2005OD019-07

Geological Report - Corridor/HQ, Anticosti, Jupiter No 1 R1 - Anticosti Island, Quebec, Canada - UWI-D019 - Permit #2010RD019

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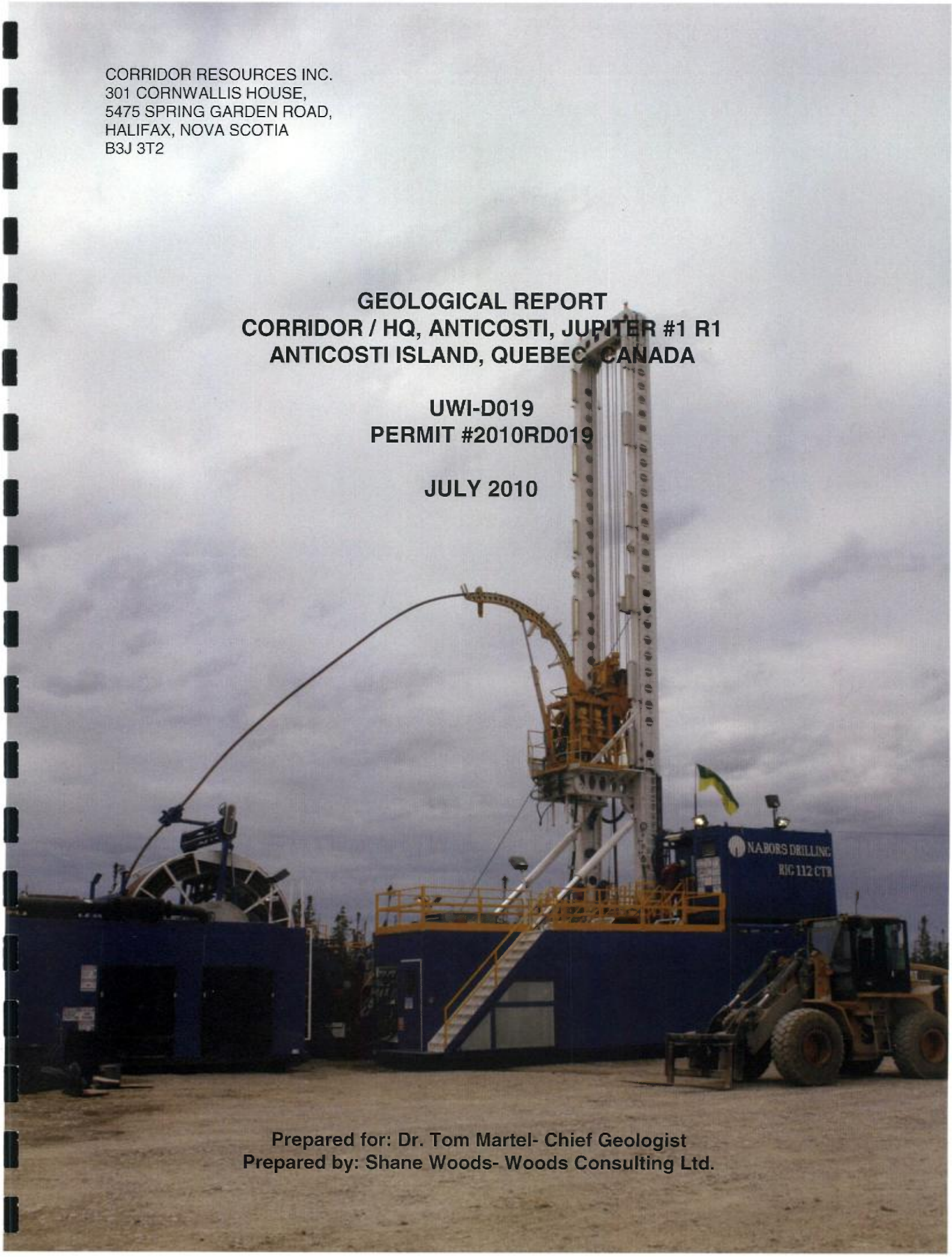
Énergie et Ressources naturelles
Québec

CORRIDOR RESOURCES INC.
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GEOLOGICAL REPORT
CORRIDOR / HQ, ANTICOSTI, JUPITER #1 R1
ANTICOSTI ISLAND, QUEBEC, CANADA

UWI-D019
PERMIT #2010RD019

JULY 2010



Prepared for: Dr. Tom Martel- Chief Geologist
Prepared by: Shane Woods- Woods Consulting Ltd.

Table of Contents

Section	Page
Well Abstract	3
Well Summary	4
Casing summary	5
Daily Drilling Summary	6
Formation Tops	10
Bit Record Summary (IADC)	11
Directional Surveys	12
Sample Descriptions w/ Formation Tops	15
Well license	24
Well Plan-Section View	25
Inclusions- Vertical Section Log	In Pocket
- Well Files (CD)	In Pocket

WELL ABSTRACT

Corridor / HQ, Anticosti, Jupiter No 1 R1 is a re-entry well drilled in July 2010. The well is a proposed horizontal well drilled on surface location of (LATITUDE 49° 35' 32.080" N; LONGITUDE 63° 25' 4.033" and UTM NORTHING 5493379.79 - UTM EASTING 469805.97, Sepaq District, on Anticosti Island, Quebec, Canada. The purpose of the well is to evaluate the hydrocarbon potential of the Mingan Formation and upper Romaine Formation. The primary targets for the well will be the Mingan & Romaine Formations from approximately 1615 – 1655 meters (TVD). The well was spudded on July 03, 2010 @ 23:30 hours using Nabors Drilling Rig #112 CTR. Well supervision was provided by Shane Woods & Daniel Brisebois (geology) and Marcel Reynolds (Drilling). Directional services and MWD were provided by Weatherford Directional Services. Kb elevation is 179.4m with ground level at 175.15m and a rig kelly bushing to ground of 3.9m.

The re-entry of Jupiter #1 R1 commenced on July 03, 2010 @ 23:30 hours. The top plug was drilled out from 7 meters to 17m MD. A second cement plug was tagged @ 1216m MD and drilled out from 1304m MD to 1335m MD. A kick off point was attempted at 1335m MD and failed due to a possible lack of cement integrity-strung out or channeled cement. The existing well bore was then drilled down and cleaned to a depth of 1720m MD on July 06, 2010 @ 04:45 hours. The well was then plugged back with a 10.3m3 (16.6 tons of Class G Oil well bulk cement) and tagged @ 1250m MD. The cement plug was drilled from 1250m MD to 1430m MD. A KOP was established @ 1435m MD on July 07, 2010 @ 17:30 hours. The well was kicked off from 1440m MD @ 3.75 degrees along an azimuth of 351.9 and steered to an azimuth of 34.5 degrees. The build section was drilled to 1645m MD on July 11, 2010 @ 21:00 hours, obtaining approximately 60 degrees along a 34.7 degree azimuth. A PDC bit and Gamma were pick up and drilling the tangent section commenced with an under balanced gel chemical - Nitrogen Injected mud system on July 12, 2010 @ 19:00 hours. Foaming issues with the N2 & Gel Chemical mud system delayed drilling operations briefly and drilling resumed on July 13, 2010 @ 10:15 hours with a water & polymer mud system called dou-vis.

The well was actively logged using a standard gamma API presentation in the vertical section from 1328m MD to 1645m MD & OGR gamma in the horizontal section from 1645 to 2038m MD with Weatherford Drilling Services MWD. A total depth was reached @ 2038m MD, 1688.36m TVD; -1508.96m SS on July 17, 2010 @ 03:15 hours. The well was terminated in the lower Romaine Formation, approximately 10 meters prematurely as a result of a mechanical failure of a N2 injector cooling unit.

The well was then plugged back for abandonment and cemented with 24 tonnes - 18m3 of Class G cement. Plug @ 1 was set from 2038m MD to 1220m MD. Plug # 2 was set @ 50m MD to 0m MD. Rig release was on July 20, 2010 @ 17:00 hours.

Well Summary

Operator:	**CORRIDOR RESOURCES INC.**
Well Name:	**CORRIDOR / HQ, ANTICOSTI, JUPITER NO1 R1**
Surface Location:	
LATITUDE	49° 35' 32.080"
LONGITUDE	63° 25' 04.033"
UTM +N / -S	5493379.79 Northing
UTM +E / -W	469805.97 Easting
Datum / Zone	Nad 83 / Zone 20

Field:	Anticosti Island (Jupiter)
Province:	Quebec
Country:	Canada
License (Permit) Number	**2010RD019**
Well Status:	Potential oil well.
Drilling Contractor:	Nabors Drilling Rig # CTR 112

Elevations		
Ground Elevation:	**175.50m** **175.50m**	**Cut (- 0.00m)** **Fill (+0.00m)**
Rig KB (Rig floor to Casing flange)	**3.90m**	
KB Elevation	**179.40m**	

Re-Entry Well	**YES**				
	Date		**MD**	**TVD**	**SS**
Spud Date:	July 03, 2010 @ 23:30				
Kick Off Build Section:	July 07, 2010 @ 17:30		1435-1438	1435-1438	-1255.6
Total Depth Surface Csg			222	222	-42.6
Total Depth Intermediate Csg			1328	1328	-1148.6
Total Depth Production Csg			na	na	na
Total Depth	July 17, 2010 @ 03:15		2038.0	1688.4	-1509.0
Rig Release Date:	July 20, 2010 @ 17:00				
Surface Co-ordinates:	UTM 5493379.79 N/S				
	UTM 469805.97 E/W				
	Latitude 49°35'32.08"				
	Longitude 63°25'033"				
Bottom Hole Co-ordinates:	UTM 5493781.3m N/S				
	UTM 470082.56m E/W				
Hole Type:	Sidetrack / Horizontal				

CASING SUMMARY

TYPE	SIZE	MASS	THREAD	GRADE	JOINTS	TOTAL LENGTH	DEPTH SET (m)
Conductor	406m	81	BT&C	J-55	NA	14	14
Surface	244.5	53.4	ST&C	J-55	NA	222	222
Intermediate	177.8	34.2	ST&C	J-55	NA	1328	1328

DRILLING FLUIDS

Mud Company:	**Mi SWACO**	STARTING DEPTH	FINISHING DEPTH
Mud Engineers:	Larry Williamson		
Drilling Fluid Type:	Water	Surface	1454m MD
	Drill-Plex Mud & N2 (Polymer-Duo-Vis)	1454m MD	2038m MD

Work Schedule-Geology

Company:	**Woods Consulting Ltd**			
Geologists:	**Shane Woods** **Daniel Brisebois**			
Work Performed	**From:**	July 01, 2010	**To:**	July 18, 2010
Depths Logged	**From:**	1350m MD	**To:**	2038m MD

Daily Drilling Summary

DATE	DAY	24:00 DEPTH	PROGRESS (M)	24:00 HOUR ACTIVITY
July 03, 2010	1	17	17	Continue to set up rig & wait on equipment. Pressure test blind rams & riser @ 05:45 hours. Pressure test entire BOP system @ 14,000 Kpa for 10 minutes @ 14,000 KPa. Wait on equipment. Install wear bushing @ 19:15 hours. Re-install flow T. Make up bit and run in hole-tag cement @ 7.0m MD @ 23:00 hours. Drill out cement from 7m MD to 17m MD @ 24:00 hours.
July 04, 2010	2	1304	Drill Out Cement	Drill cement from 17m MD to 54m MD @ 02:00 hours. Pull out of hole and pick up directional tools. Make up BHA and RIH @ 04:00 hours. Continue to pick up drill pipe and RIH @ 07:00 hours. Tag cement # 2 @ 1216m MD. Drill out cement with 156mm bit from 1216m MD to 1304m MD @ 24:00 hours.
July 05, 2010	3	1720	Drill Out Cement	Drill out cement from 1304m MD to 1335m MD @ 03:15 hours. Circulate & condition mud from 03:15 to 03:30 hours. Control drill to kick off from 1335m MD to 1353m MD @ 09:00 hours. (Unable to kick off) RIH with drilling assemble to clean out to 1720m MD. Circulate hole clean and POOH @ 13:00 hours. Lay down directional tools @ 21:45 hours. Change out pipe rams @ 24:00 hours.
July 06, 2010	4	1345	Drill Out Cement	Slip & cut coil. Pick up BHA @ 01:00 hours. Pressure test pipe rams. RIH with coil to 1720m MD @ 02:15 hours. Circulate and condition mud. Calibrate coil depths @ 05:45 hours. Rig to and cement 10.3m3 cement plug. Plug back and POOH @ 07:30 hours. Slip and cut 11.8m of drill line @ 09:45 hours. Wait on cement. Make up directional tools and RIH @ 13:45 hours. Tag top of cement plug @ 1250m MD. Circulate and condition mud. Pressure test pipe rams. Drill cement from 1250m MD to 1345m MD @ 24:00 hours.

July 07, 2010	5	1440.5	95.5	Drill cement from 1345m MD to 1350m MD @ 01:15 hours. Control & time drill from 1350m MD to 1370.66m MD @ 14:15 hours. Drill off – drill cement from 1370.66m MD to 1434.5m MD @ 17:30 hours. Control drill from 1434.5m MD to 1440.5m MD @ 24:00 hours.
July 08, 2010	6	1452.3	11.8	Continue to control drill from 1440.5m MD to 1452.35m MD @ 12:45 hours. Circulate and condition mud. POOH to check bit. Lay down BHA @ 21:15 hours. Nipple up Under Balanced equipment from 20:30 to 24:00 hours.
July 09, 2010	8	1490	37.7	Pressure test Strata equipment. Make up directional tools @ 03:00 hours. RIH with drill pipe- strap in. Flow check @ 110m MD @ 04:15 hours. Install element in RBOP. Continue to trip in hole. Circulate and condition mud. Build mud volume and displace hole to drill plex mud system @ 13:15 hours. Resume drilling @ 15:45 hours. Slide from 1460m MD to 1468 m MD @ 18:45 hours. Commence N2 injection @ 20:15 hours. Drill and survey 156mm main hole section from 1468m MD to 1490m MD @ 24:00 hours.
July 10, 2010	9	1576	86	Drill and survey 156mm main hole section from 1490m MD to 1517m MD. Circulate and condition aerated mud @ 05:30 –08:00 hours. Resume drilling @ 08:30 hours. Drill and survey 156mm main hole from 1517.7m MD to 1518.7m MD. Circulate and condition aerated mud. Drill and survey 156mm main hole from 1518.7m MD to 1546.1m MD @ 15:15 hours. Circulate and condition aerated mud from 15:15 to 16:00 hours. Drill and survey 156mm main hole from 1546.1m MD to 1547.1m MD. Circulate and condition aerated mud from 16:45 to 17:15 hours. Drill and survey main hole from 1547.1 to 1568m MD @ 21:00 hours. Circulate and condition aerated mud from 21:00 to 22:15 hours. Switch back to conventional drilling @ 22:15 hours. Drill and survey 156mm main hole from 1568m MD to 1576m MD @ 24:00 hours.

July 11, 2010	10	1645	69	Drill and survey 156mm main hole section from 1576m MD to 1635m MD @ 17:45 hours. Commence N2 injection @ 17:45 hours. Drill and survey 156mm main hole section from 1635m MD to 1645m MD @ 20:30 hours. Circulate and condition mud. Circulate N2 out of active system. Attempt to pump with aerated mud @ 20:30 hours. POOH to change bit and pick up OGR gamma tool. POOH @ 24:00 hours.
July 12, 2010	11	1645	0	POOH to change bit & tools. Make up new BHA and RIH with tools @ 13:00 hours. Condition and circulate mud. Build up mud volume @ 17:15 hours. Trip in hole. Build mud volume. Inject N2 into active system and circulate. Attempt to remove foam from aerated mud from active system was not effective. Trip out of hole with drill pipe to 1320m MD (Casing) @ 24:00 hours.
July 13, 2010	12	1694	49	Clean mud tanks and change out mud system. RIH with drill string @ 07:00 hours. Circulate and condition mud. Displace hole with water. Commence N2 injection @ 09:30 hours. Pump polymer sweep @ 09:43 hours. Drill and survey 156mm main hole section from 1645m MD to 1694m MD @ 24:00 hours.
July 14, 2010	13	1812	118	Drill / slide and survey 156mm main hole section from 1694m MD to 1812m MD @ 24:00 hours.
July 15, 2010	14	1924	112	Drill / slide and survey 156mm main hole section from 1812m MD to 1903m MD @ 24:00 hours. Drill / slide & survey 156mm main hole from 1903m MD to 1924m MD @ 06:00 hours.
July 16, 2010	15	2017	114	Drill / slide and survey 156mm main hole section from 1924m MD to 2017m MD @ 24:00 hours.
July 17, 2010	16	2038 TD	21	Drill & survey 156mm main hole from 2017m MD to 2038m MD @ 03:15 hours. Pull 3 singles off bottom and wait on Strata to repair cooling unit from 03:15 – 07:00 hours. POOH @ 07:00 hours-wait on Strata to repair cooling unit. **TD Corridor / HQ Anticosti, Jupiter #1, R1 on July 17, 2010 @ 03:15 hours**. Lay down directional tools @ 16:15 hours. Remove rotating element @ 18:00 hours. Slip & cut 23.6m drill line @ 19:00 hours. Wait on parts to repair Strata cooling unit @ 24:00 hours.

July 18, 2010	17	2038	0	Wait on parts for Strata cooling unit. RIH @ 05:00 hours. Change bearing on RBOP and RIH with coil to 1300m MD @ 07:15 hours. Wait on repairs for cooling until 12:15 hours. Blow hole with N2 and test well- perform leak off test. Bleed off well from 19:15 – 18:45 hours. Circulate and condition mud. Circulate 33m3 of drilling fluids and attempt to fracture formation to 29,000 kPa. Trip into hole to 1835m MD @ 24:00 hours.
July 19, 2010	18	2038	0	Attempt to circulate to bottom. Condition mud and circulate @ 01:00 hours. Rig to and run cement plugs with coil from 1835m MD to 1150m MD. POOH with coil and lay down drill pipe @ 05:00 hours. RIH with coil to 500m MD. WOC from 06:00-10:45 hours. Circulate and condition mud. Attempt to pump through coil tubing- plugged. POOH with coil tubing @ 10:45 hours. POOH with coil tubing to 260m MD. RIH with coil tubing to 604m MD. Attempt to circulate through coil tubing using BJ Cement Service Pump unit- 20,000 kPa. Unable to pump through the coil tubing. POOH with coil tubing @ 13:15 hours. Slip and cut 248m of cemented coil tubing. Attempt to circulate through coil tubing- no circulation was obtained. Slip and cut 248m of cemented coil tubing. Attempt to circulate through coil tubing- no circulation was obtained. Slip and cut coil tubing @ 24:00 hours. (Cut 900m of coil tubing – 838m remaining- still cemented off).
July 20, 2010	19	2038	0	Nipple down RBOP & Strata equipment. RIH with drill pipe to 56m MD to plug back. Wait on BJ Cementers to repair pump unit. Rig to and cement plug # 2 from 56m MD to surface @ 04:15 hours. Rig out BOP's and remove wear bushing. Clean mud tanks and prepare for rig move @ 06:00 hours. Load mast on trailer and prepare carrier for rig move. Wait on trucks to complete rig move to Saumon location @ 22:00 hours.

Rig Release on
July 20, 2010 @ 17:00 hours

Formation Top Summary

Ground Elevation:175.5m
Kelly Bushing to Ground: 3.9m
Kelly Bushing Elevation:179.4m

*** All Depths measured from Kelly Bushing Elevation ****

FORMATION TOPS CASING TARGETS	PROG (TVD)	PROG (MD)	PROG (SS	SAMPLE (TVD)	SAMPLE (MD)	SAMPLE (SS)
Gun River	0	0	+179.4	0	0	+179.4
Merrimack	45	45	+134.4	45	45	+134.4
Becscie	65	65	+144.4	65	65	+144.4
Surface Casing	222	222	-42.2	222	222	-42.2
Vaureal	260	260	-80.6	260	260	-80.6
English Head	845	845	-665.2	845	845	-665.2
ICP	1328	1328	-1148.2	1328	1328	-1148.2
Trenton/ Black River Groups	1333	1333	-1153.2	1512.6	1515	1333.2
KOP	1365	1365	-1185.2	1435	1435	-1255.6
2nd KOP	1455.6	1456	-1275.8	1439.89	1440.08	1260.49
Mingan	1613	1654	-1433.2	1617.8	1670.0	-1438.4
Target A	1628.5	1710.8	-1448.7	1621.8	1683.0	-1442.4
Target B	1663.5	1932.8	-1483.7	1629.0	1720.0	-1449.6
Sauk Unconformity	1642.7	1842.9	-1463.3	1644.6	1855.0	-1465.2
Romaine	1642.7	1842.9	-1463.3	1644.6	1855.0	-1465.2
Target C	1680.5	2075.0	-1500.7	1646.9	1867.0	-1467.5
Target D	1649.3	1880.0	-1469.9	1649.3	1880.0	-1469.9
Target F	1682.1	2015.0	-1502.7	1682.1	2015.0	-1502.7
TD	1687.4	2200	-1507.6	1688.36	2038.0	-1508.96

Bit Record Table (IADC Grading System)

VERTICAL & DIRECTIONAL SECTION

Bit #	Size (mm)	Type	Serial #	Depth In	Depth Out	Made	Hours	Condition T-B-G
1	156	Smith XR13000	PP2419	1216	1250	34	NA	1-1-CT-G-E-1-WT-HP
2	156	Security QH1R	11418669	1250	1453	203	35.25	2-2-WT-A-2-2-WT-A
3	156	Hughes MX200X	5159618	1453	1645	191	27	2-2-WT-A-E-2-PR
4 (PDC)	156	Smith MD1513	JX5995	1645	2038	393	82.5	0-0-NO-A-0-0N0-TD

Deviation / Directional Survey Report

Directional Drilling Company:	Weatherford Directional Service
Directional Drillers:	Warren Cox & Dave Deveau
Measured While Drilling (MWD) Hands:	Adrian Baescu & Cass Kadatz
Survey Type:	Electromagnetic
Survey Mode:	Electromagnetic
Survey Date:	July 07, 2010 @ 06:15 hours
Survey Calculation Method:	Minimum Curvature
Target Azimuth:	33.60°
Dog Leg Severity Characteristic:	30.00

Surface (Geographical) Co-ordinates:	Latitude: 49°35'32.08" Longitude: 63°25'04.033"
Grid Coordinates: (UTM-20N (NAD 83)	Northing: 5493379.79m Easting: 469805.97m

Scale Factor	0.9996112°
Convergence	-0.31814035°
Declination (True North Offset)	-20.327°
Total Correction	-20.0086°
Total Magnetic Field	54237 nT
Magnetic Dip (Inclination)	71.463°
Total Gravity Field	1.0004 g

Kick-Off Information

Measured	Angle (°)	Azimuth (°)	T.V.D	+N / -S	+E / -W	Section	Dogleg
1438.42	2.94	351.93	1338.42	0.26	-0.04	0.20	8.46

Remarks: Rotated ahead to kick off point with a motor offset @ 1.83 degrees. KOP section kicked off @ 351.93 degree azimuth.

Survey Points

Measured	Angle (°)	Azimuth (°)	T.V.D	+N / -S	+E / -W	Section	Dogleg
0	0	0	0	0	0	0	0
1328	0	0	1328	0	0	0	0
1338.42	2.94	351.93	1338.42	0.26	-0.04	0.2	8.46
1348.09	3.14	351.63	1348.07	0.77	-0.11	0.58	0.62
1357.48	3.31	345.93	1357.45	1.29	-0.21	0.95	1.16
1367.02	3.31	345.68	1366.97	1.82	-0.35	1.32	0.05
1376.39	3.38	344.93	1376.33	2.35	-0.49	1.68	0.26
1385.94	3.38	344.56	1385.86	2.9	-0.64	2.05	0.07
1395.54	3.5	342.81	1395.44	3.45	-0.8	2.42	0.5
1405.05	3.56	339.68	1404.93	4	-0.99	2.77	0.64
1414.57	3.63	338.31	1414.43	4.56	-1.2	3.11	0.35
1424.32	3.81	340.56	1424.16	5.15	-1.42	3.48	0.71
1433.99	3.81	342.18	1433.81	5.76	-1.63	3.87	0.33
1440.08	3.75	350.43	1439.89	6.15	-1.72	4.14	2.69
1449.51	4.44	20.68	1449.3	6.8	-1.64	4.72	7.12
1459.4	6	65.56	1459.15	7.37	-1.04	5.53	12.84
1468.96	9.88	71.93	1468.62	7.83	0.2	6.61	12.47
1478.26	13.19	60.68	1477.73	8.6	1.88	8.18	12.86
1487.93	15.56	50.31	1487.1	9.97	3.84	10.41	10.83
1497.47	17.88	42.56	1496.23	11.86	5.82	13.09	10.1
1507.15	21.06	38.81	1505.36	14.31	7.91	16.29	10.58
1516.84	23.63	34.18	1514.32	17.28	10.1	19.97	9.64
1526.24	26.19	30.93	1522.85	20.61	12.22	23.93	9.26
1535.96	29.06	30.43	1531.46	24.49	14.52	28.42	8.89
1545.58	32	30.06	1539.74	28.71	16.98	33.3	9.19
1555.11	35.13	31.18	1547.68	33.25	19.66	38.56	10.04
1564.77	37.88	31.42	1555.45	38.15	22.65	44.3	8.55
1574.31	40.69	32.93	1562.83	43.27	25.87	50.34	9.33
1583.96	43.38	34.31	1570	48.64	29.45	56.8	8.84
1593.34	46.19	34.68	1576.65	54.09	33.19	63.4	9.03
1602.86	48.56	35.68	1583.1	59.81	37.23	70.41	7.82
1612.36	51.56	34.93	1589.2	65.76	41.43	77.69	9.65
1621.85	54.38	34.56	1594.91	71.98	45.75	85.26	8.96
1631.53	57.13	34.18	1600.36	78.59	50.27	93.26	8.58
1641.18	60	34.68	1605.39	85.38	54.92	101.5	9.02
1650.7	62.94	34.81	1609.94	92.25	59.69	109.86	9.27
1660.38	65.88	34.43	1614.12	99.43	64.65	118.59	9.17
1670.07	69.31	34.18	1617.81	106.83	69.7	127.54	10.64
1679.46	72.19	33.93	1620.91	114.18	74.66	136.41	9.23
1689.13	75.38	34.31	1623.61	121.86	79.87	145.69	9.96
1698.56	78.32	34.62	1625.75	129.43	85.06	154.87	9.4
1708.26	81.81	34.81	1627.43	137.28	90.5	164.43	10.81
1717.97	82.69	34.56	1628.74	145.2	95.98	174.05	2.82
1727.63	82.31	34.43	1630	153.09	101.4	183.62	1.25
1737.15	82.31	34.68	1631.27	160.86	106.75	193.06	0.78
1746.76	82.19	34.93	1632.57	168.68	112.19	202.58	0.86
1756.26	83.69	34.93	1633.73	176.41	117.59	212	4.74
1765.66	84.19	35.18	1634.73	184.06	122.96	221.35	1.78
1775.19	86.19	34.93	1635.53	191.83	128.41	230.84	6.34

Measured	Angle (°)	Azimuth (°)	T.V.D .	+N / -S	+E / -W	Section	Dogleg
1784.74	86.75	34.43	1636.11	199.67	133.83	240.37	2.36
1794.28	87	34.31	1636.63	207.53	139.21	249.9	0.87
1804.05	84.31	34.68	1637.37	215.56	144.73	259.64	8.34
1813.49	81.81	34.18	1638.51	223.29	150.03	269.01	8.1
1823.14	81.94	34.81	1639.88	231.16	155.44	278.56	1.98
1832.56	81.81	35.18	1641.21	238.8	160.78	287.89	1.24
1842.76	82.06	34.68	1642.64	247.08	166.57	297.98	1.63
1852.3	79.63	35.06	1644.16	254.81	171.95	307.4	7.73
1861.7	79.31	34.93	1645.88	262.38	177.25	316.64	1.1
1871.23	79.13	34.93	1647.66	270.06	182.61	326	0.57
1880.33	78.81	34.81	1649.4	277.38	187.72	334.93	1.12
1890.02	78.56	35.31	1651.3	285.16	193.18	344.43	1.7
1899.79	80.88	34.68	1653.04	293.04	198.69	354.04	7.37
1909.12	79.38	34.68	1654.64	300.59	203.92	363.23	4.82
1918.65	77.25	35.68	1656.57	308.22	209.3	372.56	7.38
1927.57	75.25	35.68	1658.69	315.26	214.35	381.22	6.73
1937.11	74.69	35.31	1661.17	322.76	219.7	390.43	2.09
1946.64	74.13	35.81	1663.73	330.23	225.04	399.61	2.33
1956.11	73.25	36.31	1666.39	337.58	230.39	408.69	3.18
1965.73	74.6	35.96	1669.05	345.04	235.84	417.93	4.34
1974.72	75	35.31	1671.41	352.09	240.89	426.6	2.48
1984.81	74.75	35.81	1674.04	360.02	246.56	436.34	1.62
1994.34	74.69	36.18	1676.55	367.45	251.96	445.52	1.14
2003.75	74.5	36.06	1679.05	374.78	257.31	454.59	0.71
2013.33	74.31	35.68	1681.63	382.26	262.71	463.81	1.29
2022.75	74.13	35.81	1684.19	389.62	268.01	472.87	0.7
2038.0	74.13	35.81	1688.36	389.62	268.01	472.87	0.7
TOTAL DEPTH REACHED 2038.0 MD; 1688.36 TVD; -1508.96 SS							

Sample Descriptions- Vertical Section

Sample Collection begins at 1340m MD - Sample descriptions begin at 1350m MD

1340-1350 Cement: (100%)

1350-1355 Cement: (99%), **LIMESTONE** at 1%: dark grained brown to tan, moderately firm to hard, slightly argillaceous in part, slightly dolomitic in part to possibly cement inclusions, predominantly cryptocrystalline to very finely crystalline with scattered coarse crystalline, very minor pyrite inclusions

1355-1365 Cement: (100%) as above

1365-1370 Cement: (99%), **LIMESTONE** at 1%: dark grained brown to tan, moderately firm to hard, slightly argillaceous in part, predominantly cryptocrystalline to very finely crystalline

1370-1385 Cement (100%)

1385-1400 Cement (100%)

1400-1415 Cement (100%)

1415- 1434 Cement (100%)

1434-1438 Cement (99+%) **LIMESTONE**: >0.5% of total sample, mudstone, dark gray to tan to brown, moderately firm to hard, predominantly cryptocrystalline to finely crystalline, fossiliferous in part, dense, slightly argillaceous, trace bright white to clear calcite crystals, **SHALE**: darker gray, moderately firm, calcareous

1438-1444 Cement (50%) with **LIMESTONE** (50%): **LIMESTONE**: mudstone, light brown to darker gray, blocky, moderately firm, predominantly cryptocrystalline to finely crystalline, fossiliferous in part, dense, slightly argillaceous, slightly silty in part with rare disseminated organic material, **SHALE**: darker gray, moderately firm, calcareous, fissile in part, grading to limey **SHALE**

1444-1453 **SHALE**: light to dark gray, blocky to fissile, moderately firm to hard, slightly calcareous, slightly silty in part, slightly micromicaceous in part, **LIMESTONE**: mudstone, light tan to buff, firm to hard, predominantly cryptocrystalline to finely crystalline, fossiliferous in part, dense, slightly argillaceous, 20% cement cavings

1453-1470 **SHALE**: light to medium grained, blocky to platy in part, moderately firm to hard, rare calcareous to possibly fossil fragments to **SHALE** is dolomitic in part, slightly silty to lower very fine sand grains, ubiquitous laminated pyrite parallel to fissility, minor **LIMESTONE**: approximately 15%, mudstone, light brown to tan, firm to hard, predominantly cryptocrystalline to finely crystalline, dense, slightly argillaceous, scattered dolomitic **SILTSTONE** fragments, light gray, possibly interbedded, rare mica flakes

1470-1480 **SILTSTONE**: light to medium gray, quartzose, calcareous, slightly argillaceous with minor, **SHALE** fragments: medium dark gray, blocky to platy in part, moderately firm, slightly calcareous, dolomitic in part, silty in part to sandy in part, **LIMESTONE**: mudstone, buff to tan, firm to soft, predominantly cryptocrystalline, slightly argillaceous, fossiliferous, scattered nodular pyrite

1480-1490 **SILTSTONE**: light to medium gray, argillaceous, slightly calcareous, dolomitic in part with abundant fossiliferous, **LIMESTONE**: mudstone, light tan to off white, predominantly cryptocrystalline to finely crystalline, silty in part, dense, slightly argillaceous, fossiliferous, scattered mica flakes, minor **SHALE** fragments, black, platy, minor calcite crystals

1490- 1500 **LIMESTONE**: predominantly white to buff to light brown, moderately soft, finely crystalline to cryptocrystalline in part, slightly argillaceous in part, fossiliferous, minor **SHALE** inclusions, light gray to darker gray, soft to firm, platy fragments, minor pyrite

1500-1510 **LIMESTONE**: white to buff with increase tan fragments, moderately firm to soft, chalky in part, finely crystalline, cryptocrystalline in part, slightly argillaceous, minor visible fossils, increasing **SHALE** component with increasing depth, dark gray, blocky to platy, calcareous, slightly silty in part

1510-1515 **SHALE**: medium to dark gray, blocky to platy, micromicaceous in part to slightly silty in part, dolomitic in part, moderately firm to soft, **LIMESTONE**: mudstone, white to buff with increase tan fragments, moderately firm to soft, chalky in part, finely crystalline, cryptocrystalline in part, slightly argillaceous, minor visible fossils

TRENTON / BLACK RIVER GROUPS
1515m MD; 1512.6m TVD; -1333.2m SS

1515-1525 **LIMESTONE**: white to buff in part, moderately firm to soft, chalky, very fine to crystalline to silt, approximately 5% calcite cement, very clean with no visible argillaceous matrix, rare to no visible fossils

1525-1535 **LIMESTONE**: white to light gray, tan to buff, moderately firm to soft, chalky, microcrystalline to very fine to crystalline, >5% calcite cement, minor sucrosic dolomitic vein, overall very clean with minor argillaceous matrix, rare fossil to Brachiopod fragments

1535-1545 **LIMESTONE**: white to tan to buff brown, moderately firm to soft, chalky, predominantly microcrystalline to very fine crystalline, >5% calcite cement, minor sucrosic dolomitic vein, overall very clean with minor argillaceous matrix, rare fossil to Brachiopod fragments, no visible porosity at 60x

1545-1555 **LIMESTONE**: buff to light gray brown to white, moderately firm to soft, chalky in part, predominantly cryptocrystalline to upper fine crystalline, >1% cement, no visible porosity at 60x, scattered fossil fragments?, minor **SILTSTONE**: medium to dark gray, >1% **SHALE** component, slightly dolomitic in part

1555-1575 **LIMESTONE**: buff to light gray brown to white, moderately firm to soft, chalky in part, predominantly cryptocrystalline to upper fine crystalline, >1% cement, no visible porosity at 60x, scattered fossil fragments?, minor **SILTSTONE**: medium to dark gray, >1% **SHALE** component

1575-1590 **LIMESTONE**: white to buff to light gray, moderately firm to soft, chalky in part, predominantly cryptocrystalline to fine crystalline, >1% cement, very clean **LIMESTONE**, no visible porosity at 60x, scattered fossil fragments?, >2% **SHALE** component, light gray, blocky to fissile in part, slightly silty in part, scattered sucrosic fine grain dolostone to possibly dolomitic veins, trace black organic material, scattered stylolite inclusions, scattered pyrite, very fine grained

1590-1600 **LIMESTONE**: white to buff to light gray, moderately firm to soft, chalky in part, predominantly cryptocrystalline to fine crystalline, >2% cement, scattered fossil fragments?, increasing **SHALE** component with increasing depth, light to medium gray, blocky to fissile in part, slightly silty in part, scattered sucrosic fine grain dolostone, scattered pyrite, very fine grained

1610-1620 **LIMESTONE**: light gray brown to buff to white, moderately firm to soft, chalky in part, predominantly dense, cryptocrystalline to fine crystalline, >2% cement, scattered fossil fragments?, **SHALE**: medium to dark gray, blocky to fissile, moderately firm, slightly silty, slightly dolomitic with scattered sucrosic fine grained dolostone, scattered pyrite

1620-1630 **SHALE**: medium to dark gray, blocky to fissile, moderately firm, slightly silty, slightly dolomitic with scattered sucrosic fine grained dolostone, scattered pyrite, **LIMESTONE**: mudstone, light gray brown to buff to white, moderately firm to soft, chalky in part, slightly argillaceous, dense, cryptocrystalline to fine crystalline, >2% cement, scattered fossil fragments?

1630-1640 **SHALE**: light to medium gray, blocky to fissile, micromicaceous in part to slightly silty in part, moderately firm to soft, dense, slightly dolomitic with scattered fine to very fine sucrosic **DOLOMITE** crystals, **LIMESTONE**: mudstone, light gray brown to buff to white, moderately firm to soft, chalky in part, slightly argillaceous, dense, cryptocrystalline to fine crystalline, >5% cement, scattered fossil fragments?

1640-1650 **LIMESTONE**: light brown to tan, becoming light gray towards base of interval, moderately firm to soft in part, slightly chalky, predominantly microcrystalline to fine grained sucrosic **DOLOMITE** crystals, dense slightly argillaceous with approximately 10% limey **SHALE** component, **SHALE**: darker gray, blocky to amorphous to platy in part, silty in part, calcareous, minor visible pyrite

1650-1660 **LIMESTONE**: white to light gray, moderately firm to soft, chalky in part, microcrystalline to very fine crystalline, dense, **DOLOMITE**: (20%) limey **DOLOMITE** crystals, predominantly silty to very fine grained, sucrosic in part, minor **SHALE** component, darker gray, scattered massive pyrite fragments, rare glauconite, rare **SILTSTONE**, light gray to off white, calcareous, moderately firm, possibly stringers?, rare intercrystalline porosity, no visible shows

1660-1675 **DOLOMITE**: (40%) dolostone, limey **DOLOMITE** crystals, predominantly microcrystalline to very fine grained, sucrosic in part, good relief, **LIMESTONE**: mudstone, white to light gray, moderately firm to soft, chalky in part, dense, microcrystalline to very fine crystalline, minor **SHALE** component (5%) , gray green, calcareous, blocky to amorphous fragments, grades to **SILTSTONE**, light gray to off white, calcareous, possibly stringers?, very minor pyrite fragments

MINGAN 1670.0m MD; 1617.8m TVD; -1438.4m SS

1675 -1680 **DOLOMITE**: light green gray to off white, sucrosic texture with good relief, predominantly silt to lower fine grains, **DOLOMITE** cement with minor **LIMESTONE** cement component, minor crystalline porosity, slightly sandy , with light brown oil stained, pale yellow to gold fluorescence, slow yellow diffused cut, **SANDSTONE**: (15%) loose, clear to translucent quartz, upper fine to upper medium, rounded, poorly sorted, inferred good porosity, minor dolomitic **SANDSTONE**, >5% **LIMESTONE**: mudstone, white to light gray, moderately firm to soft, minor green gray to gray **SHALE** fragments, blocky, slightly limey, trace pyrite, distinct petroliferous odor

A TARGET 1683.0m MD; 1621.8m TVD; - 1442.4 SS

1680-1690 **DOLOMITE**: light green gray to off white, sucrosic texture with very good relief, predominantly silt to lower fine grains, **DOLOMITE** cement with minor **LIMESTONE** cement, minor crystalline porosity, slightly sandy , with light brown oil staining, pale yellow to gold fluorescence, slow yellow diffused cut, **SANDSTONE**: (5%), loose, clear to translucent quartz grains with minor consolidated **SANDSTONE** in dolomitic matrix, predominantly upper fine to upper coarse grains, rounded grains, poorly sorted, minor **LIMESTONE**: white to light gray, moderately firm to soft, minor green gray to gray **SHALE** fragments, blocky, slightly limey, trace pyrite, distinct petroliferous odor

1690-1700 **LIMESTONE**: (80%) light gray to white, moderately firm to soft, chalky in part, scattered microcrystalline to lower very fine grains, well cemented with abundant calcite to dolostone spar matrix, no visible porosity, no visible fossil, **DOLOMITE**: (15%) light gray to brown gray, sucrosic texture with fairly good relief, predominantly silty with scattered lower fine crystals, minor lower fine to coarse quartz grains, predominantly coarse clear to translucent, poorly sorted, trace green to gray **SHALE**, scattered brown mica flakes

1700-1710 **DOLOMITE**: (70%), white to medium gray brown, cryptocrystalline to very fine crystalline, moderately firm to hard, dense, slightly calcareous (dolostone) with scattered quartz grains, predominantly fine to coarse, poorly sorted, poor relief, **SHALE**: (10%), green to gray, blocky, moderately firm, predominantly dolomitic, **LIMESTONE**: (20%), white to light gray to moderately firm to soft, chalky in part, scattered microcrystalline to lower very fine grains, well cemented with abundant calcite to dolostone spar matrix, no visible porosity, no shows

1710-1715: **LIMESTONE**: light gray to off white, microcrystalline to cryptocrystalline grading to silt and lower fine crystals, moderately firm, chalky, well cemented, no visible porosity, no visible fossil, **DOLOMITE**: (3 to 5%) light to medium brown, microcrystalline to silt crystals, well cemented hard fragments, poor relief, no visible porosity, no oil shows

1715-1720 **DOLOMITE**: (100%), light brown to gray, slightly oil stained in part, sucrosic texture with very good relief, predominantly silt to lower fine crystals, very well sorted, approximately 25% intercrystalline cement, moderately firm, no visible porosity, uniform pale yellow to gold fluorescence, slow diffused cut, very strong petroliferous odor, no visible shows

B TARGET 1720.0m MD; 1629.0m TVD; -1449.6 SS

1720-1725 **DOLOMITE**: (90%), light brown to gray, sucrosic texture with very good relief, predominantly silty grading to lower fine in part, very well sorted, good crystalline relief, approximately 25% intercrystalline cement, moderately firm to soft fragments, appears well cemented, minor visible pinpoint porosity, uniform pale yellow to gold fluorescence, slow diffused cut, very strong petroliferous odor, no visible shows, increasing **SHALE** towards base of interval, green to gray, blocky, moderately firm, dolomitic, trace finely disseminated pyrite

1725-1735 **SHALE**: (60%), green to gray with scattered bright green fragments, generally non silty, blocky to slightly fissile in part, moderately firm, dolomitic, dull, trace finely disseminated in 5% of samples, **DOLOMITE**: pale brown to white, finely crystalline to microcrystalline to silt, approximately 25% cement, poor relief, no visible porosity, scattered medium clear quartz grains, possibly cavings?

1735-1740 **DOLOMITE**: (75%), dolostone, pale gray to off white, microcrystalline to silt crystals, 25% intercrystalline cement, poor relief, moderately firm fragments, appears well cemented, no visible porosity, no shows, **SHALE**: (15%), green to gray, blocky, firm, dolomitic, minor finely disseminated pyrite, **LIMESTONE**: (10%), white to light gray, cryptocrystalline, dolomitized

1740-1745 **DOLOMITE**: (65%), dolostone, pale gray to off white, microcrystalline to silt crystals, 25% intercrystalline cement, poor relief, moderately firm fragments, appears well cemented, no visible porosity, no shows, **LIMESTONE**: (20%), white to light gray, cryptocrystalline, dolomitized, **SHALE**: (15%), green to gray, blocky, firm, dolomitic, minor finely disseminated pyrite

1745-1755 **DOLOMITE**: (70%) dolostone, light gray to off white, silty to microcrystalline, approximately dolomitic 25% cement, no visible **LIMESTONE** cement, generally soft, overall poorly cement, no visible porosity, no shows **SHALE**: (25%) green to gray, moderately hard, dolomitic in part, blocky to amorphous, **LIMESTONE**: (5%) white to light gray, cryptocrystalline to microcrystalline, minor visible brecciated fragments to possibly fracture filling, (>1%) crystals are perpendicular to vein walls, appears well cement, scattered fossil fragments?

1755-1760 **DOLOMITE**: (70%) dolostone, light gray to off white, silty to microcrystalline, approximately dolomitic 25% cement, no visible **LIMESTONE** cement, generally soft, overall poorly cemented, no visible porosity, no shows **SHALE**: (25%) green to gray, moderately hard, dolomitic in part, blocky to amorphous, **LIMESTONE**: (5%) white to light gray, cryptocrystalline to microcrystalline, moderately firm

1760-1765 **DOLOMITE**: (60%) dolostone, light gray to off white, silty to microcrystalline, approximately dolomitic 25% cement, no visible **LIMESTONE** cement, generally soft, overall poorly cemented, no visible porosity, no shows, tight, **SHALE**: (40%) green to gray, blocky to amorphous with minor platy fragments, hard, dolomitic, moderately fine to microcrystalline **LIMESTONE**: (trace)

1765-1770 **DOLOMITE**: (50%)light gray to off white, microcrystalline to silt crystals, minor dolomitic and limey cement, moderately soft to firm in part, overall poorly cement, no visible porosity, no shows, **LIMESTONE**: (25%), white to off white, microcrystalline, slightly chalky, no visible fossil fragments, dense, recrystallized, **SHALE**: (25%) green to gray, blocky to amorphous, dolomitic, moderately hard, very minor **SANDSTONE**, fine grained. scattered loose grains. clear to translucent, quartzose

1770-1775 **DOLOMITE**: (45%), white to light gray, microcrystalline, poor relief, dense, moderately firm to hard, trace limey component, no visible porosity, no shows, **SHALE**: (30%) green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, **LIMESTONE**: (25%) white to off white, microcrystalline with scattered **DOLOMITE** cryptocrystalline crystals, slightly chalky in part, no visible fossil fragments, dense, recrystallized

1775-1785 **SHALE**: (40%), green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, **LIMESTONE**: (30%), white to light buff, microcrystalline with scattered **DOLOMITE** silt sized crystals, slightly chalky in part, rare visible fossil fragments, dense, **DOLOMITE**: (30%), white to light gray, microcrystalline, poor relief, dense, moderately firm to hard, trace limey component, rare visible calcareous fossil fragments, no visible porosity, no shows

1785-1795 **SHALE**: (40%), green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, decreasing green **SHALE** fragments, **LIMESTONE**: (30%), white to light buff, predominantly microcrystalline crystals to silt sized, slightly chalky in part, rare visible fossil fragments, dense, **DOLOMITE**: (30%), white to light gray, microcrystalline, poor relief, dense, moderately firm to hard, trace limey component, no visible porosity, no shows

1795-1805 **DOLOMITE**: (50%), off white to light gray, microcrystalline to silt, well sorted crystals, moderately relief, dense, moderately firm to hard, no visible porosity, no shows, trace pyrite, trace mica **SHALE**: (40%) green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, **LIMESTONE**: (10%) white to light buff, predominantly microcrystalline crystals to silt sized, slightly chalky in part, no visible fossil fragments, dense, moderately soft to friable

1805-1810 **DOLOMITE**: (70%), off white to light gray, microcrystalline to silt, well sorted crystals, sucrosic, good relief, dense, moderately firm to hard, rare intercrystalline visible porosity, no shows, trace pyrite, trace mica, **SHALE**: (25%) green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, **LIMESTONE**: (>5%) white to light buff, predominantly microcrystalline crystals to silt sized, slightly chalky in part, no visible fossil fragments, dense, moderately soft to friable

1810-1815 **DOLOMITE**: (85%) predominantly off white with minor buff fragments , microcrystalline to silt, well sorted crystals, sucrosic, good relief, dense, moderately firm to hard, rare intercrystalline visible porosity, no shows, trace pyrite, trace mica, **SHALE**:(10%) green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard, **LIMESTONE**: (5%) white to light buff, predominantly microcrystalline crystals to silt sized, slightly chalky in part, no visible fossil fragments, dense, moderately soft to friable

1815-1825 **DOLOMITE**: (80%), predominantly off white with minor buff fragments , microcrystalline to silt, well sorted crystals, sucrosic, good relief, dense, moderately firm to hard, rare intercrystalline visible porosity, no shows, trace pyrite, trace mica, **SHALE**: (15%), green to gray, blocky to amorphous, dolomitic, well cemented, moderately hard **LIMESTONE**: (>5%), white to light buff, predominantly microcrystalline crystals to silt sized, slightly chalky in part, no visible fossil fragments, dense, moderately soft to friable

1825-1835 **DOLOMITE**: (65%), gray to off white, silty to microcrystalline, well defined rhombs, approximately dolomitic 25% cement, dense, very hard, no visible relief, no visible porosity **SHALE**: (30%), green to gray, blocky to fissile, moderately hard, dolomitic **SANDSTONE**: (5%) consolidated, white to clear, clear to translucent quartz, predominantly lower fine to good grains with scattered loose coarse grains, well sorted, rounded, moderately firm, well cemented, calcareous well dolomitic to possibly siliceous cemented, trace green clay fragments

1835-1853 **SANDSTONE**: (70%), consolidated with scattered loose grains, white to clear, clear to translucent quartz, predominantly lower fine to fine grained, well sorted, rounded, moderately firm, well cemented, calcareous well dolomitic cement to possibly siliceous cement in part, trace green clay fragments, **SHALE**: (25%), green to gray, blocky to fissile, moderately hard, dolomitic, **DOLOMITE**: (5%), pale gray, silty to microcrystalline crystals, approximately dolomitic 25% cement, dense, very hard, no visible relief, no visible porosity

SAUK UNCONFORMITY 1855.0m MD; 1644.6m TVD; -1465.2m SS

ROMAINE 1855.0m MD; 1644.6m TVD; -1465.2m SS

1853-1855 **SANDSTONE**: (60%), consolidated, fine grained with scattered loose medium grains, well sorted, fine to medium grains, sub rounded to rounded in part, well cemented, dolomitic to siliceous cement, moderately firm, trace pyrite, trace green clay fragments, very hard, dense, possibly dolomitic, very well cemented, **SHALE**: (30%) green to gray blocky to amorphous, dolomitic, moderately hard, **DOLOMITE**: (5 to 10%), silty to microcrystalline crystals, approximately dolomitic 25% cement, dense, very hard, no visible relief, no visible porosity, minor visible **LIMESTONE**, white, chalky, microcrystalline, moderately soft

1855-1867 **DOLOMITE**: (45%), silty to microcrystalline crystals, approximately dolomitic 25% cement, dense, very hard, no visible relief, no visible porosity, **SHALE**: (30%), green to green gray to medium gray, blocky, moderately hard, dolomitic, well cement, abundant pale green fragments, **LIMESTONE**: (20%) white, chalky, microcrystalline, moderately soft, trace quartz grains, possibly cavings, trace crystalline pyrite

C TARGET 1867.0m MD; 1646.9m TVD; -1467.5 SS

1867-1875 **LIMESTONE**: (50%), light gray to off white with scattered darker brown fragments, microcrystalline, moderately soft, friable, **SHALE**: (40%), green to gray with scattered darker gray fragments, moderately hard, dolomitic, **DOLOMITE**: (10%) light gray to off white to clear, sucrosic texture, predominantly microcrystalline to upper fine crystals, very good relief, appears tight, dense, no visible porosity, no shows, trace pyrite, trace mica flakes

1875-1880 **SHALE**: (40%), green to gray with scattered darker gray fragments, moderately hard, dolomitic, **LIMESTONE**: (35%), white to light gray, with scattered darker brown fragments, microcrystalline, moderately soft, friable, **DOLOMITE**: (25%) light gray to off white with minor clear fragments, predominantly microcrystalline, poor relief, appears tight, dense, no visible porosity, no show, trace pyrite, trace mica

TARGET D 1880.0m MD; 1649.3m TVD; -1469.9 SS

1880-1890: **DOLOMITE**: (60%) medium gray brown, microcrystalline, moderately hard, poor relief, dense, no visible porosity, **LIMESTONE**: (35%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, rare fossils?, **SHALE**: (>5%), green to gray, blocky, dolomitic, moderately hard, trace pyrite

1890-1900 **DOLOMITE**: (50%) medium gray brown, microcrystalline, moderately hard, poor relief, dense, no visible porosity, **LIMESTONE**: (45%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, rare fossils?, **SHALE**: (>5%), green to gray, blocky, dolomitic, moderately hard, trace pyrite

1900-1910 **DOLOMITE**: (60%) medium gray brown, microcrystalline, moderately hard, poor relief, dense, no visible porosity, **LIMESTONE**: (35%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, rare fossil?, **SHALE**: (>5%), green to gray, blocky, dolomitic, moderately hard, trace pyrite

1910-1920 **DOLOMITE**: (50%) medium gray brown, microcrystalline, moderately hard, poor relief, dense, no visible porosity, **LIMESTONE**: (50%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, rare fossil?, trace green to gray **SHALE** fragments, blocky, dolomitic, moderately hard, trace pyrite

1920-1930 **DOLOMITE**: (60%) medium gray brown, microcrystalline, moderately hard, poor relief, dense, no visible porosity, **LIMESTONE**: (40%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, rare fossil?, very minor green to gray **SHALE** inclusions, blocky, dolomitic, moderately hard, trace pyrite

1930-1940 **DOLOMITE**: (50%) medium gray brown to darker gray to black in part, microcrystalline to extra fine crystalline crystals, moderately hard, fair surface relief with scattered rhombohedral crystals, dense, rare visible porosity at 60X, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard, **LIMESTONE**: (50%), white to pale gray, microcrystalline, well scattered **DOLOMITE** crystals, moderately soft, chalky in part, scattered darker brown material to possibly pyrobitumen, no visible fluorescence, rare fossil fragments?, very minor green to gray **SHALE** inclusions, blocky, dolomitic, moderately hard, trace pyrite veins, rare clear calcite crystals

1940-1950 **SHALE**: (40%) green gray to medium gray, blocky, hard, dolomitic with abundant microcrystalline rhombodedral crystals, tight, dense, **LIMESTONE** (35%) white to light gray, cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous, abundant bitumen smear, **DOLOMITE**: (25%), medium brown to gray to buff, microcrystalline to extra fine crystalline crystals, moderately hard, fair to poor surface relief with abundant well defined rhombohedral crystals, dense, rare visible porosity at 60X, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard

1950-1960 **SHALE**: (40%) green gray to medium gray, blocky, hard, dolomitic with abundant microcrystalline rhombohedral crystals, tight, dense, **LIMESTONE** (35%) white to light gray, cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous, abundant bitumen smear, **DOLOMITE**: (25%), medium brown to gray, microcrystalline to extra fine crystalline, moderately hard, fair surface relief with scattered rhombodedral crystals, dense, rare visible porosity at 60X, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard,

1960-1970 **LIMESTONE** (55%) white to light gray with minor light brown fragments, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous, abundant bitumen smear, **SHALE**: (35%) green gray to medium gray, blocky, hard, dolomitic with scattered microcrystalline rhombohedral crystals, tight, dense, **DOLOMITE**: (10%), medium brown to gray, microcrystalline to extra fine crystalline crystals, moderately hard, fair surface relief with scattered rhombodedral crystals, dense, rare visible porosity at 60X, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard

1970-1980 **LIMESTONE**: (70%), recrystallized, white to light brown, cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, rare visible fossil, abundant bitumen smear, **SHALE**: (30%) green gray to medium gray, blocky, hard, dolomitic with scattered microcrystalline rhombohedral crystals, tight, dense, **DOLOMITE**: (5%), medium brown to gray, microcrystalline to extra fine crystalline crystals, well sorted, moderately hard, fair surface relief with scattered rhombohedral crystals, dense, no visible porosity, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard, scattered fragments with abundant pyrite to calcite component

1980-1990 **SHALE**: (50%) green gray to medium gray, blocky, hard, dolomitic with minor microcrystalline rhombodedral crystals, tight, dense, **LIMESTONE**: (45%), recrystallized, white to light brown, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous in part, abundant bitumen smear, **DOLOMITE**: (5%), medium brown to gray, microcrystalline to extra fine crystalline crystals, well sorted, moderately hard, fair surface relief with scattered rhombohedral crystals, dense, no visible porosity, grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard, rare pyrite

1990-2000 **LIMESTONE**: (55%), recrystallized, white to light brown, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous in part, abundant bitumen smear, **SHALE**: (35%) green gray to medium gray, blocky, hard, dolomitic with abundant microcrystalline rhombodedral crystals, tight, dense, **DOLOMITE**: (10%), medium brown to gray, microcrystalline to extra fine crystalline crystals, well sorted, moderately hard, fair surface relief with abundant well defined rhombohedral crystals, dense, no visible porosity, **DOLOMITE** grades to dark gray dolomitic **SHALE**, blocky to fissile in part, hard, rare pyrite

2000-2010 **LIMESTONE**: (50%), recrystallized, white to light brown, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous in part, **DOLOMITE**: (40%), medium brown to gray to off white, microcrystalline to extra fine crystalline crystals, well sorted, moderately firm to soft, fair surface relief with abundant well defined rhombohedral crystals, dense, no visible porosity, **DOLOMITE** grades to dark gray dolomitic **SHALE** in part, blocky to fissile in part, hard, rare pyrite, **SHALE**: (10%) green gray to medium gray, blocky, hard, tight, dense

2010-2015 **DOLOMITE**: (55%), medium brown to gray to off white, microcrystalline to extra fine crystalline crystals, well sorted, sucrosic texture, moderately firm to soft, good surface relief with abundant well defined rhombodedral crystals, dense, no visible porosity with abundant **DOLOMITE** matrix, **LIMESTONE**: (40%), recrystallized, white to light brown, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous in part, **DOLOMITE** grades to dark gray dolomitic **SHALE** in part, blocky to fissile in part, hard, rare pyrite, **SHALE**: (5%) green gray to medium gray, blocky, hard, tight, dense

F TARGET 2015.0m MD; 1682.1m TVD; -1502.7 SS

2015-2038 **DOLOMITE**: (80%), gray to off white to light brown, microcrystalline to extra fine crystalline crystals, well sorted, sucrosic texture, moderately firm to soft, ex surface relief with abundant well defined rhombodedral crystals, appears well cemented, rare visible porosity with abundant **DOLOMITE** matrix and scattered black pyrobitumen, **LIMESTONE**: (10%), recrystallized, white to light brown, predominantly cryptocrystalline to microcrystalline, slightly dolomitic, chalky in part, soft, fossiliferous in part, **DOLOMITE** grades to dark gray dolomitic **SHALE** in part, blocky to fissile in part, hard, rare pyrite, **SHALE**: (10%) green gray to medium gray, blocky, hard, tight, dense

TOTAL DEPTH
2038.0m MD; 1688.36m TVD; -1508.96 SS

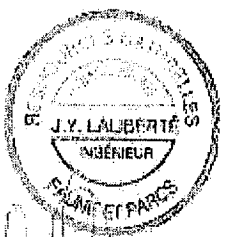
Reached July 17, 2010 at 03:15

Ressources naturelles et Faune
Québec

Permis de réentrée de puits

2010RD019

Nom du puits :	Corridor/HQ, Anticosti, Jupiter No 1
Numéro du puits :	D019
Date de délivrance :	04 juin 2010
Permis de recherche ou bail :	2009RS264
Nom du titulaire :	Corridor Resources Inc.
Opérateur :	Corridor Resources Inc.
Entrepreneur :	Nabors Drilling Ltd.
Région :	(D) Anticosti / Estuaire du St-Laurent



Direction générale des hydrocarbures et des biocarburants

Permis délivré en vertu de la Loi sur les mines (L.R.Q., chapitre M-13.1)

Jean-Yves Laliberté, ing., M.Sc.
Coordonnateur de l'exploration

WELL LICENCE

CORRIDOR/HQ, ANTICOSTI
JUPITER # NO1 R1 2010RD019

24

CORRIDOR RESOURCES INC

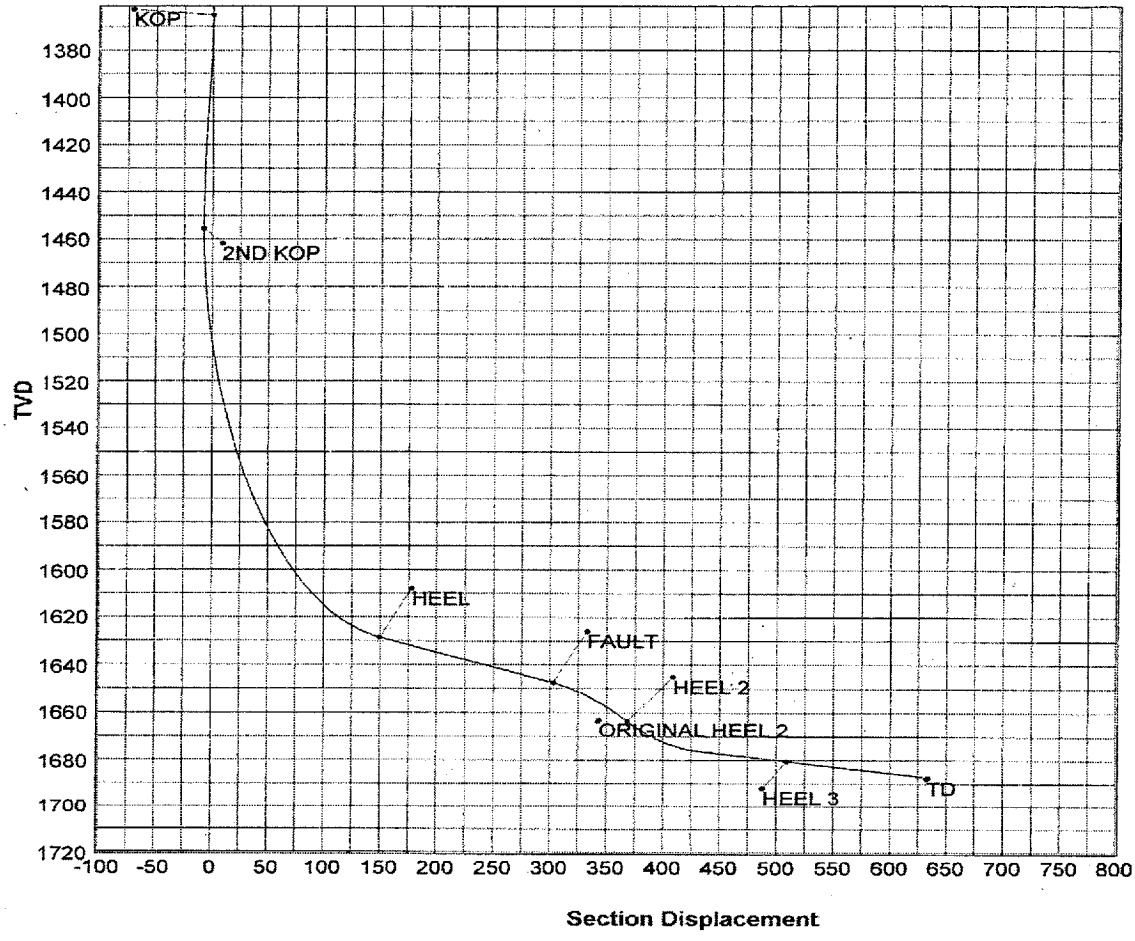
WELL PLAN SECTION VIEW

CORRIDOR RESOURCES INC.
CORRIDOR/HQ ANTICOSTI JUPITER #1 R1
ANTICOSTI ISLAND QUEBEC

Weatherford

Section View

PROPOSAL



Vertical Section Calculated Along Azimuth 33.93°
All units are displayed in Meters

Date :6/29/2010
File #:4019454P10