	2.1818	9199.0	84.62160
60.0	2.0833	9203.0	84.69521
65.0	2.0000	9203.0	84.69521
70.0	1.9286	9203.0	84.69521
75.0	1.8667	9207.0	84.76885
80.0	1.8125	9207.0	84.76885
85.0	1.7647	9207.0	84.76885
90.0	1.7222	9207.0	84.76885
95.0	1.6842	9207.0	84.76885
100.0	1.6500	9207.0	84.76885
105.0	1.6190	9207.0	84.76885

CONTINUED ON NEXT PAGE

FINAL SHUT IN PRESSURE (GAS)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)	PRESSURE (KPa <sup>0.2</sup> )/10 <sup>7.5</sup>
110.0	1.5909	9207.0	84.76885
115.0	1.5652	9207.0	84.76885
120.0	1.5417	9207.0	84.76885
125.0	1.5200	9207.0	84.76885
130.0	1.5000	9207.0	84.76885

\* VALUES USED IN HORNER ANALYSIS

SLOPE:

EXTRAPOLATED PRESSURE:

HORNER PLOT

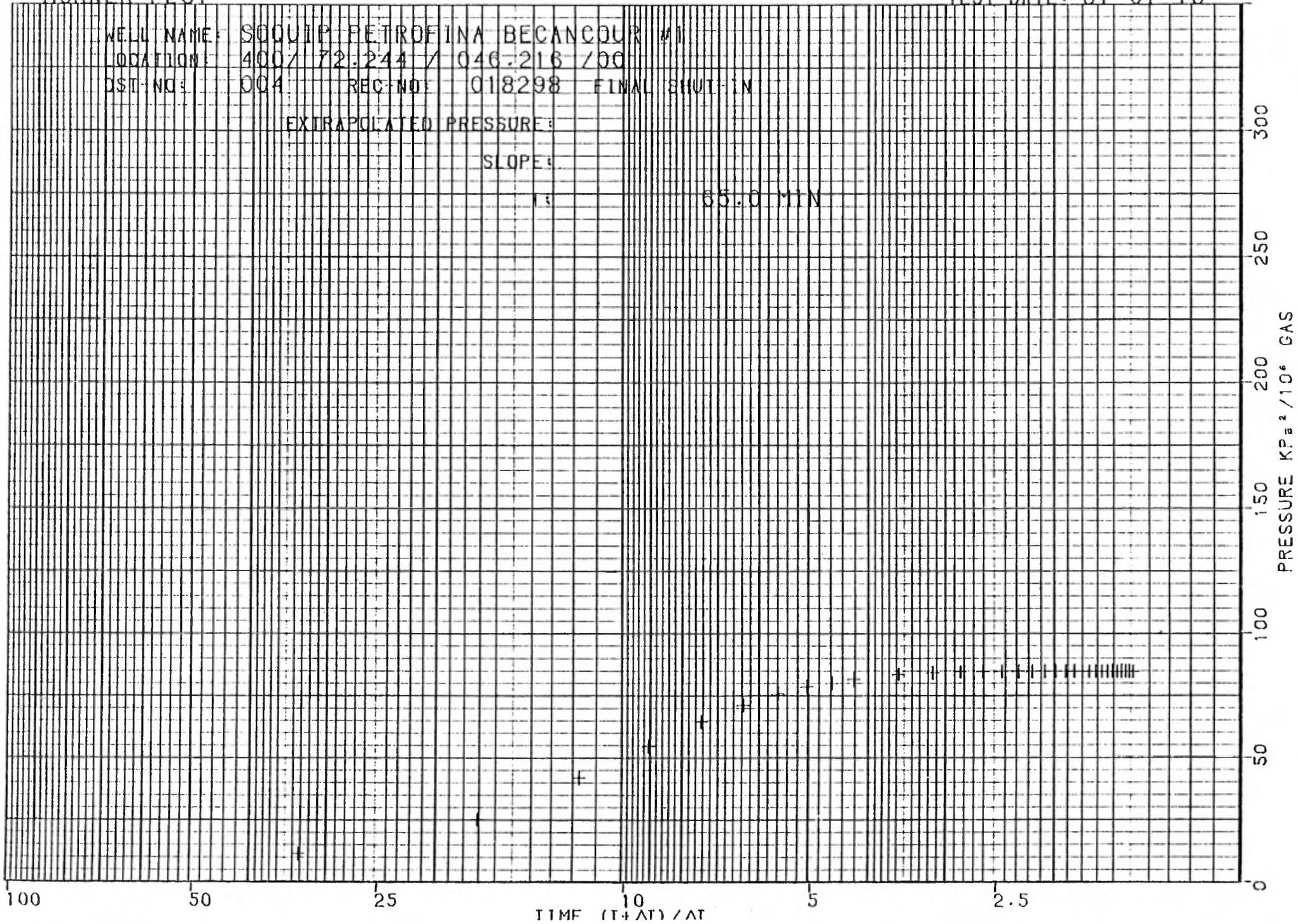
TEST DATE: 81 01 18

WELL NAME: SQUIP-PETROFINA BECANOUR #1  
LOCATION: 4007 72.244 / 046.216 / 00  
DST NO: 004 REC NO: 018298 FINAL SHUT-IN

EXTRAPOLATED PRESSURE:

SLOPE:

65.0 MIN



RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANOUR #1  
 LOCATION : 400/ 72.244 / 046.213 /00  
 DST NUMBER : 004

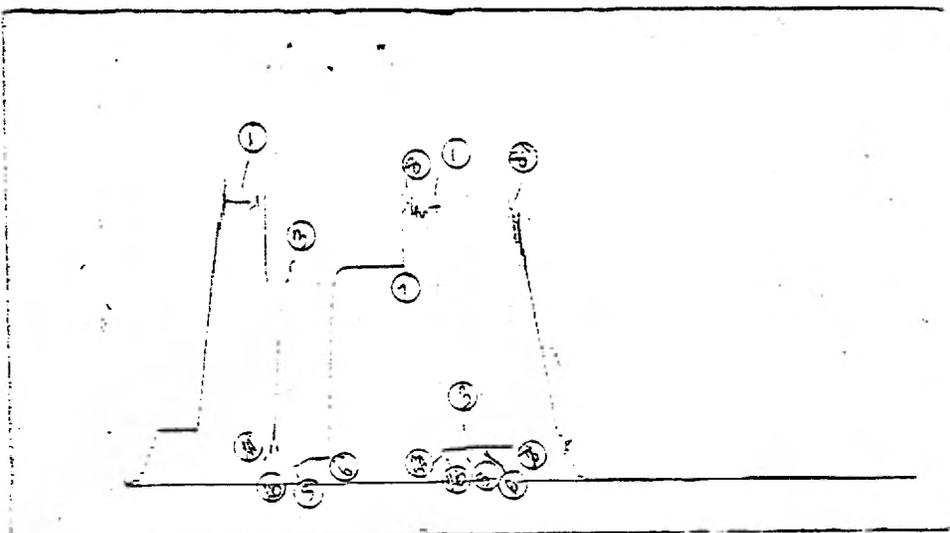
RECORDER NUMBER: 018298 TYPE: K-3  
 DEPTH : 971.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1293.00
INITIAL FLOW	5.	1873.00
INITIAL SHUTIN	30.	8770.00
		754.00
FINAL FLOW	60.	1111.00
FINAL SHUTIN	130.	9207.00

INITIAL HYDROSTATIC: 11894.0

FINAL HYDROSTATIC: 11894.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BEDANCOUR #1  
 LOCATION : 400 / 72.244 / 046.316 / 00  
 DST NUMBER : 004

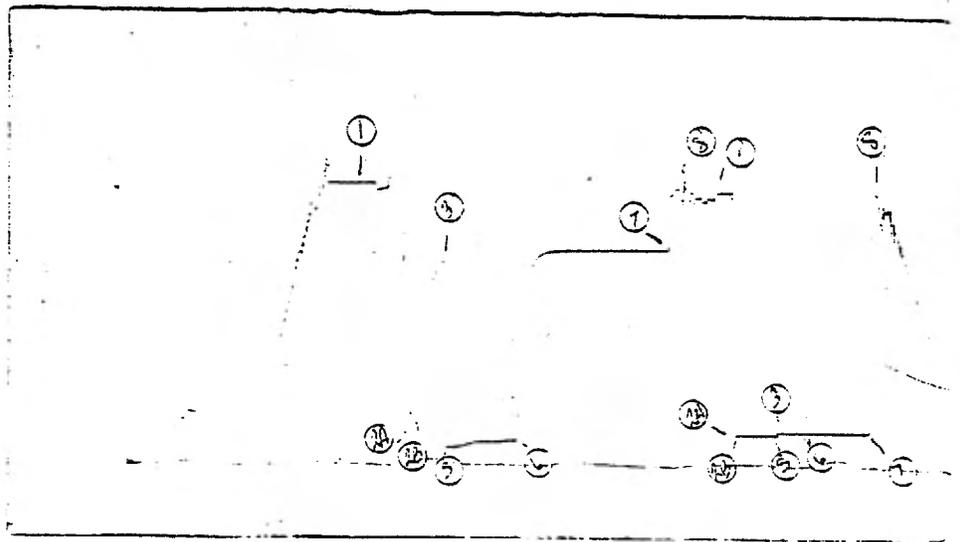
RECORDER NUMBER: 008884 TYPE: K-3  
 DEPTH : 971.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1319.00
INITIAL FLOW	5.	2001.00
INITIAL SHUT-IN	30.	8836.00
		737.00
FINAL FLOW	60.	1055.00
FINAL SHUT-IN	130.	9319.00

INITIAL HYDROSTATIC: 11903.0

FINAL HYDROSTATIC: 11903.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SQUIP PETROFINA BECANOUR #1  
LOCATION : 400/ 72\244 / 046,215 /00  
DST NUMBER : 004

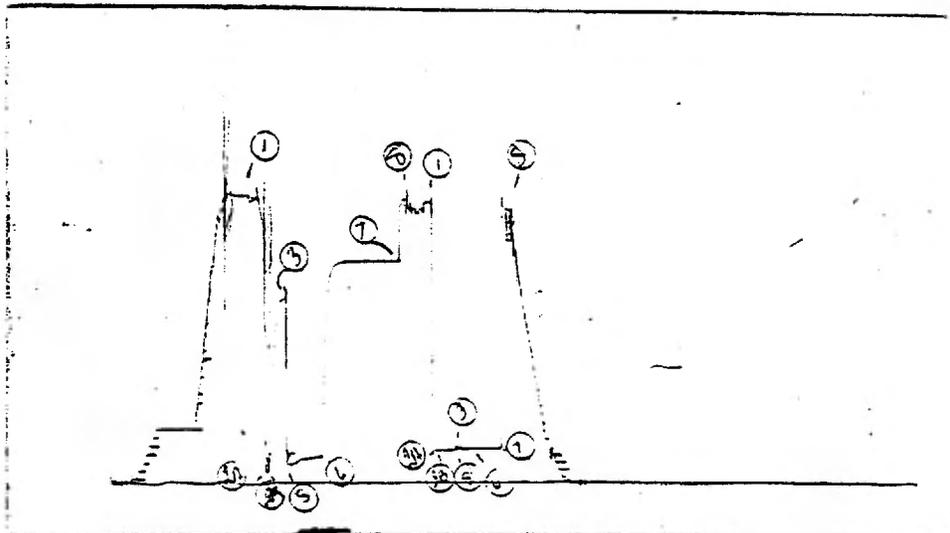
RECORDER NUMBER: 014103 TYPE: K-E  
DEPTH: 963.00 m INSIDE/OUTSIDE: INSIDE  
CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURE (kPa)
INITIAL FLOW	5.	440.00
INITIAL SHUTIN	30.	523.00
		7732.00
FINAL FLOW	60.	781.00
FINAL SHUTIN	130.	1080.00
		9285.00

INITIAL HYDROSTATIC: 11831.0

FINAL HYDROSTATIC: 11831.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

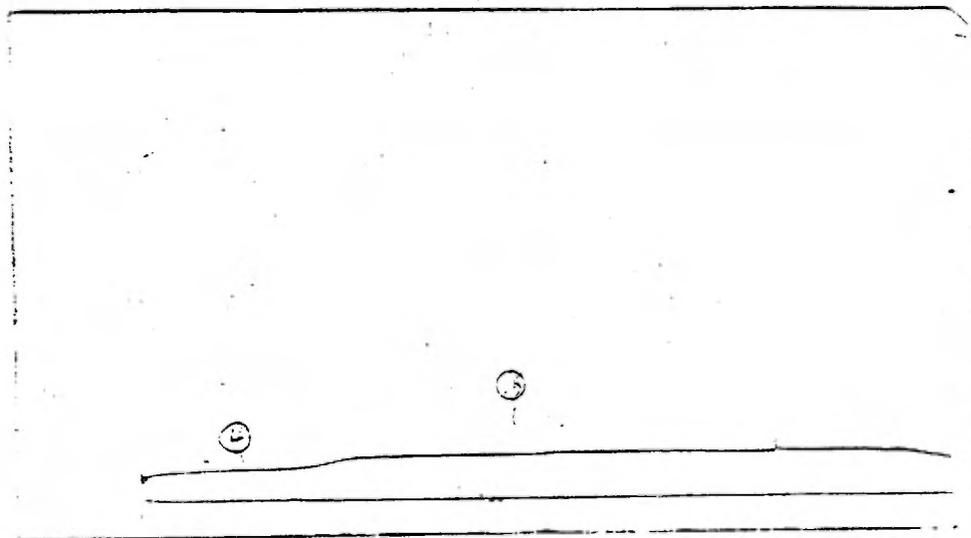
RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
LOCATION : 400 / 72.244 / 046.216 / 00  
DST NUMBER : 004

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 971.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.69 C

TEMPERATURE AT TEST DEPTH 4.42 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 01 18

\*\*\*\*\*

Well name: SOQUIP PETROFINA BECANOUR #1 Licence no. 46015  
 Location: 400/ 72.244 / 046.216 /00 Ticket no. 49351

DST number 005 LYNES test #5 Test number 2 of 2 (on same trip)  
 Test type: INFLATE STRADDLE

Kelly bushing (M): Ground elevation (M):  
 Interval from (M): 932.00  
 to (M): 952.00 Total depth (M): 1370.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #018298

\*\*\*\*\*

	TIMES (min)	PRESSURES (kPa)	:		TIMES (min)	PRESSURES (kPa)
1st flow	5.	1276.0	:	2nd flow	30.	1409.0
		1392.0	:	2nd shutin	60.	1475.0
1st shutin	30.	1467.0	:			
			:	4th flow		
3rd flow			:	4th shutin		
3rd shutin			:			
			:			
Initial hydrostatic		11592.0	:	Final hydrostatic		11592.0

GENERAL REMARKS

\*\*\*\*\*

This is the second of two tests run on the same trip in the hole.  
 Misrun - tool froze off at surface.

TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

No blow on preflow. No bubbles to surface.  
No blow on final flow.

GAS MEASUREMENTS:

Measured with:

\*\*\*\*\*

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS  
MEASUREMENTS

Liquid recovery:

For DST# 004 through DST# 005

\*\*\*\*\*

Amount (M) Of  
140.00 GASIFIED DRILLING FLUID.

Total recovery (M): 140.00

Reversed out: NO

Salinity (g/M3): 45000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP

GENERAL DATA  
\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

2230 Hrs.

Opened tool at:

0745 Hrs.

MUD AND HOLE DATA  
\*\*\*\*\*

Hole condition @ test time: FAIR

Conditioned prior to test: NO

Calipered hole size @ test depth (mm) 225.0

Mud type: KCL

Mud weight (kg/M<sup>3</sup>): 1100.00

Viscosity (sec/l): 40.0

Water loss (cm<sup>3</sup>):

Filter cake (mm): 1.5

Reservoir temperature (C):

Recorder temperature (C): 12.3

Pipe size (mm)

Type

Weight (kg/M)

114.3

EXTRA HOLE

24.60

Collar size (mm)

Type

Int. diameter (mm)

Length (M)

171.0

H90

150.31

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 216.0

Total number of packers run: 2

Mailing Data  
\*\*\*\*\*

Company: SOQUIP

Address: 3340 DELA PERADE

SAINT FOY P.Q.

QUEBEC, CANADA

G1X 2N7

Reports sent to: MR. P. HOULE

Number of Reports: 5

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : BOQUIP PETROFINA SEDANCCUR #1  
 LOCATION : 400 / 72.244 / 046.216 / 00  
 DST NUMBER : 005

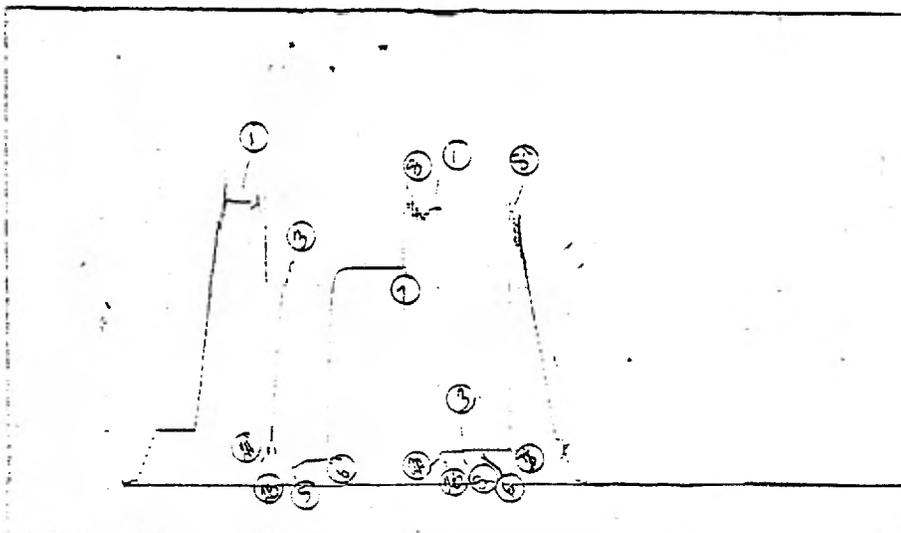
RECORDER NUMBER: 018298 TYPE: K-3  
 DEPTH : 933.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1275.00
INITIAL FLOW	5.	1392.00
INITIAL SHUTIN	30.	1467.00
		1409.00
FINAL FLOW	30.	1475.00
FINAL SHUTIN	1483.	

INITIAL HYDROSTATIC: 11592.0

FINAL HYDROSTATIC: 11592.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400 / 72.244 / 046.216 / 00  
 DST NUMBER : 005

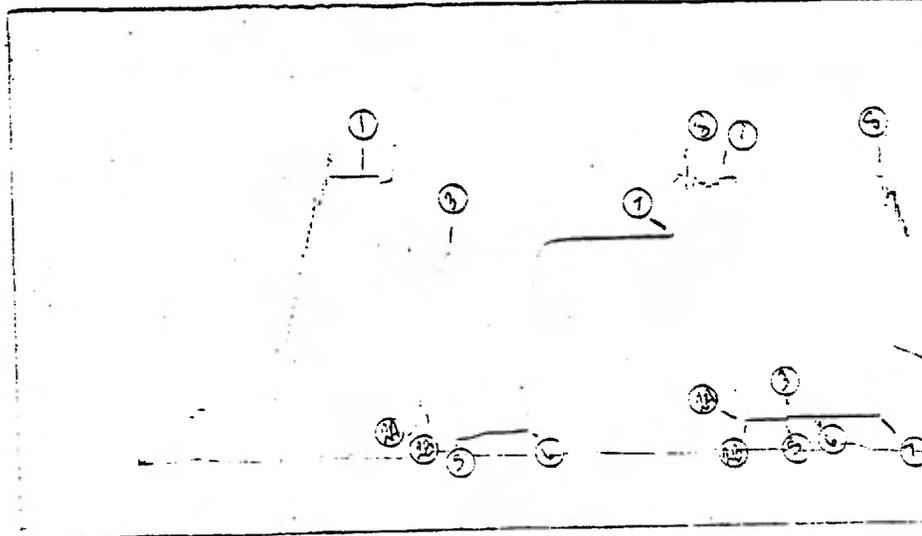
RECORDER NUMBER: 008884 TYPE: N-5  
 DEPTH : 933.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: /19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	1364.00
INITIAL SHUTIN	30.	1383.00
		1528.00
		1401.00
FINAL FLOW	30.	1519.00
FINAL SHUTIN	1483.	1519.00

INITIAL HYDROSTATIC: 11766.0

FINAL HYDROSTATIC: 11766.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANDOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 005

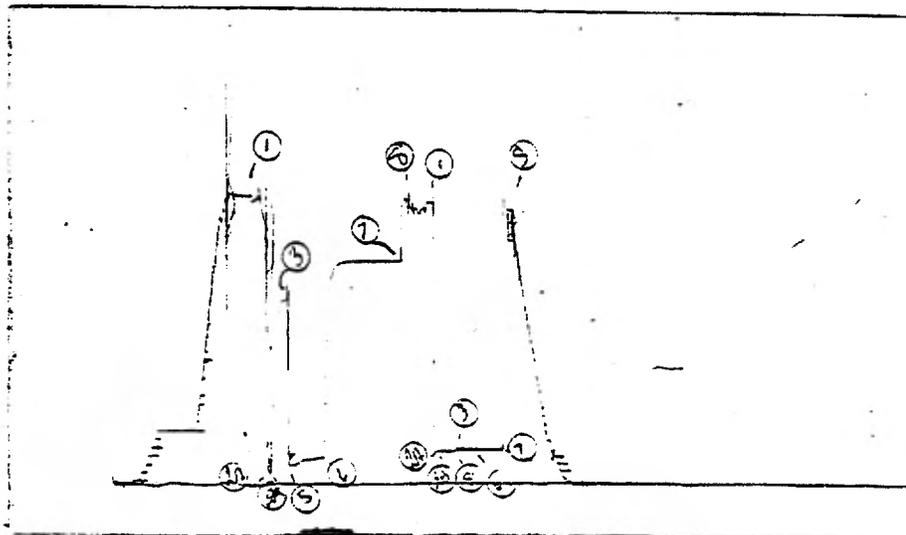
RECORDER NUMBER: 014103 TYPE: K-3  
 DEPTH : 925.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1304.00
INITIAL FLOW	5.	1346.00
INITIAL SHUTIN	30.	1421.00
		1371.00
FINAL FLOW	30.	1437.00
FINAL SHUTIN	1483.	1421.00

INITIAL HYDROSTATIC: 11516.0

FINAL HYDROSTATIC: 11516.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



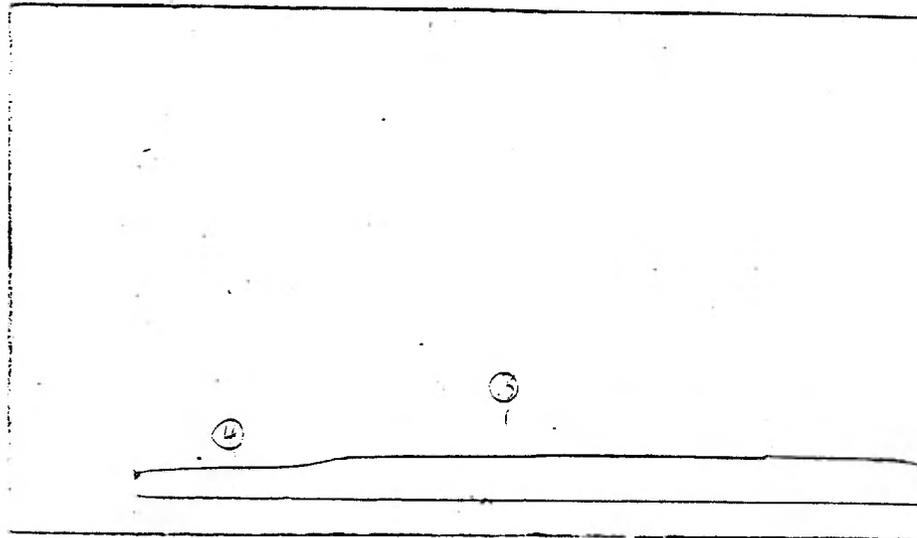
LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA SEDANOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 005

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 933.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH 12.33 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT  
 \*\*\*\*\*

Date: 81 01 12

Well name: SOQUIP PETROFINA BECANCOUR #1 Licence no. 46015  
 Location: 400/ 72.244 / 046.216 / 00 Ticket no. 46019

BST number 006 LYNES test #6 Test number 1 of 1 (on same trip)  
 Test type: INFLATE STRADDLE

Kelly bushings (M): Ground elevation (M):  
 Interval from (M): 939.00  
 to (M): 952.00 Total depth (M): 1370.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #008884

\*\*\*\*\*

	TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURES (kPa)
		1019.0	:		864.0
1st flow	15.	937.0	:	2nd flow	60.
			:		837.0
1st shutin	30.	909.0	:	2nd shutin	120.
			:		846.0
			:		
3rd flow			:	4th flow	
			:		
3rd shutin			:	4th shutin	
			:		
Initial hydrostatic		11371.0	:	Final hydrostatic	11371.0

GENERAL REMARKS

\*\*\*\*\*

Bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY NO PERMEABILITY within the interval tested.  
 No gas to surface.

TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

Strong air blow on preflow, no see to surface.  
38.1 mm in well after 15 minutes on final flow, then slowly decreasing  
throughout flow.

GAS MEASUREMENTS:

Measured with:

\*\*\*\*\*

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS  
MEASUREMENTS

Liquid recovery:

For DST# 006 through DST# 006

\*\*\*\*\*

Amount (M) Of  
12.00 DRILLING FLUID.

Total recovery (M): 12.00

Reversed out: NO

Salinity (g/M3): 57000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 2

Sent to: SOQUIP

GENERAL DATA  
\*\*\*\*\*

Inhibitor amount (M):  
Cushion type:                      Liquid amount (M):  
   Gas pressure (kPa):  
  
Started in hole:                      1630 Hrs.  
Opened tool st:                      1915 Hrs.

MUD AND HOLE DATA  
\*\*\*\*\*

Hole condition @ test time: FAIR  
Conditioned prior to test: NO

Calibered hole size @ test depth (mm)                      225.0

Mud type:                      KCL                      Mud weight (kg/M3):                      1100.00  
Viscosity (sec/l):                      40.0                      Water loss (cm3):  
Filter cake (mm):                      1.5                      Reservoir temperature (C):  
   Recorder temperature (C):                      11.5

Pipe size (mm)                      Type                      Weight (kg/M)  
  
                    114.3                      EXTRA HOLE                      24.60

Collar size (mm)                      Type                      Int. diameter (mm)                      Length (M)  
  
                    171.0                      H90                                           150.31

BTM choke size (mm):                      25.4  
Ret hole size (mm):                      Ret hole length (M):  
Main hole size (mm):                      216.0

Total number of packers run: 2

Mailing Data  
\*\*\*\*\*

Company:                      SOQUIP  
Address:                      3340 DELA PERADE  
   SAINT FOY P.Q.                      Reports sent to:                      MR. P. HOULE  
   QUEBEC, CANADA  
   G1X 2N7

Number of Reports: 5

LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOGUIP PETROFINA BECANCOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 006

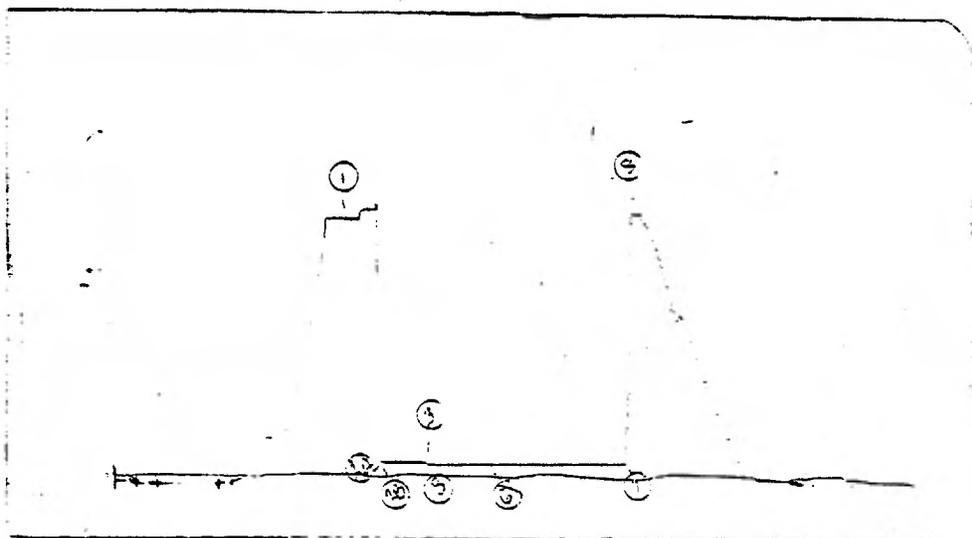
RECORDER NUMBER: 008884 TYPE: K-3  
DEPTH : 940.00 m INSIDE/OUTSIDE: OUTSIDE  
CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1019.00
INITIAL FLOW	15.	937.00
INITIAL SHUTIN	30.	909.00
		864.00
FINAL FLOW	60.	837.00
FINAL SHUTIN	120.	846.00

INITIAL HYDROSTATIC: 11371.0

FINAL HYDROSTATIC: 11371.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA SECANCOUR 31  
LOCATION : 400 / 72,244 / 046,216 / 00  
DST NUMBER : 006

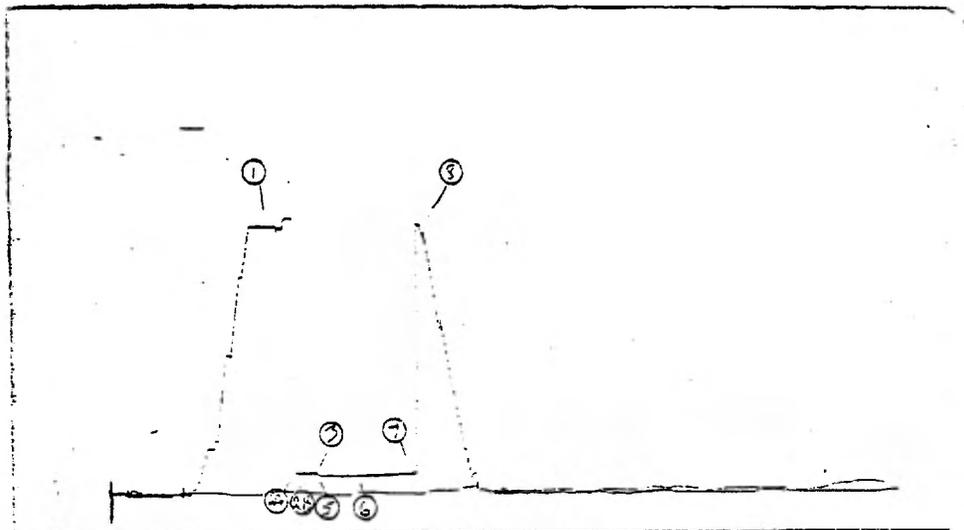
RECORDER NUMBER: 018298 TYPE: R-1  
DEPTH : 940.00 m INSIDE/OUTSIDE: OUTSIDE  
CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		829.00
INITIAL FLOW	15.	796.00
INITIAL SHUTIN	30.	820.00
		729.00
FINAL FLOW	60.	696.00
FINAL SHUTIN	120.	804.00

INITIAL HYDROSTATIC: 11357.0

FINAL HYDROSTATIC: 11357.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE  
\*\*\*\*\*

WELL NAME : SOGUIP PETROFINA BECANCOUR #1  
 LOCATION : 400 / 72.244 / 048.216 / 00  
 DST NUMBER : 006

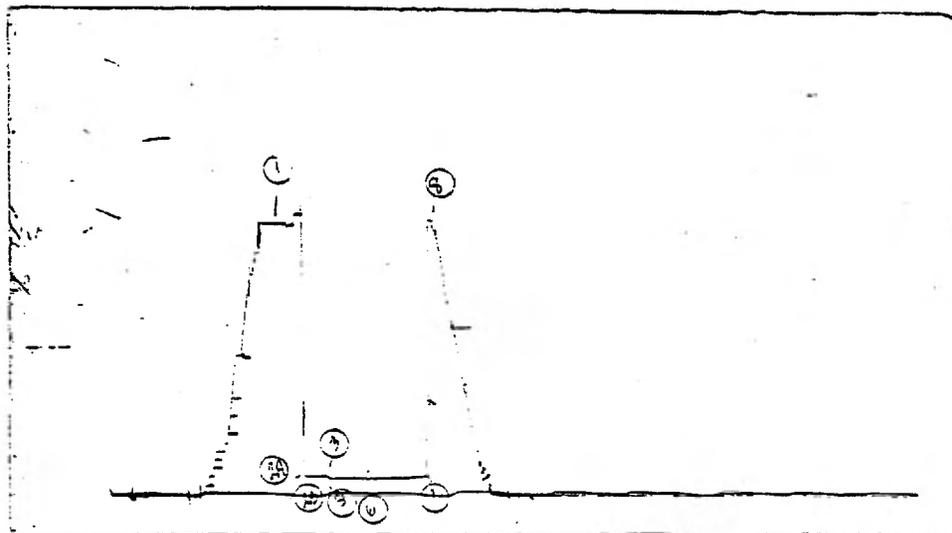
RECORDER NUMBER: 014103 TYPE: K-5  
 DEPTH : 932.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		806.00
INITIAL FLOW	15.	764.00
INITIAL SHUTIN	30.	781.00
		714.00
FINAL FLOW	60.	689.00
FINAL SHUTIN	120.	789.00

INITIAL HYDRDSTATIC: 11288.0

FINAL HYDROSTATIC: 11288.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC

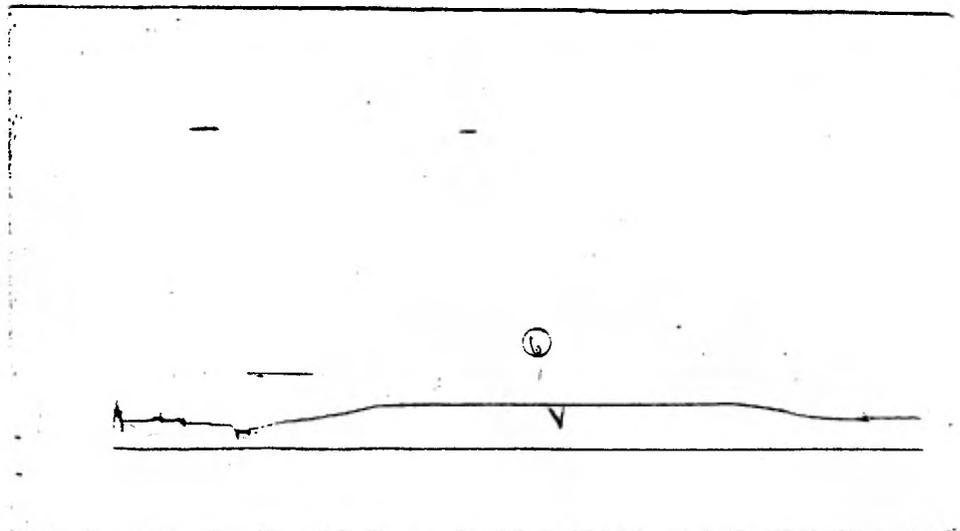


RECORDER PAGE  
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WELL NAME : SOGUIP PETROFINA BECANCOUR #1  
LOCATION : 400 / 72.244 / 048.216 / 00  
DST NUMBER : 006

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 940.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH 11.52 C





TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

Strong air blow with 76.2 mm to bottom of pail after 10 minutes on preflow.

No gas to surface.

Gas to surface in 2 minutes on final flow. Too small to measure for 30 minutes.

GAS MEASUREMENTS:

Measured with: DRIFICE WELL TESTER

\*\*\*\*\*

Riser (mm): 50.8

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
35.	9.5	117.00	2535.00
40.	9.5	152.00	3014.00
45.	9.5	137.00	2817.00
50.	9.5	117.00	2535.00
55.	9.5	117.00	2535.00
60.	9.5	117.00	2535.00

REMARKS

Liquid recovery:

\*\*\*\*\*

For DST# 7 through DST# 7

Amount (M) Of

451.00 GASIFIED SALT WATER.

Total recovery (M): 451.00

Reversed out: NO

Salinity (g/M3):

133000.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 3

Sent to: SOQUIP



WELL NAME: SOQUIP PETROFINA BECANCOUR #1  
 WELL LOCATION: 400/ 72.244 / 046.216 /00  
 DST NUMBER: 007  
 RECORDER NUMBER: 018298  
 INTERVAL TESTED: 795.00M TO 835.00M  
 RECORDER DEPTH: 796.00M  
 TOTAL FLOW TIME: 70.MIN

FINAL SHUT IN PRESSURE (GAS)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)	PRESSURE (KPa <sup>2</sup> )/10 <sup>6</sup>
.0	.0000	4806.0	23.09764
2.0	36.0000	6199.0	38.42760
4.0	18.5000	6308.0	39.79086
6.0	12.6667	6350.0	40.32250
8.0	9.7500	6392.0	40.85766
10.0	8.0000	6425.0	41.28063
12.0	6.8333	6450.0	41.60250
14.0	6.0000	6475.0	41.92563
16.0	5.3750	6501.0	42.26300
18.0	4.8889	6517.0	42.47129
20.0	4.5000	6534.0	42.69316
25.0	3.8000	6576.0	43.24378
30.0	3.3333	6610.0	43.69210
35.0	3.0000	6643.0	44.12945
40.0	2.7500	6668.0	44.46222
45.0	2.5556	6694.0	44.80964
50.0	2.4000	6710.0	45.02410
55.0	2.2727	6727.0	45.25253
60.0	2.1667	6752.0	45.58950
70.0	2.0000	6794.0	46.15844
80.0	1.8750	6836.0	46.73090
90.0	1.7778	6878.0	47.30688
100.0	1.7000	6920.0	47.88640 *
110.0	1.6364	6954.0	48.35812 *
120.0	1.5833	6987.0	48.81817 *

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 30.13256 (KPa<sup>2</sup>/10<sup>6</sup>)/CYCLE

EXTRAPOLATED PRESSURE: 7404.2 KPa

WELL NAME: SOQUIP PETROFINA BECANOUR #1  
 WELL LOCATION: 400/ 72.244 / 046.216 /00  
 DST NUMBER: 007  
 RECORDER NUMBER: 018298  
 INTERVAL TESTED: 795.00M TO 835.00M  
 RECORDER DEPTH: 796.00M  
 TOTAL FLOW TIME: 10.MIN

FIRST SHUT IN PRESSURE (GAS)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)	PRESSURE (KPa <sup>2</sup> )/10 <sup>6</sup>
.0	.0000	2685.0	7.20922
2.0	6.0000	7214.0	52.04180
4.0	3.5000	7996.0	63.93602
6.0	2.6667	8123.0	65.98313
8.0	2.2500	8198.0	67.20720
10.0	2.0000	8249.0	68.04600
12.0	1.8333	8299.0	68.87340
14.0	1.7143	8341.0	69.57228
16.0	1.6250	8375.0	70.14063
18.0	1.5556	8408.0	70.69446
20.0	1.5000	8434.0	71.13236 *
22.0	1.4545	8450.0	71.40250 *
24.0	1.4167	8467.0	71.69009 *
26.0	1.3846	8484.0	71.97826 *
28.0	1.3571	8501.0	72.26700 *
30.0	1.3333	8509.0	72.40308 *

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 25.83443 (KPa<sup>2</sup>/10<sup>6</sup>)/CYCLE

EXTRAPOLATED PRESSURE: 8697.1 KPa

# HORNER PLOT

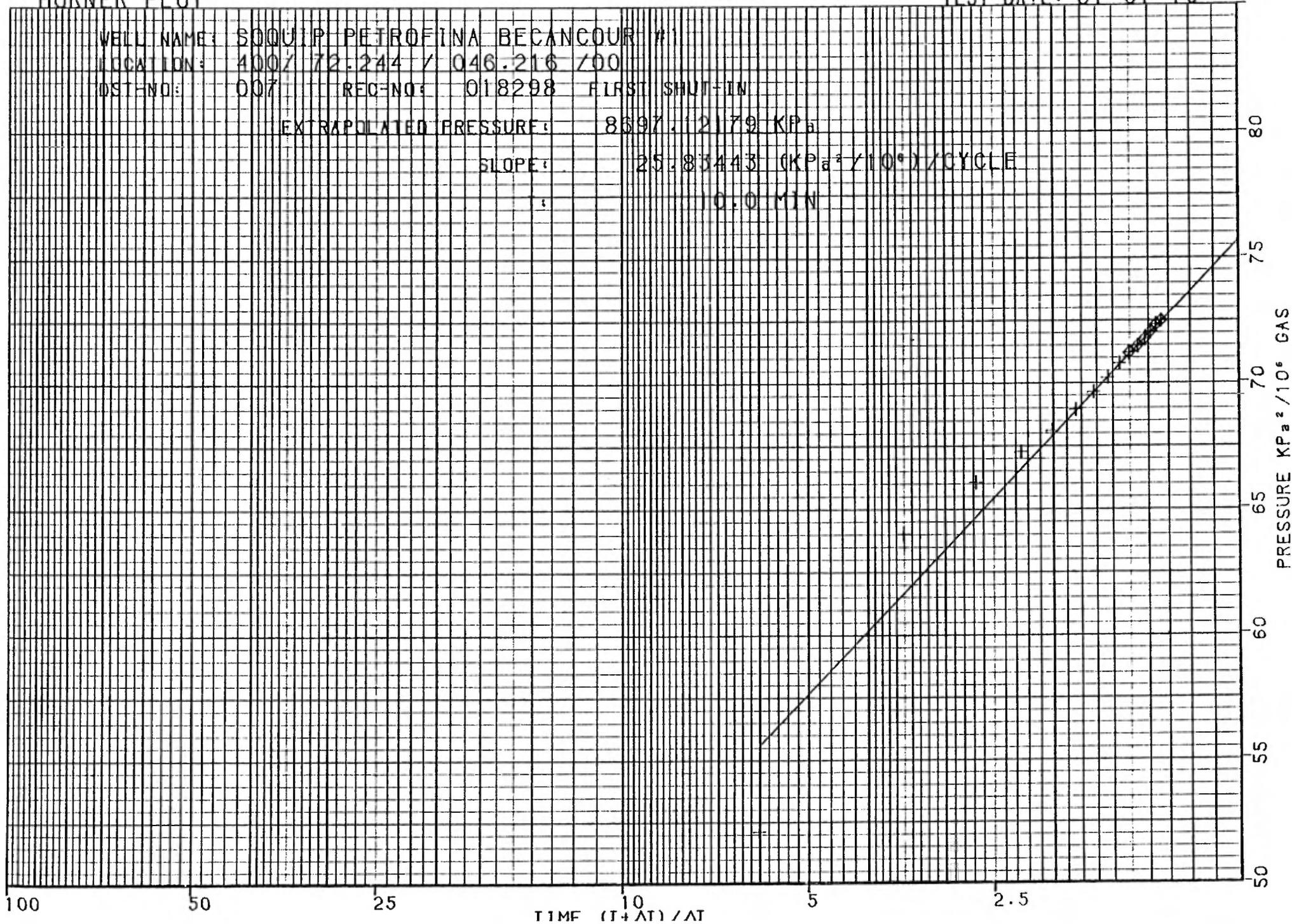
TEST DATE: 81 01 19

WELL NAME: SOQUIP PETROFINA BECANCOUR #1  
LOCATION: 4007 72.244 / 046.216 / 00  
DST NO: 007 REC-NO: 018298 FIRST SHUT-IN

EXTRAPOLATED PRESSURE: 8697.12179 KPa

SLOPE: 25.83443 (KPa<sup>2</sup>/10<sup>6</sup>)/CYCLE

Δt: 10.0 MIN



# HORNER PLOT

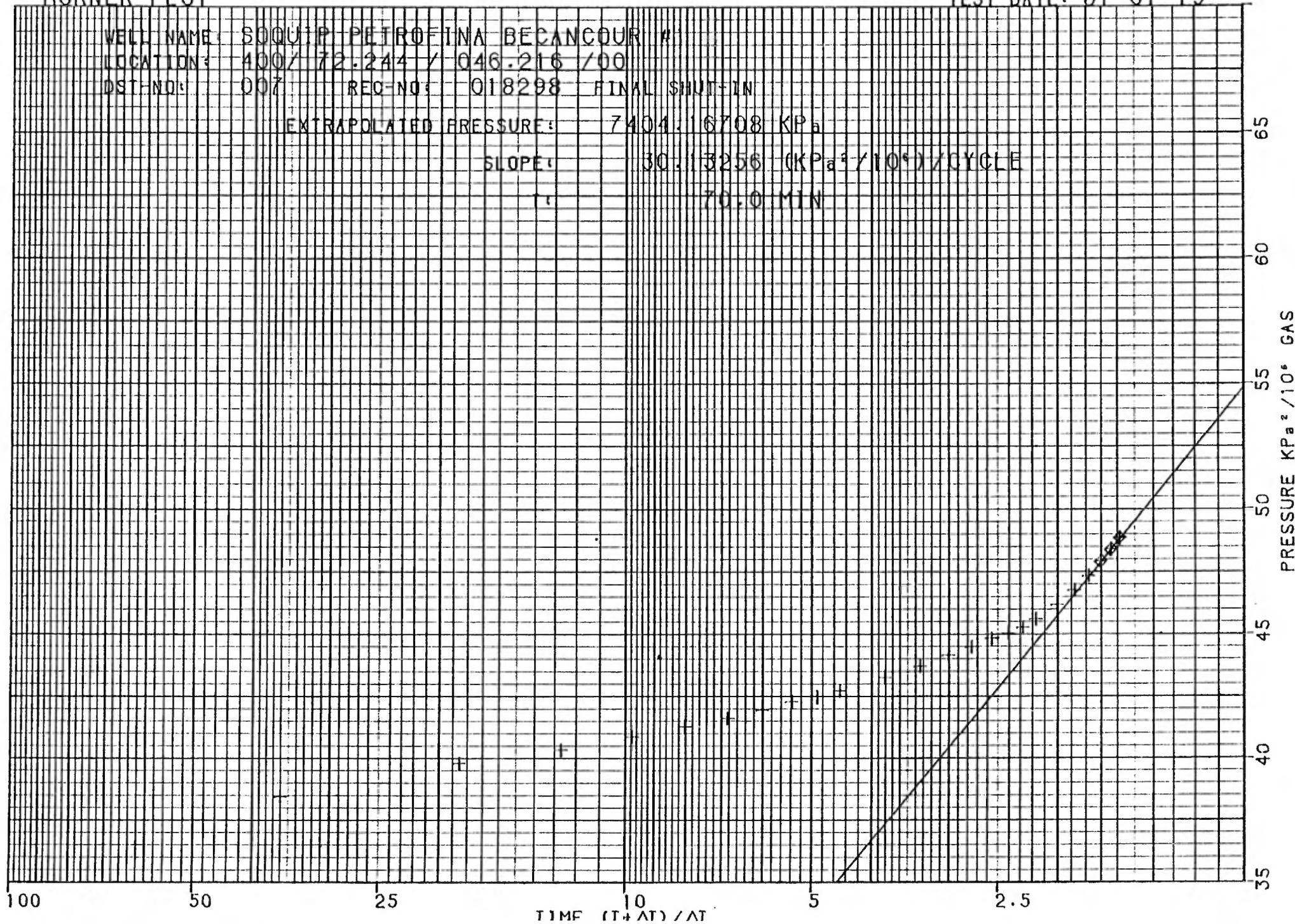
TEST DATE: 81 01 19

WELL NAME: SOQUIP PETROFINA BECANCOURI #  
 LOCATION: 400 / 72.244 / 046.216 / 00  
 DST-NO: 007 REC-NO: 018298 FINAL SHUT-IN

EXTRAPOLATED PRESSURE: 7404.16708 KPa

SLOPE: 30.13256 (KPa<sup>2</sup> / 10<sup>6</sup>) / CYCLE

t: 70.0 MIN



RECORDER PAGE

\*\*\*\*\*

WELL NAME : SOQUIP PETROFINA BECANOUR #1  
 LOCATION : 400/ 72.244 / 046.215 /00  
 DST NUMBER : 007

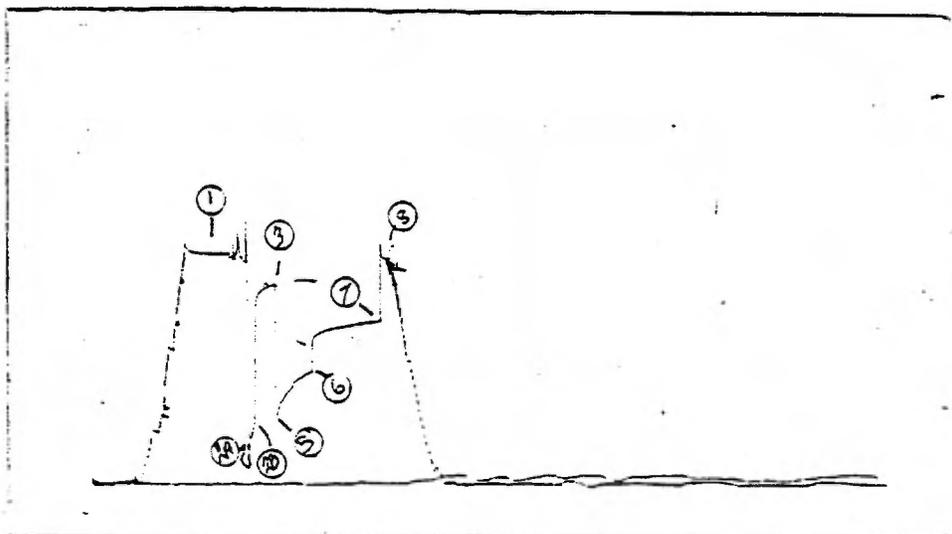
RECORDER NUMBER: 018298 TYPE: K-3  
 DEPTH : 796.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1044.00
INITIAL FLOW	10.	2685.00
INITIAL SHUTIN	30.	8509.00
		2958.00
FINAL FLOW	60.	4806.00
FINAL SHUTIN	120.	6987.00

INITIAL HYDROSTATIC: 9855.0

FINAL HYDROSTATIC: 9636.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.215 /00  
 DST NUMBER : 007

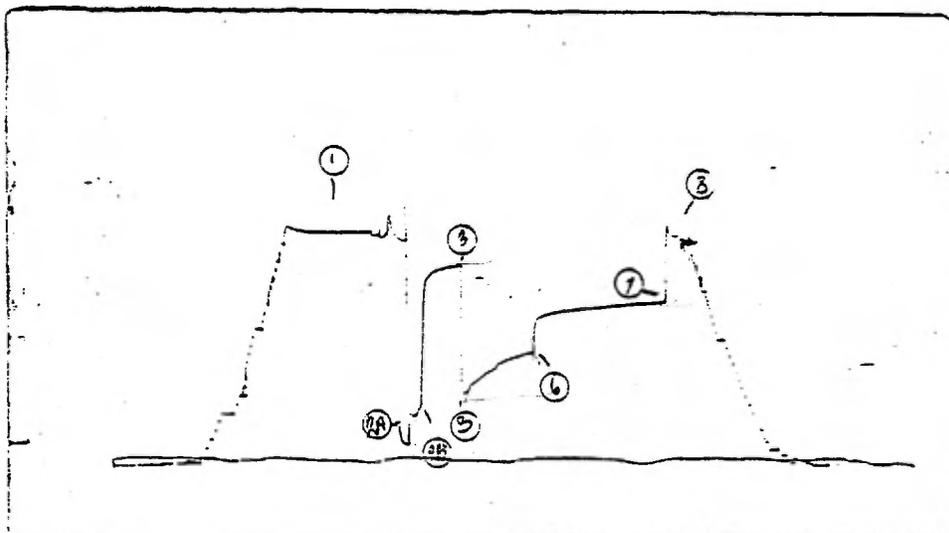
RECORDER NUMBER: 008884 TYPE: K-3  
 DEPTH : 796.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1228.00
INITIAL FLOW	10.	2829.00
INITIAL SHUTIN	30.	8699.00
		3347.00
FINAL FLOW	60.	5066.00
FINAL SHUTIN	120.	7177.00

INITIAL HYDROSTATIC: 10068.0

FINAL HYDROSTATIC: 9867.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 007

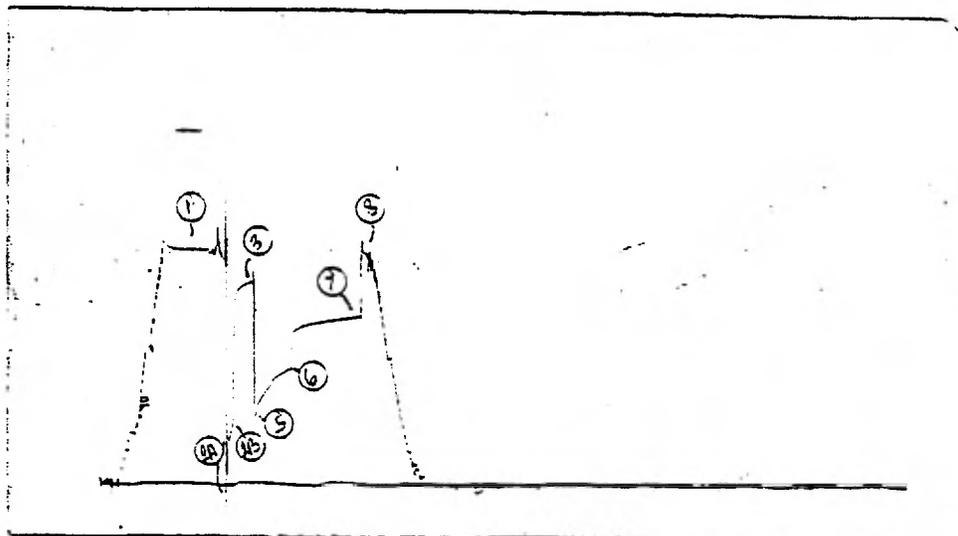
RECORDER NUMBER: 014103 TYPE: K-3  
 DEPTH : 789.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		1952.00
INITIAL FLOW	10.	2575.00
INITIAL SHUTIN	30.	8505.00
		2957.00
FINAL FLOW	60.	4910.00
FINAL SHUTIN	120.	7074.00

INITIAL HYDROSTATIC: 9838.0

FINAL HYDROSTATIC: 9667.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

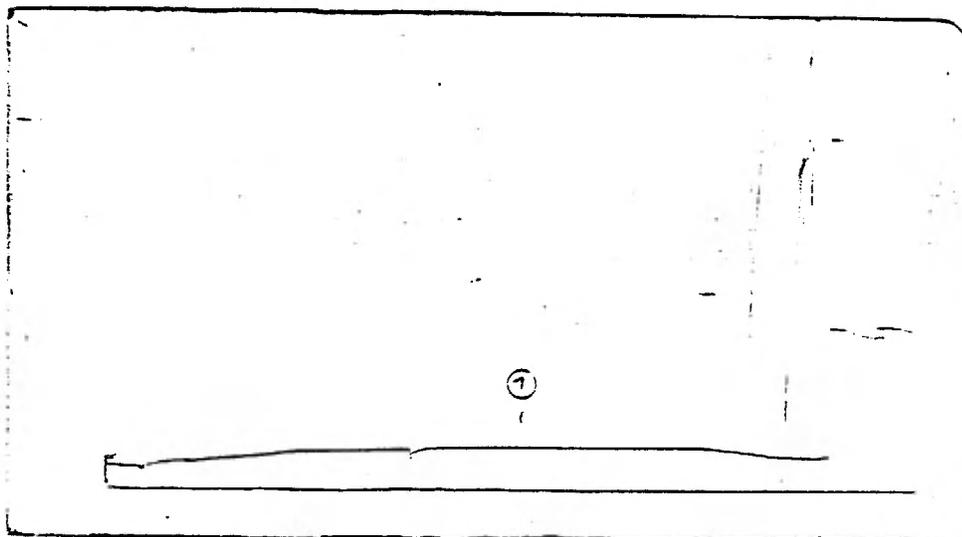
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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 007

RECORDER NUMBER: 012645 TYPE: K-3  
DEPTH : 796.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH

9.51 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 01 20

\*\*\*\*\*

Well name: SOQUIP PETROFINA BECANCOUR #1 Licence no. 46015  
 Location: 400/ 72.244 / 046.216 /00 Ticket no. 46021

DST number 008 LYNES test #8 Test number 1 of 1 (on same trip)  
 Test type: INFLATE STRADOLE

Kelly bushing (M): Ground elevation (M):  
 Interval from (M): 1094.00  
 to (M): 1101.00 Total depth (M): 1370.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #008884

\*\*\*\*\*

TIMES (min)	PRESSURES (kPa)	:	TIMES (min)	PRESSURES (kPa)
	455.0	:		355.0
1st flow	10.	:	2nd flow	60.
	328.0	:		373.0
1st shutin	30.	:	2nd shutin	120.
	2247.0	:		4085.0
3rd flow		:	4th flow	
3rd shutin		:	4th shutin	
Initial hydrostatic	13764.0	:	Final hydrostatic	13764.0

GENERAL REMARKS

\*\*\*\*\*

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. No gas to surface.

TEST RECOVERY DATA  
\*\*\*\*\*

Blow description:

\*\*\*\*\*

Very weak air blow slowly increasing to fair on preflow, no gas to surface.  
Leak air blow slowly increasing to fair on final flow, no gas to surface.

GAS MEASUREMENTS:  
\*\*\*\*\*

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS  
MEASUREMENTS

Liquid recovery:

\*\*\*\*\*

For DST# 8 through DST# 8

Amount (M) Of  
30.00 DRILLING FLUID.

Total recovery (M): 30.00

Reversed out: NO

Salinity (g/M3): 57100.

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples: 2

Sent to: SOQUIP

GENERAL DATA

\*\*\*\*\*

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1930 Hrs.

Opened tool at:

2255 Hrs.

MUD AND HOLE DATA

\*\*\*\*\*

Hole condition @ test time: FAIR

Conditioned prior to test: ?

Calipered hole size @ test depth (mm)

Mud type:

KCL

Mud weight (kg/M3):

1150.00

Viscosity (sec/l):

45.0

Water loss (cm3):

Filter cake (mm):

1.5

Reservoir temperature (C):

Recorder temperature (C):

11.7

Pipe size (mm)

Type

Weight (kg/M)

114.3

EXTRA HOLE

24.06

Collar size (mm)

Type

Int. diameter (mm)

Length (M)

171.0

H90

158.91

BTM choke size (mm):

25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm):

216.0

Total number of packers run: 2

Mailing Data

\*\*\*\*\*

Company:

SOQUIP

Address:

3340 DELA PERADE

SAINT FOY P.Q.

QUEBEC, CANADA

G1X 2N7

Reports sent to:

PIERRE HOULE

Number of Reports: 5

RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 008

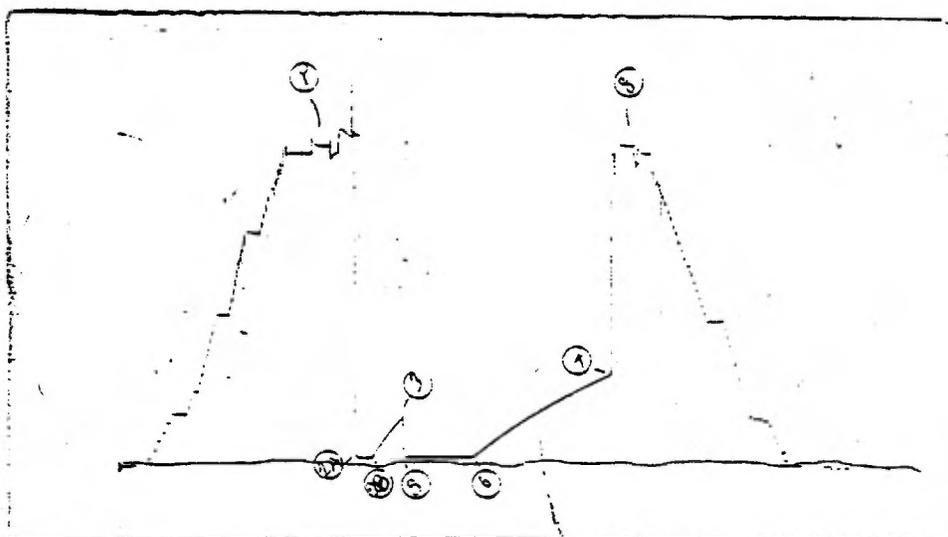
RECORDER NUMBER: 008884 TYPE: K3  
 DEPTH : 1095.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		455.00
INITIAL FLOW	10.	328.00
INITIAL SHUTIN	30.	2247.00
		355.00
FINAL FLOW	60.	373.00
FINAL SHUTIN	120.	4085.00

INITIAL HYDROSTATIC: 13764.0

FINAL HYDROSTATIC: 13764.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 DST NUMBER : 008

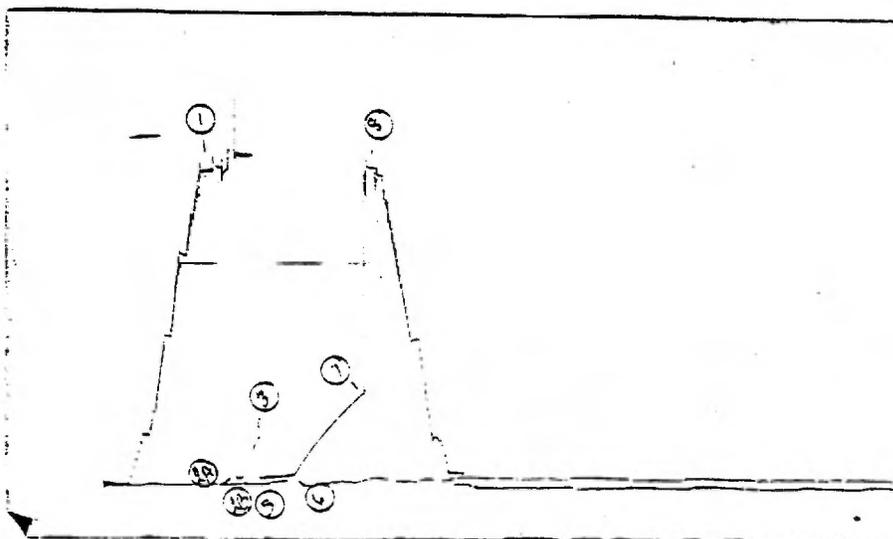
RECORDER NUMBER: 018298 TYPE: K3  
 DEPTH : 1095.00 m INSIDE/OUTSIDE: OUTSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		373.00
INITIAL FLOW	10.	348.00
INITIAL SHUTIN	30.	2180.00
		356.00
FINAL FLOW	60.	514.00
FINAL SHUTIN	120.	3984.00

INITIAL HYDROSTATIC: 13596.0

FINAL HYDROSTATIC: 13596.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
 LOCATION : 400/ 72.244 / 046.216 /00  
 CST NUMBER : 008

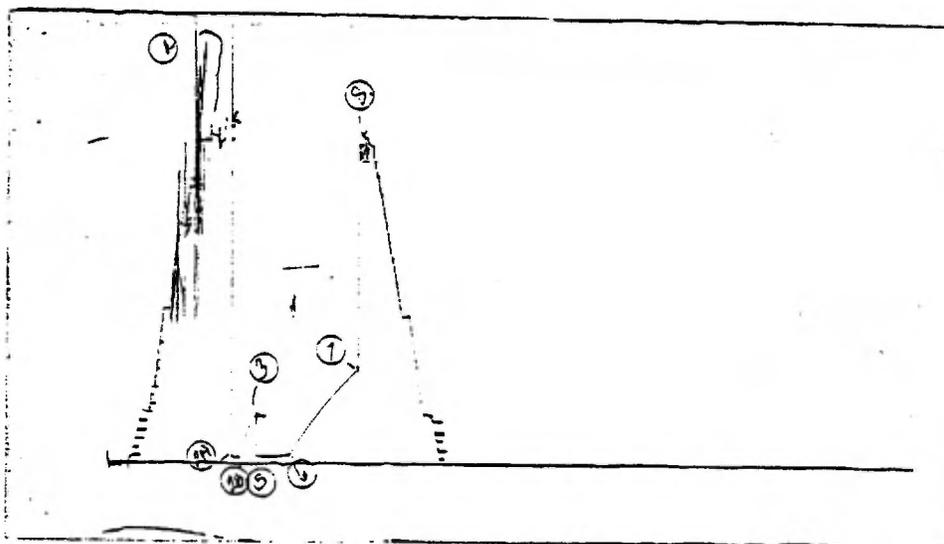
RECORDER NUMBER: 014103 TYPE: K3  
 DEPTH : 1088.00 m INSIDE/OUTSIDE: INSIDE  
 CAPACITY: 19995.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		332.00
INITIAL FLOW	10.	282.00
INITIAL SHUTIN	30.	2052.00
		357.00
FINAL FLOW	60.	407.00
FINAL SHUTIN	120.	3929.00

INITIAL HYDROSTATIC: 13555.0

FINAL HYDROSTATIC: 13555.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



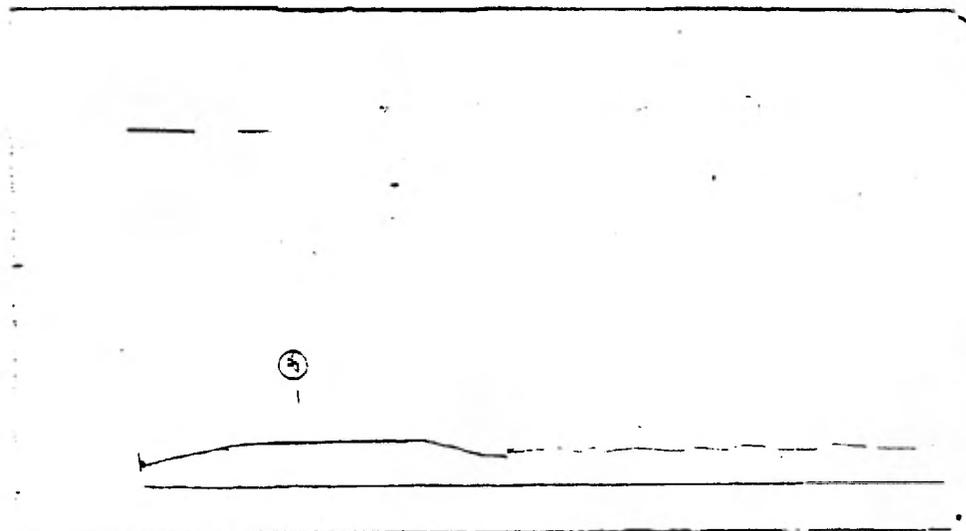
RECORDER PAGE

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WELL NAME : SOQUIP PETROFINA BECANCOUR #1  
LOCATION : 400/ 72.244 / 046.216 /00  
DST NUMBER : 008

RECORDER NUMBER: 012645 TYPE: K3  
DEPTH : 1095.00 m INSIDE/OUTSIDE: OUTSIDE  
TEMP. RANGE: .00 - 143.89 C

TEMPERATURE AT TEST DEPTH 11.66 C





Rig No. **6**

Well Name **Loguip Petrofina Becancourt #1**

Date **21 02 18** 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  
Derrick  
Motor  
Floor **K. TURRIE 10**  
Floor  
Lease  
Other  
Assistant Derrick

INJURIES - COMPLETE BELOW

TOUR ② 08:00 - 16:00 Hrs.

Driller **R. BÉRUBÉ 10**  
Derrick **L. TURRIE 10**  
Motor **A. HAMEL 10**  
Floor **R. TREPANIER 10**  
Floor **C. BÉRUBÉ 10**  
Lease  
Mechanic **C. Blanchette 10**  
Assistant Derrick

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00 Hrs.

Driller  
Derrick  
Motor  
Floor **T. TURRIE 8**  
Floor  
Lease  
Other  
Assistant Derrick

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED NO INJURY AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1).

Position	Tour #	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: Subject

Approved by Operator's Representative

Approved by Toolpusher

Given By: Subject

*Watch Rig boiler compound, Drawworks Thomson pumps etc.*

*help load guns*

*load guns & finish pulling out of hole install guns RTTS sliding sleeve & run in the hole set backer lay down hydrolyde install x mas trap & fine guns set float well throw spare line for welding shut in*

*Watch Rig & Boiler*

**Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Documentation Technique**

DATE: **29 SEP 1981**

No. G.M.: **37293**

*Jean Bureau  
 Gérard Duimet*

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl					
From	To	Metres	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)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit		Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						Q.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
Stands DC										
Singles DC										
Stands DP										
Singles DP										
Kelly Down										
Total										

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

BOPS	Tested	Checked	Open & Close	Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
Hydril	Minutes	Pressure kPa		To	K.B.Used	Sx	Fuel Rec'd Today	To / From	Trans #
Pipe Rams					Cem Plus	%	Total		
Blind Rams					Plug Down @	hrs	Fuel @ 23:59		
					m <sup>3</sup> Returns		Fuel Used		
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.	



Rig No. **6** Well Name **Logiq Petroline Becancourt #1**

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No.	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																					
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Watch Rig boiler  
Thompson pump  
etc

FLOW WELL ON  
ORIFICE PLATE  
RUN RECORDER &  
SHUT IN WELL AT  
1500 RDS FOR BUILD  
UP

Watch Rig & Boiler

Date	8/03/19	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			
Derrick			
Motor			
Floor	K. TURRIEF	8	
Floor			
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
Tour	②	08:00 - 16:00	Hrs.
Driller	R. BERUBE	9	
Derrick	L. TURRIEF	9	
Motor	A. HAMEL	9	
Floor	R. TREPANIER	9	
Floor	C. BERUBE	9	
Lease			
Mechanic			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
Tour	③	16:00 - 24:00	Hrs.
Driller			
Derrick			
Motor			
Floor	T. TURRIEF	8	
Floor			
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		Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			

Approved by Operator's Representative  
Jean Duchesneau  
Approved by Toolpusher  
Berard Quimet



Rig No. **6** Well Name **Soguis Petrofina Becancourt #1**

Pump No.	Type	Line Size mm	Stroke Length mm	Pump No.	Type	Line Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1				2								

*Watch Rig boiler etc.*

Date	Year	Month	Day	Rig No.
81	00	20	6	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	Start	End	Hrs.
TOUR ①	00:00	08:00	

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>						Hours Operated	1	
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	m	pH						Flow Rate L/min	4	
	m	Press kPa	Pump 1					Pressure kPa	5	
	m		Pump 2						6	
	m	S.P.M.	Pump 1							
	m		Pump 2							
Stands DC	m									
Singles DC	m									
Stands DP	m									
Singles DP	m									
Kelly Down	m									
Total	m									

*Pull out recorder 7:00:  
 Full open RTTS circulating  
 valve with tubing before  
 circ. ahead of annulus  
 well. pull out of hole  
 set hydrill before lay down  
 gum RTTS packing  
 (bit) after 10 stand well  
 start blowing thru tubing  
 circ. put gum gun 15 more  
 stand well blowing in annulus  
 & tubing.*

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	

Position	Tour #	Signature	Hrs.
Driller		R. BERUBE	17
Derrick		L. TURRIE	17
Motor		A. HAMEL	17
Floor		R. TREPANIER	17
Floor		C. BERUBE	17
Lease			
Mechanic		C. BLANCHETTE	10
Assistant Derrick			

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>						Hours Operated	1	
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	m		Pump 2							
Stands DC	m									
Singles DC	m									
Stands DP	m									
Singles DP	m									
Kelly Down	m									
Total	m									

*Circulate out bubble  
 & kill well.  
 Run in the hole on top  
 off permealack spacer  
 off install down rod  
 close hydrill stopping  
 valves for the rest of  
 night*

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	

Position	Tour #	Signature	Hrs.
Floor		R. LAROCHELLE	8

BOPS	Tested	Checked	Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)
Hydril	Minutes	Pressure kPa	Open & Close	To	K.B.Used	Sx	Fuel Rec'd Today
Pipe Rams					Cem Plus	%	Total
Blind Rams					Plug Down @	hrs	Fuel @ 23:59
					m <sup>3</sup> Returns		Fuel Used
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals
							Total on Loc.
							O.D. mm
							Drill Collars on Loc.
							No.
							O.D. mm
							No.

Approved by Operator's Representative  
*Jean Baudouin*  
 Approved by Toolpusher  
*Sergeant Dimeet*

Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
Safety Talks			
Given By:			
Subject			
Given By:			
Subject			





Rig No. **6** Well Name **Sogrip Petrofina Becancourt #1**

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No.	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																																		
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*Watch boiler & rig compound draw off by Thompson pump etc*

*Pull out the recorder with wire line. Set plug in permalach packer. Blew off tubing packer. Permalach packer in well. Devised circulate thru annulus & get them weight to 1040 kgm (lay south) & Mas: treepud hydrill. Pull 30' off & fill casing. Close hydrill & stablign valve.*

*Watch boiler & rig compound draw off by Thompson pump etc*

Date	81	02	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					
Derrick					
Motor					
Floor	<b>R. TOUSIGNANT 8</b>				
Lease					
Other					
Assistant Derrick					
INJURIES - COMPLETE BELOW					
Tour	2	08:00	16:00	Hrs.	
Driller	<b>J.M. BELANGER 10</b>				
Derrick	<b>T. TURRIE 10</b>				
Motor	<b>B. LAROCHELLE 10</b>				
Floor	<b>K. TURRIE 10</b>				
Floor	<b>N. LAUZE 10</b>				
Lease					
Mechanic	<b>C. BLANCHETTE 10</b>				
Assistant Derrick					
INJURIES - COMPLETE BELOW					
Tour	3	16:00	24:00	Hrs.	
Driller					
Derrick					
Motor					
Floor	<b>J. DUBEAU 8</b>				
Floor					
Lease					
Other					
Assistant Derrick					
INJURIES - COMPLETE BELOW					
I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED NO 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					

*Jean Bouchard*  
*Gerard Crimmet*



Rig No. **6**  
 Well Name **Sogrip Bearcove #1**  
*Petrofina*

Pump No. 1	Type	Line Size mm	Stroke Length mm	Pump No. 2	Type	Line Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
<p><i>Watch boiler &amp; rig compound drawworks Thompson pumps etc</i></p>												
<p><i>Run in the hole with pressure recorder with 24 hrs clock</i></p>												
<p><i>Open well at flare line let it flow on surface plates for 5 hrs</i></p>												
<p><i>Shut in for build up</i></p>												
<p><i>Watch boiler, rig</i></p>												

Date	81	02	16	Rig No.	6
<p>I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!</p> <p>(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.</p>					
Tour	①	00:00 - 08:00	Hrs.		
Driller					
Derrick					
Motor					
Floor	<i>R. TOUSIGNANT 8</i>				
Floor					
Lease					
Other					
Assistant Derrick					
INJURIES - COMPLETE BELOW					
Tour	②	08:00 - 16:00	Hrs.		
Driller	<i>J.M. BELANGER 9</i>				
Derrick	<i>T. TURRIE 9</i>				
Motor	<i>R. LAROCHELLE 9</i>				
Floor	<i>K. TURRIE 9</i>				
Floor	<i>N. LAUZE 9</i>				
Lease					
Mechanic	<i>C. BLANCHETTE 8</i>				
Assistant Derrick					
INJURIES - COMPLETE BELOW					
Tour	③	16:00 - 24:00	Hrs.		
Driller					
Derrick					
Motor					
Floor	<i>J. DUBEAU 8</i>				
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	Hour	Signature	Hrs.		
Toolpusher's Approval					
SAFETY TALKS					
Given By:					
Subject					
Given By:					
Subject					



Rig No. **6**

Well Name *Sigup Petrofina Beacourt #1*

Date **81 02 15** Rig No. **6**  
 Year Month Day

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location
From	To	Metres	MUD		Desilter / Desander		Motor Hours	Next Oil Change
No.	Drilling Assembly (At End of Tour)				Desilter / Desander		Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>	00:00	02:00	04:00	06:00	Additives in kg	Hours Operated
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>
	m	pH						Flow Rate L/min
	m	Press kPa	Pump 1	Remarks				Pressure kPa
	m		Pump 2					
	m	S.P.M.	Pump 1					
	m		Pump 2					
Stands DC	m	Depth m	Depth m					
Singles DC	m							
Singles DP	m							
Kelly Down	m							
Total	m							

*Watch Rig boiler compound drawworks Thompson pump etc*

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			
Derrick			
Motor			
Floor	<i>R. TOUSIGNANT</i>	8	
Floor			
Lease			
Other			
Assistant Derrick			

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
From	To	Metres	MUD		Desilter / Desander		Motor Hours	Next Oil Change				
No.	Drilling Assembly (At End of Tour)				Desilter / Desander		Motor Hours	Next Oil Change				
Bit	m	Density kg/m <sup>3</sup>	08:00	10:00	12:00	14:00	Additives in kg	Hours Operated				
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>				
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>				
	m	pH						Flow Rate L/min				
	m	Press kPa	Pump 1	Remarks				Pressure kPa				
	m		Pump 2									
	m	S.P.M.	Pump 1									
	m		Pump 2									
Stands DC	m	Depth m	Depth m									
Singles DC	m											
Singles DP	m											
Kelly Down	m											
Total	m											

*Open well for cleaning take gas reading shut off well at 16:20 gas for build up*

INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00	Hrs.	
Driller	<i>J. M. BELANGER</i>	9	
Derrick	<i>T. TURRIFF</i>	9	
Motor	<i>R. LAROCHELLE</i>	9	
Floor	<i>T. TURRIFF</i>	9	
Floor	<i>N. LAUZE</i>	9	
Lease			
Mechanic	<i>C. BLANCHETTE</i>	9	
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller			
Derrick			
Motor			
Floor	<i>J. DUBEAU</i>	8	
Floor			
Lease			
Other			
Assistant Derrick			

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
From	To	Metres	MUD		Desilter / Desander		Motor Hours	Next Oil Change				
No.	Drilling Assembly (At End of Tour)				Desilter / Desander		Motor Hours	Next Oil Change				
Bit	m	Density kg/m <sup>3</sup>	16:00	18:00	20:00	22:00	Additives in kg	Hours Operated				
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>				
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>				
	m	pH						Flow Rate L/min				
	m	Press kPa	Pump 1	Remarks				Pressure kPa				
	m		Pump 2									
	m	S.P.M.	Pump 1									
	m		Pump 2									
Stands DC	m	Depth m	Depth m									
Singles DC	m											
Singles DP	m											
Kelly Down	m											
Total	m											

*Watch Boiler Rig compound drawworks Thompson pump etc*

INJURIES - COMPLETE BELOW			
I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY 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	CSN	Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
Hydril	Minutes	Pressure kPa	Open & Close	To	K.B. Used	Sx	Fuel Rec'd Today	To / From	Trans #
Pipe Rams					Cem Plus	%	Total		
Blind Rams					Plug Down @	hrs	Fuel @ 23:59		
					m <sup>3</sup> Returns		Fuel Used		
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.

*Jean Boudreau*  
*Gerard Guimet*



Rig No. **6**

Well Name *Sagrip Petrofina Becancourt #1*

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	
From	To	Metres											
No.	Drilling Assembly (At End of Tour)												
Bit													
	MUD	00:00	02:00	04:00	06:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
	Density kg/m <sup>3</sup>					Hours Operated		1					
	Viscosity s/L					U.F. Density kg/m <sup>3</sup>		2					
	Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>		3					
	pH					Flow Rate L/min		4					
	Press kPa	Pump 1					Pressure kPa		5				
		Pump 2							6				
	S.P.M.	Pump 1											
		Pump 2											
Stands DC													
Singles DC													
Stands DP													
Singles DP													
Kelly Down													
Total													

*Watch boilers rig Drawworks Compounds Motors Thompson pumps etc*

Date	81	02	14	Rig No.	6
Year		Month	Day		
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					
Derrick					
Motor					
Floor	<i>K. TURRIEF 8</i>				
Floor					
Lease					
Other					
Assistant Derrick					

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres											
No.	Drilling Assembly (At End of Tour)												
Bit													
	MUD	08:00	10:00	12:00	14:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
	Density kg/m <sup>3</sup>					Hours Operated		1					
	Viscosity s/L					U.F. Density kg/m <sup>3</sup>		2					
	Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>		3					
	pH					Flow Rate L/min		4					
	Press kPa	Pump 1					Pressure kPa		5				
		Pump 2							6				
	S.P.M.	Pump 1											
		Pump 2											
Stands DC													
Singles DC													
Stands DP													
Singles DP													
Kelly Down													
Total													

*Finish rigging up Halliburton pressure test surface equipment to 5500 psi. Frag with foam & sand & tear out Halliburton equipment & take out the spacers. Open well for cleaning 18:00*

TOUR ②	08:00 - 16:00	Hrs.			
Driller	<i>J. M. BELANGER 9</i>				
Derrick	<i>T. TURRIEF 9</i>				
Motor	<i>R. LAROCHELLE 9</i>				
Floor	<i>N. LAUZE 9</i>				
Floor	<i>R. TOUSIGNANT 9</i>				
Lease					
Mechanic	<i>C. BLANCHETTE 9</i>				
Assistant Derrick					
INJURIES - COMPLETE BELOW					
TOUR ③	16:00 - 24:00	Hrs.			
Driller					
Derrick					
Motor					
Floor	<i>J. DU BEAU 8</i>				
Floor					
Lease					
Other					
Assistant Derrick					

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres											
No.	Drilling Assembly (At End of Tour)												
Bit													
	MUD	16:00	18:00	20:00	22:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
	Density kg/m <sup>3</sup>					Hours Operated		1					
	Viscosity s/L					U.F. Density kg/m <sup>3</sup>		2					
	Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>		3					
	pH					Flow Rate L/min		4					
	Press kPa	Pump 1					Pressure kPa		5				
		Pump 2							6				
	S.P.M.	Pump 1											
		Pump 2											
Stands DC													
Singles DC													
Stands DP													
Singles DP													
Kelly Down													
Total													

*Watch Boilers rig Compounds Drawworks Motors Thompson pumps etc*

INJURIES - COMPLETE BELOW					
I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED NO INJURY AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)					
Position	Tour #	Signature	Hrs.		
Toolpusher's Approval					
SAFETY TALKS					
Given By:					
Subject					
Given By:					
Subject					

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
BOPS												
Tested	Minutes	Pressure kPa	Checked	Open & Close	C A S I N G			Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)
Hydri					To	K.B.Used	Sx	Fuel Rec'd Today	To / From	Trans #	Approved by Operator's Representative	
Pipe Rams						Cem Plus	%	Total			Approved by Toolpusher	
Blind Rams						Plug Down @	hrs	Fuel @ 23:59			<i>Green Blanchard</i>	
						m <sup>3</sup> Returns		Fuel Used			<i>Gerard O'Connell</i>	
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc	O.D. mm	No.	O.D. mm	No.



Rig No. **6**

Well Name **Sogrip Petrofina Beacour #1**

Date **81 02 13** Rig No. **6**

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location		
From	To	Metres	B.T.S.							
No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit		Density kg/m <sup>3</sup>					Hours Operated	1		
		Viscosity s/L					U.F. Density kg/m <sup>3</sup>	2		
		Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>	3		
		pH					Flow Rate L/min	4		
		Press kPa	Pump 1				Pressure kPa	5		
			Pump 2					6		
		S.P.M.	Pump 1							
			Pump 2							
Stands DC		S.P.M.								
Singles DC		Depth m		Depth m						
Singles DP										
Singles DP										
Kelly Down										
Total										

*Watch boiler rig  
Drawworks Compounds  
Motors Thompson  
pumps etc*

Force of String daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres	B.T.S.									
No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change		
Bit		Density kg/m <sup>3</sup>					Hours Operated	1				
		Viscosity s/L					U.F. Density kg/m <sup>3</sup>	2				
		Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>	3				
		pH					Flow Rate L/min	4				
		Press kPa	Pump 1				Pressure kPa	5				
			Pump 2					6				
		S.P.M.	Pump 1									
			Pump 2									
Stands DC		S.P.M.										
Singles DC		Depth m		Depth m								
Singles DP												
Singles DP												
Kelly Down												
Total												

*Bull out recorders  
Big up frac unit  
& spuds for  
Hullburton truck*

Force of String daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres	B.T.S.									
No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change		
Bit		Density kg/m <sup>3</sup>					Hours Operated	1				
		Viscosity s/L					U.F. Density kg/m <sup>3</sup>	2				
		Filtrate cm <sup>3</sup>					O.F. Density kg/m <sup>3</sup>	3				
		pH					Flow Rate L/min	4				
		Press kPa	Pump 1				Pressure kPa	5				
			Pump 2					6				
		S.P.M.	Pump 1									
			Pump 2									
Stands DC		S.P.M.										
Singles DC		Depth m		Depth m								
Singles DP												
Singles DP												
Kelly Down												
Total												

*Watch boiler rig  
Compounds Drawworks  
motors Thompson  
pumps etc*

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	Start	End	Hrs.
TOUR ①	00:00	08:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic			
Assistant Derrick			

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

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.

BOPS	Tested		Checked		C.A.S.I.N.G.	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
	Minutes	Pressure kPa	Open & Close					
Hydril								
Pipe Rams								
Blind Rams								
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc

Approved by Operator's Representative  
*Glen Boudreau*  
Approved by Toolpusher  
*Gerard Quimet*



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

Rig No. **6**

Well Name

*Sequip Petrofina Becancour #1*

18823

Date **81 02 12** Rig No. **6**

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location				
From	To	Metres	BITS									
No.	Drilling Assembly (At End of Tour)			MUD			Desilter / Desander		Motor Hours	Next Oil Change		
Bit	m	Density kg/m <sup>3</sup>	00:00	02:00	04:00	06:00	Additives in kg	Hours Operated	1			
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2			
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3			
	m	pH						Flow Rate L/min	4			
	m	Press kPa	Pump 1	Remarks							Pressure kPa	5
	m		Pump 2									6
	m	S.P.M.	Pump 1									
	m		Pump 2									
Stands DC	m	S	Depth m		Depth m							
Singles DC	m											
Stands DP	m											
Singles DP	m											
Kelly Down	m											
Total	m											

*Watch boiler rig  
Drigworks compounds  
motors Thompson pumps  
etc*

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		
Derrick		
Motor		
Floor	<i>K. TURRIFF</i>	<i>8</i>
Floor		
Lease		
Other		
Assistant Derrick		

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
From	To	Metres	BITS									
No.	Drilling Assembly (At End of Tour)			MUD			Desilter / Desander		Motor Hours	Next Oil Change		
Bit	m	Density kg/m <sup>3</sup>	08:00	10:00	12:00	14:00	Additives in kg	Hours Operated	1			
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2			
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3			
	m	pH						Flow Rate L/min	4			
	m	Press kPa	Pump 1	Remarks							Pressure kPa	5
	m		Pump 2									6
	m	S.P.M.	Pump 1									
	m		Pump 2									
Stands DC	m	S	Depth m		Depth m							
Singles DC	m											
Stands DP	m											
Singles DP	m											
Kelly Down	m											
Total	m											

*Well shuts in  
start to rig haliburton  
unit prior to frac  
unlock guns  
turn recorder*

7:00  
1700 10

INJURIES - COMPLETE BELOW

TOUR ②	08:00 - 18:00	Hrs.
Driller	<i>J. M. BELANGER</i>	<i>10</i>
Derrick	<i>T. TURRIFF</i>	<i>10</i>
Motor	<i>R. LAROCHELLE</i>	<i>10</i>
Floor	<i>N. LAUZE</i>	<i>10</i>
Floor	<i>R. TOUSIGNANT</i>	<i>10</i>
Lease		
Mechanic	<i>C. BLANCHETTE</i>	<i>10</i>
Assistant Derrick		

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
From	To	Metres	BITS									
No.	Drilling Assembly (At End of Tour)			MUD			Desilter / Desander		Motor Hours	Next Oil Change		
Bit	m	Density kg/m <sup>3</sup>	16:00	18:00	20:00	22:00	Additives in kg	Hours Operated	1			
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2			
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3			
	m	pH						Flow Rate L/min	4			
	m	Press kPa	Pump 1	Remarks							Pressure kPa	5
	m		Pump 2									6
	m	S.P.M.	Pump 1									
	m		Pump 2									
Stands DC	m	S	Depth m		Depth m							
Singles DC	m											
Stands DP	m											
Singles DP	m											
Kelly Down	m											
Total	m											

*Watch boiler & rig  
Compounds & Drigworks  
motors Thompson pumps  
etc*

INJURIES - COMPLETE BELOW

TOUR ③	16:00 - 24:00	Hrs.
Driller		
Derrick		
Motor		
Floor	<i>J. DUBEAU</i>	<i>8</i>
Floor		
Lease		
Other		
Assistant Derrick		

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.

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads								
BOPS			Tested		Checked		Casing		JTS		CSG		Fuel @ 00:00		Equipment Transfers (Including Rental)		Approved by Operator Representative			
Hydri			Minutes	Pressure kPa	Open & Close	To		K.B. Used		Sx	Fuel Rec'd Today		To / From		Trans #		Approved by Toolpusher			
Pipe Rams							Cem Plus		%	Total								Approved by Toolpusher		
Blind Rams							Plug Down @		hrs	Fuel @ 23:59								Approved by Toolpusher		
Drill Pipe Record			Size mm	Grade	Phenomen	# 2	# 3	m <sup>3</sup> Returns		Fuel Used								Approved by Toolpusher		
							Other - Specify		Totals		Total on Loc.								Approved by Toolpusher	
													O.D. mm		Drill Collars on Loc.				Approved by Toolpusher	
															No.		O.D. mm		No.	

*Jean Bourgeois*  
*Gerard Guinet*



Rig No. **6** Well Name **Sogrip Petrofina Becancow #1**

Pump No.	Type	Linear Size mm	Stroke Length mm	Pump No.	Type	Linear Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	
1	B			2	B								
From	To	Metres											
No.	Drilling Assembly (At End of Tour)			MUD				Additives in kg		Desilter / Desander		Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>	00:00	02:00	04:00	06:00		Hours Operated	1				
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2				
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3				
	m	pH						Flow Rate L/min	4				
	m	Press kPa	Pump 1					Pressure kPa	5				
	m		Pump 2						6				
	m	S.P.M.	Pump 1					Remarks					
	m		Pump 2										
Stands DC	m												
Singles DC	m												
Stands DP	m												
Singles DP	m												
Kelly Down	m												
Total	m												
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres											
No.	Drilling Assembly (At End of Tour)			MUD				Additives in kg		Desilter / Desander		Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>	08:00	10:00	12:00	14:00		Hours Operated	1				
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2				
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3				
	m	pH						Flow Rate L/min	4				
	m	Press kPa	Pump 1					Pressure kPa	5				
	m		Pump 2						6				
	m	S.P.M.	Pump 1					Remarks					
	m		Pump 2										
Stands DC	m												
Singles DC	m												
Stands DP	m												
Singles DP	m												
Kelly Down	m												
Total	m												
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres											
No.	Drilling Assembly (At End of Tour)			MUD				Additives in kg		Desilter / Desander		Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>	16:00	18:00	20:00	22:00		Hours Operated	1				
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2				
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3				
	m	pH						Flow Rate L/min	4				
	m	Press kPa	Pump 1					Pressure kPa	5				
	m		Pump 2						6				
	m	S.P.M.	Pump 1					Remarks					
	m		Pump 2										
Stands DC	m												
Singles DC	m												
Stands DP	m												
Singles DP	m												
Kelly Down	m												
Total	m												
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	
From	To	Metres											

*Watch boiler rig  
Drawworks compounds  
Motors Thompson  
pumps etc*

*Pull out off hole 7:00  
rig up guides  
PLG packer sliding sleeve  
& run in the hole  
to set packer & perforate*

*Watch boiler & rig  
Compounds Drawworks  
motors Thompson  
pumps etc.*

Date	81 02 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			
Derrick			
Motor			
Floor	K. TURRIE	8	
Floor			
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00	Hrs.	
Driller	J.M. BELANGER	10	
Derrick	T. TURRIE	10	
Motor	B. LAROCHELLE	10	
Floor	R. TOUSIGNANT	10	
Floor	N. LAUZE	10	
Lease			
Mechanic	C. BLANCHETTE	10	
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller			
Derrick			
Motor			
Floor	J. Dubeau	8	
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	Signature	Hrs.	
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			

Approved by Operator's Representative  
*Ren Dubeau*  
Approved by Toolpusher  
*Serard Dimech*



CONTRACTOR

# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No. **6**

Well Name **Sogip Petropina Becanowoff 1**

18821

Date **81 02 10** Rig No. **6**

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location									
From	To	Metres	No	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G

Report Number	Start	Time Stop	Intvl
<i>Watch rig &amp; boiler compound &amp; drawworks motors Thompson pumps etc</i>	:	:	:

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			
Derrick			
Motor			
Floor	<b>K. TURRIFF 8</b>		
Floor			
Lease			
Other			
Assistant Derrick			

Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	pH						Flow Rate L/min	4	
	Press kPa	Pump 1					Pressure kPa	5	
		Pump 2						6	
	S.P.M.	Pump 1					Remarks		
		Pump 2							
Stands DC	Depth m								
Singles DC	Depth m								
Stands DP									
Singles DP									
Kelly Down									
Total									

Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

*Pull out of hole 7:00  
lay down gln RTTS  
Packer slitting sleeve  
& run with dry drill  
bridge plugs to 1300 M.  
Set plug pressure to 9000 KPA  
for 5 min. Okay, start  
pump & circ Calcium  
to 4400 DE mud  
weight to 1220  
lay down hyd drill  
& install flow nipple  
& pull out 39 stands : 15:00 10*

INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00	Hrs.	
Driller	<b>M. JACQUES 10</b>		
Derrick	<b>J. DUBEAU 10</b>		
Motor	<b>A. CARON 10</b>		
Floor	<b>M. CHARLAND 10</b>		
Floor	<b>S. BERUBE 10</b>		
Lease			
Mechanic	<b>C. BLANCHET 10</b>		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller			
Derrick			
Motor			
Floor	<b>R. TOUSIGNANT 8</b>		
Floor			
Lease			
Other			
Assistant Derrick			

Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	pH						Flow Rate L/min	4	
	Press kPa	Pump 1					Pressure kPa	5	
		Pump 2						6	
	S.P.M.	Pump 1					Remarks		
		Pump 2							
Stands DC	Depth m								
Singles DC	Depth m								
Stands DP									
Singles DP									
Kelly Down									
Total									

Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

*Watch Boiler & rig compound & drawworks motors Thompson pumps etc.*

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	Signature	Hrs.	
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			

BOPS	Tested		Checked		C.A.S.N.G.	Ran To	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative	
	Minutes	Pressure kPa	Open & Close									
Hydri											<i>Jean Boydegnout Bernard Armet</i>	
Pipe Rams												
Blind Rams												
Drill Pipe Record	Size mm	Grade	Phosium	# 2	# 3	Other - Specify	Totals	Total on Loc.	O.D. mm	No.	O.D. mm	No.

Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature



CONTRACTOR

# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

Rig No. **6**

Well Name *Sogrip Petrofina Becancow #1*

18820

Date **81 02 09 6**  
Year Month Day

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location						
From	To	Metres												
No.	Drilling Assembly (At End of Tour)			MUD			Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
Bit	m	Density kg/m <sup>3</sup>	00:00	02:00	04:00	06:00			Hours Operated		1			
	m	Viscosity s/L							U.F. Density kg/m <sup>3</sup>		2			
	m	Filtrate cm <sup>3</sup>							Q.F. Density kg/m <sup>3</sup>		3			
	m	pH							Flow Rate L/min		4			
	m	Press kPa	Pump 1						Pressure kPa		5			
	m		Pump 2								6			
	m	S.P.M.	Pump 1						Remarks					
	m		Pump 2											
Stands DC	m	Depth m												
Singles DC	m													
Stands DP	m													
Singles DP	m													
Kelly Down	m													
Total	m													
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads		

*Watch boiler  
Thompson pumps  
Dynamometers  
etc*

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			
Derrick			
Motor			
Floor	<b>K. TURRIFF</b>	<b>8</b>	
Floor			
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00	Hrs.	
Driller	<b>M. JACQUES</b>	<b>10</b>	
Derrick	<b>J. DUBEAU</b>	<b>10</b>	
Motor	<b>A. CARON</b>	<b>10</b>	
Floor	<b>M. CHARLAND</b>	<b>10</b>	
Floor	<b>S. BERUBE</b>	<b>10</b>	
Lease			
Mechanic	<b>C. BLANCHET</b>	<b>10</b>	
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller			
Derrick			
Motor			
Floor	<b>R. TOUSIGNANT</b>	<b>8</b>	
Floor			
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 I)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location						
From	To	Metres												
No.	Drilling Assembly (At End of Tour)			MUD			Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
Bit	m	Density kg/m <sup>3</sup>	08:00	10:00	12:00	14:00			Hours Operated		1			
	m	Viscosity s/L							U.F. Density kg/m <sup>3</sup>		2			
	m	Filtrate cm <sup>3</sup>							Q.F. Density kg/m <sup>3</sup>		3			
	m	pH							Flow Rate L/min		4			
	m	Press kPa	Pump 1						Pressure kPa		5			
	m		Pump 2								6			
	m	S.P.M.	Pump 1						Remarks					
	m		Pump 2											
Stands DC	m	Depth m												
Singles DC	m													
Stands DP	m													
Singles DP	m													
Kelly Down	m													
Total	m													
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads		

*OPEN WELL AT FLARE  
LINE RIG UP SWABBING  
UNIT & SWAB  
FILL TUBING UNSET  
RTTS CIRC THROUGH  
ANNULUS & KILL THE  
WELL. RAY DOWN XMAS  
TREE & PICK UP HYDRIL  
& CHECK HYDRIL OKAY  
PULL OUT TEN STANDS  
& KILL HOLE CLOSE HYDRIL  
& INSTALL STABBING  
VALVE*

INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller			
Derrick			
Motor			
Floor	<b>R. TOUSIGNANT</b>	<b>8</b>	
Floor			
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 I)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location						
From	To	Metres												
No.	Drilling Assembly (At End of Tour)			MUD			Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change	
Bit	m	Density kg/m <sup>3</sup>	16:00	18:00	20:00	22:00			Hours Operated		1			
	m	Viscosity s/L							U.F. Density kg/m <sup>3</sup>		2			
	m	Filtrate cm <sup>3</sup>							Q.F. Density kg/m <sup>3</sup>		3			
	m	pH							Flow Rate L/min		4			
	m	Press kPa	Pump 1						Pressure kPa		5			
	m		Pump 2								6			
	m	S.P.M.	Pump 1						Remarks					
	m		Pump 2											
Stands DC	m	Depth m												
Singles DC	m													
Stands DP	m													
Singles DP	m													
Kelly Down	m													
Total	m													
Force of String	daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads		

*Watch boiler  
Thompson pumps  
Dynamometers  
etc*

INJURIES - COMPLETE BELOW			
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Given By:			
Subject			
Given By:			
Subject			

BOPS	Minutes	Pressure kPa	Checked	Open & Close	Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
Hydril					To	K.B.Used	Sx	Fuel Rec'd Today	To / From	Trans #
Pipe Rams						Cem Plus	%	Total		
Blind Rams						Plug Down @	hrs	Fuel @ 23:59		
						m <sup>3</sup> Returns		Fuel Used		
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify		Totals	Total on Loc.	
								O.D. mm	Drill Collars on Loc.	No.
									O.D. mm	No.

*Approved by Operator's Representative  
Gerard Duimet*

INJURIES - COMPLETE BELOW			
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SAFETY TALKS			
Given By:			
Subject			
Given By:			
Subject			



*Sogrip Petrofina Becancour #1*

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																					
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*Watch boiler  
Circ Thompson  
Drawworks & motors  
etc*

*Run in the hole  
with guns RTTS  
packers sliding sleeves  
Run in Double Measure  
Run log to prior to  
set packers  
Laid down flow nipple  
& pick up Xmas tree  
log with set packer  
Retrieve prop & plug  
in rig up choke &  
flange line, Drop bar to  
shoot the gun*

*Watch boiler  
Circ Thompson  
Drawworks & motors  
etc*

Date	81	02	08	Rig No.	6																																																																																																																
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# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

Rig No. *Rig 6*

Well Name *Sogrip Petrofina Bearcourt #1*

18818

Rig No. *6*

Date *81 02 07*  
Year Month Day

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																					
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pump etc  
R. LAROCHELLE  
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*Pull out of hole 7:00  
& lay down 1/2 blast  
tubbing  
Take out flow nipple  
install X Mas tool  
& (Pressure) test casing  
to 10,000 kPa for 15 min.  
Blew off pressure  
& rig up loggers  
& log*

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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	Start	End	Driller	Hrs.
TOUR ①	00:00	08:00	A. HAMEL	7
			R. LAROCHELLE	7
TOUR ②	08:00	16:00	M. JACQUES	10
			J. DUBEAU	10
			A. CARON	10
			A. HAMEL	10
			M. CHARLAND	10
TOUR ③	16:00	24:00	S. BÉRUBÉ	8

SAFETY TALKS

Given By: \_\_\_\_\_  
Subject: \_\_\_\_\_

Approved by Operator's Representative: *Jeon Bon d'oreuil*  
Approved by Toolpusher: *Berard Dimeet*





Rig No. **6**

Well Name **Sogrip Petrofina Beancourt #1**

Date **80 02 05** Rig No. **6**

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Station	Report Number	Start	Time Stop	Invl					
From	To	Metres	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)		MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change							
Bit		Density kg/m <sup>3</sup>						Hours Operated	1								
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2								
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3								
		pH						Flow Rate L/min	4								
		Press kPa	Pump 1					Pressure kPa	5								
			Pump 2						6								
		S.P.M.	Pump 1					Remarks									
			Pump 2														
Stands DC		Depth m															
Singles DC		Depth m															
Stands DP																	
Singles DP																	
Kelly Down																	
Total																	

**WATCH BOILER PUMPS, MOTORS, COMPOUNDS ETC.**

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.

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	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)		MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change							
Bit		Density kg/m <sup>3</sup>						Hours Operated	1								
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2								
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3								
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			Pump 2						6								
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			Pump 2														
Stands DC		Depth m															
Singles DC		Depth m															
Stands DP																	
Singles DP																	
Kelly Down																	
Total																	

**Run tubing 13 MM 700 to 600 metres on top of DV TOOL Pick up Kelly g. Pop joint & stand to drill on DV TOOL**

TOUR ① 00:00 - 08:00 Hrs.  
 Driller **A. LEMAY**  
 Derrick  
 Motor  
 Floor **M. LEMAY 8**  
 Floor  
 Lease  
 Other  
 Assistant Derrick

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	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)		MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change							
Bit		Density kg/m <sup>3</sup>						Hours Operated	1								
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Kelly Down																	
Total																	

**WATCH BOILER PUMPS, MOTORS, COMPOUNDS ETC.**

TOUR ② 08:00 - 16:00 Hrs.  
 Driller **M. JACQUES 10**  
 Derrick **J. DUBEAU 10**  
 Motor **A. CARON 10**  
 Floor **A. HAMEL 10**  
 Floor **M. CHARLAND 10**  
 Lease  
 Mechanic  
 Assistant Derrick

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
BOPS		Tested	Checked	C.A.S.I.N.G.		Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)		
Hydril	Minutes	Pressure kPa	Open & Close	To	K.B. Used	Sx	Fuel Rec'd Today	%	Total	To / From	Trans #	
Pipe Rams					Cem Plus							
Blind Rams					Plug Down @	hrs	Fuel @ 23:59					
					m <sup>3</sup> Returns		Fuel Used					
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc				
									O.D. mm	No.	O.D. mm	No.

Approved by Operator's Representative  
**Jean Bonduant**  
 Approved by Toolpush  
**Gerard Quimet**

TOUR ③ 16:00 - 24:00 Hrs.  
 Driller  
 Derrick  
 Motor  
 Floor **S. BÉRUBÉ 8**  
 Floor  
 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





CONTRACTOR

# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No. **6**

Well Name

*Sogrip Petrofina Becanow #1*

18814

Date **81** Year **02** Month **03** Day **6** Rig No. **6**

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*Watch Boiler to clean up ice between stacks beside mud house etc*

*Watch boiler to clean up mud house to get René here at airport*

*Watch Boiler*

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			
Derrick			
Motor			
Floor	<i>M. LEMAY</i>	<b>8</b>	
Floor			
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00	Hrs.	
Driller	<i>G. QUIMET</i>		
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00	Hrs.	
Driller	<i>A. HAMEL</i>	<b>8</b>	
Derrick			
Motor			
Floor			
Floor			
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	Hour	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Given By:	<i>Gerard Quimet</i>		
Subject			





Rig No. **6** Well Name **5099 PETROFINA Beaucairn #1**

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	Date	Rig No.																																																																																																																																																																									
From	To	Metres												Year <b>81</b> Month <b>2</b> Day <b>16</b>																																																																																																																																																																									
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Rig No. **6**

Well Name **Soupe PetroFina Beacour #1**

Location **Beacour #1** Report Number **#48**

Date Year **81** Month **1** Day **31** 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.

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl					
From	To	Metres	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 Additives in kg Density kg/m <sup>3</sup> Viscosity s/L Filtrate cm <sup>3</sup> pH Press kPa Pump 1 Pump 2 S.P.M. Pump 1 Pump 2 Depth m * Depth m * Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?																	

*Watch Boiler*

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	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 Additives in kg Density kg/m <sup>3</sup> Viscosity s/L Filtrate cm <sup>3</sup> pH Press kPa Pump 1 Pump 2 S.P.M. Pump 1 Pump 2 Depth m * Depth m * Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?																	

*Watch Boiler general repair*

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	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 Additives in kg Density kg/m <sup>3</sup> Viscosity s/L Filtrate cm <sup>3</sup> pH Press kPa Pump 1 Pump 2 S.P.M. Pump 1 Pump 2 Depth m * Depth m * Crown Stopper Checked? Reset? Kelly Cock Checked? Rig Savers Checked?																	

*Watch Boilers*

Tour	Start	End	Hrs.
TOUR ①	00:00	08:00	8
Driller	<i>R. Lapanier</i>		
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	8
Driller	<i>R. Bedard</i>		
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic	<i>C. Blanchette</i>		
Assistant Derrick			

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	8
Driller	<i>L. Turiff</i>		
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

Position	Signature	Hrs.

BoPS	Tested	Checked	Run	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
Hydri	Minutes	Pressure kPa	Open & Close	To	K.B.Used	Sx	Fuel Rec'd Today	To / From Trans #
Pipe Rams					Cem Plus	%	Total	Approved by Toolpush
Blind Rams					Plug Down @	hrs	Fuel @ 23:59	<i>Gerard Dumet</i>
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc





Pump No. 1		Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
Date: Year 91, Month 1, Day 29, 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: B. THEPHANZAR 8													
Derrick													
Motor: B. THEPHANZAR 8													
Floor													
Floor													
Lease													
Other													
Assistant Derrick													
INJURIES - COMPLETE BELOW													
TOUR ② 08:00 - 16:00 Hrs.													
Driller: B. BORDARD 8													
Derrick													
Motor													
Floor													
Floor													
Lease													
Mechanic: C. BLANCHETTA 8													
Assistant Derrick													
INJURIES - COMPLETE BELOW													
TOUR ③ 16:00 - 24:00 Hrs.													
Driller: L. TURRIFF 8													
Derrick													
Motor: L. TURRIFF 8													
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: L. TURRIFF, Signature: [Signature], Hrs. 8													
Toolpusher's Approval													
SAFETY TALKS													
Given By: [Signature], Subject: [Signature]													
Given By: [Signature], Subject: [Signature]													
Approved by Operator's Representative: [Signature]													
Approved by Toolpusher: [Signature]													
BOP Test Results Table													
Drill Pipe Record Table													
Equipment Transfers Table													
Fuel Usage Table													
Drill Collars on Loc. Table													

*WATCH BACK*

*WATCH BACK  
 CHANGA BACKLUB  
 1 SEAL ON COMPASS  
 #3 MTR.  
 LOAD BACK TO GO  
 TO WORK HOUSE*

*WATCH BACK  
 L. TURRIFF  
 Run ready on  
 disposal mud pit  
 8-16  
 (SF)*



Rig No. Well Name *SOQUIP BRT60 FINA*  
 Location *BECAN COURT #1*

Report Number *45* Start Time Stop Intvl  
 Date Year *81* Month *1* Day *28* Rig No. *#6*

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

From	To	Metres	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

From	To	Metres	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

From	To	Metres	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

From	To	Metres	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature

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(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

Tour	Start	End	Hrs.
TOUR ①	00:00	08:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic			
Assistant Derrick			

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	
Driller			
Derrick			
Motor			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

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

*WATCH BOZLA R.*

*WATCH BOZLA R.*

*PAPAR. CHATEAU ON SWABBING UNIT.*

*WATCH BOZLA R.*



CONTRACTOR

# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No.

Well Name

Soquel PAT 60 FNA.

18807

Location BRE ANCOUR.

Report Number 44

Date Year 81 Month 1 Day 27 #6  
Rig No.

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																																																																																																																																																																																																											
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Water Bozlar

Water Bozlar  
Repair washed  
seal on O-700  
changed in to make  
seal.

Water Bozlar

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	Start	End	Hrs.	Driller	Derrick	Motor	Floor	Floor	Lease	Other	Assistant Derrick
TOUR ①	00:00	08:00				B. TRAPANEK					
TOUR ②	08:00	16:00		B. BADARR	L. TURBEFF						
TOUR ③	16:00	24:00			L. TURBEFF						

INJURIES - COMPLETE BELOW

INJURIES - COMPLETE BELOW

INJURIES - COMPLETE BELOW

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



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No. 6

Well Name

SOQUIP PETRO FINAHI

18806

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	NATIONAL APPO	159	216	2	EMASCO D700	203	406	BECAIROUR	43	1200	800	8

From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
[Empty]																	

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC									
	Singles DC									
	Singles DP									
	Singles DP									
	Kelly Down									
	Total									

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads

From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
[Empty]																	

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	3 flow
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	3 flow
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	8 flow
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC									
	Singles DC									
	Singles DP									
	Singles DP									
	Kelly Down									
	Total									

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads

From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G
[Empty]																	

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1	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC									
	Singles DC									
	Singles DP									
	Singles DP									
	Kelly Down									
	Total									

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads

water boiler

water boiler  
Report by C. Blanelette

water boiler

Date	Rig No.		
Year 01 Month 1 Day 26 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 <i>R. Bedard</i>			
Derrick			
Motor <i>R. TREPANIER 8</i>			
Floor			
Floor			
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ② 08:00 - 16:00	Hrs.		
Driller <i>R. Bedard 8</i>			
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic <i>C. Blanelette 8</i>			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③ 16:00 - 24:00	Hrs.		
Driller			
Derrick <i>L. TORRIFE 8</i>			
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:	<i>Thyane Jay</i>		
Subject	<i>Ry. Luf</i>		



Rig No. **6** Well Name **SOQUIP PETRO-FINA #1**

Pump No. 1	Type	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl							
<b>NATIONAL</b>	<b>BP80</b>	<b>159-216</b>	<b>FMSCO</b>	<b>M0</b>	<b>4060</b>	<b>4060</b>	<b>BECAINCOUR</b>	<b>42</b>	<b>0000</b>									
From	To	Metres	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)		MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander				Motor Hours	Next Oil Change					
Bit		Density kg/m <sup>3</sup>						Hours Operated			1							
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>			2							
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>			3							
		pH						Flow Rate L/min			4							
		Press kPa	Pump 1					Pressure kPa			5							
			Pump 2								6							
		S.P.M.	Pump 1															
			Pump 2															
Stands DC		Depth m																
Singles DC																		
Stands DP																		
Singles DP																		
Kelly Down																		
Total																		
Force of String	daN	Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	Boiler in Use? Hrs.	Camp in Use? Hrs.	BOP Drill Yes	No	Driller's Signature	
			32	10	4602	199026	0	0	7150	1504	Clear	GOOD	8				Roland Bidard	

Clean TANK

DRACH Pumps.  
 Clean sections.

Date	Year	Month	Day	Rig No.
	81	1	25	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. Bidard			8
Derrick	L. TORRIFF			8
Motor	R. TRÉPANIÉ			8
Floor	P. TOUSIGNANT			8
Floor	C. BÉRUBE			8
Lease				
Other				
Assistant Derrick				

From	To	Metres	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)		MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander				Motor Hours	Next Oil Change					
Bit		Density kg/m <sup>3</sup>						Hours Operated			1							
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>			2							
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>			3							
		pH						Flow Rate L/min			4							
		Press kPa	Pump 1					Pressure kPa			5							
			Pump 2								6							
		S.P.M.	Pump 1															
			Pump 2															
Stands DC		Depth m																
Singles DC																		
Stands DP																		
Singles DP																		
Kelly Down																		
Total																		
Force of String	daN	Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	Boiler in Use? Hrs.	Camp in Use? Hrs.	BOP Drill Yes	No	Driller's Signature	
			32	10	4602	199026	0	0	7150	1504	SUNNY	GOOD	8				Marc Jacques	

TRASH out BOP stack.  
 swap. & back.  
 BACKS.

TOUR ②	08:00 - 16:00		Hrs.
Driller	M. JACQUES		8
Derrick			
Motor			
Floor			
Floor			
Lease			
Mechanic	C. Blanchette		8
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00		Hrs.
Driller			
Derrick	L. TORRIFF		8
Motor	R. TRÉPANIÉ		8
Floor			
Floor			
Lease			
Other			
Assistant Derrick			

From	To	Metres	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)		MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander				Motor Hours	Next Oil Change					
Bit		Density kg/m <sup>3</sup>						Hours Operated			1							
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>			2							
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>			3							
		pH						Flow Rate L/min			4							
		Press kPa	Pump 1					Pressure kPa			5							
			Pump 2								6							
		S.P.M.	Pump 1															
			Pump 2															
Stands DC		Depth m																
Singles DC																		
Stands DP																		
Singles DP																		
Kelly Down																		
Total																		
Force of String	daN	Drill'g Line Record	Size mm	No Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	Boiler in Use? Hrs.	Camp in Use? Hrs.	BOP Drill Yes	No	Driller's Signature	
			32	10	4602	199026	0	0	7150	1504	SUNNY	GOOD	8				Roland Bidard	

WATELL BOILER.

TOUR ④	00:00 - 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			
Approved by Operator's Representative			
Approved by Toolpusher			
Given By:			
Subject			

BOPS	Tested		Checked		Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)		Approved by Operator's Representative	
	Minutes	Pressure kPa	Open & Close						To / From	Trans #		
Hydri								Fuel Rec'd Today				
Pipe Rams								Total				
Blind Rams								Fuel @ 23:59				
								m <sup>3</sup> Returns				
								Fuel Used				
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3	Other - Specify	Totals	Total on Loc.	O.D. mm	Drill Collars on Loc. No.	O.D. mm	No.



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

18804

Rig No. #6

Well Name SOQUIP - Petro Fina

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number
1	National 8 P80	159	276	2	Emco D-700	140	406	Becancour	41

From	To	Metres	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)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
		32	10	4	4602	199026	0	0	7150	1504	clear	GOOD

From	To	Metres	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)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
		32	10	4	602	199026	0	0	7150	1504	clear	GOOD

From	To	Metres	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)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
		32	10	4	602	199026	0	0	7150	1504	clear	GOOD

Tested	Checked	Plan	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative

Circulate & Wait on Cement

Circulate WAIT on cement 8:00

CIRCULATE WAIT ON CEMENT 16:00

CIMENT tot PASSING 17:00

LAY DOWN BOP 18:00

Clean TANK 19:00

TOP 1.35 CM

BOTTOM Empty

Approved by Operator's Representative: Ryan Tessier

Approved by Toolpusher: Roy Huff

Date	Year	Month	Day	Rig No.
	81	1	24	#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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
TOUR ②	08:00	16:00	8
TOUR ③	16:00	24:00	8

Position	Signature	Hrs.
Driller	J. Turriff	8
Derrick	R. Larochelle	8
Motor	Kim Turriff	8
Floor	P. Cayer	8
Floor	M. LeMay	8
Assistant Derrick		
Driller	R. Bedard	8
Derrick	L. TURRIFF	8
Motor	R. TREPANIER	8
Floor	P. TOUSIGNANT	8
Floor	C. Berube	8
Mechanic	C. Blanchette	8
Driller	M. JACQUES	8
Derrick	V. CARON	8
Motor	A. HARMEI	8
Floor	M. CHARLAND	8
Floor	S. BERUBE	8

Floor #1  
Fell on Pipe Racks & Hurt Ribs

SAFETY TALKS

Given By: Subject

Given By: Subject



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

18803

Rig No #6

Well Name *SOQUIP - Petro Fina*

Date *8/1* Month *1* Day *29* #6

Pump No. 1	Type <i>National 280</i>	Liner Size mm <i>159</i>	Stroke Length mm <i>276</i>	Pump No. 2	Type <i>Emcoad 700</i>	Liner Size mm <i>140</i>	Stroke Length mm <i>406</i>	Location <i>Beaconsfield</i>	Report Number <i>40</i>	Start	Time Stop	Intvl					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

*Lay down Pipe & collars  
Rig up to Run Casing  
Run 5 1/2" Casing*

0:00	3:50	3:50
3:50	4:00	1:50
4:00	8:00	4:00

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

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit		Density kg/m <sup>3</sup>						Hours Operated	1	<i>Jan 28</i>
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	<i>Jan 28</i>
		Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	<i>Jan 28</i>
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
		Depth m								

*Boiler In Use? Hrs. 8*

*Camp In Use? Hrs. 0*

*BOP Drill Yes No*

*Driller's Signature *[Signature]**

*Clear Good*

Driller *J. Turriff*

Derrick *R. Larochelle*

Motor *Kim Turriff*

Floor *P. Cayer*

Floor *M. LeMay*

Lease

Other

Assistant Derrick

Force of String	daN	Drill'g Line Record	Size mm <i>32</i>	No. Lines <i>10</i>	Megajoules <i>4602</i>	Total MJ	Slipped (m) <i>0</i>	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

*RUN 5 1/2" CASING*

*circulate into CASING*

*Cement CASING BOTTOM STAGE*

8:00	12:00	4
12:00	14:00	2
14:00	16:00	2

TOUR ② 08:00 - 16:00

Driller *R. Bidard*

Derrick *L. TURRIFF*

Motor *R. TREPANIER*

Floor *P. tousignat*

Floor *C. Berube*

Lease *R. Beaudet*

Mechanic *C. Blanchette*

Assistant Derrick

Force of String	daN	Drill'g Line Record	Size mm <i>32</i>	No. Lines <i>10</i>	Megajoules <i>4602</i>	Total MJ	Slipped (m) <i>0</i>	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

*CIMENT CASING Bottom Stage*

*circulate into CASING*

*CIMENT*

*DISPLACER CIMENT circulate*

17:50	1:50
17:50	3:50
21:00	1:00
22:00	2:00

TOUR ③ 16:00 - 24:00

Driller *M. Jacques*

Derrick *V. CARON*

Motor *A. HAMEL*

Floor *M. CHARLAND*

Floor *S. BÉRUBÉ*

Lease

Other

Assistant Derrick

Force of String	daN	Drill'g Line Record	Size mm <i>36</i>	No. Lines <i>10</i>	Megajoules <i>4602</i>	Total MJ	Slipped (m) <i>0</i>	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

*Boiler In Use? Hrs. 8*

*Camp In Use? Hrs.*

*BOP Drill Yes No*

*Driller's Signature *[Signature]**

*Clear Good*

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







Rig No. #6 Well Name SOQUIP - Petro Fina

Pump No.	Type	Line Size mm	Stroke Length mm	Pump No.	Type	Line Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	National SP80	159	316	2	Emco D-760	140	406	Baconeur	37	0:00	1:00	1:00
<p><b>Run in Hole</b> Break circulation circulate condition MUD pull out HOLE pick up LYNES TOOLS</p>												
<p><b>Service &amp; lay down hynes tools</b> Run in</p>												
<p><b>Run in HOLE</b> Break circulation circulate condition MUD pull out HOLE pick up LYNES TOOLS</p>												
<p><b>SLIP OUT LINE</b> PICK UP LYNES TOOLS Run in HOLE DST 8#</p>												

Date	Rig No.		
Year 81 Month 1 Day 20	#6		
<p>I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!</p> <p>(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.)</p>			
Tour 1	00:00 - 08:00		
Driller	T. Turriff		
Derrick	R. Blanchette		
Motor	Kim Turriff		
Floor	R. Cayer		
Floor	M. LeMay		
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
Tour 2	08:00 - 16:00		
Driller	R. Bidard		
Derrick	L. TURRIFF		
Motor	R. TREPANIER		
Floor	P. TOUSIGNANT		
Floor	C. Berube		
Lease	R. Beaudet		
Mechanic	C. Blanchette		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
Tour 3	16:00 - 24:00		
Driller	M. JACQUES		
Derrick	Y. CARON		
Motor	A. HAMEL		
Floor	M. CHARLAND		
Floor	S. BERUBE		
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:	M. Turriff		
Subject:	By [Signature]		
Given By:			
Subject:			







# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

12097

Rig No. #6 Well Name SOQUIP - Petro Fina

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	Date	Rig No.	
1	National 8800	159	216	2	Emco D-700	140	406	Beaconeur	34	0:00	1:00	1:00	8/1/17	#6	
<p>Make up lynes tools Run in for Test #2 Test #2 Deflate Packers</p>													<p>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.</p>		
<p>From To Metres</p>										<p>1:00 3:15 2:15</p>		<p>3:15 7:50 4:35</p>		<p>7:50 8:00 0:50</p>	
<p>No. Drilling Assembly (At End of Tour)</p>										<p>TOUR ① 00:00 - 08:00</p>		<p>Hrs.</p>			
<p>MUD</p>										<p>Driller J. Turriff</p>		<p>8</p>			
<p>Desilter / Desander</p>										<p>Derrick A. hatze</p>		<p>8</p>			
<p>Motor Hours</p>										<p>Motor G. Trudel</p>		<p>8</p>			
<p>Next Oil Change</p>										<p>Floor R. Tousignant</p>		<p>8</p>			
<p>Hours Operated</p>										<p>Floor huc. Bergevin</p>		<p>8</p>			
<p>U.F. Density kg/m<sup>3</sup></p>										<p>Lease</p>		<p>8</p>			
<p>O.F. Density kg/m<sup>3</sup></p>										<p>Assistant Derrick</p>		<p>8</p>			
<p>Flow Rate L/min</p>										<p>INJURIES - COMPLETE BELOW</p>		<p>8</p>			
<p>Pressure kPa</p>										<p>TOUR ② 08:00 - 16:00</p>		<p>Hrs.</p>			
<p>Remarks</p>										<p>Driller J. DUBEAU</p>		<p>8</p>			
<p>S.P.M.</p>										<p>Derrick R. LAROCHE</p>		<p>8</p>			
<p>Depth m</p>										<p>Motor KIM TURRIFF</p>		<p>8</p>			
<p>Crown Stopper Checked?</p>										<p>Floor P. CHAYER</p>		<p>8</p>			
<p>Reset?</p>										<p>Floor M. LEHAY</p>		<p>8</p>			
<p>Kelly Cock Checked?</p>										<p>Lease</p>		<p>8</p>			
<p>Rig Savers Checked?</p>										<p>Mechanic C. BLANCHET</p>		<p>8</p>			
<p>Drill'g Line Record</p>										<p>Assistant Derrick</p>		<p>8</p>			
<p>Size mm No. Lines Megajoules Total MJ Slipped (m) Cut Next Slip Temp. Weather Roads</p>										<p>INJURIES - COMPLETE BELOW</p>		<p>8</p>			
<p>32 10 6136 182152 0 0 7150 1536 Clear Good</p>										<p>TOUR ③ 16:00 - 24:00</p>		<p>Hrs.</p>			
<p>Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No Driller's Signature</p>										<p>Driller R. Bédard</p>		<p>8</p>			
<p>POH DST #2</p>										<p>Derrick L. TURRIFF</p>		<p>8</p>			
<p>PULL OUT HOLE</p>										<p>Motor R. TRÉPANIÉ</p>		<p>8</p>			
<p>Big up CHECK TEST +</p>										<p>Floor P. TOUSIGNANT</p>		<p>8</p>			
<p>Run COLLARS</p>										<p>Floor C. Bérubé</p>		<p>8</p>			
<p>Run in TEST #3</p>										<p>Lease</p>		<p>8</p>			
<p>Run in HOLE</p>										<p>Other</p>		<p>8</p>			
<p>START DST #3</p>										<p>Assistant Derrick</p>		<p>8</p>			
<p>Gun Tanks</p>										<p>INJURIES - COMPLETE BELOW</p>		<p>8</p>			
<p>OK OK OK OK</p>										<p>TOUR ④ 00:00 - 08:00</p>		<p>Hrs.</p>			
<p>Drill'g Line Record</p>										<p>Driller R. Bédard</p>		<p>8</p>			
<p>32 10 7670 182152 0 0 7150 1536 Clear Good</p>										<p>Derrick L. TURRIFF</p>		<p>8</p>			
<p>Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No Driller's Signature</p>										<p>Motor R. TRÉPANIÉ</p>		<p>8</p>			
<p>DST #3 DEFLATE PACKERS</p>										<p>Floor P. TOUSIGNANT</p>		<p>8</p>			
<p>PULL OUT HOLE DST #3</p>										<p>Floor C. Bérubé</p>		<p>8</p>			
<p>Run in HOLE DST #4</p>										<p>Lease</p>		<p>8</p>			
<p>slip out LINE</p>										<p>Other</p>		<p>8</p>			
<p>Remarks</p>										<p>Assistant Derrick</p>		<p>8</p>			
<p>OK OK OK OK</p>										<p>INJURIES - COMPLETE BELOW</p>		<p>8</p>			
<p>Drill'g Line Record</p>										<p>TOUR ⑤ 00:00 - 08:00</p>		<p>Hrs.</p>			
<p>32 10 9204 191356 16 NA NA 7150 1536 Clear Good</p>										<p>Driller R. Bédard</p>		<p>8</p>			
<p>Boiler In Use? Hrs. 8 Camp In Use? Hrs. 0 BOP Drill Yes No Driller's Signature</p>										<p>Derrick L. TURRIFF</p>		<p>8</p>			
<p>Tested Checked</p>										<p>Motor R. TRÉPANIÉ</p>		<p>8</p>			
<p>Minutes Pressure kPa Open &amp; Close</p>										<p>Floor P. TOUSIGNANT</p>		<p>8</p>			
<p>Ran JTS CSG Fuel @ 00:00</p>										<p>Floor C. Bérubé</p>		<p>8</p>			
<p>To K.B. Used Sx Fuel Rec'd Today</p>										<p>Lease</p>		<p>8</p>			
<p>Cem Plus % Total</p>										<p>Other</p>		<p>8</p>			
<p>Plug Down @ hrs Fuel @ 23:59</p>										<p>Assistant Derrick</p>		<p>8</p>			
<p>m<sup>3</sup> Returns Fuel Used</p>										<p>INJURIES - COMPLETE BELOW</p>		<p>8</p>			
<p>Drill Pipe Record</p>										<p>TOUR ⑥ 00:00 - 08:00</p>		<p>Hrs.</p>			
<p>Size mm Grade Premium #2 #3 Other Specify</p>										<p>Driller R. Bédard</p>		<p>8</p>			
<p>Totals Total Oil L/L</p>										<p>Derrick L. TURRIFF</p>		<p>8</p>			
<p>O.D. mm Drill Collars on Loc. No. O.D. mm No.</p>										<p>Motor R. TRÉPANIÉ</p>		<p>8</p>			





Rig No. #6 Well Name SOQUIP - Petro Fina

Pump No.	Type	Line Size mm	Stroke Length mm	Pump No.	Type	Line Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	National	80	159	2	Emasco	70	140	Beaucour	32	0:00	2:00	

From	To	Metres	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)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
BII	m	Density kg/m <sup>3</sup>	1130	1080	1100	1110	Barite 25% gel	Hours Operated	1	Jan 18
	m	Viscosity s/L	49	37	38	43	CAUSTIC 8	U.F. Density kg/m <sup>3</sup>	2	Jan 18
	m	Filtrate cm <sup>3</sup>					Barite 155	O.F. Density kg/m <sup>3</sup>	3	Jan 18
	m	pH	11.5	11.0	11.0	11.0		Flow Rate L/min	4	
	m	Press kPa						Pressure kPa	5	
	m	Pump 1							6	
	m	Pump 2								
	m	S.P.M.								
	m	Stands DC								
	m	Singles DC								
	m	Stands DP								
	m	Singles DP								
	m	Kelly Down								
	m	Total								

Remarks: Mix Pill 20 svs Barites significant vis drop this barite & Premip Run megason, skin foam off top of mud tank & gun subcon & hot 2 tank

Circulate & gun tanks  
Condition Mud  
Mud gaseified

TOTAL 8:00

Date	Rig No.
Year 81 Month 1 Day 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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
Driller	T. Turriff		8
Derrick	D. Hauze		8
Motor	G. Trudel		8
Floor	R. Tousignant		8
Floor	L. Bergerin		8
Lease			
Other			

From	To	Metres	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)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	m	Density kg/m <sup>3</sup>	1130				20 BARITE	Hours Operated	8	JAN 18
	m	Viscosity s/L	45				KCH 25 say	U.F. Density kg/m <sup>3</sup>	2	JAN 18
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	JAN 18
	m	pH	11.5					Flow Rate L/min	4	
	m	Press kPa						Pressure kPa	5	
	m	Pump 1							6	
	m	Pump 2								
	m	S.P.M.								
	m	Stands DC								
	m	Singles DC								
	m	Stands DP								
	m	Singles DP								
	m	Kelly Down								
	m	Total								

Remarks: 45 gal 21 GRAN 220 EP

CIRCULATE + GUN TANK  
PUMP PILL DOWN  
PULL UP HOPE  
RUN COLHARS (STESTINE)

Total: 8:00

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	8
Driller	J. DUBEAU		8
Derrick	R. LAROCHEL		8
Motor	Kim. TORRIFF		8
Floor	P. CAYER		8
Floor	M. LEMAY		8
Lease	R. BEAUDET		8
Mechanic	C. BLANCHET		8
Assistant Derrick			

From	To	Metres	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)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	m	Density kg/m <sup>3</sup>						Hours Operated	8	Jan 18
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	m	pH						Flow Rate L/min	4	
	m	Press kPa						Pressure kPa	5	
	m	Pump 1							6	
	m	Pump 2								
	m	S.P.M.								
	m	Stands DC								
	m	Singles DC								
	m	Stands DP								
	m	Singles DP								
	m	Kelly Down								
	m	Total								

Run IN HOLE with TEST  
SLOWLY  
RIG UP LINES TOOLS  
open tanks NO TEST and TESTING  
TESTING  
pull out HOLE

total 8

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	8
Driller	R. Bedard		8
Derrick	L. TORRIFF		8
Motor	R. TREPANIER		8
Floor	P. TOUSIGNANT		8
Floor	C. Berube		8
Lease			
Other			

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
		32	10	1534	182152				7150	1536	Clear	Good

Tested	Checked	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
BOPS	Minutes	Pressure Pa	Open & Close	From To	Trans #
Hydriil					
Pipe Rams					
Blind Rams					
Drill Pipe Record	Size mm	Grade	Premium	# 2	# 3

Approved by Operator's Representative: *Roland Bidard*  
Approved by Toolpush: *Roland Bidard*

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Hour	Signature	Hrs.

Toolpusher's Approval

SAFETY TALKS

Given By: *Roland Bidard*

Subject:







Rig No. #6 Well Name *SOGUIP - Petro fina #1*

Pump No. 1	Type	Linear Size mm	Stroke Length mm	Pump No. 2	Type	Linear Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	National	850	127	2	Emasco D-700	140	406	Becancour	29	2400	260	200
<p>Drill 216 mm Hole Circulate for sample Drill 216 mm Hole Circulate for sample Drill 216 mm Hole</p>												
From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs
1341	1358	17	7	216 J55	2-8.5	57521	1200	50	28	11.25		
<p>MUD: 10.90 10.70 10.50 10.90 Additives in kg: KCL 15 Sx, Gel 16 Sx, Barytes 85, CAUSTIC 75 Kg Desilter / Desander: OFF Motor Hours: 8 Next Oil Change: Jan 18</p>												
<p>Standards: 6 Stands DC 168.31, 4 Singles DC, 4 Stands DP 1163.87, 1 Single DP, 1 Kelly Down 6.55, Total 135.8</p>												
<p>Force of String: 48,000 daN</p>												
1	National	850	127	2	Emasco D-700	140	406	Becancour	29	7:00	11:30	3:30
<p>DRILL 216 MM HOLE RIG SER + CONN CIRCULATE (CDROM SURVEY) PULL OUT HOLE</p>												
From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs
1358	1370	12	87	216 J55	2-8.5	57521	1200	50	40	14.75		
<p>MUD: 10.80 10.90 11.00 Additives in kg: 1 Polymers, BARYTES 20%, CAUSTIC 50 Kg Desilter / Desander: SHUT OFF Motor Hours: 8 Next Oil Change: JAN 18</p>												
<p>Standards: 6 Stands DC 168.31, 41 Singles DC, 41 Stands DP 1173.19, 2 Singles DP, 1 Kelly Down 9.23, Total 1370</p>												
<p>Force of String: 48,000 daN</p>												
1	National	850	127	2	Emasco D-700	140	406	Becancour	29	16:00	16:50	50
<p>Rig up at Humberger well FLOWING with PUMP OFF Run in HOLE PICK UP 4 singles Break circulation Circulate mix Barite pull out HOLE</p>												
From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs
1370			RB7	216 J55	2-9.5	57521	1-8.7					
<p>MUD: 11.5 11.5 11.5 Additives in kg: 1 Polymers, BARYTES 20%, CAUSTIC 50 Kg Desilter / Desander: SHUT OFF Motor Hours: 8 Next Oil Change: JAN 18</p>												
<p>Standards: 4 Stands DC 150.89, 1 Single DC, 1 Stands DP, 1 Single DP, 1 Kelly Down 2.00, Total 1370</p>												
<p>Force of String: 1 daN</p>												
1	National	850	127	2	Emasco D-700	140	406	Becancour	29	20:00	23:50	2:50
<p>4 singles Break circulation Circulate mix Barite pull out HOLE</p>												
From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs
1370			RB7	216 J55	2-9.5	57521	1-8.7					
<p>MUD: 11.5 11.5 11.5 Additives in kg: 1 Polymers, BARYTES 20%, CAUSTIC 50 Kg Desilter / Desander: SHUT OFF Motor Hours: 8 Next Oil Change: JAN 18</p>												
<p>Standards: 4 Stands DC 150.89, 1 Single DC, 1 Stands DP, 1 Single DP, 1 Kelly Down 2.00, Total 1370</p>												
<p>Force of String: 1 daN</p>												

Date	Year	Month	Day	Rig No.
81	1	12	#6	
<p>I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!</p>				
<p>(EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT) IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.</p>				
Tour	①	00:00 - 08:00	Hrs.	
Driller	T. Turripp			8
Derrick	N. Lauze			8
Motor	G. Trudel			8
Floor	R. Tousignant			8
Floor	Luc. Bergeron			8
Lease				
Other				
<p>Assistant Derrick</p>				
<p>INJURIES - COMPLETE BELOW</p>				
Tour	②	08:00 - 16:00	Hrs.	
Driller	J. Du Beau			8
Derrick	R. LAROCHELLE			8
Motor	Kim. TURRIFF			8
Floor	P. COVER			8
Floor	M. LEMAY			8
Lease	R. BEAUDET			8
Mechanic	C. BLANCHET			8
<p>Assistant Derrick</p>				
<p>INJURIES - COMPLETE BELOW</p>				
Tour	③	16:00 - 24:00	Hrs.	
Driller	R. Bidard			8
Derrick	R. TREPANIER			8
Motor	R. TURRIFF			8
Floor	P. TOUSIGNANT			8
Floor	C. Binche			8
Lease				
Other				
<p>Assistant Derrick</p>				
<p>INJURIES - COMPLETE BELOW</p>				
<p>I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW, DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)</p>				
Position	Tour	Signature	Hrs.	
<p>TOTAL 8</p>				
<p>Toolpusher's Approval</p>				
<p>SAFETY TALKS</p>				
Given By:	Roland Bedard			
Subject				
Given By:	Jean Gauthier			
Subject	Herard Duimeil			



Rig No. #6 Well Name *SORUMP - Petro Fina #1*

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	National 8PS0	127	216	Emco D-700	146	406		Becancour	28	2400	:	:
From	To	Metres										
1309	1323	14										
No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change		
1	Bit NBS 1.36	Density kg/m <sup>3</sup>	10.8	11.00	10.90	10.75	YEL 15 SAKS	Hours Operated	1	8	Jan 18	
3	STABS 3.74	Viscosity s/L	53	55	53	52	CAUSTIC 100KZ	O.F. Density kg/m <sup>3</sup>	2	8	Jan 18	
1	SO 8.18	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	8	Jan 18	
1	JARS 5.20	pH	11.5	11.5	11.5	11.5		Flow Rate L/min	4			
1	XO 0.79	Pressure kPa	Pump 1					Pressure kPa	5			
		Pump 2	5000	5000	4900	4700	Remarks		6			
6	Stands DC 168.31	S.P.M.	Pump 1									
		Pump 2	50	50	50	50						
40	Stands DP 1126.66	Depth m										
1	Singles DP											
1	Kelly Down 8.76											
Total	1333											
Force of String	47,000 daN	Drill'g Line Record	32	10	1252	172148	0	0	7150	1554	SNOW GOOD	
From	To	Metres										
1323	1930	7										
No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change		
1	Bit NBS 1.36	Density kg/m <sup>3</sup>	10.70	10.60	10.50		BARITE 75	Hours Operated	1	8	JAN 18	
3	STABS 3.74	Viscosity s/L	50	50	48		1 Polymer	O.F. Density kg/m <sup>3</sup>	2	8	JAN 18	
1	SO 8.18	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	8	JAN 18	
1	JARS 5.20	pH	11.5	11.5	11.5			Flow Rate L/min	4			
1	XO 0.79	Pressure kPa	Pump 1					Pressure kPa	5			
		Pump 2	4500	4500	4000		Remarks		6			
6	Stands DC 168.31	S.P.M.	Pump 1									
		Pump 2	50	50	50		Dump Sand NO 1					
40	Stands DP 1135.53	Depth m										
1	Singles DP											
1	Kelly Down 6.88											
Total	1330.98											
Force of String	47,000 daN	Drill'g Line Record	32	10	1252	172148	0	0	7150	1554	SONNY Good	
From	To	Metres										
1330	1341	11										
No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change		
1	Bit NBS 1.36	Density kg/m <sup>3</sup>		11.0	11.0	10.90	1 POLYMER	Hours Operated	1	8	Jan 18	
3	STABS 3.74	Viscosity s/L	T	58	45	48	15 KCL 3XS	O.F. Density kg/m <sup>3</sup>	2	8	Jan 18	
1	SO 8.18	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	8	Jan 18	
1	JARS 5.20	pH	R	11.5	11.5	11.5		Flow Rate L/min	4			
1	XO 0.79	Pressure kPa	Pump 1					Pressure kPa	5			
		Pump 2	P	4500	4600	3800	Remarks		6			
6	Stands DC 168.31	S.P.M.	Pump 1									
		Pump 2	50	45	45							
40	Stands DP 1145.15	Depth m										
1	Singles DP											
1	Kelly Down 8.29											
Total	1341											
Force of String	48,000 daN	Drill'g Line Record	32	10	5262	172148	0	0	7150	1554	SNOW GOOD	

Date	Year	Month	Day	Rig No.
	81	1	11	#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				
Driller	J. Turriff			8
Derrick	D. Hauze			8
Motor	R. Tousignant			8
Floor	G. Trudel (Motor)			8
Floor	Luc. Bergevin			8
Lease				
Other				
INJURIES - COMPLETE BELOW				
TOUR ② 08:00 - 18:00				
Driller	J. DUBEAU			8
Derrick	B. LAROCHELLE			8
Motor	Kim TURRIFF			8
Floor	P. COYER			8
Floor	M. LEMAY			8
Lease				
Mechanic	C. BLANCHETTE			8
INJURIES - COMPLETE BELOW				
TOUR ③ 16:00 - 24:00				
Driller	R. Bidard			8
Derrick	R. TRÉPANIÉ			8
Motor	P. TOUSIGNANT			8
Floor	R. BEAUDET			8
Floor				
Lease				
Other				
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			

Drill 216mm Hole  
Rig Service

8:00 : 8:00  
13:35 16:00 3:25  
TOTAL 8:00

DRILL 216MM HOLE  
PULL OUT HOLE  
STOP COLLARS

8:00 13:35 4:35  
13:35 16:00 3:25  
TOTAL 8:00

change BITs RUN COLLARS  
and PIPE  
Break circulation  
DRILL 216MM HOLE

16:00 : 18:50 2:50  
18:50 18:75 : 25  
18:75 24:00 5:25  
TOTAL 8

Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes	No	Driller's Signature
8	0			Jayme Turriff
8	0			Jayme Dubois
8	0			Roland Bidard



Rig No. 6 Well Name SOQUIP PETROFINA 1#

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No.	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	NATIONAL 8 Pao	127	216	2	EM400 8 Pao	140	406	BE CANCOUR	27	00:00	8:00	8:00

Date	Rig No.
Year <u>91</u> Month <u>01</u> Day <u>10</u>	<u>6</u>

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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
TOUR ②	08:00	16:00	8
TOUR ③	16:00	24:00	8

Driller: M. JACQUES  
Derrick: Y. CARON  
Motor: A. HAMMEL  
Floor: M. CHARLAND  
Floor: S. BÉRUBE

From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
1251	1253	22	KR6 216 J99	2-8.7	ZX111	11000	50	103	6825	110	10A LG					

DRILL 216 MM. HOLE  
Rig Service on Connection

MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Density kg/m <sup>3</sup>	1085	1090	1090	1090	CAUSTIC = 50 KG	Hours Operated	1	8
Viscosity s/L	49	50	59	57	GEL = 20 SAKS	U.F. Density kg/m <sup>3</sup>	2	8
Filterate cm <sup>3</sup>					POLYMER = 1 PAUL	D.F. Density kg/m <sup>3</sup>	3	8
pH	11.5	11.5	11.5	11.5		Flow Rate L/min	4	
Press kPa						Pressure kPa	5	
Pump 1	4200	4200	3900	3900			6	
Pump 2								

Remarks: **DUMP CLEAN TANK #2**

S.P.M. Pump 1: 45, Pump 2: 45

Depth m: 45

Crown Stopper Checked? OK Reset? OK Kelly Cock Checked? OK Rig Savers Checked? OK

Force of String: 46000 daN

Driller's Signature: Maurice Jacques

Boiler In Use? Hrs: 8 Camp In Use? Hrs: ✓ BOP Drill Yes ✓ No

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	8

Driller: J. DUBEAU  
Derrick: M. LAUZE  
Motor: R. TOUSIGNANT  
Floor: G. TRUDEL  
Floor: L. BERGUEIN  
Mechanic: C. BLANCHET

From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
1253	1283	30	KR6 216 J99	2-8.7	ZX111	11000	50	143	76.25	140	DR LG					

DRILL 216 MM HOLE  
RIG SERVICE & CONN.

MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Density kg/m <sup>3</sup>	1090	1100	1100	1100	KCL = 15	Hours Operated	1	8
Viscosity s/L	52	53	55	60	POLYMER = 1 PAUL	U.F. Density kg/m <sup>3</sup>	2	8
Filterate cm <sup>3</sup>					CAUSTIC = 100 KG	D.F. Density kg/m <sup>3</sup>	3	8
pH	11.5	11.5	11.5	11.5	GEL = 30 SF	Flow Rate L/min	4	
Press kPa	5800	6100				Pressure kPa	5	
Pump 1	5800	6100					6	
Pump 2			400					

Remarks: **RUN DEGASSER**

S.P.M. Pump 1: 120, Pump 2: 45

Depth m: 45

Crown Stopper Checked? OK Reset? OK Kelly Cock Checked? OK Rig Savers Checked? OK

Force of String: 46000 daN

Driller's Signature: Jacques Dubéau

Boiler In Use? Hrs: 8 Camp In Use? Hrs: ✓ BOP Drill Yes ✓ No

INJURIES - COMPLETE BELOW

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	8

Driller: T. TURRIF  
Derrick: R. LAROCHELLE  
Motor: Kim Turriff  
Floor: P. Cayer  
Floor: M. HALLAY

From	To	Metres	No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
1283	1309	26	KR6 216 J99	2-8.7	ZX111	11000	50	169	8425							

DRILL 216 mm Hole

MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Density kg/m <sup>3</sup>	1100	1085	1090	1090	1 Polymer	Hours Operated	1	8
Viscosity s/L	55	58	55	52	50 KOG CAUSTIC	U.F. Density kg/m <sup>3</sup>	2	8
Filterate cm <sup>3</sup>					50 BARYTES	D.F. Density kg/m <sup>3</sup>	3	8
pH	11.5	11.5	11.5	11.5		Flow Rate L/min	4	
Press kPa						Pressure kPa	5	
Pump 1	4000	4900	4500	4300			6	
Pump 2								

Remarks: **TOP FUEL TANK**

S.P.M. Pump 1: 45, Pump 2: 45

Depth m: 45

Crown Stopper Checked? ✓ Reset? ✓ Kelly Cock Checked? ✓ Rig Savers Checked? ✓

Force of String: 46000 daN

Driller's Signature: Jacques Dubéau

Boiler In Use? Hrs: 8 Camp In Use? Hrs: 0 BOP Drill Yes ✓ No

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED NO INJURY AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Tour #	Signature	Hrs.

Toolpusher's Approval: Approved

SAFETY TALKS

Given By: Approved

Subject: Approved



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No. 6

Well Name

SOQUIP PETRO FINA 1#

12089

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change			
1	3 NBS 1.36 m	Density kg/m <sup>3</sup>	1100	1090	1090	1085	CAUSTIC = 100 KG	Hours Operated	1	8 JAN 18			
2	5 STABS 3.74 m	Viscosity s/L	56	52	47	52	POLYMERS = 2 Pail	U.F. Density kg/m <sup>3</sup>	2	8 JAN 18			
3	1 S.O. 8.18 m	Filtrate cm <sup>3</sup>	11.5	11.5	11.5	11.5		D.P. Density kg/m <sup>3</sup>	3	8 JAN 18			
4	1 JARS 5.20 m	pH	11.5	11.5	11.5	11.5		Flow Rate L/min	4				
5	1 X.O. 0.79 m	Press kPa	Pump 1	4000	3500	3800	3800	Pressure kPa	5				
6	Stands DC 168.31 m	S.P.M.	Pump 1	45	45	45	45	Remarks	6				
7	Stands DP 994.40 m	Depth m	Pump 2	45	45	45	45	45 GALS GIRAN					
8	Singles DC 168.31 m	Depth m						45 GALS UNIVERSAL					
9	3 Stands DP 994.40 m	Depth m						1 BARREL OF SCAVENGER					
10	4 Singles DP 994.40 m	Depth m											
11	Kelly Down 9.96 m	Depth m											
12	Total 1192.00 m	Depth m											
13	Force of String 45000 daN	Drill'g Line Record	32	10	1252	172148	0	7150	1554	Clear Good			
14	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
15	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
16	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
17	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
18	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
19	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
20	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
21	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
22	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
23	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
24	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
25	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
26	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
27	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
28	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
29	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
30	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
31	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
32	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
33	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
34	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
35	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
36	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
37	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
38	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
39	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
40	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
41	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
42	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
43	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
44	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
45	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
46	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
47	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
48	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
49	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
50	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
51	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
52	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
53	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
54	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
55	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
56	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
57	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
58	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
59	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
60	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
61	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
62	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
63	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
64	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
65	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
66	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
67	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
68	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
69	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
70	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
71	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
72	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
73	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
74	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
75	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
76	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
77	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
78	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
79	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
80	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
81	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
82	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
83	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25
84	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:25	0:75	50
85	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:75	0:00	7:25
86	1192	NATIONAL	216	127	EMSCO D700		140	406	BECAN COVR	26	00:00	0:25	25



Pump No. 1		Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	Date	Rig No.
1155		Notation	216	216	EHS 200 700		140	406	BECANCOUR	25	00:00	1:25	1:25	81	1086
1164		9	C2	215	MC20	BOF1212	9000	84	9 500	110	OR LG			I ACKNOWLEDGE HAVING WORKED THESE HOURS DURING THIS TIME I RECEIVED NO INJURY!	
1172		8	C2	215	me20	80F1212	9000	84	17					INJURIES - COMPLETE BELOW	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ① 00:00 - 08:00	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ② 08:00 - 16:00	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ③ 16:00 - 24:00	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ④ 00:00 - 08:00	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ⑤ 08:00 - 16:00	
1172		8	RR6	216	397	ZXIII			26m	1.25				TOUR ⑥ 16:00 - 24:00	





# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

12086

Pump No. 1		Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Day	Month	Year	Rig No.	
1139		WAT	215	216	FMSCO	700	140	400	BECANCOUR	23	0:00	2:25	2:25	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1139		C1 215 MC2		-	80E1212	8000	82	0	0.75			110	DR	HR			
Drilling Assembly (At End of Tour)		MUD		00:00	02:00	04:00	06:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change			
1 SUB 1.17 m		Density kg/m <sup>3</sup>		1110	CAUSTIC 100K		Hours Operated		1	0	JAN 8		JAN 8				
1 X.O. 0.79 m		Viscosity s/L		48	POLY 1 PAIR		Hours Operated		2	0	JAN 8		JAN 8				
1 CORE 0.79 m		Filtrate cm <sup>3</sup>					Hours Operated		3	0	JAN 8		JAN 8				
1 BBL 10.79 m		pH		11.5			Hours Operated		4	0	JAN 8		JAN 8				
1 BOWLE PIN 0.27 m		Press kPa		Pump 1			Hours Operated		5	0	JAN 8		JAN 8				
		Pump 2		4700			Hours Operated		6	0	JAN 8		JAN 8				
5 Stands DC		S.P.M.		Pump 1			Hours Operated		Remarks								
2 Singles DC		Pump 2		52			Hours Operated		Double strap out								
2 Stands DP		Depth m		52			Hours Operated		no correction made								
2 Singles DP		Crown Stopper Checked?		OK			Hours Operated										
2 Kelly Down		Reset?		OK			Hours Operated										
Total		Kelly Cock Checked?		OK			Hours Operated										
Total		Rig Savers Checked?		OK			Hours Operated										
Force of String		Drill'g Line Record		32	10		3713		164850		Slipped (m)		Cut		Next Slip		
44000 daN		32		10		3713		164850		0		0		7150		1554	
		Weather		Clear		Good				Boiler In Use? Hrs		Camp In Use? Hrs		BOP Drill Yes No		Driller's Signature	
		Roads								8		0		No		Raymond Benoit	
1139		WAT		215	216	FMSCO	700	140	BECANCOUR	23	8:00	16:00	16:00	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1139		C1 215 MC2		0	80E1212	10000	82	4	8				DR	HR			
Drilling Assembly (At End of Tour)		MUD		08:00	10:00	12:00	14:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change			
1 SUB 1.17 m		Density kg/m <sup>3</sup>		1060	1050	1090	1080	POLYMER = 1 PM		Hours Operated		1	0	JAN 8			
1 X.O. 0.79 m		Viscosity s/L		42	53	53	50	KPA = 205		Hours Operated		2	0	JAN 8			
1 CORE 0.79 m		Filtrate cm <sup>3</sup>						SEA = 17.5		Hours Operated		3	0	JAN 8			
1 BBL 10.79 m		pH		11.5	11.5	11.5	11.5	BARYTES = 20.5		Hours Operated		4	0	JAN 8			
1 BOWLE PIN 0.27 m		Press kPa		Pump 1			Hours Operated		Remarks								
		Pump 2		5000	5000	4800	5000	Hours Operated		SHUT OFF							
5 Stands DC		S.P.M.		Pump 1			Hours Operated										
2 Singles DC		Pump 2		52	52	52	52	Hours Operated									
2 Stands DP		Depth m		52			Hours Operated										
2 Singles DP		Crown Stopper Checked?		OK			Hours Operated										
2 Kelly Down		Reset?		OK			Hours Operated										
Total		Kelly Cock Checked?		OK			Hours Operated										
Total		Rig Savers Checked?		OK			Hours Operated										
Force of String		Drill'g Line Record		32	10		3713		164850		Slipped (m)		Cut		Next Slip		
44000 daN		32		10		3713		164850		0		0		7150		1554	
		Weather		Clear		Good				Boiler In Use? Hrs		Camp In Use? Hrs		BOP Drill Yes No		Driller's Signature	
		Roads								8		0		No		Raymond Benoit	
1143		WAT		216	216	FMSCO	700	140	BECANCOUR	23	16:00	16:50	16:50	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1143		R6 216 J99		2-9.5	ZXIII	15000	50	30	8.75				DR	HR			
Drilling Assembly (At End of Tour)		MUD		16:00	18:00	20:00	22:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change			
1 Bit 1.36 m		Density kg/m <sup>3</sup>			BARYTES 20.5		Hours Operated		1	0	JAN 8		JAN 8				
1 STAB 3.74 m		Viscosity s/L			5/1181		Hours Operated		2	0	JAN 8		JAN 8				
1 SQ 8.18 m		Filtrate cm <sup>3</sup>					Hours Operated		3	0	JAN 8		JAN 8				
1 JOB 3.20 m		pH					Hours Operated		4	0	JAN 8		JAN 8				
1 X.O. 0.79 m		Press kPa		Pump 1			Hours Operated		5	0	JAN 8		JAN 8				
		Pump 2					Hours Operated		6	0	JAN 8		JAN 8				
6 Stands DC		S.P.M.		Pump 1			Hours Operated		Remarks								
3 Singles DC		Pump 2					Hours Operated		Mix Barytes 20.5 for Pill								
3 Stands DP		Depth m					Hours Operated		Recovered 4.60 m = 4.75m Core #1 (97%)								
2 Singles DP		Crown Stopper Checked?		OK			Hours Operated										
2 Kelly Down		Reset?		OK			Hours Operated										
Total		Kelly Cock Checked?		OK			Hours Operated										
Total		Rig Savers Checked?		OK			Hours Operated										
Force of String		Drill'g Line Record		32	10		4708		164850		Slipped (m)		Cut		Next Slip		
46000 daN		32		10		4708		164850		0		0		7150		1554	
		Weather		Clear		Good				Boiler In Use? Hrs		Camp In Use? Hrs		BOP Drill Yes No		Driller's Signature	
		Roads								8		0		No		Raymond Benoit	
1143		WAT		216	216	FMSCO	700	140	BECANCOUR	23	16:50	18:50	18:50	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1143		R6 216 J99		2-9.5	ZXIII	15000	50	30	8.75				DR	HR			
Drilling Assembly (At End of Tour)		MUD		16:00	18:00	20:00	22:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change			
1 Bit 1.36 m		Density kg/m <sup>3</sup>			BARYTES 20.5		Hours Operated		1	0	JAN 8		JAN 8				
1 STAB 3.74 m		Viscosity s/L			5/1181		Hours Operated		2	0	JAN 8		JAN 8				
1 SQ 8.18 m		Filtrate cm <sup>3</sup>					Hours Operated		3	0	JAN 8		JAN 8				
1 JOB 3.20 m		pH					Hours Operated		4	0	JAN 8		JAN 8				
1 X.O. 0.79 m		Press kPa		Pump 1			Hours Operated		5	0	JAN 8		JAN 8				
		Pump 2					Hours Operated		6	0	JAN 8		JAN 8				
6 Stands DC		S.P.M.		Pump 1			Hours Operated		Remarks								
3 Singles DC		Pump 2					Hours Operated		Mix Barytes 20.5 for Pill								
3 Stands DP		Depth m					Hours Operated		Recovered 4.60 m = 4.75m Core #1 (97%)								
2 Singles DP		Crown Stopper Checked?		OK			Hours Operated										
2 Kelly Down		Reset?		OK			Hours Operated										
Total		Kelly Cock Checked?		OK			Hours Operated										
Total		Rig Savers Checked?		OK			Hours Operated										
Force of String		Drill'g Line Record		32	10		4708		164850		Slipped (m)		Cut		Next Slip		
46000 daN		32		10		4708		164850		0		0		7150		1554	
		Weather		Clear		Good				Boiler In Use? Hrs		Camp In Use? Hrs		BOP Drill Yes No		Driller's Signature	
		Roads								8		0		No		Raymond Benoit	
1143		WAT		216	216	FMSCO	700	140	BECANCOUR	23	18:50	23:00	23:00	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1143		R6 216 J99		2-9.5	ZXIII	15000	50	30	8.75				DR	HR			
Drilling Assembly (At End of Tour)		MUD		16:00	18:00	20:00	22:00	Additives in kg		Desilter / Desander		Motor Hours		Next Oil Change			
1 Bit 1.36 m		Density kg/m <sup>3</sup>			BARYTES 20.5		Hours Operated		1	0	JAN 8		JAN 8				
1 STAB 3.74 m		Viscosity s/L			5/1181		Hours Operated		2	0	JAN 8		JAN 8				
1 SQ 8.18 m		Filtrate cm <sup>3</sup>					Hours Operated		3	0	JAN 8		JAN 8				
1 JOB 3.20 m		pH					Hours Operated		4	0	JAN 8		JAN 8				
1 X.O. 0.79 m		Press kPa		Pump 1			Hours Operated		5	0	JAN 8		JAN 8				
		Pump 2					Hours Operated		6	0	JAN 8		JAN 8				
6 Stands DC		S.P.M.		Pump 1			Hours Operated		Remarks								
3 Singles DC		Pump 2					Hours Operated		Mix Barytes 20.5 for Pill								
3 Stands DP		Depth m					Hours Operated		Recovered 4.60 m = 4.75m Core #1 (97%)								
2 Singles DP		Crown Stopper Checked?		OK			Hours Operated										
2 Kelly Down		Reset?		OK			Hours Operated										
Total		Kelly Cock Checked?		OK			Hours Operated										
Total		Rig Savers Checked?		OK			Hours Operated										
Force of String		Drill'g Line Record		32	10		4708		164850		Slipped (m)		Cut		Next Slip		
46000 daN		32		10		4708		164850		0		0		7150		1554	
		Weather		Clear		Good				Boiler In Use? Hrs		Camp In Use? Hrs		BOP Drill Yes No		Driller's Signature	
		Roads								8		0		No		Raymond Benoit	
1143		WAT		216	216	FMSCO	700	140	BECANCOUR	23	23:00	24:00	24:00	1	6	6	
From To Metres		No. Size mm Type		Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream.	Hrs.	Torque	T	B	G		
1143		R6 21															



Rig No. **6**

Well Name **SOQUIP PETRO-FINA 1# BECANCOUR**

Rig No. **6**

Date Year **81** Month **1** Day **5**

Pump No. 1	Type	Stroke Length mm	Pump No. 2	Type	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl							
<b>1123</b>	<b>NATIONAL</b>	<b>127</b>	<b>EMSCO</b>	<b>700</b>	<b>406</b>	<b>BECANCOUR 1#</b>	<b>22</b>	<b>00:00</b>	<b>8:00</b>	<b>8:00</b>							
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs	Ream	Hrs	Torque	T	B	G
			<b>5</b>	<b>216</b>	<b>J99</b>	<b>2.75</b>	<b>29013</b>	<b>12000</b>	<b>50</b>	<b>252226</b>				<b>80</b>	<b>DR L</b>		

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
<b>1</b>	<b>NBS 1.36</b>	Density kg/m <sup>3</sup>	<b>1090</b>	<b>1110</b>	<b>1105</b>	<b>1105</b>	<b>KCL = 12 SACKS</b>	Hours Operated	<b>1</b>	<b>8 JANV 8</b>
<b>3</b>	<b>STARS 3.74</b>	Viscosity s/L	<b>44</b>	<b>46</b>	<b>45</b>	<b>49</b>	<b>CAUSTIC = 150KG</b>	U.F. Density kg/m <sup>3</sup>	<b>2</b>	<b>8 JANV 8</b>
<b>1</b>	<b>S.O. 8.18</b>	Filtrate cm <sup>2</sup>	<b>115</b>	<b>115</b>	<b>115</b>	<b>115</b>	<b>POLYMER = 2 Pail</b>	O.F. Density kg/m <sup>3</sup>	<b>3</b>	<b>8 JANV 8</b>
<b>1</b>	<b>JARS 5.20</b>	pH	<b>11.5</b>	<b>11.5</b>	<b>11.5</b>	<b>11.5</b>	<b>GCL = 23 SACKS</b>	Flow Rate L/min	<b>4</b>	
<b>1</b>	<b>X.O. 0.79</b>	Press kPa	<b>3000</b>	<b>3300</b>	<b>3400</b>	<b>4000</b>		Pressure kPa	<b>5</b>	
<b>5</b>	<b>Stands DC 141.24</b>	S.P.M.	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>			<b>6</b>	
<b>2</b>	<b>Stands DP 967.25</b>	Depth m								
<b>1</b>	<b>Singles DP 3.19</b>	Depth m								
<b>1</b>	<b>Kelly Down 3.19</b>									
<b>Total</b>	<b>1131.00</b>									

Force of String	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
<b>45000</b>	<b>35</b>	<b>10</b>	<b>1131</b>	<b>164850</b>	<b>0</b>	<b>0</b>	<b>7150</b>	<b>1554</b>	<b>OVERCAST</b>	<b>GOOD</b>	

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
<b>1131</b>	<b>1134 3</b>	Density kg/m <sup>3</sup>	<b>1070</b>	<b>1030</b>			<b>KCL 12 SACKS</b>	Hours Operated	<b>1</b>	<b>8 JAN 8</b>
<b>1</b>	<b>NBS 1.36</b>	Viscosity s/L	<b>52</b>	<b>59</b>			<b>POLYMER 1 PAIL</b>	U.F. Density kg/m <sup>3</sup>	<b>2</b>	<b>8 JAN 8</b>
<b>3</b>	<b>STARS 3.74</b>	Filtrate cm <sup>2</sup>	<b>11.5</b>	<b>11.5</b>			<b>BARYTES 20 SACKS</b>	O.F. Density kg/m <sup>3</sup>	<b>3</b>	<b>8 JAN 8</b>
<b>1</b>	<b>S.O. 8.18</b>	pH						Flow Rate L/min	<b>4</b>	
<b>1</b>	<b>JARS 5.20</b>	Press kPa	<b>3800</b>	<b>5000</b>				Pressure kPa	<b>5</b>	
<b>1</b>	<b>X.O. 0.79</b>	S.P.M.	<b>45</b>	<b>48</b>					<b>6</b>	
<b>5</b>	<b>Stands DC 141.29</b>	Depth m								
<b>34</b>	<b>Stands DP 964.25</b>	Depth m								
<b>1</b>	<b>Singles DP 6.19</b>									
<b>1</b>	<b>Kelly Down 6.19</b>									
<b>Total</b>	<b>1134</b>									

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

Driller **M. JACQUES**

Derrick **Y. CARON**

Motor **A. HAMEL**

Floor **M. CHARLAND**

Floor **S. BERUBE**

Assistant Derrick

INJURIES - COMPLETE BELOW

Force of String	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads
<b>45000</b>	<b>32</b>	<b>10</b>	<b>2518</b>	<b>164850</b>	<b>0</b>	<b>0</b>	<b>7150</b>	<b>1554</b>	<b>CLEAR</b>	<b>GOOD</b>	

No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
<b>1134</b>	<b>1139 5</b>	Density kg/m <sup>3</sup>	<b>1030</b>		<b>1050</b>	<b>1090</b>	<b>BARYTES = 20 SACKS</b>	Hours Operated	<b>1</b>	<b>8 JAN 8</b>
<b>1</b>	<b>NBS 1.36</b>	Viscosity s/L	<b>45</b>	<b>45</b>			<b>1 Polymer</b>	U.F. Density kg/m <sup>3</sup>	<b>2</b>	<b>8 JAN 8</b>
<b>3</b>	<b>STARS 3.74</b>	Filtrate cm <sup>2</sup>	<b>TRIP</b>				<b>KCL 18</b>	O.F. Density kg/m <sup>3</sup>	<b>3</b>	<b>8 JAN 8</b>
<b>1</b>	<b>S.O. 8.18</b>	pH	<b>11.5</b>	<b>11.5</b>			<b>CAUSTIC 50KG</b>	Flow Rate L/min	<b>4</b>	
<b>1</b>	<b>JARS 5.20</b>	Press kPa	<b>5000</b>	<b>3500</b>	<b>4900</b>			Pressure kPa	<b>5</b>	
<b>1</b>	<b>X.O. 0.79</b>	S.P.M.	<b>80</b>	<b>80</b>					<b>6</b>	
<b>6</b>	<b>Stands DC 169.44</b>	Depth m								
<b>35</b>	<b>Stands DP 939.58</b>	Depth m								
<b>1</b>	<b>Singles DP 10.71</b>									
<b>1</b>	<b>Kelly Down 10.71</b>									
<b>Total</b>	<b>1139</b>									

TOUR ② 08:00 - 16:00

Driller **R. BERUBE**

Derrick **J. DUBEAU**

Motor **N. 2 QUZE**

Floor **R. YOUSIGNANT**

Floor **G. TRUDEL**

Lease **L. BERGEMIN**

Mechanic **G. BLANCHET**

Assistant Derrick

INJURIES - COMPLETE BELOW

TOUR ③ 16:00 - 24:00

Driller **T. Turriff**

Derrick **R. ZARPOCHEWE**

Motor **Kim Turriff**

Floor **P. CAYLER**

Floor **M. ZEMBY**

Lease

Other

Assistant Derrick

INJURIES - COMPLETE BELOW

BOPS	Tested	Checked	Ran	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)	Approved by Operator's Representative
	Minutes	Pressure kPa	Open & Close	To	K.B. Used	Sx	Fuel Rec'd Today	To / From
Hydri					Cem Plus	%	Total	
Pipe Rams					Plug Down @	hrs	Fuel @ 23:59	
Blind Rams					m <sup>3</sup> Returns		Fuel Used	
Drill Pipe Record	Size mm	Grade	Plum	# 2	# 3	Other - Specify	Totals	Total on Loc
							O.D. mm	Drill Collars on Loc.
							No.	No.

TOUR ④ 00:00 - 08:00

Driller **R. BERUBE**

Derrick **J. DUBEAU**

Motor **N. 2 QUZE**

Floor **R. YOUSIGNANT**

Floor **G. TRUDEL**

Lease **L. BERGEMIN**

Mechanic **G. BLANCHET**

Assistant Derrick

INJURIES - COMPLETE BELOW

I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY, AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position

Tour

Signature

Hrs.

Toolpusher's Approval

Safety Talks

Given By:

Subject:

Given By:

Subject:

Approved by Operator's Representative

Responsible Toolpusher

**Bernard Desjardins**







Pump No. 1		Type		Liner Size mm	Stroke Length mm	Pump No. 2		Type		Liner Size mm	Stroke Length mm	Location		Report Number	Start	Time Stop	Intvl	Date	Rig No.			
1063		NATIONAL B 880		216	216	EMSCO D700		EMSCO D700		216	406	BECANCOUR		19	0600	1715	175	81	1	26		
1075		12		3	216	5.55	2-9.5	62070	12000	60	26	14.50	90	DRLG	DRILL 216mm HOLE survey Rig service DRILL				I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!			
1075		12		3	216	5.55	2-9.5	62070	12000	60	26	14.50	90	DRLG	DRILL 216mm HOLE survey Rig service DRILL				I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!			
1075		12		3	216	5.55	2-9.5	62070	12000	60	26	14.50	90	DRLG	DRILL 216mm HOLE survey Rig service DRILL				I ACKNOWLEDGE HAVING WORKED THESE HOURS, DURING THIS TIME I RECEIVED NO INJURY!			
1075		1087		12		3		216	5.55	2-9.5	62070	12000	60	38	22.50	90	DR	DRILL 216 M.M. HOLE RIG SERVICE ON CONNECTION		INJURIES - COMPLETE BELOW		
1075		1087		12		3		216	5.55	2-9.5	62070	12000	60	38	22.50	90	DR	DRILL 216 M.M. HOLE RIG SERVICE ON CONNECTION		INJURIES - COMPLETE BELOW		
1075		1087		12		3		216	5.55	2-9.5	62070	12000	60	38	22.50	90	DR	DRILL 216 M.M. HOLE RIG SERVICE ON CONNECTION		INJURIES - COMPLETE BELOW		
1075		1087		12		3		216	5.55	2-9.5	62070	12000	60	38	22.50	90	DR	DRILL 216 M.M. HOLE RIG SERVICE ON CONNECTION		INJURIES - COMPLETE BELOW		
1087		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1087		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1087		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1087		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	
1089		1089		2		3		216	5.55	2-9.5	62070	12000	60	40	24.50	5	3	0.4	DRILL 216 M.M. HOLE <del>GRAB CUT AND RUN DIALS</del> <del>GRAB</del>		INJURIES - COMPLETE BELOW	





# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

12080

Rig No. **6** Well Name **5099ip PETRO-FINA #1 Bécancaur**

Pump No. 1		Type	Line Size mm	Stroke Length mm	Pump No. 2	Type	Line Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																			
975		NATIONAL BPS	127	216	EMSCO 0700		140	406	Bécancaur	17	06:00	2:00	2:00																																																																																																			
From	To	Metres																																																																																																														
975	996	21																																																																																																														
<table border="1"> <thead> <tr> <th>No.</th> <th>Drilling Assembly (At End of Tour)</th> <th>MUD</th> <th>00:00</th> <th>02:00</th> <th>04:00</th> <th>06:00</th> <th>Additives in kg</th> <th>Desilter / Desander</th> <th>Motor Hours</th> <th>Next Oil Change</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SR3 1.69 m</td> <td>Density kg/m<sup>3</sup></td> <td>1050</td> <td>1020</td> <td>1000</td> <td>1010</td> <td>GEL 12 SACKS</td> <td>Hours Operated</td> <td>1</td> <td>8</td> </tr> <tr> <td>2</td> <td>STABS 3.74 m</td> <td>Viscosity s/L</td> <td>70</td> <td>50</td> <td>47</td> <td>45</td> <td>KCL 10 SACKS</td> <td>U.F. Density kg/m<sup>3</sup></td> <td>2</td> <td>8</td> </tr> <tr> <td>3</td> <td>S.O. 8.18 m</td> <td>Filtrate cm<sup>3</sup></td> <td></td> <td></td> <td></td> <td></td> <td>POLYMER 1 PAUL</td> <td>O.F. Density kg/m<sup>3</sup></td> <td>3</td> <td>8</td> </tr> <tr> <td>4</td> <td>JARS 5.20 m</td> <td>pH</td> <td>11.5</td> <td>11.0</td> <td>11.0</td> <td>11.5</td> <td>CAUSTIC 100 Kg</td> <td>Flow Rate L/min</td> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td>X.O. 0.79 m</td> <td>Press kPa</td> <td>7000</td> <td>6200</td> <td>6200</td> <td>5800</td> <td></td> <td>Pressure kPa</td> <td>5</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>S.P.M.</td> <td>Pump 1</td> <td>130</td> <td>130</td> <td>130</td> <td>50</td> <td>Remarks</td> <td>6</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Pump 2</td> <td></td> <td></td> <td></td> <td></td> <td>1 BARREL OF FINA UNIVERSAL #30</td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 BARREL OF SCAVENGER</td> <td></td> <td></td> </tr> </tbody> </table>														No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change	1	SR3 1.69 m	Density kg/m <sup>3</sup>	1050	1020	1000	1010	GEL 12 SACKS	Hours Operated	1	8	2	STABS 3.74 m	Viscosity s/L	70	50	47	45	KCL 10 SACKS	U.F. Density kg/m <sup>3</sup>	2	8	3	S.O. 8.18 m	Filtrate cm <sup>3</sup>					POLYMER 1 PAUL	O.F. Density kg/m <sup>3</sup>	3	8	4	JARS 5.20 m	pH	11.5	11.0	11.0	11.5	CAUSTIC 100 Kg	Flow Rate L/min	4		5	X.O. 0.79 m	Press kPa	7000	6200	6200	5800		Pressure kPa	5				S.P.M.	Pump 1	130	130	130	50	Remarks	6					Pump 2					1 BARREL OF FINA UNIVERSAL #30											1 BARREL OF SCAVENGER		
No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change																																																																																																						
1	SR3 1.69 m	Density kg/m <sup>3</sup>	1050	1020	1000	1010	GEL 12 SACKS	Hours Operated	1	8																																																																																																						
2	STABS 3.74 m	Viscosity s/L	70	50	47	45	KCL 10 SACKS	U.F. Density kg/m <sup>3</sup>	2	8																																																																																																						
3	S.O. 8.18 m	Filtrate cm <sup>3</sup>					POLYMER 1 PAUL	O.F. Density kg/m <sup>3</sup>	3	8																																																																																																						
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5	X.O. 0.79 m	Press kPa	7000	6200	6200	5800		Pressure kPa	5																																																																																																							
		S.P.M.	Pump 1	130	130	130	50	Remarks	6																																																																																																							
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Date	Rig No.		
Year 80 Month 12 Day 31	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. TRÉPANIÉ	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 S. BÉRUBÉ	8		
Lease L. BERGEVIN	8		
Mechanic C. BLANCHETTE	8		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
Tour ③ 16:00 - 24:00	Hrs.		
Driller R. BÉRUBÉ	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		









Rig No. #6 Well Name SOQUIP-Retro Fina Becancour

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No.	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	
1	National	127	216	1	Emsco D-700	140	406	Becancour	13	2:40	1:50	1:50	
From	To	Metres											
684	712	28											
No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change			
1	Bit SR3 1.69 m	Density kg/m <sup>3</sup>	1060	1060	1060	1060	12 KC 25XS	Hours Operated 2 HRS	1	8:00	9:00	1	
1	3 STARS 3.74 m	Viscosity s/L	45	45	48	45	20 KC 25XS	U.F. Density kg/m <sup>3</sup> 1150	2	8:00	9:30	.50	
1	1 SA 8.18 m	Filtrate cm <sup>3</sup>					50 KC 10 CAUSTIC	O.F. Density kg/m <sup>3</sup> 1045	3	8:00	15:30	6:00	
1	1 JARS 5.20 m	pH	11.5	11.5	11.5	11.5		Flow Rate L/min 12.2	4	8:00	15:50	25	
1	1 X.O 0.79 m	Press kPa	4000	4000	4000	4000		Pressure kPa	5	8:00	16:00	.25	
5	Stands DC 141.49 m	S.P.M.	48	120	120	12			6	8:00			
19	Stands DP 546.17 m	Depth m	690	312									
1	Singles DP 4.94 m	Crown Stopper Checked?	✓	Reset?	✓	Kelly Cock Checked?	✓	Rig Savers Checked?	✓				
Total	Force of String 35000 daN	Drill'g Line Record	32	10	0	146724	0	0	7150	1585	Clear	Good	
From	To	Metres											
712	747	35											
No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change			
1	Bit SR3 1.69 m	Density kg/m <sup>3</sup>	1060	1060	1060	1060	CAUSTIC 25 Kg	Hours Operated 7	1	8:00	9:00	1	
1	3 STARS 3.74 m	Viscosity s/L	45	45	40	70	GEL 13 SACKS	U.F. Density kg/m <sup>3</sup> 1130	2	8:00	9:30	.50	
1	1 SA 8.18 m	Filtrate cm <sup>3</sup>					KCL 10 SACKS	O.F. Density kg/m <sup>3</sup> 1050	3	8:00	15:30	6:00	
1	1 JARS 5.20 m	pH	11.5	11.5	11.5	11.5	POLYMER 1 PAIL	Flow Rate L/min 12	4	8:00	15:50	25	
1	1 X.O 0.79 m	Press kPa	4620	4000	4000	4610		Pressure kPa	5	8:00	16:00	.25	
5	Stands DC 141.49 m	S.P.M.	45	120	120	45			6	8:00			
20	Stands DP 574.19 m	Depth m	714	338									
3	Singles DP 5.74 m	Crown Stopper Checked?	OK	Reset?	OK	Kelly Cock Checked?	OK	Rig Savers Checked?	OK				
1	Kelly Down 12.00 m	Force of String 35000 daN	Drill'g Line Record	32	10	0	146724	0	0	7150	1585	Clear	Good
From	To	Metres											
747	776	29											
No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change			
1	Bit SR3 1.69 m	Density kg/m <sup>3</sup>	1070	1070	1070	1060	KCL 10	Hours Operated 8	1	8:00	23:35	7:25	
1	3 STARS 3.74 m	Viscosity s/L	54	47	46	47	CAUSTIC 50KG	U.F. Density kg/m <sup>3</sup> 1120	2	8:00	23:35	23:50	.25
1	1 SA 8.18 m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup> 1045	3	8:00	23:50	24:00	.50
1	1 JARS 5.20 m	pH	11.5	11.5	11.5	11.5		Flow Rate L/min 12.2	4	8:00			
1	1 X.O 0.79 m	Press kPa	4000	4000	4000	4000		Pressure kPa	5	8:00			
5	Stands DC 141.49 m	S.P.M.	50	180	120	120			6	8:00			
21	Stands DP 612.04 m	Depth m	775	40									
2	Singles DP 6.12 m	Crown Stopper Checked?	OK	Reset?	OK	Kelly Cock Checked?	OK	Rig Savers Checked?	OK				
1	Kelly Down 3.07 m	Force of String 35000 daN	Drill'g Line Record	32	10	0	146724	0	0	7150	1585	Clear	Good
From	To	Metres											
776	776	0											

Date	Year	Month	Day	Rig No.
	80	12	27	#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				
Driller	T. Turriff			8
Derrick	R. Larochelle			8
Motor	Kim Turriff			8
Floor	P. Cayer			8
Floor	M. Hamay			8
Lease				
Other				
Assistant Derrick				
INJURIES - COMPLETE BELOW				
TOUR ② 08:00 - 16:00				
Driller	R. Bedard			8
Derrick	L. TURRIFF			8
Motor	R. TRÉPANIÉ			8
Floor	P. TOUSIGNANT			8
Floor	C. Bérubé			8
Lease	L. Bergerin			8
Mechanic	C. BLANCHETTE			8
Assistant Derrick				
INJURIES - COMPLETE BELOW				
TOUR ③ 16:00 - 24:00				
Driller	M. JACQUES			8
Derrick	Y. CARON			8
Motor	A. HAMMEL			8
Floor	M. CHARLAND			8
Floor	S. BÉRUBE			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.	
DRILLER	304	Roland Bedard	8	
spulge chain		Broke out my eye	NO LOSSTIME	
Toolpusher's Approval				
SAFETY TALKS				
Given By:				
Subject				
Approved by Operator's Representative				
Approved by Toolpusher				
Approved by Driller				
Approved by Subject				
Equipment Transfers (Including Rental)				
To / From	Trans #			
Fuel @ 00:00				
To	K.B.Used	CSG	Fuel Rec'd Today	
Cem Plus % Total				
Plug Down @ hrs Fuel @ 23:59				
m <sup>3</sup> Returns Fuel Used				
Totals Total on Loc.				
Drill Collars on Loc.				
O.D. mm	NO	O.D. mm	No.	

From	To	Metres
684	712	28
712	747	35
747	776	29



Rig No. #6 Well Name SOQUIP-Petro Fina Becancour

Pump No. 1		Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl	Date	Rig No.				
571 609 38		8880	127	206	700	406	Becancour		12	8:00	1:00	1:00	80	12	#6				
From To Metres		No.	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G				
571 609 38		2	216 533	219.5	63835	4000	80	202	37.5										
Drilling Assembly (At End of Tour)		MUD				Desilter / Desander				Motor Hours		Next Oil Change							
1 Bit SR3 1.69 m		Density kg/m³ 1060 1060 1060 1060				Hours Operated 8 HRS				1 8		Jan 08							
3 STABS 3.74 m		Viscosity s/L 60 50 50 48				U.F. Density kg/m³ 1160				2 8		Jan 08							
1 SA 8.18 m		Filtrate cm³ 20.9 L/S x 5				O.F. Density kg/m³ 1050				3 8		Jan 08							
1 SABS 5.20 m		pH 11.5 11.5 11.5 11.5				Flow Rate L/min 12.2				4									
1 XO 0.79 m		Press kPa Pump 1 4000 4500				Pressure kPa				5									
		Pump 2 4000 4000				Remarks				6									
5 Stands DC 141.49 m		S.P.M. Pump 1 120 120																	
Singles DC		Pump 2 45 45																	
18 Stands DP 442.78 m		Depth m																	
Singles DP		577 m 3 3/4																	
Kelly Down 5.33 m		606 m 3 3/4				Crown Stopper Checked? <input checked="" type="checkbox"/>				Reset? <input checked="" type="checkbox"/>		Kelly Cock Checked? <input checked="" type="checkbox"/>		Rig Savers Checked? <input checked="" type="checkbox"/>					
Total 609 m		Drill'g Line Record 35 10 0 146734 0 7150 1585 Clear Good				Weather Roads				Boiler In Use? Hrs. 8		Camp In Use? Hrs. 0		BOP Drill Yes No <input checked="" type="checkbox"/>		Driller's Signature <i>[Signature]</i>			
609 653 44		2	216 533	219.5	63835	4000	80	246	47.50										
Drilling Assembly (At End of Tour)		MUD				Desilter / Desander				Motor Hours		Next Oil Change							
1 Bit SR3 1.69 m		Density kg/m³ 1060 1060 1060 1060				Hours Operated 13				1 3		Jan 08							
3 STABS 3.74 m		Viscosity s/L 48 45 42 53				U.F. Density kg/m³ 1160				2 3		Jan 08							
1 SA 8.18 m		Filtrate cm³ 20.9 L/S x 5				O.F. Density kg/m³ 1050				3 3		Jan 08							
1 SABS 5.20 m		pH 11.5 11.5 11.5 11.5				Flow Rate L/min 12.2				4									
1 XO 0.79 m		Press kPa Pump 1 4500 4500				Pressure kPa				5									
		Pump 2 4500 4500				Remarks 1 BARREL OF SCAVENGER				6									
5 Stands DC 141.4 m		S.P.M. Pump 1 120 120																	
Singles DC		Pump 2 45 45																	
18 Stands DP 480.2 m		Depth m																	
Singles DP		634 3 3/4																	
Kelly Down 12.02 m		653 m				Crown Stopper Checked? <input checked="" type="checkbox"/>				Reset? <input checked="" type="checkbox"/>		Kelly Cock Checked? <input checked="" type="checkbox"/>		Rig Savers Checked? <input checked="" type="checkbox"/>					
Total 653 m		Drill'g Line Record 32 10 0 146724 0 7150 1585 Clear Good				Weather Roads				Boiler In Use? Hrs. 8		Camp In Use? Hrs. 0		BOP Drill Yes No <input checked="" type="checkbox"/>		Driller's Signature <i>[Signature]</i>			
653 684 31		2	216 533	219.5	63835	4000	80	277	55.2										
Drilling Assembly (At End of Tour)		MUD				Desilter / Desander				Motor Hours		Next Oil Change							
1 Bit SR3 1.69 m		Density kg/m³ 1070 1065 1050 1050				Hours Operated 8 HRS				1 8		JANV 08							
3 STABS 3.74 m		Viscosity s/L 48 40 41 42				U.F. Density kg/m³ 1160				2 8		JANV 08							
1 SA 8.18 m		Filtrate cm³ 20.9 L/S x 5				O.F. Density kg/m³ 1050				3 8		JANV 08							
1 SABS 5.20 m		pH 11.5 11.5 11.5 11.5				Flow Rate L/min 12.2				4									
1 XO 0.79 m		Press kPa Pump 1 4500 4000				Pressure kPa				5									
		Pump 2 5000 4000				Remarks				6									
5 Stands DC 141.49 m		S.P.M. Pump 1 120 120																	
Singles DC		Pump 2 50 50																	
18 Stands DP 519.41 m		Depth m																	
Singles DP		662 3 3/4																	
Kelly Down 5.70 m		678 m				Crown Stopper Checked? <input checked="" type="checkbox"/>				Reset? <input checked="" type="checkbox"/>		Kelly Cock Checked? <input checked="" type="checkbox"/>		Rig Savers Checked? <input checked="" type="checkbox"/>					
Total 678 m		Drill'g Line Record 32 10 0 146734 0 7150 1585 Snow Good				Weather Roads				Boiler In Use? Hrs. 8		Camp In Use? Hrs. 0		BOP Drill Yes No <input checked="" type="checkbox"/>		Driller's Signature <i>[Signature]</i>			
BOPS		Tested		Checked		C.A.S.I.N.G.		Ran		JTS		CSG		Fuel @ 00:00		Equipment Transfers (Including Rental)		Approved by Operator's Representative	
Hydri		Minutes		Pressure kPa		Open & Close		To		K.B.Used		Sx		Fuel Rec'd Today		To / From		Trans #	
Pipe Rams								Cem Plus		%		Total						Approved by Toolpush	
Blind Rams								Plug Down @		hrs		Fuel @ 23:59							
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	Start	End	Driller	Derrick	Motor	Floor	Lease	Mechanic	Assistant Derrick
TOUR ①	00:00	08:00	T. Turriff	R. Larochelle	Kim Turriff	P. Cayer	M. LEMAY		
TOUR ②	08:00	16:00	R. Bedard	L. TURRIFF	R. TREPANIER	P. TOUSIGNANT	C. BÉRUBÉ		
TOUR ③	16:00	24:00	M. JACQUES	Y. CARON	A. HAMEL	M. CHARLANO	S. BÉRUBÉ		

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW - DURING THIS TIME I RECEIVED NO 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: \_\_\_\_\_



# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

12049

Rig No. #46

Well Name SOQUIP - Petro Fina Becancour #1

Date Year 80 Month 12 Day 25 #6

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
456	National	216	216	2	Chassis D-700	216	216	Becancour	10	5:40	7:05	1:25
495		216	216	2		216	216			7:05	7:50	0:45
537		216	216	2		216	216			12:75	13:00	0:25
571		216	216	2		216	216			16:00	19:50	3:50
571		216	216	2		216	216			19:50	19:75	0:25
571		216	216	2		216	216			19:75	24:00	4:25

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	SR3 1.69	Density kg/m <sup>3</sup>	1070	1070	1060	1060	9 KCL 5XS	Hours Operated 8 HRS	1	Jan 8
2	STARS 3.74	Viscosity s/L	50	52	55	54	50 K.G. CAUSTIC	U.F. Density kg/m <sup>3</sup> 1170	2	Jan 8
3	SARS 5.20	Filtrate cm <sup>3</sup>	11.5	11.5	11.2	11.5	20 POLY 5XS	O.F. Density kg/m <sup>3</sup> 1050	3	Jan 8
4	X.O 0.79	pH	11.5	11.5	11.2	11.5		Flow Rate L/min 12L	4	
5		Press kPa	5000	5000	4200	4200		Pressure kPa	5	
6		S.P.M.	120	120	45	45			6	

Year	Month	Day	Rig No.
80	12	25	#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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
TOUR ②	08:00	16:00	8
TOUR ③	16:00	24:00	8

Driller: J. Turriff  
Derrick: R. Larochelle  
Motor: Kim Turriff  
Floor: P. Cayer  
Floor: M. Lalay

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	SR3 1.69	Density kg/m <sup>3</sup>	1050	1050	1050	1050	CAUSTIC	Hours Operated 8 Hrs	1	Jan 8
2	STARS 3.74	Viscosity s/L	50	43	40	40	POLYMER 20Kg	U.F. Density kg/m <sup>3</sup> 1140	2	
3	SARS 5.20	Filtrate cm <sup>3</sup>	11.5	11.5	11.5	11.5	KCL 10SACKS	O.F. Density kg/m <sup>3</sup> 1050	3	
4	X.O 0.79	pH	11.5	11.5	11.5	11.5		Flow Rate L/min 12L	4	
5		Press kPa	4300	44				Pressure kPa	5	
6		S.P.M.	122		50	50			6	

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	SR3 1.69	Density kg/m <sup>3</sup>	1065	1090	1060	1050	CAUSTIC 5DK	Hours Operated 8 HRS	1	JANV 8
2	STARS 3.74	Viscosity s/L	53	69	68	61	KCL 10SXS	U.F. Density kg/m <sup>3</sup> 1120	2	JANV 8
3	SARS 5.20	Filtrate cm <sup>3</sup>	11.5	11.5	11.5	11.5	POLY 16SXS	O.F. Density kg/m <sup>3</sup> 1050	3	JANV 8
4	X.O 0.79	pH	11.5	11.5	11.5	11.5	POLY 1 PAUL	Flow Rate L/min 12L	4	
5		Press kPa	4800	5000	5000			Pressure kPa	5	
6		S.P.M.	120	120	50	50			6	

Year	Month	Day	Rig No.
80	12	25	#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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
TOUR ②	08:00	16:00	8
TOUR ③	16:00	24:00	8

Driller: R. Bedard  
Derrick: L. TORRIFF  
Motor: R. TREPARIER  
Floor: P. TOUSIGNANT  
Floor: C. BÉREBE

No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	SR3 1.69	Density kg/m <sup>3</sup>	1065	1090	1060	1050	CAUSTIC 5DK	Hours Operated 8 HRS	1	JANV 8
2	STARS 3.74	Viscosity s/L	53	69	68	61	KCL 10SXS	U.F. Density kg/m <sup>3</sup> 1120	2	JANV 8
3	SARS 5.20	Filtrate cm <sup>3</sup>	11.5	11.5	11.5	11.5	POLY 16SXS	O.F. Density kg/m <sup>3</sup> 1050	3	JANV 8
4	X.O 0.79	pH	11.5	11.5	11.5	11.5	POLY 1 PAUL	Flow Rate L/min 12L	4	
5		Press kPa	4800	5000	5000			Pressure kPa	5	
6		S.P.M.	120	120	50	50			6	

No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
1	SR3 1.69	Density kg/m <sup>3</sup>	1065	1090	1060	1050	CAUSTIC 5DK	Hours Operated 8 HRS	1	JANV 8
2	STARS 3.74	Viscosity s/L	53	69	68	61	KCL 10SXS	U.F. Density kg/m <sup>3</sup> 1120	2	JANV 8
3	SARS 5.20	Filtrate cm <sup>3</sup>	11.5	11.5	11.5	11.5	POLY 16SXS	O.F. Density kg/m <sup>3</sup> 1050	3	JANV 8
4	X.O 0.79	pH	11.5	11.5	11.5	11.5	POLY 1 PAUL	Flow Rate L/min 12L	4	
5		Press kPa	4800	5000	5000			Pressure kPa	5	
6		S.P.M.	120	120	50	50			6	

Year	Month	Day	Rig No.
80	12	25	#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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
TOUR ②	08:00	16:00	8
TOUR ③	16:00	24:00	8

Driller: M. JACQUES  
Derrick: Y. CARON  
Motor: A. HAMEL  
Floor: M. CHARLAND  
Floor: S. BÉRUBÉ

Tested	Checked	Run	JTS	Equipment Transfers (Including Rental)
Minutes	Pressure kPa	Open & Close	K.B. Used	To / From
Hydri			Cem Plus	Trans #
Pipe Rams			Plug Down @	
Blind Rams			m <sup>3</sup> Returns	

Approved by Operator's Representative	Approved by Toolpusher
Roland Bedard	Gerard Ormrod

Position	Tour	Signature	Hrs.
Driller	1	M. JACQUES	8
Derrick	1	Y. CARON	8
Motor	1	A. HAMEL	8
Floor	1	M. CHARLAND	8
Floor	1	S. BÉRUBÉ	8





Rig No. #6 Well Name SOQUIP-Petro Fina Becancour #1

Date Year 80 Month 12 Day 23 #6 Rig No.

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl				
1	National 8P80	127	216	Enco D-700	406	140	406	Becancour	9	2400	350	360				
From	To	Metres														
230	266	36														
No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change						
1	216 XDV 219.5	1020	1020	1010	1020	20 2nd sxs	Hours Operated	1	8	Dec 24						
2	STARS 2.50	Viscosity s/L	40	50	60	48	U.F. Density kg/m³	2	8	Dec 24						
3	ISO 8.18	Filtrate cm³					O.F. Density kg/m³	3	8	Dec 24						
4	JARS 3.20	pH	11.5				Flow Rate L/min	4								
5	X.O 0.79	Press kPa	Pump 1	3000 2500 2600			Pressure kPa	5								
		Pump 2	3200				6									
		S.P.M.	Pump 1	120 120 120			Remarks	45 GALS. Universal 30								
		Pump 2	48													
4	Stands DC 113.32	Depth m	247 m			Depth m										
	Singles DC															
4	Stands DP 122.67	Depth m	256			Depth m										
	Singles DP															
	Kelly Down 12.00															
	Total 266															
Force of String	25,000 daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Weather	Roads	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature	Tom Turriff
From	To	Metres														
266	312	46														

Drill 216mm Hole  
Survey  
Drill 216mm Hole  
Survey & Rig Service

8:00 11:00 3:00  
11:00 11:25 25  
11:25 16:00 4:75

DRILL 216mm HOLE  
Survey Rig Service  
DRILL

8:00 11:00 3:00  
11:00 11:25 25  
11:25 16:00 4:75

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

Tour	Start	End	Hrs.
TOUR ①	00:00	08:00	
Driller	T. Turriff		
Derrick	R. Harochelle		
Motor	Kim Turriff		
Floor	P. Caver		
Floor	M. Lalley		
Lease			
Other	Total 8		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ②	08:00	16:00	
Driller	R. Bidard		
Derrick	L. TURRIFF		
Motor	R. TREPANIER		
Floor	P. TOUSIGNANT		
Floor	C. Berube		
Lease	L. Bergeron		
Mechanic	C. Blanchette		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00	24:00	
Driller	M. JACQUES		
Derrick	Y. CARON		
Motor	D. HAMEL		
Floor	M. CHARLAND		
Floor	S. BERUBE		
Lease			
Other	Total 8		
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.)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:	Subject		
Given By:	Subject		

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl					
1	National 8P80	127	216	Enco D-700	406	140	406	Becancour	9	8:00	11:00	3:00					
From	To	Metres															
266	312	46															
No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change							
1	216 XDV 219.5	1020	1030	1130	1050	6 KCL sxs	Hours Operated	1	8	8 Janv							
2	STARS 2.50	Viscosity s/L	40	45	40	45	1 POLYMER	2	8	8 Janv							
3	ISO 8.18	Filtrate cm³					O.F. Density kg/m³	3	8								
4	JARS 3.20	pH	11.5				Flow Rate L/min	4									
5	X.O 0.79	Press kPa	Pump 1	3200 3200 3800			Pressure kPa	5									
		Pump 2	3800				6										
		S.P.M.	Pump 1	120 120 120			Remarks	DUMP SHAKER PANK									
		Pump 2	50														
4	Stands DC 113.32	Depth m	285			Depth m											
	Singles DC																
6	Stands DP 169.05	Depth m	285			Depth m											
	Singles DP																
	Kelly Down 12.00																
	Total 312																
Force of String	25,000 daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature	Roland Bidard
From	To	Metres															
312	354	42															

DRILL 216mm HOLE  
Survey Rig Service  
DRILL

8:00 11:00 3:00  
11:00 11:25 25  
11:25 16:00 4:75

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	
Driller	R. Bidard		
Derrick	L. TURRIFF		
Motor	R. TREPANIER		
Floor	P. TOUSIGNANT		
Floor	C. Berube		
Lease	L. Bergeron		
Mechanic	C. Blanchette		
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00	24:00	
Driller	M. JACQUES		
Derrick	Y. CARON		
Motor	D. HAMEL		
Floor	M. CHARLAND		
Floor	S. BERUBE		
Lease			
Other	Total 8		
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.)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:	Subject		
Given By:	Subject		

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl					
1	National 8P80	127	216	Enco D-700	406	140	406	Becancour	9	16:00	16:25	25					
From	To	Metres															
312	354	42															
No.	Drilling Assembly (At End of Tour)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change							
1	216 XDV 219.5	1040	1050	1050	1050	KCL 14 sxs	Hours Operated	1	8	8 JANV							
2	STARS 2.50	Viscosity s/L	40	46	45	45	PAUSTIE 50kg	2	8	8 JANV							
3	ISO 8.18	Filtrate cm³					O.F. Density kg/m³	3	8	8 JANV							
4	JARS 3.20	pH	11.5				Flow Rate L/min	4									
5	X.O 0.79	Press kPa	Pump 1	3200 3200 3200			Pressure kPa	5									
		Pump 2	3200				6										
		S.P.M.	Pump 1	120 120 120			Remarks	OIL HYDRA FLO									
		Pump 2	120														
4	Stands DC 113.32	Depth m	312			Depth m											
	Singles DC																
7	Stands DP 216.48	Depth m	341			Depth m											
	Singles DP																
	Kelly Down 5.84																
	Total 354																
Force of String	26,000 daN	Drill'g Line Record	Size mm	No. Lines	MegaJoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads	Boiler In Use? Hrs.	Camp In Use? Hrs.	BOP Drill Yes No	Driller's Signature	Maurice Jacques
From	To	Metres															
312	354	42															

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

DRILL 216mm HOLE  
SERVEY RIG SERVICE  
DRILL

16:00 16:25 25  
16:55 16:50 35  
16:50 21:00 4:50

21:00 21:25 25  
21:25 24:00 2:75

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	
Driller	M. JACQUES		
Derrick	Y. CARON		
Motor	D. HAMEL		
Floor	M. CHARLAND		
Floor	S. BERUBE		
Lease			
Other	Total 8		
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.)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:	Subject		
Given By:	Subject		





# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

Rig No. #6

Well Name SOAUP-Petro Fina Becancour No. 1

12045

Pump No. 1	Type	Inner size mm	Stroke Length mm	Pump No. 2	Type	Inner size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl
1	National 8850	127	216	2	Emasco 700	170	706	Becancour	7	0:	:	:

From	To	Metres	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)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	Dec 24
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	Dec 24
		Filtrate cm <sup>3</sup>						G.F. Density kg/m <sup>3</sup>	3	Dec 24
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

NIPPLE UP BOPS  
BLOWEE LINES  
ETC

8:00

8

Date	Rig No.
Year 80 Month 12 Da 21	#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	Start	End	Hrs.
TOUR ①	00:00	08:00	8
Driller	T. Turriff		8
Derrick	R. Harochelle		8
Motor	Kim Turriff		8
Floor	P. Cayer		8
Floor	M. Lalley		8

INJURIES - COMPLETE BELOW

From	To	Metres	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)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	Dec 24
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	Dec 24
		Filtrate cm <sup>3</sup>						G.F. Density kg/m <sup>3</sup>	3	Dec 24
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

NIPPLE UP BOPSTEAM  
line)  
RIG MP NEW SWACO  
LINE  
PRESSURE TEST BLINDRAMS  
SWEEP MANIFOLD  
TO 9,000 KPA. HELD  
OKAY

8:00

16:00

8

Tour	Start	End	Hrs.
TOUR ②	08:00	16:00	8
Driller	R. Bedard		8
Derrick	L. TURRIFF		8
Motor	R. TRÉPANIÉ		8
Floor	P. TOUSIGNANT		8
Floor	C. Bérubé		8
Lease			
Mechanic	C. Blanchette		8

INJURIES - COMPLETE BELOW

From	To	Metres	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)	MUD	16:00	18:00	20:00	22:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
	Bit	Density kg/m <sup>3</sup>						Hours Operated	1	DEC 24
		Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	DEC 24
		Filtrate cm <sup>3</sup>						G.F. Density kg/m <sup>3</sup>	3	DEC 24
		pH						Flow Rate L/min	4	
		Press kPa	Pump 1					Pressure kPa	5	
			Pump 2						6	
		S.P.M.	Pump 1							
			Pump 2							
	Stands DC	Depth m								
	Singles DC									
	Stands DP									
	Singles DP									
	Kelly Down									
	Total									

BLOW MANIFOLD & SWEEP  
ETC & FILL WITH  
OIL RIG UP FLARE  
LINE & BAZ BOOTS  
LINE & BLOW THEM  
with steam  
Run in the hole  
with bit & collars  
& one stand pipe circ  
Pressure test (Blow) Ramms  
1/2 hrs Pressure test  
Hydrill 1/2 held okay  
Drill out cement

16:00

20:00

21:30

22:30

23:00

1/2

1/2

Tour	Start	End	Hrs.
TOUR ③	16:00	24:00	8
Driller	M. JACQUES		8
Derrick	V. CARON		8
Motor	A. HAMEL		8
Floor	M. CHARLAND		8
Floor	S. BÉRUBÉ		8
Lease			
Other			

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: \_\_\_\_\_

Force of String	daN	Drill'g Line Record	Size mm	No Lines	Megafoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp	Weather	Roads
22,000			32	10	7162	131886	0	0	7150	1613	Clear	Good

BOPS	Tested	Checked	Run	JTS	CSG	Fuel @ 00:00	Equipment Transfers (Including Rental)
Minutes	Pressure kPa	Open & Close	To	K.B Used	S*	Fuel Rec'd Today	To / From
Hydri			To	Cem Plus	%	Total	Trans #
Pipe Rams				Plug Down	hrs	Fuel @ 23:59	
Blind Rams				m <sup>3</sup> Returns		Fuel Used	

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.

Approved by Operator's Representative

Approved by Toolpusher

Gerard Orimet







# REGENT DRILLING LIMITED

12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA

455-2121

Rig No. **6**

Well Name **SOCCIP-DETA-FINA-BELANGOUR-NO. 1**

12041

Date **20 12 18** Rig No. **6**  
Year Month Day

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																																																																																																																																																																																																																																																																					
1	NATIONAL 870	150	216	EMSCO 700	700	203	406	BELANGOUR	4																																																																																																																																																																																																																																																																																																																																																																																																																								
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<table border="1"> <thead> <tr> <th>No.</th> <th>Drilling Assembly (At End of Tour)</th> <th>MUD</th> <th>00:00</th> <th>02:00</th> <th>04:00</th> <th>06:00</th> <th>Additives in kg</th> <th>Desilter / Desander</th> <th>Motor Hours</th> <th>Next Oil Change</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bit NBS 1.32 m</td> <td>Density kg/m<sup>3</sup></td> <td></td> <td></td> <td></td> <td></td> <td>6EA 807</td> <td>Hours Operated</td> <td>1</td> <td>24 DEC</td> </tr> <tr> <td>2</td> <td>50. 9.44 m</td> <td>Viscosity s/L</td> <td>91</td> <td>86</td> <td>106</td> <td>133</td> <td></td> <td>U.F. Density kg/m<sup>3</sup></td> <td>2</td> <td>111</td> </tr> <tr> <td>3</td> <td>STABS 14.27 m</td> <td>Filtrate cm<sup>3</sup></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>O.F. Density kg/m<sup>3</sup></td> <td>3</td> <td>100</td> </tr> <tr> <td>4</td> <td>BEUSUB 8.67 m</td> <td>pH</td> <td>12</td> <td>12</td> <td>12</td> <td>11.2</td> <td></td> <td>Flow Rate L/min</td> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td>4.0 6.79 m</td> <td>Press kPa</td> <td>Pump 1 2100</td> <td>2100</td> <td>2100</td> <td>2100</td> <td></td> <td>Pressure kPa</td> <td>5</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pump 2 2100</td> <td>2100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> <td></td> </tr> <tr> <td colspan="11">S.P.M.</td> <td colspan="2">Remarks</td> </tr> <tr> <td colspan="11">Pump 1 130</td> <td colspan="2">130 130 130 130</td> <td colspan="2">Check hydraulic OK 2T</td> </tr> <tr> <td colspan="11">Pump 2</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11">S.C.R.E.V.E.R.S</td> <td colspan="2">Depth m</td> <td colspan="2">Depth m</td> </tr> <tr> <td colspan="11">1</td> <td colspan="2">44</td> <td colspan="2">18</td> </tr> <tr> <td colspan="11">2</td> <td colspan="2">64</td> <td colspan="2">18</td> </tr> <tr> <td colspan="11">3</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11">4</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11">5</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11">6</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11">Total</td> <td colspan="2">66.44</td> <td colspan="2">25.000 daN</td> </tr> <tr> <td colspan="11">Drill'g Line Record</td> <td colspan="2">32 10 7162</td> <td colspan="2">131886</td> </tr> <tr> <td colspan="11">Sizemm</td> <td colspan="2">No. Lines</td> <td colspan="2">Megajoules</td> </tr> <tr> <td colspan="11">32</td> <td colspan="2">10</td> <td colspan="2">7162</td> </tr> <tr> <td colspan="11">Slipped (m)</td> <td colspan="2">Cut</td> <td colspan="2">Next Slip</td> </tr> <tr> <td colspan="11">0</td> <td colspan="2">0</td> <td colspan="2">7150</td> </tr> <tr> <td colspan="11">Weather</td> <td colspan="2">Roads</td> <td colspan="2"></td> </tr> <tr> <td colspan="11">Clear</td> <td colspan="2">Good</td> <td colspan="2"></td> </tr> <tr> <td colspan="11">Boiler In Use? Hrs.</td> <td colspan="2">Camp In Use? Hrs.</td> <td colspan="2">BOP Drill Yes No</td> </tr> <tr> <td colspan="11">8</td> <td colspan="2">0</td> <td colspan="2">No</td> </tr> <tr> <td colspan="11">Driller's Signature</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="11"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </tbody> </table>													No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change	1	Bit NBS 1.32 m	Density kg/m <sup>3</sup>					6EA 807	Hours Operated	1	24 DEC	2	50. 9.44 m	Viscosity s/L	91	86	106	133		U.F. Density kg/m <sup>3</sup>	2	111	3	STABS 14.27 m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	100	4	BEUSUB 8.67 m	pH	12	12	12	11.2		Flow Rate L/min	4		5	4.0 6.79 m	Press kPa	Pump 1 2100	2100	2100	2100		Pressure kPa	5				Pump 2 2100	2100						6		S.P.M.											Remarks		Pump 1 130											130 130 130 130		Check hydraulic OK 2T		Pump 2															S.C.R.E.V.E.R.S											Depth m		Depth m		1											44		18		2											64		18		3															4															5															6															Total											66.44		25.000 daN		Drill'g Line Record											32 10 7162		131886		Sizemm											No. Lines		Megajoules		32											10		7162		Slipped (m)											Cut		Next Slip		0											0		7150		Weather											Roads				Clear											Good				Boiler In Use? Hrs.											Camp In Use? Hrs.		BOP Drill Yes No		8											0		No		Driller's Signature																													
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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. BELANGOUR	8	
Derrick	J. DU BEAU	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. Larachelle	8	
Motor	Kim Turriff	8	
Floor	R. Trepanier	8	
Floor	P. Cayet	8	
Lease	Luc Bergeron	8	
Mechanic	C. Blanchette	10	
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. 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		











**REGENT DRILLING LIMITED**  
12912 - YELLOWHEAD TRAIL  
EDMONTON, ALBERTA 455-2121

12036

Rig No. **6**

Well Name *Logrip (Antrofia) Becancourt #1*

Date **80 12 13** Rig No. **6**

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																																																																																																																																																																																																																																																																																					
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*Rig up floor & rig up prefabs*

*finish pump prefab & install conveyor belts & rig up floor prefabs*

*Put up mud house (clean threads, check collars & subs.)*

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 #	Time	Signature	Hrs.
TOUR ①	00:00 - 08:00		
Driller		<i>R. BERUBE</i>	<i>10</i>
Derrick		<i>R. LABOCHELLE</i>	<i>10</i>
Motor		<i>A. HAMEL</i>	<i>10</i>
Floor		<i>M. CHARLAND</i>	<i>10</i>
Floor		<i>S. BERUBE</i>	<i>10</i>
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ②	08:00 - 16:00		
Driller		<i>J. M. BELANGER</i>	<i>10</i>
Derrick		<i>J. DUBEAU</i>	<i>10</i>
Motor		<i>N. LAUZE</i>	<i>10</i>
Floor		<i>R. TOUSIGNANT</i>	<i>10</i>
Floor		<i>G. TRUDEAU</i>	<i>10</i>
Lease		<i>L. BERGENIN</i>	<i>10</i>
Mechanic		<i>C. BLANCHETTE</i>	<i>10</i>
Assistant Derrick			
INJURIES - COMPLETE BELOW			
TOUR ③	16:00 - 24:00		
Driller		<i>T. TURRIFF</i>	<i>10</i>
Derrick		<i>M. JACQUES</i>	<i>10</i>
Motor		<i>K. TURRIFF</i>	<i>10</i>
Floor		<i>B. TREPANIER</i>	<i>10</i>
Floor		<i>P. CAVER</i>	<i>10</i>
Lease			
Other			
Assistant Derrick			
INJURIES - COMPLETE BELOW			
I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW. DURING THIS TIME I RECEIVED NO INJURY AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)			
Position	Tour #	Signature	Hrs.
Toolpusher's Approval			
SAFETY TALKS			
Given By:			
Subject			
Approved by Operator's Representative			
Approved by Toolpusher			
<i>Renard Orime</i>			
Given By:			
Subject			





Rig No. **6**

Well Name *Squis Petrofina Becancour #1*

Pump No.	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location	Report Number	Start	Time Stop	Intvl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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*Rig up rig & rig up trailer & water fire system on trailers*

*Spot Buildings & Rig up rig*

*Rig up & start Boiler Unload trucks*

Date	Year	Month	Day	Rig No.
80	12	13	6	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.)				
<b>TOUR ① 00:00 - 08:00</b>				
Driller	R. BÉRUBÉ			9
Derrick	R. LAROCHELLE			9
Motor	A. HAMEL			9
Floor	M. CHARLAND			9
Floor	S. BÉRUBÉ			9
Lease				
Other				
<b>INJURIES - COMPLETE BELOW</b>				
<b>TOUR ② 08:00 - 16:00</b>				
Driller	J. M. BELANGER			9
Derrick	J. DUBEAU			9
Motor	N. LAUZE			9
Floor	R. TOUSIGNANT			9
Floor	G. TRUDEN			9
Lease	L. BERGÉVIN			9
Mechanic	C. BLANCHETTE			9
Assistant Derrick				
<b>INJURIES - COMPLETE BELOW</b>				
<b>TOUR ③ 16:00 - 24:00</b>				
Driller	M. JACQUES			9
Derrick				
Motor	K. TURRIFF			9
Floor	R. TREPANIER			9
Floor	P. CAYER			9
Lease				
Other				
Assistant Derrick				
<b>INJURIES - COMPLETE BELOW</b>				
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.
<b>Toolpusher's Approval</b>				
<b>SAFETY TALKS</b>				
Given By:				
Subject				
Approved by Operator's Representative				
Approved by Toolpusher				
Given By:	<i>Gerard Dimeet</i>			
Subject				



Rig No. **6**

Well Name **Sogrip Petrofina Beconcour**

Date **80 12 10** Rig No. **6**  
 Year Month Day

Pump No. 1	Type	Liner Size mm	Stroke Length mm	Pump No. 2	Type	Liner Size mm	Stroke Length mm	Location									
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

**PIN DERRICK  
UNLOAD TRUCKS**

No.	Drilling Assembly (At End of Tour)	MUD	00:00	02:00	04:00	06:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>						Hours Operated	1	
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	m	pH						Flow Rate L/min	4	
	m	Press kPa	Pump 1					Pressure kPa	5	
	m		Pump 2						6	
	m	S.P.M.	Pump 1							
	m		Pump 2							
Stands DC	m									
Singles DC	m									
Stands DP	m									
Singles DP	m									
Kelly Down	m									
Total	m									

**STRING BLOCKS  
SPOT PUMP**

No.	Drilling Assembly (At End of Tour)	MUD	08:00	10:00	12:00	14:00	Additives in kg	Desilter / Desander	Motor Hours	Next Oil Change
Bit	m	Density kg/m <sup>3</sup>						Hours Operated	1	
	m	Viscosity s/L						U.F. Density kg/m <sup>3</sup>	2	
	m	Filtrate cm <sup>3</sup>						O.F. Density kg/m <sup>3</sup>	3	
	m	pH						Flow Rate L/min	4	
	m	Press kPa	Pump 1					Pressure kPa	5	
	m		Pump 2						6	
	m	S.P.M.	Pump 1							
	m		Pump 2							
Stands DC	m									
Singles DC	m									
Stands DP	m									
Singles DP	m									
Kelly Down	m									
Total	m									

**UNLOAD TRUCKS  
SPOT MUD TANKS  
ETC**

Force of String	daN	Drill'g Line Record	Size mm	No. Lines	Megajoules	Total MJ	Slipped (m)	Cut	Next Slip	Temp.	Weather	Roads					
From	To	Metres	No.	Size mm	Type	Jets mm	Serial No.	Force daN	RPM	Metres	Hrs.	Ream	Hrs.	Torque	T	B	G

**Approved by Operator's Representative**  
*[Signature]*

**Approved by Toolpusher**  
*[Signature]*

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	10
Derrick	R. LAROCHELLE	10
Motor	A. HAMEL	10
Floor	M. CHARLAND	10
Floor	S. BERUBE	10

INJURIES - COMPLETE BELOW

TOUR ②	08:00 - 16:00	Hrs.
Driller	J.M. BELANGER	10
Derrick	J. DUBEAU	10
Motor	N. LAUZE	10
Floor	R. TOUSIGNANT	10
Floor	G. TRUDEL	10
Lease	L. BERGEVIN	10
Mechanic	C. BLANCHETTE	10

INJURIES - COMPLETE BELOW

TOUR ③	16:00 - 24:00	Hrs.
Driller	M. JACQUES	10
Derrick	R. TURRIFF	10
Motor	R. TREPANIER	10
Floor	P. CAVER	10

I ACKNOWLEDGE HAVING WORKED THE HOURS SHOWN BELOW DURING THIS TIME I RECEIVED INJURIES AS REPORTED ON THE COMPANY ACCIDENT REPORT (PART 1)

Position	Signature	Hrs.

Toolpusher's Approval

Given By: \_\_\_\_\_

Subject: \_\_\_\_\_

SAFETY TALKS

Given By: \_\_\_\_\_

Subject: \_\_\_\_\_