

NATIONAL ENERGY BOARD
Exploration and Production

JUN 28 2010

FINAL WELL REPORT

PARAMOUNT RESOURCES LTD.

PARA ET AL CAMERON N-06

Grid: 60° 10' 117° 30'

WID 2067

UWI 300N066010117300

DATE: June 22, 2010

COMPANY REPRESENTATIVE:

Dick Heenan, P. Eng.

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A. INTRODUCTION

Executive Summary

Paramount Resources Ltd. (Paramount) drilled Para et al Cameron N-06 as 1450 meter vertical well. The well was spudded 20100219 15:30 and the drilling rig was released on 20100305 23:59. The purpose of the well was to evaluate hydrocarbon potential. The primary target was the Sulphur Point Dolomite formation with a secondary target in the Slave Point formation.

The drilling contractor was Precision's Rig #245.

The well was drilled on Production License No PL-019.

A cellar and conductor were pre-installed, and a diverter system was employed during the drilling of surface hole to 377 mKB. A boulder and loose sand were encountered @ 38m. This continued to give trouble and a BHA with reamer had to be run to break it up. A string of 219 mm surface casing was run and cemented. (6.7m fill encountered)

The casing and conductor were trimmed and the casing bowl was welded on. The BOP's were installed and function tested. The BOP's and manifold were pressure tested to 1400 kPa low pressure and 14,000 kPa high pressure (except annular preventer to 10,500 Kpa high).

The float collar and shoe were drilled out. No leak off test was performed as per waiver received 20091217 from the Chief Conservation Officer of the National Energy Board. A 200 mm hole was drilled with a flocculated water system to below the Wabamun and then mudded up @ 950. No losses were encountered in the Wabamun. Deviation increased slightly in the Hay River (1000m) from 0.5 to 1.5 degrees @ 1050 and 3 degrees @ 1200m. The well drilled to TD without any other significant incidents.

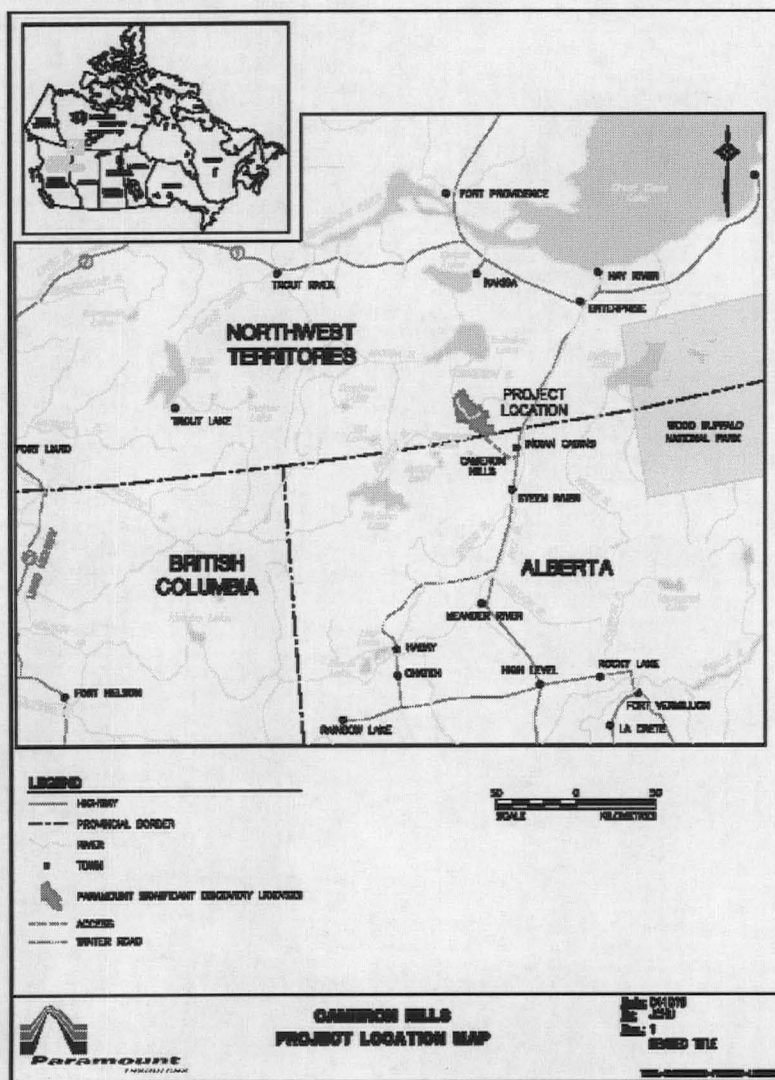
Weatherford Wireline ran induction, density, dipole sonic, and micro-resistivity logs from bottom to surface casing.

Production casing (139.7 mm) was run and set and cemented at 1449 mMD.

Completions Summary

The Sulphur Pt Dolomite and Limestone we tested with disappointing results. These zones were isolated with bridge plugs and the well was completed as a Slave Point gas producer. It is currently tied-in, but suspended and waiting for a Class 'A' water license to be put on production

Locality Map – Cameron Hills NWT



B. GENERAL DATA

1. Well Name: Para et al Cameron N-06
Well Identification Number (WID): 2067
Production License: PL-019
Location Unit: N
Section: 06
Grid Area: 60° 10' 117° 30'
Classification: Delineation
2. Surface Coordinates: (NAD 27) (Final "as built" survey)
Latitude: 60° 05' 49.2"
Longitude: 117° 31' 13.5"
3. Unique Well Identifier: 300N066010117300
4. Operator: Paramount Resources Ltd.
5. Contractor: Precision Drilling
6. Drilling Unit: Precision Rig # 245
(conventional mechanical double land rig rated for 2000 m)
Mud system capacity of 66 m3.
BOP - 229mm 21MPa Class VI BOP system with NACE trim.
A remote choke manifold with NACE trim was also contracted for & supplied.
A second mud pump was added to improve surface hole drilling performance.
7. Position Keeping: N/A
8. Support Craft (Helicopter): N/A
9. Drilling Unit Performance: Fair (crews not familiar with NWT level of expectation)
10. Difficulties and Delays:
No significant difficulties or delays on the drilling of this well.
Minor delays occurred in cementing due to sharing of services between rig 245 and 436, and also due to daylight bans on lease road due to warm weather.
11. Total Well Cost:

Drilling	\$1,800,000
Completion	\$ 520,000

12. Bottom Hole Co-ordinates: (NAD 27)
Assumed as vertical well
Latitude: 60° 05' 49.2"
Longitude: 117° 31' 13.5"

C. SUMMARY OF DRILLING OPERATIONS

1. Elevations:
 - Ground: 712.3m above sea level (final "as built" survey)
 - Casing Flange: 712.6 (final "as built" survey)
 - KB: 717.2 m above sea level
 - KB to Casing Flange: 4.65 m
2. Total Depth: 1450 mMD
3. Date and Hour Spudded: 20100219 15:30
4. Date of Rig Release: 20100305 23:59
5. Well status: Cased, tied in, and suspended
(Waiting on Class A Water License for production)
6. Hole Sizes and Depths:
 - Conductor Hole: 610 mm to 24.4 m
 - (Formations in conductor) 0 - 18.3 -clay & rocks w/permafrost
 - 18.3 - 24.4 - solid clay
 - Surface Hole: 311 mm to 377 mKB
 - Main Hole: 200 mm to 1450 mMD
7. Casing and Cementing Record:
 - Conductor Hole:
 - Casing Size: 406 mm
 - Depth Set: 24.4 m
 - Cement Volume: 80 sacks
 - Cement Type: Portland
 - Surface Hole:
 - Casing Size: 219.1 mm
 - Casing Weight: 35.7 kg/m
 - Casing Grade: J-55
 - Thread: ST&C
 - Depth Set: 371 mKB
 - Cement Volume: 38 Tonnes
 - Cement Type: Class 'G'
 - Additives: 1.5% CaCl₂
 - Cement Returns: none to surface (observed pre-flush @ surface)
 - Bumped Plug: 7MPa
 - Top Job: Topped up annulus with 18 sacks of cement to stabilize the casing
 - Main Hole:
 - Casing Size: 139 mm
 - Casing Weight: 20.8 kg/m

Casing Grade:	J-55
Thread:	ST&C
Depth Set:	1449 mMD
Plug Back Depth:	1435.6 mMD (tagged @ 1434 with wireline)
Cement Volume 1:	27 Tonnes
Cement Type 1:	Thixlite
Additives 1:	0.4% LTR
Cement Volume 2:	9 Tonnes
Cement Type 2:	Expandomix LWL
Additives 2:	0.15% CFL-3 + 0.3% LTR.
Cement Returns:	3m3
Bumped Plug:	14.5MPa

8. Sidetracked Hole: No

9. Drilling Fluid: See detailed mud reports in appendix

Conductor Hole: Dry drilled (auger)

Surface Hole: Shure Shale/PHPA

Properties:	Viscosity:	33-80 sec/L
	Weight:	1050 - 1080 kg/m ³
	PH:	8.0

Remarks: Gravel and sand blinding shaker screens
Boulder(s) @ 60- 80m
Shales highly bentonitic from 240 to 750 (Ft Simpson)

Main (379– 980 m): Floc water

Properties:	Viscosity:	28 - 32 sec/L
	Weight:	1010 - 1045 kg/m ³
	PH:	8.0 – 9.0
Remarks:	No lost circulation in Wabamun	

Main (980 m – TD): Shure Shale/PHPA

Properties:	Viscosity:	33 - 76 sec/L
	Weight:	1040 - 1050 kg/m ³
	PH:	9.0 – 10.5
Remarks:	Moderate tight hole & sloughing in Muskeg (1369+)	

10. Fishing Operations: None

11. Well Kicks and Well Control Operations: None

12. Formation Leak Off Tests: No leak off test was performed as per waiver received 20091217 from the Chief Conservation Officer of the National Energy Board.

13. Time Distribution by Activity:

IADC Code	Activity	Hours	Percentage
1	Move in / rig up:	39.8	8.3
2	Drill	141.2	29.4
3	Ream	21	4.4
4			
5	Circulate and condition mud:	19.2	4
6	Trip	54.0	11.25
7	Rig Service	8.2	1.7
8	Repair Rig	1.0	0.2
9	Slip & cut line	0.8	0.16
10	Survey	9.0	1.9
11	Wireline logs	9.8	2.0
12	Casing & Cement	16.0	3.3
13	WOC	9.8	1.9
14	Nipple up	14.8	3.0
15	Test BOP	8.8	1.8
16	Drillstem Test		
17			
18	Squeeze Cement	0	0
19			
20	Directional Work	0	0
21	Safety Meeting	17.2	3.6
22	Tear out	38.2	8.0
23	Wait on (other than cement)	3.0	0.6
24			
25	Other (diverter install, W/O license, etc)	69.0	14.4

14. Deviation Survey: Vertical Well
15. Abandonment Plugs: N/A for drilling
Well was cased and cemented full length for completion & testing
16. Composite Well Record: See the copy of the strip log in the Geological Report in the Attachments Section
17. Wellhead: GE Vetco
Casing Bowl: 228 mm x 219 mm x 21 MPa
Top Section: 179.4mm - 20.7MPa X 65.1mm - 34.5MPa
DD Sour Service trim with ext. neck hanger

18. Completion:

The Sulphur Pt Dolomite and Limestone we tested with disappointing results. These zones were isolated with bridge plugs and the well was completed as a Slave Point gas producer. It is currently tied-in, but suspended and waiting for a Class 'A' water license to be put on production

Completion Operations

- Moved in & rigged up Concord 41 service rig, test equipment & flare stack on 20100310
- Displaced well to fresh water with 3% KCL (used as completion fluid)
- Cement bond log – cement top @ surface – good bond throughout
- Perforated with wireline guns – underbalanced (6kPa pressure response)
Sulphur Pt Dolomite 1421.5 – 1424.0, 1392 – 1396.5, 1382 -1385mKB
- Selective acid squeeze w/ 15% HCl – breakdown @ 13MPa – squeeze 130 lpm @ 10MPa
- Swab – did not recover load (4.6m3 LTR)
- Run static gradient
- Set bridge plug @1379mKB and P-test to 14MPa
- Perforated with wireline guns – underbalanced
(16 kPa pressure response X 2 hours))
Sulphur Pt Limestone 1370.5 – 1371.5, 1365 -1366,
Slave Point 1283 -1286mKB
- Selective acid squeeze w/ 15% HCl – Sulphur Pt Limestone extremely tight – Slave Point broke @ 3MPa – acid squeeze 200 lpm @ 1MPa
- Swab & evaluate – Recovered 7m3 fluid & well started to flow (water with 7% oil)
- Flow on clean up – 3.5MPa – 50 10E3M3/D
- Pull selective acid tools
- Set bridge plug @ 1350 (to isolate Sulphur Point Limestone)
- RIH w/ 60mm tubing (note nominal 78mm wellhead)
- Flow on clean up – 60 10E2M3/D @ 2MPa
- SI well – Chain & lock wellhead and turn over to facilities for pipeline construction (waiting on Class 'A' Water License)
- Released completion rig 20100319

Further details including completions schematic “as built” are located in the appendices

D: GEOLOGY

FORMATION TOPS

FORMATION	PROGNOSIS		SAMPLE/LOG		COMMENTS
	TOPS		TOPS		
KB: 717.1m ASL	m TVD	m SS	m TVD	m SS	m Isopach
Wabamun FM	484.1	233.0	485.0	232.1	173.0
Jean Marie Mbr	657.1	60.0	658.0	59.1	6.0
Fort Simpson Fm	663.1	54.0	664.0	53.1	104.0
Twin Falls Fm	775.1	-58.0	768.0	-50.7	159.0
Hay River Fm	936.1	-219.0	923.0	-205.8	327.0
Beaverhill Lake Fm	1264.1	-547.0	1250.0	-532.8	24.0
Slave Point Fm	1287.1	-570.0	1274.0	-556.8	42.0
F4 Marker Fm	1328.1	-611.0	1316.0	-598.8	10.0
Watt Mountain Fm	1336.1	-619.0	1326.0	-608.8	36.0
Sulphur Pt Ls Fm	1344.1	-627.0	1362.0	-644.8	16.0
Sulphur Pt Dol	1355.1	-638.0	1378.0	-660.8	47.0
Muskeg Fm	1369.1	-652.0	1425.0	-707.8	25.0
Total Depth	1392.1	-675.0	1450.0	-732.8	-

(From Geological Report – full version in the Attachments Section)

SAMPLE DESCRIPTIONS:

See the Geological Report in the Attachments Section.

GAS DETECTION REPORT

A gas detector was utilized from the drill out of the conductor pipe to total depth. The gas detector readings are included on the composite geological log in the Attachments Section.

DRILL STEM TESTS:

No Drillstem tests were run

WELL EVALUATION

The following logs were run:

Simultaneous Triple Induction Shallow Focused Log:	371 - 1446.9 mMD
Spectral Density Compensated Neutron Log:	4.7 - 1448.3 mMD
Dipole Sonic Log:	371.5 - 1434.6 mMD
Micro-Resistivity Log:	500 - 1437.8 mMD

COMPLETION AND TESTING DATA

The following are found in the appendices
(to the extent that they were obtained/performed on this well)

- Swab reports
- Pressure survey (static gradient)
- Acid Stimulation report

E. ENVIRONMENTAL CONSIDERATIONS

There are no known outstanding environmental considerations on this well.

WEATHER SUMMARY

Unseasonably warm weather was encountered during drilling (late February), temperatures ranged from 3 C to -18C and were generally clear and calm. Increasing daylight softened the roads. There was standing water on the lease and travel on the lease roads had to be restricted to night. Due to deteriorating road conditions, operations had to be shut down at the end of this well and as a result the final well(s) in the program were not drilled. During completions the weather cooled and road conditions improved somewhat.

ENVIRONMENTAL PROTECTION

Fuel tanks were all double walled.

Minor “drips & spills” were cleaned up and recorded on the “Spill Log”.

There was one spill exceeding the reporting threshold to the NWT Spill Line.

Significant challenges (minor spills) were encountered due to differences in expectation between crews trained and experienced with practices in Alberta, and Paramount’s much higher expectations in the NWT. This is a difficult challenge due to the short operating season due to the requirements for “winter only”

WASTE HANDLING

The well was drilled sumpless with all drilling fluids being held in tanks on the lease. At the end of the job the water was stripped from the mud system and hauled to the subsequent wells for re-use.

The solids were hauled to a remote site at B-08 60° 10' N, 117° 30' W where they were disposed of in cell ‘C’ using the mix/bury/cover technique. Due to the nature of the formations drilled, it was essentially impossible to avoid carry-over of liquids with the solids taken to the sump. Solids that appeared relatively “dry” when hauled to the sump subsequently separated, leaving a small quantity of liquid on the surface. An attempt was made to use a “high G dryer” to reduce this effect, but it was not very successful. To prevent the freezing and subsequent incorporation of liquids into the sump (a violation of the Land Use Permit), a “bell hole” was dug in the sump material and the excess fluid sucked off with a vacuum truck and returned to the active drilling fluid system.

Liquid waste generated during the completions operations (spent KCL and produced water) was hauled to a deep well disposal site in Alberta for injection.

Sewage generated on site was trucked to the central camp @ H-03 where it was treated stored and tested prior to discharge. Treated effluent, passing discharge criteria, was discharged to the land, avoiding water course and water bodies. Material that did not pass was either re-processed until satisfactory or hauled to an approved municipal sewage facility in Hay River.

SPILLS

The one reportable spill was 2m³ of fresh water drilling mud. This leaked from the mud tanks, through a valve to the mud pump and out a cover that had been left open for maintenance. Most of the material was shoveled and vacuumed up at the time, with a small amount left below the tanks and subsequently cleaned up when the rig was moved off.

APPENDICES

1. Wellbore Schematic
2. Wellhead Schematic
3. Geological report & geological composite log (strip log)
4. Survey plan.
5. Rathole Report
6. Paramount Daily Reports (drilling)
7. Tour Sheets (drilling)
8. Drilling Fluid Reports
9. Paramount Daily Reports (completion)
10. Tour Sheets (completion)
11. Swab Reports
12. Static Gradient
13. Gas & Water Analyses
14. Acid Stimulation Reports

Zone	Slave Point (open)	Interval :	1283m - 1286mKB
	Pure Energy Bridge plug		Set @ 1357mCE
Zone	Sulphur Point (Closed)	Interval	1365m - 1366mKB
Zone	Sulphur Point (Closed)	Interval	1370.5m - 1371.5mKB
	Pure Energy Bridge plug		1379mCE
Zone	Sulphur Point (Closed)	Interval	1382m - 1385mKB
Zone	Sulphur Point (Closed)	Interval :	1392m - 1396.5mKB
Zone	Sulphur Point (Closed)	Interval :	1421m - 1425mKB

Stimulation : Acid Squeeze

**GE Oil & Gas**

710, 530 - 8th Ave S.W. Calgary, Alberta T2P 3S8
Phone: (403) 264-4146 Fax (403) 269-4224
Toll Free: 1-800-925-6024

Quotation**10-16881**

Rev

0

Date: March 1, 2010
Sold To: **Paramount Res.**
Attention: Mr. Dick Heenan
Reference: Cameron Hills
Currency: CAD
Payment Terms: Net 30 days
Delivery: Stock as Required
x F.O.B. Point: Edmonton
F.C.A. Point
Quotation Validity: 45 days
Account Representative: Al Stratulate

Quotation 10-16881 Rev 0

<u>Item</u>	<u>Qty</u>	<u>Part No</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
			EQUIPMENT QUOTED HEREIN ARE BASED ON:		
			MATERIAL CLASS: DD-NL TEMPERATURE RATING: L-U PSL 1, PR 1 UNLESS OTHERWISE NOTED		
1	1		CASING HEAD ASSEMBLY, VG-SOW, 9 3000 (228.6mm20.7MPa) X 8-5/8 (219.1mm) SOW, C/W (2) 2-1/16 3000 (52.4mm20.7MPa) SSO W/ 1.900 (48.3mm) VRT, API 6A 19TH ED., TC L-U, MC CDD, PR-1, PSL-1	1762.50	1762.50
2	1		CASING SLIP ASSEMBLY, VGS, 9 (228.6mm) X 5-1/2 (139.7mm), MANUAL SLIP, API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	413.10	413.10
3	2		PRIMARY SEAL ASSEMBLY, VGS, 9 (228.6mm) X 5-1/2 (139.7mm), API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL1	255.15	510.30
4	1		GATE VALVE ASSY, VGC, 2-1/16 5000 (52mm 34.5MPa) FLANGED, FULL PORT. API 6A 19TH ED PSL-1, PR-1 TC L-U, MC DD	2,020.75	2020.75
5	2		COMPANION FLANGE, 2-1/16 5000 (52mm 34.5MPa) X 2 (50mm) LP API 6A 19TH ED PSL-1, PR-1, TC L-U, MC DD	107.73	215.46
6	1		BULL PLUG XXH 2 (50mm) LP X 1/2 (12.7mm) NPT TAPPED	26.73	26.73
7	1		NEEDLE VALVE 1/2 (12.7mm) NPT MXF STRAIGHT 316 S.S. 10000 WP	109.35	109.35

Quotation 10-16881 Rev 0					
Item	Qty	Part No	Description	Unit Price	Total
8	1		PRESSURE GAUGE 0 - 3000 (20.7MPa) CW 4 (101.6mm) DIAL 1/2 (12.7mm) NPT BTM NACE	75.33	75.33
9	1		RING GASKET R-49 316 S.S.	116.64	116.64
10	3		RING GASKET R-24 316 S.S.	39.69	119.07
11	1		STUD/NUT L7 2H 7/8 (22.2mm) X 6 (152.4mm) LONG SET OF 8	34.86	34.86
EQUIPMENT TOTAL					\$5,404.09

Additional information: Contact **Corey Canniff @ 403-264-4146**

Authorized By: _____

For Vetco Gray

****Remanufactured wellhead equipment carries full warranty and is subject to prior sale**

All deliveries are from receipt of order and subject to prior sale

No product may be returned for credit without the written consent of an authorized VGC employee.

Quotation 10-16881 Rev 0					
Item	Qty	Part No	Description	Unit Price	Total

Product returned more than 30 days after shipment date is subject to a 15% restocking charge.

Products purchased from other O.E.Ms is subject to their actual restocking charge.

Equipment returned for credit that requires disassembly is subject to a tear down charge

Credit will not be issues on assembly, test and paint.

Product returned requiring clean-up is subject to shop charge.

Expendable items such as nipples, ring gaskets and boltings that are part of assemblies are subject to 100% restocking charge.

Components requiring special coating for injection wells will be subject to a 15% restocking charge.

Products manufactured to a PSL-3 is subject to a 15% restocking charge.

Specialty equipment (considered to be a non-stocking item) is subject to a 100% restocking charge.

Fuel or steel surcharge, if applicable will be added to invoice amount.

**VETCO GRAY CANADA INC.
STANDARD TERMS AND CONDITIONS**

1. Acceptance

1.1 Acceptance of any offer to sell by VGC is limited to Purchaser completely and exclusively accepting all terms and conditions hereof ("Terms"). The acknowledgment Sales Agreement constitutes the entire agreement between the parties and takes precedence over any and all previous verbal or written arrangements in connection with this Agreement. Any deletions, modifications, alterations of or additions to the Terms, to be binding, shall be in writing and signed by an authorized representative of VGC and the Purchaser. Without limiting the foregoing, it is expressly acknowledged that any Purchaser document received is for order identification convenience only. Any and all provisions on the face or reverse side of any purchase order which Purchaser may send to VGC in connection herewith are expressly objected to by VGC and waived by Purchaser and made inapplicable to any such purchase, unless both parties expressly agree in writing to include any such terms and conditions in this Agreement.

1.2 Purchaser's acceptance is hereby expressly limited to the Terms, and acceptance of any part of the products covered hereunder shall be deemed to constitute such acceptance. (If the order constitutes an acceptance of an offer, such acceptance is expressly made conditional on Purchaser's assent to the Terms and any additional or different terms contained herein, and acceptance of any part of the products covered shall be deemed to constitute such assent.) VGC may provide the products from its affiliated company, in which event these Terms will apply. Purchaser may not assign this Agreement without the prior written consent.

1.3 For any item of VGC equipment leased to Purchaser, VGC's standard terms and conditions of equipment lease shall apply.

2. Limited Warranties

VGC hereby warrants that all products manufactured by VGC are free of defects of material and workmanship for a period of twelve (12) months from the date shipped, providing that the products are used in the service specified and are properly installed, used and maintained and not altered after initial delivery, corrosion and erosion and normal wear and tear excepted. Purchaser shall give written notice to VGC of any defects within thirty (30) days of their discovery by Purchaser, within said twelve (12) month period, with a report detailing failure and defects. VGC reserves the right to require prepaid return of the allegedly defective product to establish a warranty claim. VGC will, at its option, repair any product found defective during the warranty period without charge, replace the product F.O.B. manufacturing facility, or refund the purchase price paid for the products upon return to VGC. VGC shall not be responsible for retrieving or removing defective items (whether manufactured by VGC or not), or any part thereof, or for reinstalling the same when repaired or replaced, or for any cost incurred in connection with such retrieval, removal or reinstallation. In the case of items or parts not wholly of VGC's manufacture, but supplied by VGC, VGC's liability shall be limited to the warranty of the manufacturer of the items or parts. VGC will not be responsible for repairs made by other than VGC without prior written consent. This warranty is EXCLUSIVE AND, EXCEPT AS STATED HEREIN, VGC MAKES NO EXPRESS OR IMPLIED WARRANTIES AS TO ANY MATTER WHATSOEVER, INCLUDING, WITHOUT LIMITATION, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE, WHICH EXCEED THE FOREGOING WARRANTY. PURCHASER'S SOLE REMEDY AND VGC'S SOLE OBLIGATION ARISING OUT OF OR IN CONNECTION WITH DEFECTS IN MATERIALS, WORKMANSHIP OR SERVICES, WHICH ARE BASED ON WARRANTY, CONTRACT NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE THOSE STATED IN THIS SECTION. The Purchaser acknowledges that any affirmation of fact or promise made by VGC shall not be deemed to create an express warranty, that Purchaser is not relying on VGC's skill or judgment in selecting or furnishing a system suitable for any particular purpose, and there are no warranties which extend beyond the description on the face hereof.

3. Liability

VGC is not an insurer and insurance, if any, shall be obtained by the Purchaser. The Purchaser acknowledges that it is impracticable and extremely difficult to affix the actual damages, if any, which may proximately result from failure on the part of VGC to perform any of the obligations contained herein, or the failure of the product to operate properly, with resulting loss to the Purchaser, and that the price is established on use of these Terms. The Purchaser agrees that if VGC should be found liable for loss or damage due to a failure of service or equipment in any respect whatsoever, VGC's liability, whether based on breach of warranty, breach of contract, tort, strict liability or otherwise, shall be limited to its warranty obligation, but in no event shall exceed the purchase price paid. In the event that those products or parts which are defective in either material or workmanship are not wholly of VGC's manufacture, VGC's liability shall be limited exclusively to the extent of VGC's recovery from the manufacturer of such products or parts. The replacement cost or VGC's recovery from the manufacturer, as the case may be, shall be the exclusive obligation and liability of VGC and the sole remedy of Purchaser. Further, the provisions of this section shall apply if loss or damage, in whole or in part, is caused by or indirectly to persons or property, from performance or nonperformance of the obligations imposed by this Agreement or from negligence, active or otherwise, of VGC, its agents, assigns or employees. In no event shall VGC be liable for damages arising from delays, loss of use or of profits or for other incidental or consequential damages of any kind, including, by way of example and not of limitation, pollution, hydrocarbon spillage or discharge, blowout, seepage, damage to underground reservoirs or any uncontrolled flow of hydrocarbons or other substances.

4. Subrogation

The Purchaser hereby releases, discharges and agrees to hold VGC harmless from any and all claims, liabilities, damages, losses or expenses arising from or caused by any hazard covered by insurance, whether said claim is made by Purchaser, its agents and insurance company, or by any other parties claiming under or through Purchaser. Purchaser agrees to indemnify VGC against, defend and hold VGC harmless from any liability, loss or damage, including costs or attorney's fees which VGC may incur as a result of any action or subrogation which may be brought against VGC by an insurer or insurance company, or its agents or

5. Price and Payment

5.1 All products are priced in U.S. dollars, unless otherwise stated, and will be invoiced upon shipment. Net payment is due within thirty (30) days after invoice date. Interest charges at eighteen percent (18%) per annum (or at maximum lawful rate) will be applicable to delinquent accounts unpaid after due date. Prices quoted are subject to change without notice if not accepted within thirty (30) days, unless specifically stated.

5.2 Unless otherwise quoted, Purchaser will pay, in addition to the purchase price of the products, all charges for export packing and processing, insurance and transportation, and the price of products does not include personnel or equipment required to install the products.

6. Transportation

Unless otherwise specified in VGC's sales quotation, transportation charges, including transportation documents and contracts with carriers, shall be based upon the point of manufacture and shall be paid by Purchaser. All taxes, surcharges, customs duties, consular fees, assessments imposed by any governmental authority, insurance charges and other applicable charges, shall be borne by the Purchaser. Title to and risk of loss for goods sold shall pass to the Purchaser ex works (INCOTERMS), point of manufacture warehouse, unless otherwise specifically agreed to by VGC in writing.

7. Delivery

Purchaser acknowledges that delivery dates, while given as accurately as conditions permit, are tentative only and, while every effort will be made to make deliveries as scheduled, VGC assumes no liability whatsoever for damages arising out of the failure to deliver the goods described herein on the dates stated. Delay in delivery shall not give Purchaser the right to cancel order. Delivery dates may be changed at VGC's

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8.1 Purchaser's orders, once placed and accepted, may be canceled only with VGC's written consent and upon terms which will save VGC from loss. No products may be returned for credit, warranty claim or adjustment without the written consent of authorized VGC employees.

8.2 VGC may, but is not obligated to, accept a written request by Purchaser to delay shipment of the products. If rescheduling is accepted by VGC, Purchaser shall pay any additional costs incurred by the delay and the price for the balance of the order shall be adjusted to reflect prices and costs in effect at time of actual shipment.

9. Taxes, Licenses or Other Charges

9.1 All taxes or other charges imposed by law on the sale or production of goods or the performance of services under this Agreement, including, but not limited to, those from all governmental authorities, as well as all foreign taxes, surcharges, duties, assessments or charges, if any, shall be borne by the Purchaser, unless the law specifically provides that such payment must be borne by VGC. Purchaser shall pay for and hold VGC harmless from all such governmental charges.

9.2 Purchaser shall, at its own expense, obtain all licenses, permissions or authorizations to use, purchase, export or import the products, as may be required by any governmental authority.

10. Services

Upon the request of the Purchaser, VGC will provide appropriate services and/or technical information, as available, regarding the products and their uses, and will use reasonable efforts to provide personnel to assist the Purchaser in effecting field installations. The Purchaser acknowledges that any such information, service or assistance so provided, whether with or without charge, shall be in an advisory capacity only. The Purchaser further agrees that VGC assumes no liability for any damage or loss at any location arising out of, resulting from or caused, in whole or in part, by any information, service, advice or assistance provided by VGC, its agents, assigns, employees or subcontractors.

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11.1 When obligated to do so in the specifications, VGC shall attempt to pack and prepare all shipments in such a manner as to prevent breakage, rust or deterioration in transit. VGC does not, however, guarantee against such damage and the risk of any damage to the products in transit shall be borne by the Purchaser at all times.

11.2 Unless requested by the Purchaser and agreed to in writing by VGC, no shipments are insured by VGC against damage or loss in transit and VGC assumes no liability whatsoever in regard to the obtaining of such insurance.

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VGC hereby reserves the right to change or modify the specification and construction of any of its products without incurring any obligation to furnish or install such changes or modifications on products previously or subsequently sold.

13. Patent Warranties

The Purchaser acknowledges that VGC does not warrant that any of the materials, equipment or apparatus sold by it, if used or sold in combination with any other equipment, or used in Purchaser's methods or processes, will not, by virtue of such combination or use, infringe patents of others, and VGC shall not be liable for any patent infringement arising from or by reason of any such use or sale. On any item sold by VGC, but specified or designed and/or manufactured by others, VGC shall endeavor, for protection of Purchaser, to obtain the most advantageous patent guarantee, which shall run directly to Purchaser, with VGC's liability limited to rendering to Purchaser reasonable assistance in enforcing such guarantees. Further, VGC shall not be liable for the use or sale of any material, equipment or apparatus specially made, in whole or in part, to the Purchaser's design specifications and, in such instances, all patent liabilities shall be borne by the Purchaser. If an injunction is issued enjoining use of products designed by VGC, VGC, at its own expense, shall either procure for Purchaser the right to continue to use such products, design and specify non-infringing products, or design and specify modifications so that the product becomes non-infringing, as VGC's sole and limit.

14. Shortages

Subject to Paragraphs 6.1, 11.1 and 11.2, all claims regarding shortages in any shipment must be made within thirty (30) days from the receipt of such shipment, and must be accompanied by the packing list or lists covering the shipment.

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The procurement of consular fees for legalizing invoices, stamping Bills of Lading or other such documents and declarations required by the law of any country or destination, are not included in quotations or selling prices. Although it is not VGC's policy to make such arrangements, if instructed by the Purchaser and agreed to in writing by VGC, VGC will make arrangements for any consular documents and declarations needed, as agents of the Purchaser. VGC assumes no liability whatsoever as a result of making such arrangements and all costs and liability shall be borne by the Purchaser.

16. Force Majeure

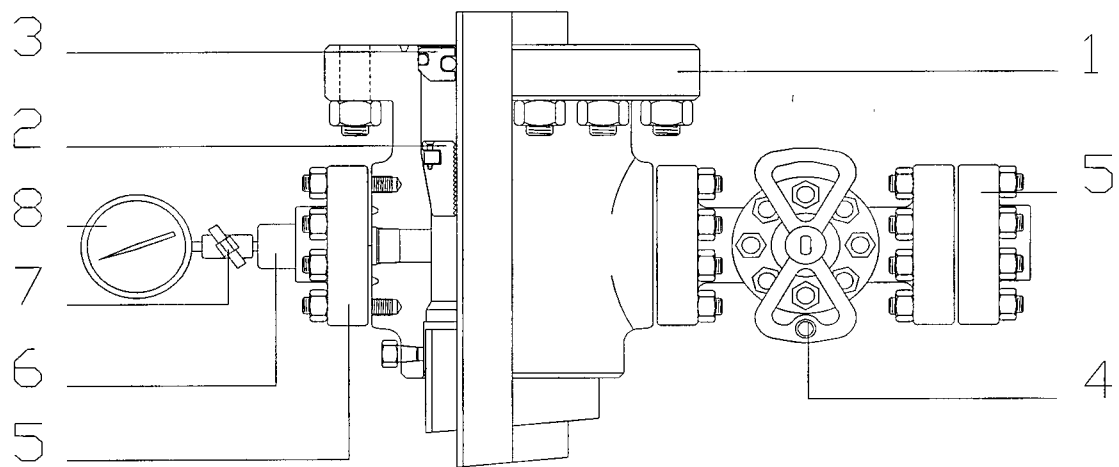
If the Purchaser or VGC is prevented, directly or indirectly, from carrying out the provisions of this Agreement by reason of any act of God, war, revolution, blockade, strike, riot, earthquake, cyclone or flood, or delay by carrier, fuel shortage, embargo, lockout or other labor disturbance, actual or potential, the operation of laws, interference of civil or military authority, or other cause, existing or future, beyond the reasonable control of the party affected, interfering with production or receipt of goods as herein contemplated, the party so prevented or interfered with shall be excused from making or taking deliveries to the extent of such prevention or interference, excluding the obligation to pay monies owed, provided prompt written notice is given to the other party.

17. Governing Law

17.1 The validity, interpretation and performance of this Agreement with respect to goods delivered or to be delivered under this Agreement shall be governed by the laws of the Canada and the Province of Alberta and any dispute arising hereunder shall be referred to the courts of the Province of Alberta or, at VGC's sole discretion, to the courts where the Purchaser's business is situated.

17.2 The invalidity, in whole or in part, of the Terms, or any provision or any part thereof, shall not affect the validity or enforceability of any other terms or provisions.

17.3 The right of VGC to require strict performance of the Terms shall not be affected by any prior waiver or course of dealing.



**GE Oil & Gas**

710, 530 - 8th Ave S.W. Calgary, Alberta T2P 3S8
Phone: (403) 264-4146 Fax (403) 269-4224
Toll Free: 1-800-925-6024

Quotation**10-16880**

Rev

0

Date: February 26, 2010
Sold To: **Paramount Resources**
Attention: Mr. Dick Heenan
Reference: Cameron Hills
Currency: CAD
Payment Terms: Net 30 days
Delivery: Stock as Required
x F.O.B. Point: Edmonton
F.C.A. Point
Quotation Validity: 45 days
Account Representative: Al Stratulate

Quotation 10-16880 Rev 0

<u>Item</u>	<u>Qty</u>	<u>Part No</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
			EQUIPMENT QUOTED HEREIN ARE BASED ON:		
			MATERIAL CLASS: DD-NL TEMPERATURE RATING: LY PSL 1, PR 1 UNLESS OTHERWISE NOTED		
1	1		TUBING HEAD ASSEMBLY, VGOF-GRF, 9 3000 (228.6mm20.7MPa) X 7-1/16 3000 (179.4mm20.7MPa), C/W (2) 2-1/16 5000 (52.4mm34.5MPa) SSO W/ 1.900 (48.3mm) VRT, API 6A 19TH ED., TC L-U, MC AA, PR-1, PSL-1	2280.15	2280.15
2	1		SECONDARY SEAL ASSEMBLY, GRF, 9 (228.6mm) X 5-1/2 (139.7mm), API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	244.62	244.62
3	1		TUBING HANGER ASSEMBLY, XP-1, 7-1/16 (179.4mm) NOM. X 2-7/8 (73.0mm) EUE BOX X BOX C/ EXTENDED NECK & 2-1/2 (63.5mm) HBPV, API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	761.40	761.40
4	1		TUBING HEAD ADAPTER BONNET, XP-1, 7-1/16 3000 (179.4mm20.7MPa) X 2-9/16 5000 (65.1mm34.5MPa) SSU, C/W SEAL POCKET & TEST PORT, API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	1312.20	1312.20
5	2		GATE VALVE ASSY, VGC, 2-9/16 5000 (65.1mm 34.5MPa) FLANGED, FULL PORT. API 6A 19TH ED PSL-1, PR-1 TC L-U, MC DD	2,689.28	5378.56
6	1		STUDDDED TEE, 2-9/16 5000 (65.1mm34.5MPa) RISE X 2- 1/16 5000 (52.4mm34.5MPa) RUN, API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	1211.76	1211.76

Quotation 10-16880 Rev 0					
Item	Qty	Part No	Description	Unit Price	Total
7	1		B.H.T.A., 2-9/16 5000 (65.1mm34.5MPa), C/W TOP CAP ASSEMBLY W/ 1/2" NPT TAP, API 6A 19TH ED., TC L-U, MC DD, PR-1, PSL-1	822.15	822.15
8	3		GATE VALVE ASSY, VGC, 2-1/16 5000 (52mm 34.5MPa) FLANGED, FULL PORT. API 6A 19TH ED PSL-1, PR-1 TC L-U, MC DD	2020.75	6062.25
9	3		COMPANION FLANGE, 2-1/16 5000 (52mm 34.5MPa) X 2 (50mm) LP API 6A 19TH ED PSL-1, PR-1, TC L-U, MC DD	107.73	323.19
10	3		BULL PLUG XXH 2 (50mm) LP X 1/2 (12.7mm) NPT TAPPED	26.73	80.19
11	4		FORGED STEEL PIPE PLUG 1/2 (12.7mm) NPT	4.46	17.84
12	2		NEEDLE VALVE 1/2 (12.7mm) NPT MXF STRAIGHT 316 S.S. 10000 WP	109.35	218.70
13	2		PRESSURE GAUGE 0 - 3000 (20.7MPa) CW 4 (101.6mm) DIAL 1/2 (12.7mm) NPT BTM NACE	75.33	150.66
14	1		RING GASKET R-49 316 S.S.	116.64	116.64
15	1		RING GASKET R-45 316 S.S.	84.24	84.24
16	4		RING GASKET R-27 316 S.S.	48.60	194.40
17	6		RING GASKET R-24 316 S.S.	39.69	238.14
18	1		STUD/NUT L7/2H 1-3/8 (38.1mm) X 9-1/2 (241.3mm) LONG SET OF 12	196.83	196.83
19	1		STUD/NUT L7/2H 1-1/8 (28.6mm) X 8 (203.2mm) LONG SET OF 12	107.73	107.73
20	1		STUD/NUT L7/2H 1 (25.4mm) X 7 (177.8mm) LONG SET OF 8	53.64	53.64
21	5		STUD/NUT L7/2H 7/8 (22.2mm) X 6 (152.4mm) LONG SET OF 8	34.86	174.30
22	1		CASING VENT ASSEMBLY, 2 (50.8mm) X 2000 (13.8MPa)	192.78	192.78
23	5		LABOUR CHARGE/HR TO ASSEMBLE TEST AND PAINT	60.00	300.00
EQUIPMENT TOTAL					\$20,522.37

Additional information: Contact Corey Canniff @ 403-264-4146

Authorized By:

For Vetco Gray

Quotation 10-16880 Rev 0					
Item	Qty	Part No	Description	Unit Price	Total

****Remanufactured wellhead equipment carries full warranty and is subject to prior sale**

All deliveries are from receipt of order and subject to prior sale

No product may be returned for credit without the written consent of an authorized VGC employee.

Product returned more than 30 days after shipment date is subject to a 15% restocking charge.

Products purchased from other O.E.Ms is subject to their actual restocking charge.

Equipment returned for credit that requires disassembly is subject to a tear down charge

Credit will not be issues on assembly, test and paint.

Product returned requiring clean-up is subject to shop charge.

Expendable items such as nipples, ring gaskets and bootings that are part or assemblies are subject to 100% restocking charge.

Components requiring special coating for injection wells will be subject to a 15% restocking charge.

Products manufactured to a PSL-3 is subject to a 15% restocking charge.

Specialty equipment (considered to be a non-stocking item) is subject to a 100% restocking charge.

Fuel or steel surcharge, if applicable will be added to invoice amount.

**VETCO GRAY CANADA INC.
STANDARD TERMS AND CONDITIONS**

1. Acceptance

1.1 Acceptance of any offer to sell by VGC is limited to Purchaser completely and exclusively accepting all terms and conditions hereof ("Terms"). The acknowledgment Sales Agreement constitutes the entire agreement between the parties and takes precedence over any and all previous verbal or written arrangements in connection with this Agreement. Any deletions, modifications, alterations of or additions to the Terms, to be binding, shall be in writing and signed by an authorized representative of VGC and the Purchaser. Without limiting the foregoing, it is expressly acknowledged that any Purchaser document received is for order identification convenience only. Any and all provisions on the face or reverse side of any purchase order which Purchaser may send to VGC in connection herewith are expressly objected to by VGC and waived by Purchaser and made inapplicable to any such purchase, unless both parties expressly agree in writing to include any such terms and conditions in this Agreement.

1.2 Purchaser's acceptance is hereby expressly limited to the Terms, and acceptance of any part of the products covered hereunder shall be deemed to constitute such acceptance. (If this order constitutes an acceptance of an offer, such acceptance is expressly made conditional on Purchaser's assent to the Terms and any additional or different terms contained herein, and acceptance of any part of the products covered shall be deemed to constitute such assent.) VGC may provide the products from its affiliated company, in which event these Terms will apply. Purchaser may not assign this Agreement without the prior written consent.

1.3 For any item of VGC equipment leased to Purchaser, VGC's standard terms and conditions of equipment lease shall apply.

2. Limited Warranties

VGC hereby warrants that all products manufactured by VGC are free of defects of material and workmanship for a period of twelve (12) months from the date shipped, providing that the products are used in the service specified and are properly installed, used and maintained and not altered after initial delivery, corrosion and erosion and normal wear and tear excepted. Purchaser shall give written notice to VGC of any defects within thirty (30) days of their discovery by Purchaser, within said twelve (12) month period, with a report detailing failure and defects. VGC reserves the right to require prepaid return of the allegedly defective product to establish a warranty claim. VGC will, at its option, repair any product found defective during the warranty period without charge, replace the product F.O.B. manufacturing facility, or refund the purchase price paid for the products upon return to VGC. VGC shall not be responsible for retrieving or removing defective items (whether manufactured by VGC or not), or any part thereof, or for reinstalling the same when repaired or replaced, or for any cost incurred in connection with such retrieval, removal or reinstallation. In the case of items or parts not wholly of VGC's manufacture, but supplied by VGC, VGC's liability shall be limited to the warranty of the manufacture of the items or parts. VGC will not be responsible for repairs made by other than VGC without prior written consent. This warranty is EXCLUSIVE AND, EXCEPT AS STATED HEREIN, VGC MAKES NO EXPRESS OR IMPLIED WARRANTIES AS TO ANY MATTER WHATSOEVER, INCLUDING, WITHOUT LIMITATION, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE, WHICH EXCEEDS THE FOREGOING WARRANTY. PURCHASER'S SOLE REMEDY AND VGC'S SOLE OBLIGATION ARISING OUT OF OR IN CONNECTION WITH DEFECTS IN MATERIALS, WORKMANSHIP OR SERVICES, WHICH ARE BASED ON WARRANTY, CONTRACT NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE THOSE STATED IN THIS SECTION. The Purchaser acknowledges that any affirmation of fact or promise made by VGC shall not be deemed to create an express warranty, that Purchaser is not relying on VGC's skill or judgment in selecting or furnishing a system suitable for any particular purpose, and there are no warranties which extend beyond the description on the face hereof.

3. Liability

VGC is not an insurer and insurance, if any, shall be obtained by the Purchaser. The Purchaser acknowledges that it is impracticable and extremely difficult to affix the actual damages, if any, which may proximately result from a failure on the part of VGC to perform any of the obligations contained herein, or the failure of the product to operate properly, with resulting loss to the Purchaser, and that the price is established on use of these Terms. The Purchaser agrees that if VGC should be found liable for loss or damage due to a failure of service or equipment in any respect whatsoever, VGC's liability, whether based on breach of warranty, breach of contract, tort, strict liability or otherwise, shall be limited to its warranty obligation, but in no event shall exceed the purchase price paid. In the event that those products or parts which are defective in either material or workmanship are not wholly of VGC's manufacture, VGC's liability shall be limited exclusively to the extent of VGC's recovery from the manufacturer of such products or parts. The replacement cost or VGC's recovery from the manufacturer, as the case may be, shall be the exclusive obligation and liability of VGC and the sole remedy of Purchaser. Further, the provisions of this section shall apply if loss or damage, in whole or indirectly to persons or property, from performance or nonperformance of the obligations imposed by this Agreement or from negligence, active or otherwise, of VGC, its agents, assigns or employees. In no event shall VGC be liable for damages arising from delays, loss of use or of profits or for other incidental or consequential damages of any kind, including, by way of example and not of limitation, pollution, hydrocarbon spillage or discharge, blowout, seepage, damage to underground reservoirs or any uncontrolled flow of hydrocarbons or other substances.

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The Purchaser hereby releases, discharges and agrees to hold VGC harmless from any and all claims, liabilities, damages, losses or expenses arising from or caused by any hazard covered by insurance, whether said claim is made by Purchaser, its agents and insurance company, or by any other parties claiming under or through Purchaser. Purchaser agrees to indemnify VGC against, defend and hold VGC harmless from any liability, loss or damage, including costs or attorney's fees which VGC may incur as a result of any action or subrogation which may be brought against VGC by an insurer or insurance company, or its agents or

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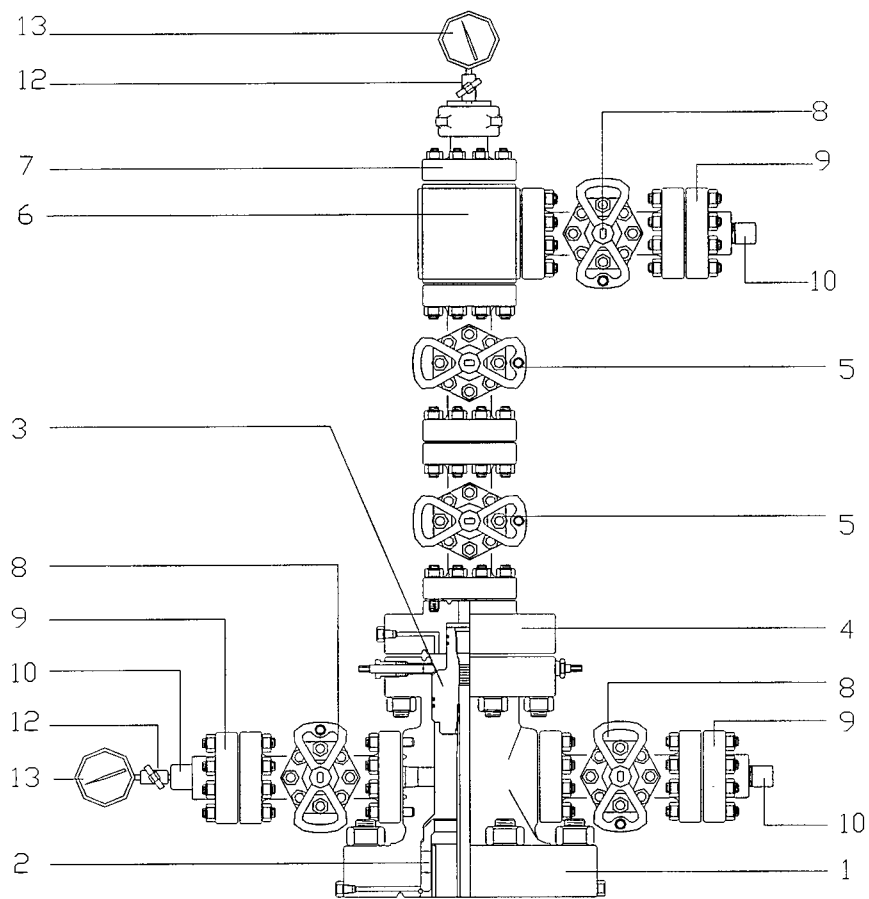
If the Purchaser or VGC is prevented, directly or indirectly, from carrying out the provisions of this Agreement by reason of any act of God, war, revolution, blockade, strike, riot, earthquake, cyclone or flood, or delay by carrier, fuel shortage, embargo, work-out or other labor disturbance, actual or potential, the operation of laws, interference of civil or military authority, or other cause, existing or future, beyond the reasonable control of the party affected, interfering with production or receipt of goods as herein contemplated, the party so prevented or interfered with shall be excused from making or taking deliveries to the extent of such prevention or interference, excluding the obligation to pay monies owed, provided prompt written notice is given to the other party.

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17.1 The validity, interpretation and performance of this Agreement with respect to goods delivered or to be delivered under this Agreement shall be governed by the laws of the Canada and the Province of Alberta and any dispute arising hereunder shall be referred to the courts of the Province of Alberta or, at VGC's sole discretion, to the courts where the Purchaser's business is situated.

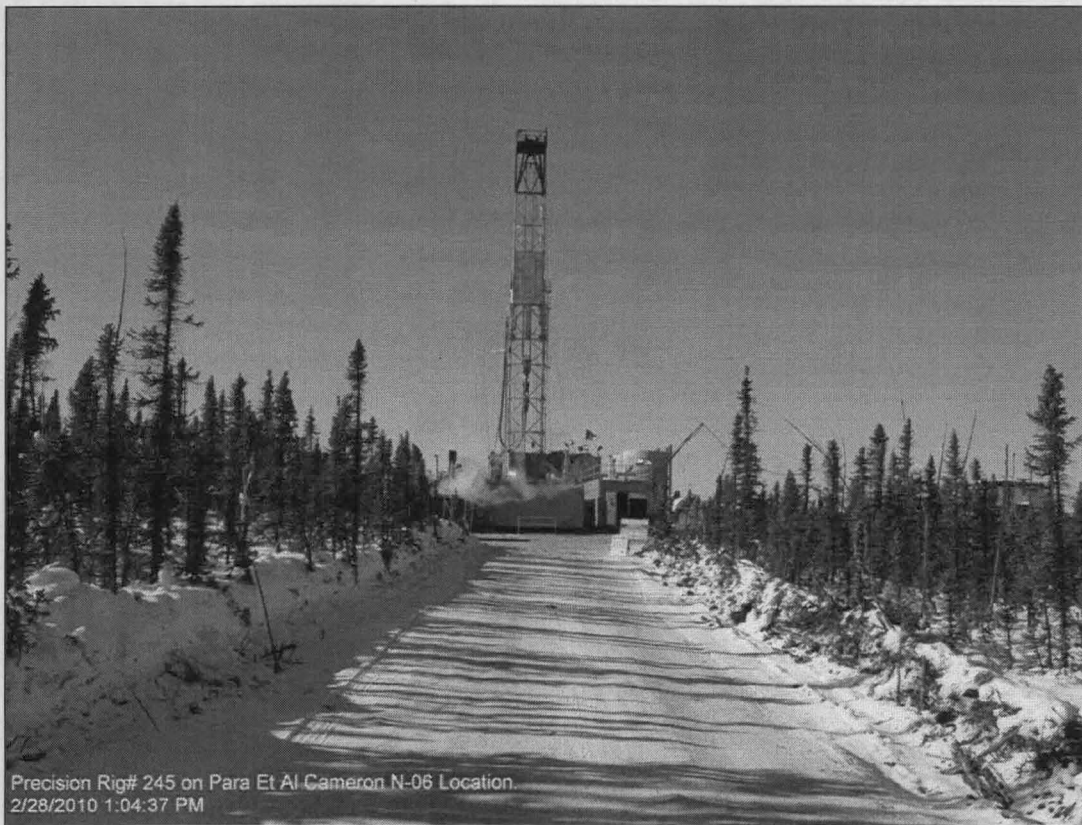
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17.3 The right of VGC to require strict performance of the Terms shall not be affected by any prior waiver or course of dealing.



WELL SUMMARY

OPERATOR	:	PARAMOUNT RESOURCES LTD. ✓
WELL NAME	:	PARA ET AL CAMERON N-06 ✓
UWI	:	300/N06-6010-117300 ✓
WELL LICENSE	:	1221
AFE	:	09NO10011
FIELD	:	Cameron Hills
SURFACE LOCATION	:	Unit: N Section: 06 Grid Area: 60° 10' N 117° 30' W
SURFACE COORDINATES	:	Latitude: 60° 05' 49.2"N Longitude: 117° 31' 13.5" W
DRILLING RIG	:	Precision Drilling Rig# 245
DRILLING CONTRACTOR	:	Precision Drilling.
WELL TYPE	:	Vertical Development Well
RKB - MSL	:	717.15m
MSL - GL	:	712.45m
SPUD DATE	:	February 19, 2010.
DATE TD REACHED	:	March 03, 2010.
DATE RIG RELEASED	:	March 05, 2010.
TD DEPTH	:	1450.0m RKB (-732.85m SS)
LOGGERS TD	:	1449.0m RKB
TD COORDINATES	:	Latitude: 60° 05' 49.2"N Longitude: 117° 31' 13.5" W
HOLE SIZE	:	311.0mm 377.0m RKB 200.0mm 1450.0m RKB.
SAMPLE INTERVALS	:	735m to 985m @ 5m Intervals 1 Set. 1225m – TD @ 5m Intervals 2 Sets. 1225m – TD Unwashed Spl 1 Set.
DRILLING FLUID	:	Surface Hole: Polymer Main Hole: Floc Water & Polymer.
WELL STATUS	:	Cased for Production Testing.
STRIKE AREA	:	South Great Slave Lake
REGION	:	NWT Mainland



Precision Rig# 245 on Para Et Al Cameron N-06 Location.
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Photo 1 : Precision Rig# 245 on Para Et Al Cameron N-06 Location.

WELL ABSTRACT

The **Para Et al Cameron N-06** well is located in Unit N, Section 6 and Grid 60° 10' 00" N and 117° 30' 00" W at the surface co-ordinates of 60° 05' 49.2" N and 117° 31' 13.5" W of Cameron Hills in the Northwest Territory.

The proposed **Cameron N-06** development well is a part of an extensive drilling program. The well is proposed to drill vertically as a new delineation well. Paramount Resources Ltd. retained the services of **Precision Drilling Rig# 245**.

The primary objective is to penetrate the prognosticated heavy hydrocarbon bearing zones in the limestone and dolomite sections of the **Sulphur Point** formation. The Secondary target is to investigate the prospective and possibilities of commercial hydrocarbon in the **Slave Point** Formation. In addition to the above objectives, the well are to validate the 3D seismic picking of the reservoirs, to specify the time to depth conversion with the seismic data and to learn more about the complex and typical reservoir characteristics of these formations in the **Cameron Hills**.

The well is spudded at 15:30hrs on the February 19, 2010. Drilling of 311mm hole from surface to 377m is completed using two rock bits in 34.75 on bottom bit hours. The spud mud is Polymer of 1045 kg/m³ and FV: 45 sec/l. Hole problem is encountered in the surface hole. Unloading of sand and gravel from 38m to 192m RKB made a precarious condition to maintain proper mud properties. Due to fill surface 219.1mm casing could not be run in to 377.0m. The shoe is set at 371.5m RKB and cemented with Sanjel as per program. Polymer mud is used for drilling the surface hole.

200mm main hole drilling is completed using one PDC and one tri-cone rock bits in 86.25 on bottom bit hours. TD of the well to 1450m RKB (-732.85m SS) is reached at 02:30 hrs of March 03, 2010. The hole deviation got to 3.00° against 1296m RKB. Control drilling is conducted till the main target formation **Sulphur Point** where the measured inclination is 2.50° against 1344.0m RKB. A tri-cone rock bit is picked up at 1413m RKB as average ROP dropped down to below 2 m/hr. 24.5m are drilled into the **Muskeg** formation. At TD section, the hole is circulated clean before POOH. A wiper trip is performed and a Hi-vis pill being pumped before POOH to run wireline logs with Weatherford. The open hole logging is completed in two runs. STI/SPeD/CNS/GR/MRT/HBC/DAC/CAL and SPeD/CNT/GR/MRT/DAC tools are run in the first and second runs respectively. The production casings 139.7mm are run in and shoe is set at 1450.0m RKB

The Geological target tops and bases of the well, hydrocarbon bearing zones and formations are encountered differed from that of prognosis depths. After comprehensive studies of ditch cuttings, gas shows and co-relation with offset wells the formation tops are identified and left unchanged even after posting the log curves in the Striplog. The **Watt Mountain** formation is identified at 1326.0m RKB (-608.85m SS) and 36m thick which is not seen in other wells of the Cameron Hills. Top of **Muskeg** remains questionable as it differs from the ROPs and ditch samples from that of log tops. The dolomite section of the **Sulphur Point** formation is 47m thick which is also not seen in any other offset wells. The geology section in the Strip Log gives a brief representation of the individual stratigraphic formations.

The **Slave Point** Formation is anticipated at 1274.0m RKB (-556.85m SS) and is 42.0m thick. Maximum 921/39 units and 441/39 units formation gases are noticed with positive natural sample fluorescence during drilling this formation.

From ditch cuttings, gas shows and from the quick look interpretation of electrical logs the **Slave Point** formation is little tight. The **Slave Point** looks to be very prominent from the porosity, gas shows and sample florescence showing better reservoir potentialities for commercial production.

The **Sulphur Point** limestone section is identified at 1362.0m RKB (-644.85m SS) and followed by the dolomite section at 1378.0m RKB (-660.85m SS). Maximum 455/34 units and 216/54 units formation gases are recorded in the limestone section and dolomite section respectively. Strong petroleum odor with oil shows noticed in the dolomite section.

The well is for cased for production testing with viable possibilities of commercial production from the **Slave Point** and the **Sulphur Point** formations. They both possess all the properties for commercial hydrocarbon production. Further evaluation and detail studies are proposed.

FORMATION TOPS

FORMATION	PROGNOSIS TOPS		SAMPLE/LOG TOPS		COMMENTS
MSL – RKB: 717.152m	m TVD	m SubSea	m TVD	m SubSea	m Isopach
Wabamun FM	484.15	233.00	485.00	232.15	173.00
Jean Marie Mbr	657.15	60.00	658.00	59.15	6.00
Fort Simpson Fm	663.15	54.00	664.00	53.15	104.00
Twin Falls Fm	775.15	-58.00	768.00	-50.68	159.00
Hay River Fm	936.15	-219.00	923.00	-205.85	327.00
Beaverhill Lake Fm	1264.15	-547.00	1250.00	-532.85	24.00
Slave Point Fm	1287.15	-570.00	1274.00	-556.85	42.00
F4 Marker Fm	1328.15	-611.00	1316.00	-598.85	10.00
Watt Mountain Fm	1336.15	-619.00	1326.00	-608.85	36.00
Sulphur Pt Ls Fm	1344.15	-627.00	1362.00	-644.85	16.00
Sulphur Pt Dol	1355.15	-638.00	1378.00	-660.85	47.00
Muskeg Fm	1369.15	-652.00	1425.00	-707.85	25.00
Total Depth	1392.15	-675.00	1450.00	-732.85	-

FORMATION EVALUATION

Slave Point Formation
Paleozoic, Middle Devonian
Age: 370 million years
Well: Para Et Al Cameron N-06

The **Middle Devonian, Slave Point Formation** consists of cream, dark brown, light yellowish brown and oil stained limestone interbedded occasionally with lenses of finely crystalline dolomites and intercalated with dark brownish grey shale fragments which possibly occur as thin lenses.

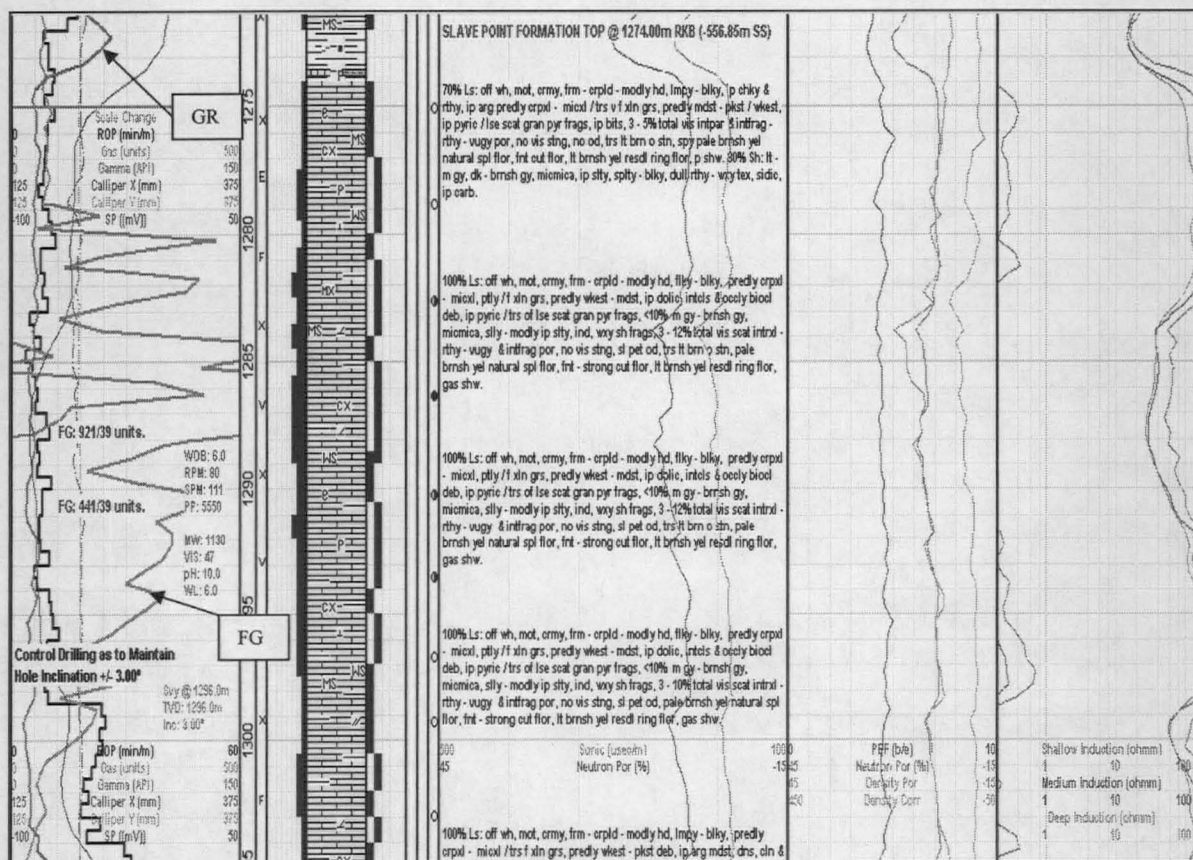


Figure 1: Striplog of the Slave Point Formation.

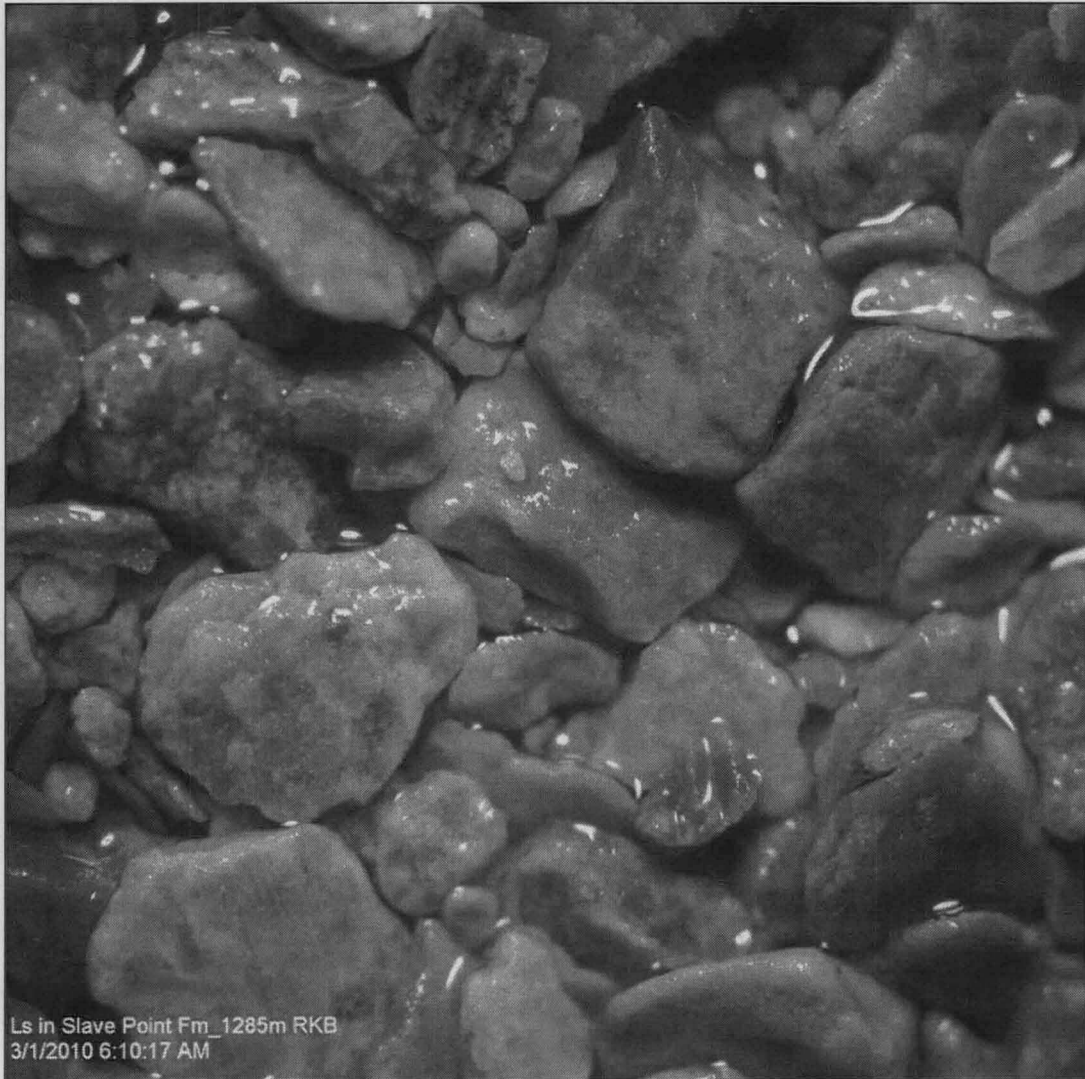


Photo 2: Ls in the Slave Point Fm_ 1285m RKB.

The **Slave Point** formation is picked up and identified at 1274.0m RKB (-556.85m SS). Change of ROP from 24m/hr to an average 18m/hr, from ditch cuttings typical light yellowish brown to dark brown limestone and anticipation of formation gas increase are the main criteria for identifying this formation. The Formation is overlain by the **Upper Devonian** cyclical limy shale beds argillaceous limestone and argillaceous micrities of **Beaverhill Lake** formation picked up at 1250.0m RKB (-532.85m SS), and conformably underlain by **Fort Vermilion** formation identified at 1316.0m RKB (-598.85m SS).

The **Slave Point** anticipated is 42m thick with its typical light yellowish brown to dark brown stains limestone, interbedded with thin shale laminae and often intercalated with thin lenses of fine crystalline dolomites. The top section from 1274.0m to 1280.0m RKB is tighter varying from 3 – 5% porosities and the middle section from 1280m to 1301m RKB is more porous varying from 4 - 12% total scattered visible porosities. Vuggy porosities are predominant with partial microfracture, pin point and intercrystalline porosities. In the upper section formation gas is not noticed. 921/39 units gas are recorded against 1286.0m RKB with positive florescence carrying possibilities of heavy hydrocarbon deposition. The porosity tightens with the increases of the depth and faded to almost 3% due to increase of chalky, earthy, dense argillaceous limestone.

The limestones encountered in the **Slave Point** are off white, mottled, creamy, light yellow with dark brown stain. They are crumpled to moderately hard and predominately blocky with some sub blocky grains. Smooth to gritty very sharp texture resembles to cryptocrystalline group. Partly microcrystalline with a few fine sucrose crystalline grains are noticed. They are predominately wackestone to packstone, intraclasts & occasionally bioclastic debris and partly calcarenite. They are partly earthy & argillaceous, rarely in part dolomitic, Traces of fine crystalline dolomite are commonly noticed all through the section with traces to maximum 10% greenish brown, dark grey shale fragments and siltstone stringers. The lower section is little anhydritic with presence of traces of loose granular anhydrite nodules.

Moderate to strong petroleum odor are noticed all through the section with spotty to patchy light brown natural sample fluorescence, slow faint cut, pale yellowish brown residual ring fluorescence, oil and gas shows. From 1280.0m to 1295.0m RKB possesses good reservoir properties with maximum 14% total scattered visible vuggy, intracrystalline, pin point and micro-fracture porosities.

From the ditch cuttings properties, gas and florescence shows and quick look interpretation of electrical logs the **Slave Point** Formation in the **Cameron N-06** well looks to be very much prospective. Commercial production is possible from this zone. Further studies are recommended.

FORMATION EVALUATION

Sulphur Point Formation

Middle Paleozoic, Devonian

Age: 370 million years

Well: Para Et Al Cameron N-06

The **Paleozoic, Middle Devonian, Sulphur Point** formation conformably separates the overlying from greenish shale of the **Watt Mountain** formation identified at 1326.0m RKB (-608.85m SS) from the underlying anhydritic dolomite and massive, dense anhydrite deposit of the **Muskeg** formations encountered at 1425.5m (-708.35m SS).

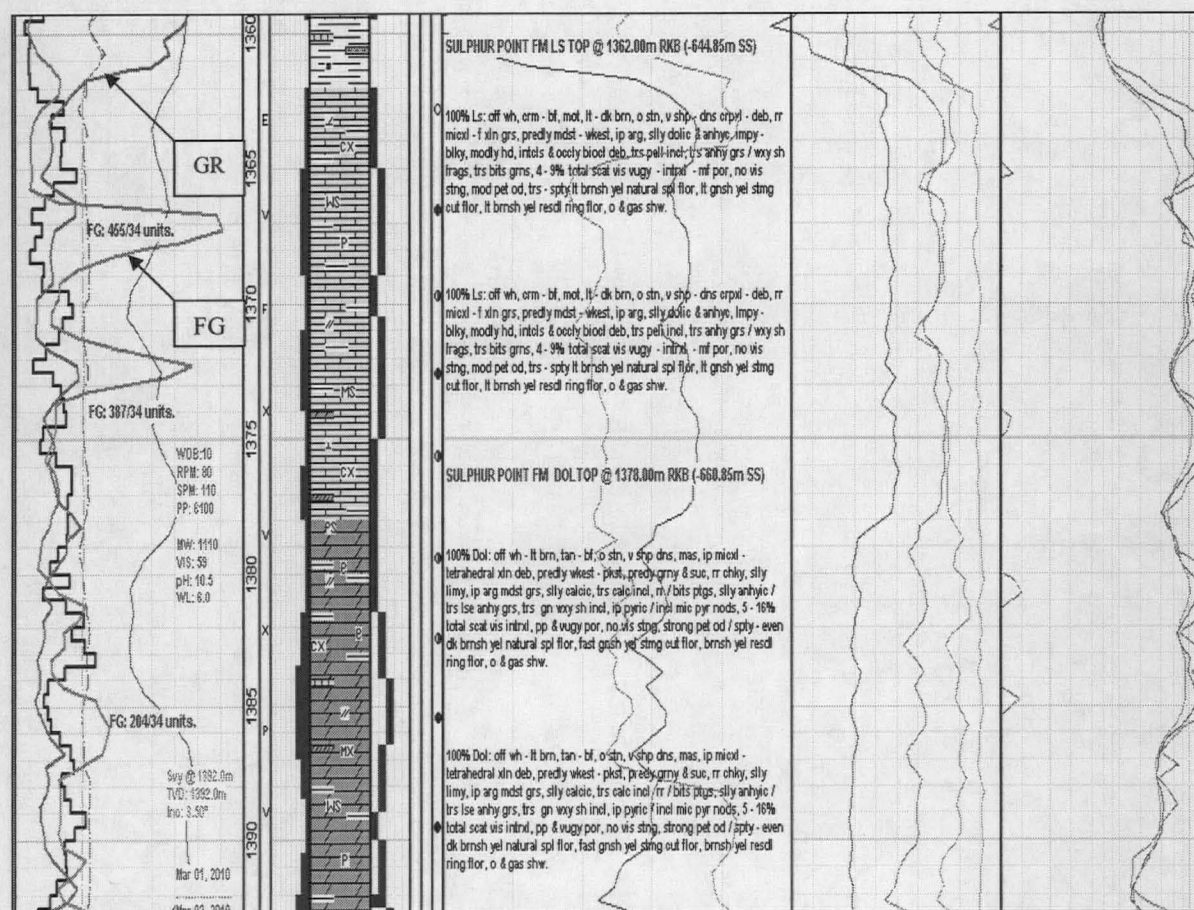


Figure 2: Striplog of the Sulphur Point Formation.



Photo 3: Ls in the Sulphur Point Fm_1367.5m RKB.

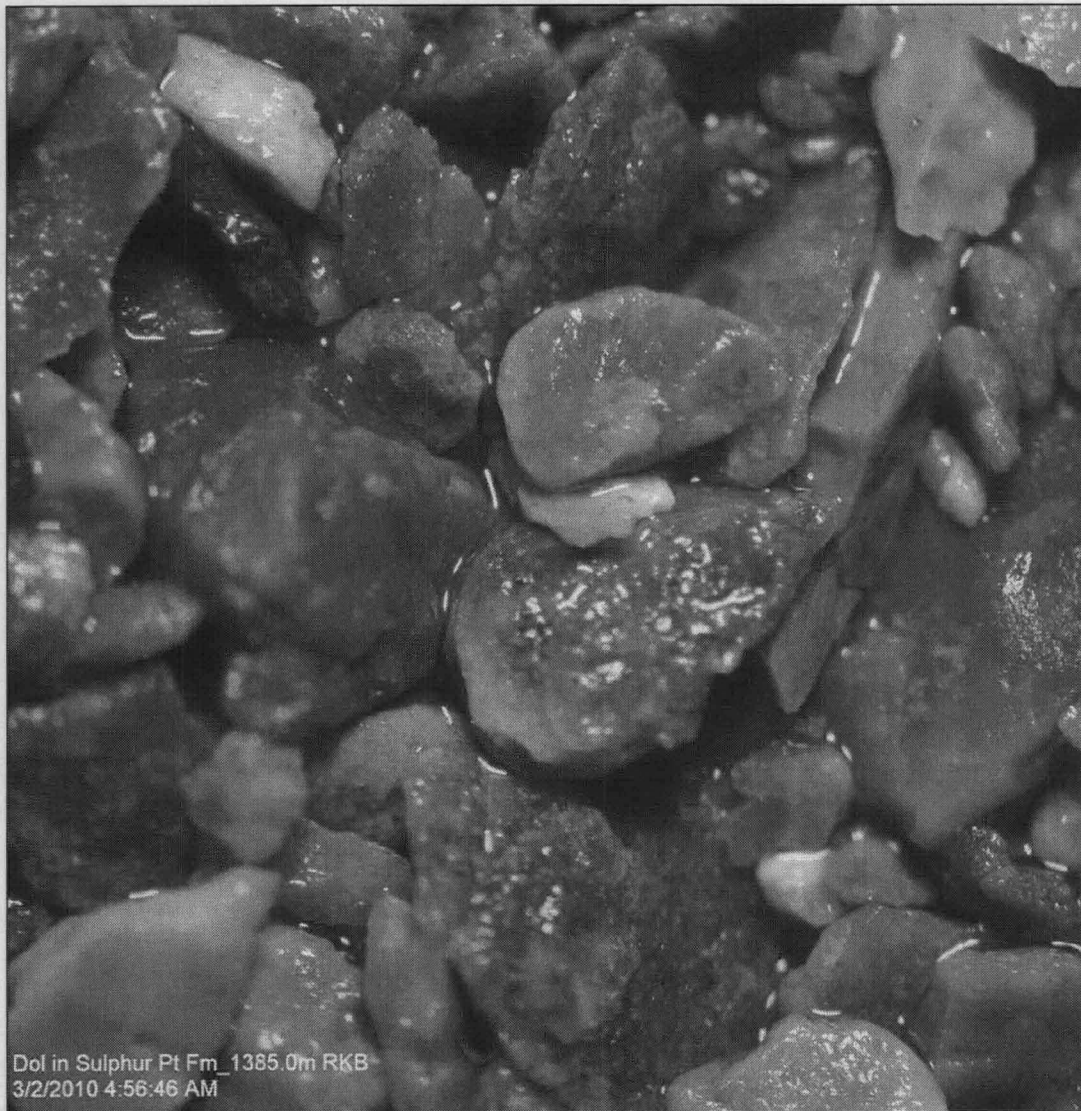


Photo 4: Dol in the Sulphur Point Fm_1385.0m RKB.

The limestone section of the **Sulphur Point** formation is picked up with the end of greenish waxy shaley deposit of the **Watt Mountain** formation. This section is identified from the ROPs, which are comparatively slower and change in drill cutting properties. The formation encountered at 1362.0m RKB (-644.85m SS). Co-relation with the offset wells is the other criteria for identifying this formation. The limestone section is 16m thick.

The limestones are off white, cream to buff, mottled, color with dark brownish stain. They are generally very sharp to dense cryptocrystalline with some microcrystalline to crystalline debris and crumple to moderately hard, lumpy to blocky. Predominately they are wackestone to packstone texture. They are slightly dolomitic, intraclasts & occasionally bioclastic debris, traces pelletoidal inclusion. They are chalky in parts, slightly earthy and slightly argillaceous. Traces to maximum 10%, greenish to greenish brown waxy shale fragments are anticipated in the limestone section. These shale grains possibly intercalated as thin laminae.

Slight to moderate petroleum odor with scattered to spotty brownish yellow oil staining natural sample fluorescence are noticed. Traces to spotty light brown oil show are noticed in the lower section, light brownish yellow natural sample fluorescence; light greenish yellow streaming cut fluorescence, light brownish yellow residual ring fluorescence, poor shows. Total scattered vuggy, intercrystalline and microfracture porosities varies between 4 – 9%. 455/34 units and 387/34 units formation gases are recorded against 1367m and 1372m RKB respectively.

The dolomitized part of the **Sulphur Point** formation is separated from the overlying of limestone section and underlying **Muskeg** formation. Presence of dolomite is the main criteria of identifying this section. While drilling the ROP are little slower and varied between 7.0 min/m to 15.0min/m than in the upper limestone section where ROP varied between 5.6min/m to 9.5min/m. A little faster ROP are noticed in the fine crystalline sucrose porous section. The Dolomite section of the **Sulphur Point** formation is encountered at 1378.0m RKB (-660.85m SS). The section is 47m thick overlying on the cyclic deposition of anhydrite and anhydritic dolomites of the **Muskeg** formation.

In the top section the dolomites are coarsely crystalline and in general they are of off white, cream to tan, buff, light brown, oil stained. They are predominately very sharp dense, massive, in part microcrystalline to tetrahedral crystalline debris, with abundant of cryptocrystalline grains, in part sucrosic. Usually they are crumpled to moderately hard, lumpy to blocky, smooth to gritty, dense and massive. They are partly earthy & chalky and slightly argillaceous. They predominately wackestone & packstone texture intercalated with some ratty, earthy grains. Traces of fine crystalline limestone with anhydrite grains are also noticed in this interval which possibly intercalated as thin laminae or lenses. Thin waxy green shale grains are common. Maximum 216/54 units formation gas is

recorded in this section. Total scattered intracrystalline, pin point, micro fracture and vuggy visible porosities vary between 4 to 14%.

Very strong to strong petroleum odor with spotty to even dark brownish oil stain, natural sample fluorescence, fast greenish yellow streaming cut fluorescence, brownish yellow residual ring fluorescence, oil & gas shows lead to all possibilities and properties of a good reservoir and presence of oil & gas deposition.

The upper **Sulphur Point** limestone section is little tight. The dolomite section possesses all the potentiality and characteristics of a good commercial hydrocarbon reservoir and seems to be commercially productive. The well is cased for commercial production testing. Further detail studies and evaluations of the **Sulphur Point** formation are proposed.

DAILY DRILLING SUMMARY

(Morning Report @ 07:00 Hrs)

February 18, 2010	Midnight Depth: 00m
Wait on License. Drilling of Pilot, Mouse and Rat Holes. Rig up of derrick and third party equipments continued.	

February 19, 2010	Midnight Depth: 43m
Rig up of derrick and third party equipments continued. Weld false conductor to flange. Install diverter line and test the same. Preparatory jobs are being done prior to spud the well.	

February 20, 2010	Midnight Depth: 302m
Preparatory jobs are being done prior to spud the well. P/U Bit# 1, 311mm, Varel, HEO4JMRSV, Sr. No. 2536358 and 14.3x4 jets on a stiff drilling assembly. Pre-spud safety meeting. Spud the well at 15:30hrs. Spud mud is Polymer of 1040 kg/m3, FV: 45 sec/l and pH; 8.5. Tag cement @ 25m. Drilling of surface hole from 27m to 102m. Conduct surveys. Continue drilling.	

February 21, 2010	Midnight Depth: 362m
Continue drilling of 311mm surface hole from 102m to 362m. Conduct surveys.	

February 22, 2010	Midnight Depth: 362m
Circulation and mud conditioning. Strap out of hole. P/U a new 311mm, Varel, tri-cone, HEO4JMRSV Bit# 2A, Sr. No. 254823, 14.3x4 jets and RIH. Tight hole encountered at 41m. Reaming the tight spots through sand and gravel from 41m to 93m. Reaming continued.	

February 23, 2010	Midnight Depth: 377m
Reaming continued to 117m. POOH. P/U a reamer on a stiff drilling assembly. RIH. Ream down to from 82m to bottom cleaning the tight spots. Resume drilling 311mm hole drill down to 377m RKB – TD of the surface hole. Conduct a short trip of 5 DPs. Circulation and mud conditioning to 1100 kg/m ³ , FV: 51 sec/l, pH: 8.0. Conduct wiper trip to surface. Circulation and mud conditioning to 1080 kg/m ³ , FV: 53 sec/l and pH: 8.0. POOH.	
February 24, 2010	Midnight Depth: 377m
POOH. Encounter tight hole at 119m. P/U Kelly and reamed off tight spots. POOH. Lay down reamer and RIH with hole cleaning assembly. RIH to TD while cleaning off the tight spots. Circulation and mud conditioning to 1120 kg/m ³ , FV: 60 sec/l and pH: 8.0. POOH. RIH 219.1mm, 35.7 kg/m, J-55, ST & C surface casings. Mud conditioning through the casing string. Conduct cement job with Sanjel. WOC.	
February 25, 2010	Midnight Depth: 486m
WOC. Cut, dress and weld casing to Casing Head. Nipple up BOP stack and diverter line. Pressure test of BOPs and surface equipments continued.	
February 26, 2010	Midnight Depth: 798m
Pressure test of BOPs and surface equipments. Pick up a new 200mm, PDC, Varel, VT0513HX, Sr. No. 4000287, 10.3x7 jets Bit# 3 on a stiff drilling assembly. Tag cement at 352m RKB. Drill out cement, float valve and shoe. Drilling of 200mm main hole from 377m to 565m. Conduct surveys. Drilling with Floc Water of 1020 kg/m ³ and FV: 29 sec/l.	
February 27, 2010	Midnight Depth: 1050m
Continue drilling of 200mm main hole from 565m to 875m. Conduct surveys. Drilling with Floc Water of 1010 kg/m ³ , FV: 29 sec/l and pH: 10.0.	
February 28, 2010	Midnight Depth: 1267m
Continue drilling of 200mm main hole from 875m to 1050m. Circulation and mud conditioning to 1090 kg/m ³ and FV: FV 42 sec/l. Conduct wiper trip to casings shoe with periodical flow check. Trip gas 163/39 units. Resume drilling and drill down to 1092m. Drilling continued.	

March 01, 2010	Midnight Depth:1369m
Continue drilling from 1092m to 1304m. Conduct surveys.	
March 02, 2010	Midnight Depth:1440m
Continue drilling from 1304m to 1413m. Conduct surveys. Circulation and mud conditioning prior to a bit trip to pick up a tri-cone bit.	
March 03, 2010	Midnight Depth:1450m
Circulation and mud conditioning. POOH. P/U Bit# 4RR1, 200mm, Varel, HE18MSV, Sr. No. 260656, 14.3x3 jets on the same BHA and RIH. Wash down last joint to bottom. Trip gas is 213/39 units. Resume drilling from 1413m to 1450m (732.85m SS) – TD of the well reached at 02:30 hrs. Circulation and mud conditioning to 1080 kg/m ³ , FV: 90 sec/l, pH: 10.5 and WL: 6.0 cm ³ . Wiper trip to 1100m. Mud conditioning at TD. POOH continued.	
March 04, 2010	Midnight Depth:1450m
POOH. Logging with Weatherford. Logging completed in two runs. Run# 1: STI/SPeD/CNT/GR/MRT/HBC/CAL/DAC and Run# 2: SPeD/CNT/GR/MRT/DAC tools are run in. RIH with hole cleaning assembly. Trip gas at TD is 188/39 units. POOH and lay down drill pipes by singles.	
March 05, 2010	Midnight Depth:1450m
POOH and lay down drill pipes by singles. Rig up casing tools and equipments. RIH of 139.7mm, Paragon, J-55, 20.83 kg/m, 127.30mm ID, 118 joints of 1451.26m length, ST & C production casings. Set the shoe at 1450m RKB. Circulation and mud conditioning through the casing string to 1080 kg/m ³ , FV: 45 sec/l, pH: 9.0 and WL: 8.0 cm ³ . Trip gas is 218/51 units. Conduct cement job with Sanjel. WOC. Nipple down BOP stack.	

SAMPLE DESCRIPTIONS

DRILLED SECTION FROM 27m – 1450.0m RKB

(Sampling Depth from 730m to 980m & 1225m to TD)

- 730-740 60% **Shale:** dark to blackish grey, greenish to brownish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part thinly laminated, indurated to well indurated, firm to moderately hard, in part hard, conchoidal to angular break, slightly sideritic, in part carbonaceous & fossiliferous.
40% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces microcrystalline debris, predominately mudstone with packstone texture, in part chalky & ratty, traces argillaceous mudstone, calcarenite, in part slightly dolomitic argillaceous, lumpy to subblocky, crumpled to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible vuggy with intracrystalline porosity, no shows, no cut fluorescence.
- 740-750 80% **Shale:** dark to blackish grey, greenish to brownish grey, partly micromicaceous, non calcareous, generally slightly to moderately silty, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part thinly laminated, indurated, firm to moderately hard, in part hard, conchoidal to angular break, slightly sideritic, partly carbonaceous, traces siltstone stringers inclusion.
20% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces microcrystalline debris, predominately mudstone with packstone texture, calcarenite, in part slightly dolomitic & argillaceous, in part chalky & ratty, lumpy to blocky, crumpled to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible vuggy with intracrystalline porosity, no shows, no cut fluorescence.
- 750-760 70% **Shale:** grey to blackish grey, brownish to greenish grey, partly micromicaceous, non calcareous, generally slightly to

moderately silty, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part thinly laminated, indurated, firm to moderately hard, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks, traces siltstone stringers.

30% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces microcrystalline debris, predominately mudstone with packstone texture, dense, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, lumpy to blocky, firm to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible vuggy with intracrystalline & pin point porosity, no shows, no cut fluorescence.

760-768

80% **Shale:** grey to blackish grey, brownish to greenish grey, partly micromicaceous, non to slightly calcareous, generally slightly to moderately silty, subblocky to blocky, subfissile to subplaty, in part thinly laminated, indurated, firm to moderately hard, in part hard, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks, traces inoceramus prism.

20% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces microcrystalline debris, predominately mudstone with packstone texture, dense, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, lumpy to blocky, firm to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible vuggy with intracrystalline & pin point porosity, no shows, no cut fluorescence.

TWIN FALLS FM TOP @ 768.00m RKB (-50.85m SS)

768-775

60% **Limestone:** off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, occasionally fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, traces argillaceous mudstone, dense & massive, calcarenite, clean to earthy, traces argillaceous mudstone & chalky debris, firm to friable to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, occasionally pyritic, >4% total visible interparticle & interfragmental porosity, no shows.

- 40% **Shale:** grey to brownish grey, greenish grey, micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks.
- 775-785 80% **Limestone:** off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, occasionally fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, traces argillaceous mudstone, dense & massive, calcarenite, clean to earthy, traces argillaceous mudstone & chalky debris, firm to friable to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, occasionally pyritic, >4% total visible interparticle & interfragmental porosity, no shows.
20% **Shale:** grey to brownish grey, greenish grey, micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks.
- 785-795 80% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces microcrystalline debris, occasionally fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, traces argillaceous mudstone, dense & massive, calcarenite, clean to earthy, traces argillaceous mudstone & chalky debris, firm to friable to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, occasionally pyritic, 3 to 5% total visible interparticle & interfragmental porosity, no shows.
20% **Shale:** grey to brownish grey, in part greenish grey, micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, subplaty to platy, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks.
- 795-805 100% **Limestone:** off white to light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, occasionally with fine crystalline grainy grains, predominately mudstone with packstone texture, slightly calcitic, dense & massive, in part slightly dolomitic, partly earthy & argillaceous, firm to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic with traces loose pyrite grains, 3 to 5% total visible interparticle & interfragmental porosity, trace light brown oil staining, hazy cut fluorescence. <10% brownish to greenish grey, dark grey, non to slightly

calcareous, smooth to gritty texture, moderately hard to hard, well indurated, conchoidal to angular break, in part carbonaceous.

- 805-815 100% **Limestone:** off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, occasionally fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, traces argillaceous mudstone, slightly calcitic, in part slightly dolomitic, partly clean to earthy & argillaceous, firm to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic with traces loose pyrite grains, 3 to 4% total visible interparticle & interfragmental porosity, no shows. <10% brownish to greenish grey, dark grey, non to slightly calcareous, smooth to gritty texture, moderately hard to hard, well indurated, conchoidal to angular break, in part carbonaceous.
- 815-825 80% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal, calcarenite, rare slightly dolomitic, partly earthy & ratty & argillaceous, firm to crumpled to moderately hard, lumpy to blocky to subblocky, commonly loose grains to predominately peloids, 3 to 6% total visible intracrystalline porosity with vuggy & pin point porosity, no shows.
20% **Shale:** greenish grey, grey, brownish grey, in part micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, partly dull earthy texture, occur as thin laminae.
- 825-835 100% **Limestone:** off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, occasionally fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, traces argillaceous mudstone, slightly calcitic, in part slightly dolomitic, partly earthy & argillaceous, firm to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic with traces loose pyrite grains, 3 to 4% total visible interparticle & interfragmental porosity, no shows. <10% brownish to greenish grey, dark grey, non to slightly calcareous, smooth to gritty texture, moderately hard to hard, well indurated, conchoidal to angular break, in part carbonaceous.
- 835-845 60% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris,

predominately mudstone with partly packstone texture, in part biostromal, calcarenite, in part slightly dolomitic, firm to crumpled to moderately hard, commonly loose grains to predominately peloids, 3 to 4% total visible interparticle & interfragmental porosity, no shows. 40% Shale: greenish grey, grey to brownish grey, in part micromicaceous, slightly calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, well indurated, in part thin laminae, partly silty, occasionally pyretic with traces of loose scattered granular pyrite fragments, in part fossiliferous.

845-855

60% **Shale:** greenish grey, grey to brownish grey, in part micromicaceous, slightly calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, well indurated, in part dull earthy texture, occur as thin laminae, partly silty, occasionally pyretic with traces of loose scattered granular pyrite fragments, in part fossiliferous.

40% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, calcarenite, in part slightly dolomitic, firm to crumpled to moderately hard, commonly loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy porosity, no shows.

855-865

80% **Shale:** greenish grey, grey, brownish grey, micromicaceous, generally slightly to moderately silty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, well indurated, partly dull earthy, farm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, >5% siltstone stringers inclusion, traces chert fragments, in part fossiliferous.

20% **Limestone:** off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, slightly dolomitic, traces argillaceous mudstone & chalky debris, partly earthy & argillaceous, 3% total visible interparticle & interfragmental porosity, no shows, no cut fluorescence.

865-875

60% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal,

calcarenite, in part slightly dolomitic, partly earthy & ratty & argillaceous, firm to crumpled to moderately hard, blocky to subblocky, commonly loose grains to predominately peloids, 3 to 5% total visible interparticle & interfragmental porosity, no shows, no cut fluorescence.

40% **Shale:** greenish grey, grey, brownish grey, in part micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, partly dull earthy texture, occur as thin laminae.

875-885

80% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal, calcarenite, rare slightly dolomitic, partly earthy & ratty & argillaceous, firm to crumpled to moderately hard, lumpy to blocky to subblocky, commonly loose grains to predominately peloids, 3 to 6% total visible intracrystalline porosity with vuggy & pin point porosity, no shows.

20% **Shale:** greenish grey, grey, brownish grey, in part micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, partly dull earthy texture, occur as thin laminae.

885-895

60% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, slightly calcitic, partly earthy & ratty & argillaceous, in part chalky, firm to moderately hard, flaky to subblocky to blocky, commonly loose grains to predominately peloids, 3 to 5% total visible intracrystalline porosity with vuggy porosity, no shows.

40% **Shale:** greenish grey, grey, brownish grey, in part micromicaceous, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, partly dull earthy texture, traces siltstone stringers inclusion.

895-905

70% **Limestone:** off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal, calcarenite, in part slightly dolomitic, partly earthy & ratty & argillaceous, firm to crumpled to moderately hard, blocky to subblocky, commonly loose grains to predominately peloids, 3 to

5% total visible interparticle & interfragmental porosity, no shows, no cut fluorescence.

30% **Shale:** greenish grey, grey to brownish grey, in part micromicaceous, slightly calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard, partly carbonaceous, partly dull earthy texture, occur as thin laminae, in part fossiliferous.

905-915

50% **Shale:** greenish grey, grey to brownish grey, in part micromicaceous, slightly calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, well indurated, occur as thin laminae, partly silty, occasionally pyretic with traces of loose scattered granular pyrite fragments, in part fossiliferous.

50% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, calcarenite, in part slightly dolomitic, firm to crumpled to moderately hard, commonly loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy porosity, no shows.

915-923

60% **Shale:** greenish grey, grey to brownish grey, in part micromicaceous, slightly calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, conchoidal to angular break, partly carbonaceous, well indurated, in part dull earthy texture, occur as thin laminae, partly silty, occasionally pyretic with traces of loose scattered granular pyrite fragments, in part fossiliferous.

40% **Limestone:** off white, light brown, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, calcarenite, in part slightly dolomitic, firm to crumpled to moderately hard, commonly loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy porosity, no shows.

HAY RIVER FM TOP @ 923.00m RKB (-205.85m SS)

923-935

70% **Shale:** greenish grey, grey, brownish grey, micromicaceous, generally slightly to moderately silty, micro laminated, calcareous,

dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, well indurated, firm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, >5% siltstone stringers inclusion, traces chert fragments, in part fossiliferous.

30% **Limestone:** off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, slightly dolomitic, traces argillaceous mudstone & chalky debris, partly earthy & argillaceous, 3 to 4% total visible interparticle & interfragmental porosity, no shows, no cut fluorescence.

935-945

90% **Shale:** greenish grey, grey, brownish grey, micromicaceous, generally slightly to moderately silty, micro laminated to thinly laminated, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, indurated to well indurated, partly dull earthy, firm to moderately hard, slightly sideritic, partly carbonaceous, >5% siltstone stringers inclusion, in part fossiliferous.

10% **Limestone:** off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part biostromal, slightly dolomitic, occur as thin laminae, traces argillaceous mudstone & chalky debris, partly earthy & argillaceous, 3% total visible intracrystalline porosity with vuggy porosity, no shows.

945-955

100% **Shale:** greenish grey, grey, brownish grey, partly blackish grey, micromicaceous, generally slightly to moderately silty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, indurated to well indurated, partly dull earthy, firm to moderately hard, in part thinly laminated, slightly sideritic, traces loose coarse quartz grains, partly carbonaceous, >5% siltstone stringers inclusion, in part fossiliferous. <10% off white, light brown, predominately mudstone with partly packstone texture, in part biostromal limestone.

955-965

100% **Shale:** greenish grey, grey, brownish to blackish grey, micromicaceous, generally slightly to moderately silty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, well indurated, in part dull earthy, firm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, traces of pyrite grains, >5% siltstone stringers inclusion, in part

fossiliferous. >5% off white, light brown, predominately mudstone with packstone texture, in part biostromal limestone.

965-975

100% **Shale:** greenish grey, grey, brownish to blackish grey, micromicaceous, generally slightly to moderately silty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to subblocky to blocky, fissile to platy, smooth to gritty texture, well indurated, in part dull earthy, firm to moderately hard, in part thinly laminated, rare solitary & sticky, slightly sideritic, partly carbonaceous, traces of pyrite grains, >5% siltstone stringers inclusion, in part fossiliferous. >5% off white, light brown, predominately mudstone with packstone texture, in part biostromal limestone.

975-985

100% **Shale:** greenish grey, grey, brownish grey, partly blackish grey, micromicaceous, generally slightly to moderately silty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, indurated to well indurated, partly dull earthy, firm to moderately hard, in part thinly laminated, slightly sideritic, traces loose coarse quartz grains, partly carbonaceous, >5% siltstone stringers inclusion, in part fossiliferous. Traces off white, light brown, predominately mudstone with partly packstone texture, in part biostromal limestone.

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1225-1235

100% **Shale:** medium to dark grey, greenish grey, partly dark brown to blackish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, slightly calcareous to calcareous, grading to mudstone, splintery to blocky, fissile to platy, smooth to gritty texture, partly well indurated, partly dull earthy to waxy texture, firm to friable to moderately hard, micro to thinly laminated, slightly sideritic, partly carbonaceous, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces loose coarse quartz grains, <10% off white to tan argillaceous, rare pyritic, lumpy limestone grains, in part fossiliferous.

1235-1245

100% **Shale:** light grey, medium to dark grey, greenish grey, partly dark brown to blackish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, slightly calcareous to calcareous, grading to mudstone, splintery to blocky, fissile to platy, smooth to

gritty texture, partly well indurated, in part dull earthy to waxy, firm to friable to moderately hard, micro to thinly laminated, slightly sideritic, partly carbonaceous, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces loose coarse quartz grains, >5% off white to tan argillaceous, rare pyritic, lumpy limestone grains, in part fossiliferous.

1245-1250

100% **Shale:** light -m grey, dark grey, greenish grey, partly dark brown to blackish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated, slightly calcareous to calcareous, locally grading to mudstone, splintery to blocky, fissile to platy, smooth to gritty texture, partly well indurated, in part dull earthy to waxy texture, firm to friable to moderately hard, micro to thinly laminated, slightly sideritic, partly carbonaceous, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces loose coarse quartz grains, >5% off white to tan argillaceous, rare pyritic, lumpy limestone grains, in part fossiliferous with traces of fossil fragments (?).

BEAVERHILL LAKE FM TOP @ 1250.00m (-532.85m SS)

1250-1260

100% **Shale:** medium grey to brownish grey, micromicaceous, generally silty, micro laminated on darker & harder fraction with silt partings, partly very calcareous grading to shaley limestone, dense, massive, locally grading to mudstone, splintery to blocky, subfissile to platy, smooth to gritty to waxy texture, rare earthy & well indurated, firm to moderately hard, occasionally micro to thinly laminated, slightly sideritic, in part carbonaceous with disseminated carbonaceous specks, randomly oriented with biotite mica flakes, traces siltstone stringers with loose quartz grains, traces dark argillaceous limestone with chert fragments (?), occasionally pyretic with traces of loose scattered granular pyrite fragments, traces inoceramus prism, occasionally fossiliferous.

1260-1274

100% **Shale:** medium grey to brownish grey, micromicaceous, generally silty, micro laminated on darker & harder fraction with silt partings, partly very calcareous grading to shaley limestone, dense, massive, locally grading to mudstone, splintery to blocky, subfissile to platy, smooth to gritty to waxy texture, rare earthy & well indurated, firm to moderately hard, occasionally micro to thinly laminated, slightly sideritic, in part carbonaceous with

disseminated carbonaceous specks, randomly oriented with biotite mica flakes, traces siltstone stringers with loose quartz grains, <10% off white to tan, cryptocrystalline to traces very fine crystalline, argillaceous, in part pyritic, lumpy limestone grains inclusion, traces inoceramus prism, in part fossiliferous with traces of fossil fragments.

SLAVE POINT FM TOP @ 1274.00m RKB (-556.85m SS)

- 1274-1280 **70% Limestone:** off white, mottled, creamy, firm to crumpled to moderately hard, lumpy to blocky, in part chalky & earthy, in part argillaceous predominately cryptocrystalline to microcrystalline with traces very fine crystalline grains, predominately mudstone to packstone with wackestone, in part pyritic with loose scattered granular pyrite fragments, in part bituminous, 3 to 5% total visible interparticle & interfragmental to earthy to vuggy porosity, no visible staining, no odor, traces light brown oil stain, spotty pale brownish yellow natural sample fluorescence, faint cut fluorescence, light brownish yellow residual ring fluorescence, poor show. **30% Shale:** light to medium grey, dark to brownish grey, micromicaceous, in part silty, splintery to blocky, dull earthy to waxy texture, sideritic, in part carbonaceous.
- 1280-1295 **100% Limestone:** off white, mottled, creamy, firm to crumpled to moderately hard, flaky to blocky, predominately cryptocrystalline to microcrystalline, partly with fine crystalline grains, predominately wackestone to mudstone, in part dolomitic, intraclasts & occasionally bioclastic debris, in part pyritic with traces of loose scattered granular pyrite fragments, <10% medium grey to brownish grey, micromicaceous, slightly to moderately in part silty, indurated, waxy shale fragments, 3 to 12% total visible scattered intracrystalline to earthy to vuggy & interfragmental porosity, no visible staining, slight petroleum odor, traces light brown oil stain, pale brownish yellow natural sample fluorescence, faint to strong cut fluorescence, light brownish yellow residual ring fluorescence, gas show.
- 1295-1305 **100% Limestone:** off white, mottled, creamy, firm to crumpled to moderately hard, flaky to blocky, predominately cryptocrystalline to microcrystalline, partly with fine crystalline grains, predominately wackestone to mudstone, in part dolomitic,
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intraclasts & occasionally bioclastic debris, in part pyritic with traces of loose scattered granular pyrite fragments, <10% medium grey to brownish grey, micromicaceous, slightly to moderately in part silty, indurated, waxy shale fragments, 3 to 10% total visible scattered intracrystalline to earthy to vuggy & interfragmental porosity, no visible staining, slight petroleum odor, pale brownish yellow natural sample fluorescence, faint to strong cut fluorescence, light brownish yellow residual ring fluorescence, gas show.

1305-1316

100% Limestone: off white, mottled, creamy, firm to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline to microcrystalline with traces fine crystalline grains, predominately wackestone to packstone debris, in part argillaceous mudstone, dense, clean & massive, intraclasts & occasionally bioclastic debris, in part pyritic, in part dolomitic & anhydritic, traces medium grey to brownish grey, micromicaceous, indurated, waxy shale fragments, 3 to 10% total visible scattered intracrystalline to earthy to vuggy & interfragmental porosity, no visible staining, no odor, traces light brown oil stain grains, pale brownish yellow natural sample fluorescence, faint to strong cut fluorescence, very light brownish yellow residual ring fluorescence, poor show.

F4 MARKER FM TOP @ 1316.00m RKB (-598.85m SS)

1316-1326

60% Limestone: brown, tan, light yellow with dark brown stain, mottled, predominately cryptocrystalline with occasionally microcrystalline debris, predominately mudstone, lumpy, anhydritic & dolomitic, 3 to 5% total visible interparticle & interfragmental porosity, no odor, no visible staining, >5% light brown natural sample fluorescence, hazy cut fluorescence, no shows.

40% Dolomite: Dolomite: off white, stony, creamy, predominately cryptocrystalline debris, mudstone to packstone argillaceous debris, flaky to blocky, in part argillaceous & fossiliferous, traces of shale fragments, abundant of calcite & anhydrite inclusions, 3-4% visible interparticle & interfragmental porosity, hazy cut fluorescence.

WATT MOUNTAIN FM TOP @ 1326.0m RKB (-608.85m SS)

- 1326-1335 70% **Shale:** green to greenish grey, micromicaceous, micro laminated, slightly calcareous, dense, massive, amorphous to subfissile, smooth to gritty texture, flaky to blocky, in part well indurated, partly dull earthy texture, moderately hard, partly carbonaceous, traces of anhydrite & chert fragments inclusion. 30% **Limestone:** brown, tan, light yellow with dark brown stain, mottled, friable to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline with microcrystalline debris, slightly dolomitic, anhydratic, local grading to mudstone, 3 to 5% total visible in part & interfragmental porosity, hazy cut fluorescence.
- 1335-1345 60% **Shale:** green to greenish grey, micromicaceous, micro laminated, slightly calcareous, dense, massive, amorphous to subfissile, smooth to gritty texture, flaky to blocky, in part well indurated, partly dull earthy texture, moderately hard, partly carbonaceous, traces of anhydrite & chert fragments inclusion, traces pyritic grains with loose granular pyrite, in part fossiliferous. 40% **Limestone:** brown, tan, light yellow with dark brown stain, mottled, friable to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline with microcrystalline debris, slightly dolomitic, anhydritic, local grading to mudstone, 3 to 5% total visible in part & interfragmental porosity, no shows, no cut fluorescence.
- 1345-1355 60% **Limestone:** brown, tan, light yellow with dark brown stain, mottled, friable to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline with microcrystalline debris, in part traces argillaceous mudstone & chalky debris, calcarenite, in part grainstone to packstone, local grading to mudstone, slightly dolomitic, anhydratic, 3 to 5% total visible in part & interfragmental porosity, no shows, no cut fluorescence. 40% **Shale:** green to greenish grey, brown to brownish grey, micromicaceous, micro laminated, calcareous, greenish grey very calcareous, smooth to gritty texture, flaky to blocky, in part well indurated, brownish shale dull earthy texture, moderately hard, partly carbonaceous, traces of anhydrite & chert fragments inclusion, traces pyritic grains with loose granular pyrite, in part fossiliferous.
- 1355-1362 60% **Limestone:** brown, tan, light yellow with dark brown stain, mottled, friable to crumpled to moderately hard, lumpy to blocky,

predominately cryptocrystalline with microcrystalline debris, in part traces argillaceous mudstone & chalky debris, calcarenite, in part grainstone to packstone, local grading to mudstone, slightly dolomitic, anhydritic, 3 to 5% total visible in part & interfragmental porosity, no shows, no cut fluorescence. 40% Shale: green to greenish grey, brown to brownish grey, micromicaceous, micro laminated, calcareous, greenish grey very calcareous, smooth to gritty texture, flaky to blocky, in part well indurated, brownish shale dull earthy texture, moderately hard, partly carbonaceous, traces of anhydrite & chert fragments inclusion, traces pyritic grains with loose granular pyrite, in part fossiliferous.

SULPHUR POINT FM LS TOP @ 1362.00m (-644.85m SS)

1362-1370

100% **Limestone:** off white, cream to buff, mottled, light to dark brown, oil stain, very sharp to dense cryptocrystalline to debris, rare microcrystalline to fine crystalline grains, predominately mudstone to wackestone, in part argillaceous, slightly dolomitic & anhydritic, lumpy to blocky, moderately hard, intraclasts & occasionally bioclastic debris, traces pelletoidal inclusion, traces anhydrite grains with waxy shale fragments, traces bituminous grains, 4 to 9% total scattered visible vuggy to intracrystalline to mf porosity, no visible staining, moderate petroleum odor, traces to spotty light brownish yellow natural sample fluorescence, light greenish yellow streaming cut fluorescence, light brownish yellow residual ring fluorescence, oil & gas show.

1370-1378

100% **Limestone:** off white, cream to buff, mottled, light to dark brown, oil stain, very sharp to dense cryptocrystalline to debris, rare microcrystalline to fine crystalline grains, predominately mudstone to wackestone, in part argillaceous, slightly dolomitic & anhydritic, lumpy to blocky, moderately hard, intraclasts & occasionally bioclastic debris, traces pelletoidal inclusion, traces anhydrite grains with waxy shale fragments, traces bituminous grains, 4 to 9% total scattered visible vuggy to intracrystalline to mf porosity, no visible staining, moderate petroleum odor, traces to spotty light brownish yellow natural sample fluorescence, light greenish yellow streaming cut fluorescence, light brownish yellow residual ring fluorescence, oil & gas show.

SULPHUR POINT FM DOL TOP @ 1378.00m (-660.85m SS)

- 1378-1390 100% **Dolomite:** off white to light brown, tan to buff, oil stain, very sharp dense, massive, in part microcrystalline to tetrahedral crystalline debris, predominately wackestone to packstone, predominately grainy & sucrosic, rare chalky, slightly limy, in part argillaceous mudstone grains, slightly calcitic, traces calcite inclusion, rare with bituminous partings, slightly anhydritic with traces loose anhydrite grains, traces green waxy shale inclusion, in part pyritic with inclusion micro pyrite nodules, 5 to 16% total scattered visible intracrystalline, pin point & vuggy porosity, no visible staining, strong petroleum odor with spotty to even dark brownish yellow natural sample fluorescence, fast greenish yellow streaming cut fluorescence, brownish yellow residual ring fluorescence, oil & gas show.
- 1390-1400 100% **Dolomite:** off white to light brown, tan to buff, oil stain, very sharp dense, massive, in part microcrystalline to tetrahedral crystalline debris, predominately wackestone to packstone, predominately grainy & sucrosic, rare chalky, slightly limy, in part argillaceous mudstone grains, slightly calcitic, traces calcite inclusion, rare with bituminous partings, slightly anhydritic with traces loose anhydrite grains, in part pyritic with inclusion loose micro nodules, traces green waxy shale inclusion, 4 to 14% total scattered visible intracrystalline, pin point & vuggy porosity, no visible staining, strong petroleum odor with spotty to even dark brownish yellow natural sample fluorescence, fast greenish yellow streaming cut fluorescence, brownish yellow residual ring fluorescence, oil & gas show.
- 1400-1410 90% **Dolomite:** off white, cream to buff, tan, oil stain, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy & sucrosic texture, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, calcarenite, 3 to 8% total scattered visible intracrystalline to vuggy to interfragmental porosity, moderate petroleum odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence.
10% **Anhydrite:** white, off white, brown to dark brown, tan, hyaline, irregularly shaped, sharp, pearly nodules, angular cryptocrystalline with traces microcrystalline,, in part chalky, in part dolomitic, abundant of calcite inclusion.

- 1410-1415 90% **Dolomite:** off white, cream to buff, tan, oil stain, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy & sucrosic texture, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, calcarenite, 3 to 8% total scattered visible intracrystalline to vuggy to interfragmental porosity, moderate petroleum odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence.
10% **Anhydrite:** white, off white, brown to dark brown, tan, hyaline, irregularly shaped, sharp, pearly nodules, angular cryptocrystalline with traces microcrystalline,, in part chalky, in part dolomitic, abundant of calcite inclusion.
- 1415-1425.5 80% **Dolomite:** off white, cream to buff, tan, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy & sucrosic texture, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, in part chalky & ratty, calcarenite, 3 to 5% total scattered visible intracrystalline to vuggy to interparticle & interfragmental porosity, slight petroleum odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence.
20% **Anhydrite:** white, off white, brown to dark brown, tan, hyaline, irregularly shaped, sharp, pearly nodules, angular cryptocrystalline with traces microcrystalline, in part chalky, in part dolomitic, abundant of calcite inclusion.

MUSKEG FORMATION TOP @ 1425.50m KB (-708.35m SS)

- 1425.5-1435 70% **Anhydrite:** white, off white, brown to dark brown stain in part, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, in part dolomitic, traces of very fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
30% **Dolomite:** off white, cream to buff, tan, oil stain, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy, partly chalky, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, calcarenite, 3 to 7% total scattered visible intracrystalline to vuggy porosity, no odor, no shows, no cut fluorescence.

- 1435-1445 70% **Anhydrite**: white, off white, brown to dark brown stain in part, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, in part dolomitic, traces of very fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
30% **Dolomite**: off white, cream to buff, tan, oil stain, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy, partly chalky, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, calcarenite, 3 to 7% total scattered visible intracrystalline to vuggy porosity, no show, no cut fluorescence.
- 1445-1450 50% **Dolomite**: off white, cream to buff, tan, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy & sucrosic texture, slightly limy, slightly to very anhydritic, minor argillaceous & earthy, in part chalky & ratty, calcarenite, 3 to 5% total scattered visible intracrystalline to vuggy to interparticle & interfragmental porosity, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence.
50% **Anhydrite**: white, off white, brown to dark brown, tan, hyaline, irregularly shaped, sharp, pearly nodules, angular cryptocrystalline with traces microcrystalline, in part chalky, in part dolomitic, clean, abundant of calcite inclusion.

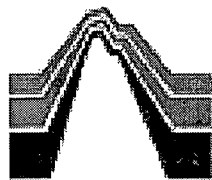
TD OF PARA ET AL CAMERON N-06

DISTRIBUTION

The original and five (5) copies of the Geological Report on Para Et Al Cameron F-77 have been completed. The original and four (4) Copies will be forwarded to PARAMOUNT RESOURCES LTD. and "Moh & Associate Oilfield Consultants Ltd." will retain the remaining copy.

Respectfully

Moh Sahota, B. Sc. (Hons), M. Sc. Geology
President,
Moh & Association Oilfield Consultants Ltd.



Paramount
resources ltd.

**Scale 1:240 (5"=100') Metric
Measured Depth Log**

Well Name: PARA ET AL CAMERON N-06
Location: 300/N06-6010-117300
License Number: 1221
Spud Date: Feb 19, 2010 @ 15:30 Hrs.
Surface Coordinates: Latitude: 60° 06' 29.3" North
Longitude: 117° 29' 04.7" West
Bottom Hole Coordinates: Latitude: 60° 06' 29.3" North
Longitude: 117° 29' 04.7" West
Ground Elevation (m): 712.45m **K.B. Elevation (m):** 717.15m
Logged Interval (m): 4.70m **To:** 1448.3m **Total Depth (m):** 1450.0m
Formation: Primary: Sulphur Point Secondary: Slave Point
Type of Drilling Fluid: Polymer - Flocc Water - Polymer.
Region: NWT
Drilling Completed: Mar 03, 2010 @ 02:30 H

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OPERATOR

Company: PARAMOUNT RESOURCES LTD.
Address: 4700 Bankers Hall West
888 3rd Street S.W.
Calgary, AB T2P 5C5.

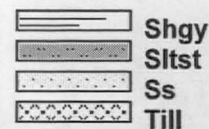
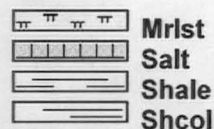
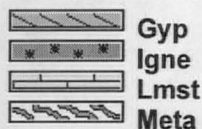
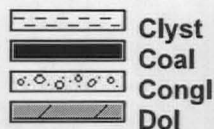
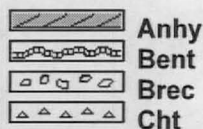
GEOLOGIST

Name: Azim Ahmed
Company: Moh and Associates Oilfield Consultants Ltd.
Address: 509, 206 - 7th Ave SW
Calgary, AB T2P 0W7.

Comments

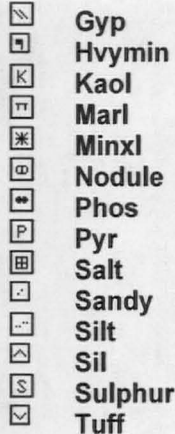
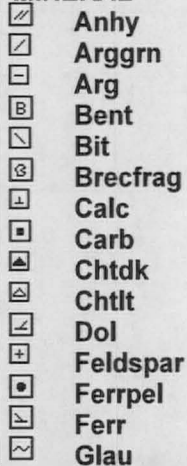
- # The well is drilled as a vertical one and all depths are measured from RKB.
- # The well is drilled by Precision Drilling Rig# 245.
- # AFE# 09NO10011
- # A Total Gas Detector is Used for gas detection.
- # Logging conducted by Weatherford.
Run# 1: STI/SPeD/CNS/GR/MRT/HBC/DAC/CAL
Run# 2: SPeD/CNT/GR/MRT/DAC tools are run in.
- # Neutron & Density porosity logs presented on a limestone and dolomite scales.
- # 139.7mm production casings are run in.

ROCK TYPES

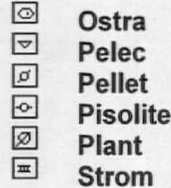
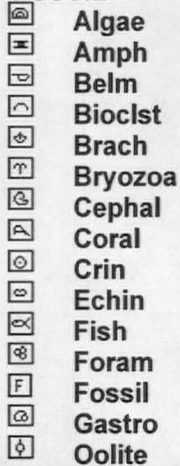


ACCESSORIES

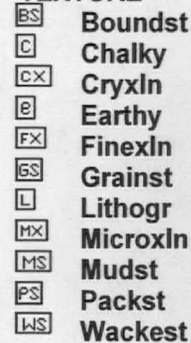
MINERAL



FOSSIL



TEXTURE

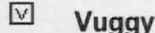


STRINGER

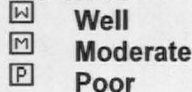


OTHER SYMBOLS

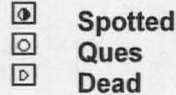
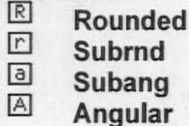
POROSITY



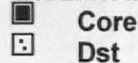
SORTING



ROUNDING



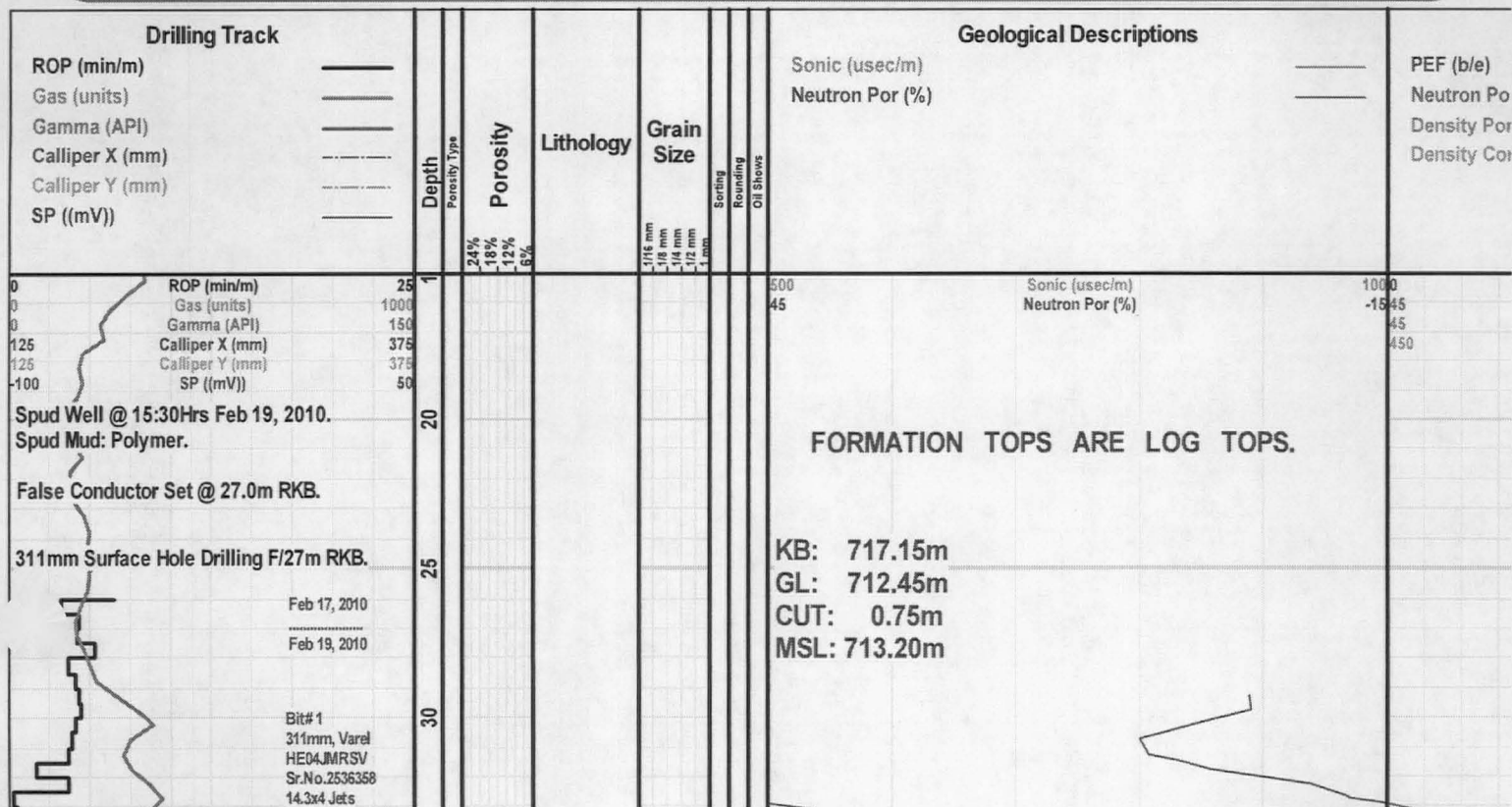
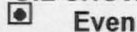
INTERVAL



EVENT



OIL SHOW



In: 27m
Out: 362m
Bit Hrs: 33.0

Drilling W/ Polymer Mud.

Feb 19, 2010
Feb 20, 2010

Svy @ 51.0m
TVD: 51.0m
Inc: 0.00°

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

25
1000
150
375
375
50

WOB: 1.0
RPM: 136
SPM: 86
PP: 2100

MW: 1040
VIS: 45
pH: 8.5

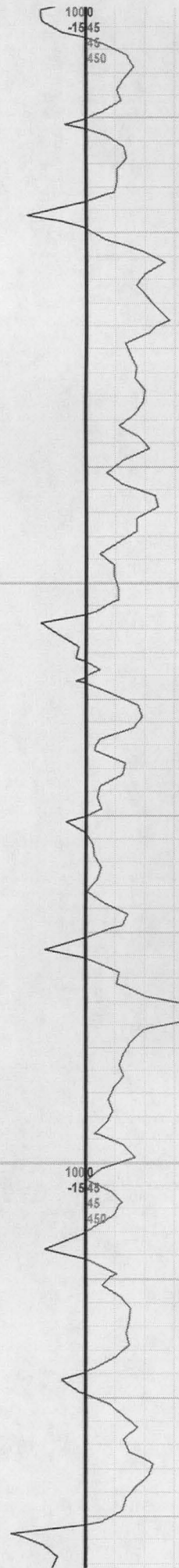
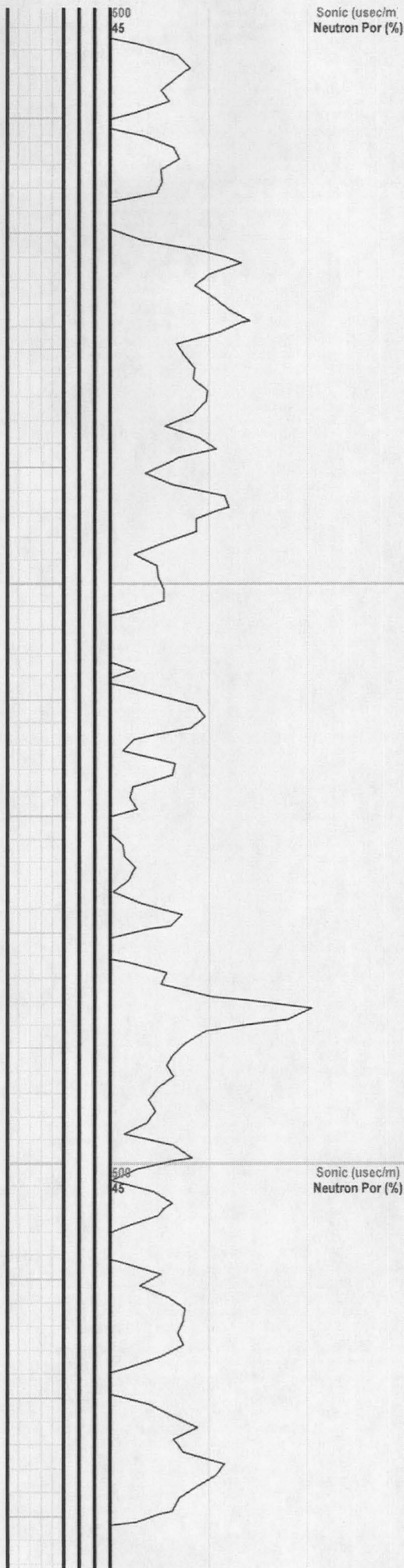
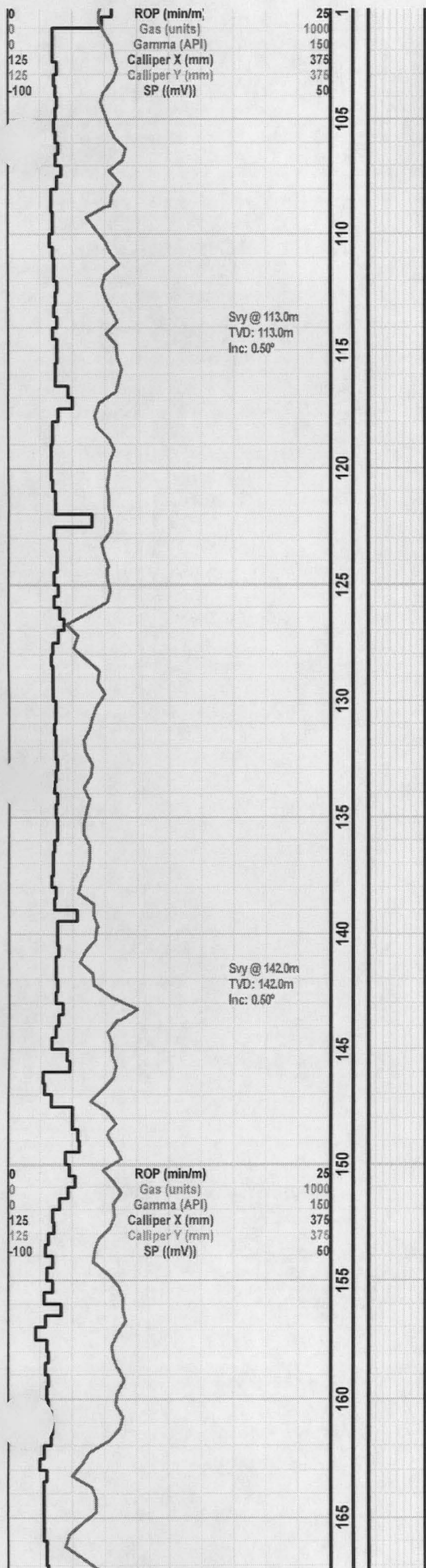
Svy @ 88.0m
TVD: 88.0m
Inc: 0.50°

WOB: 1.0
RPM: 110
SPM: 70+64
PP: 4100

MW: 1020
VIS: 41
pH: 8.0

Sonic (usec/m)
Neutron Por (%)

1000
-15.45
4.3
4.50



Svy @ 170.0m
TVD: 170.0m
Inc: 0.50°

WOB: 3.0
RPM: 150
SPM: 126
PP: 4300

MW: 1100
VIS: 48
pH: 8.0

Svy @ 199.0m
TVD: 199.0m
Inc: 0.00°

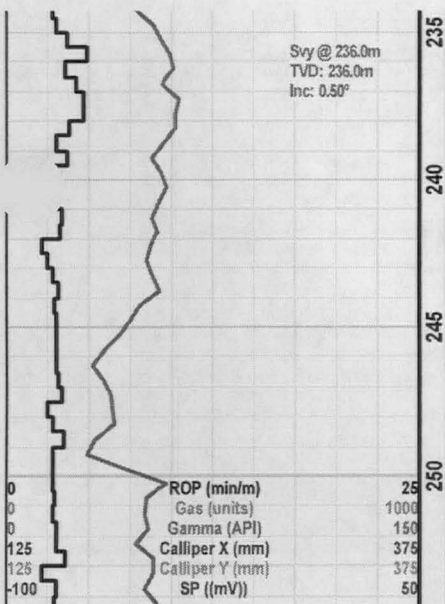
ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

25
1000
150
375
375
50

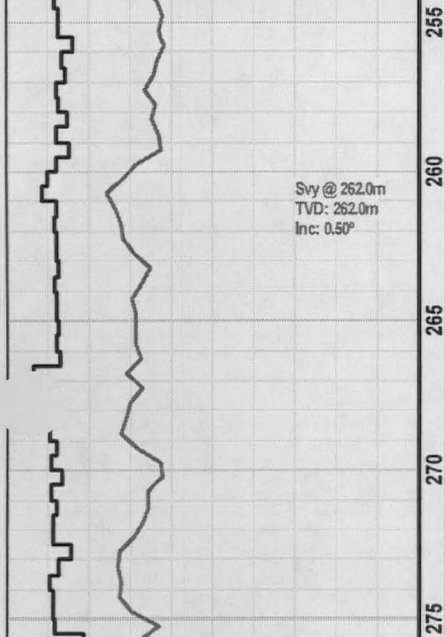
Sonic (usec/m)
Neutron Por (%)

1000
45
45
450

Svy @ 236.0m
TVD: 236.0m
Inc: 0.50°



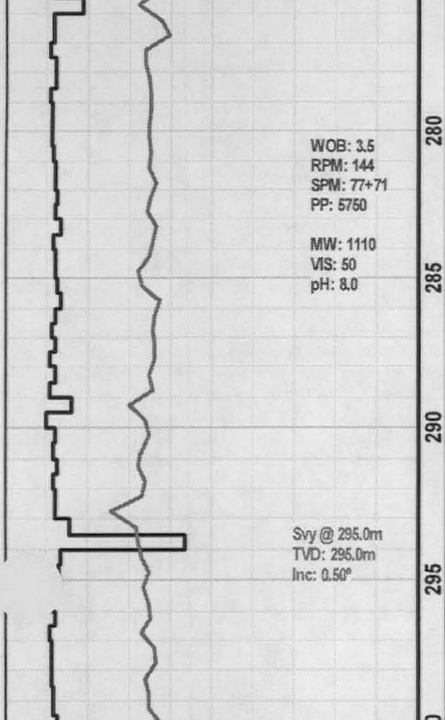
Svy @ 262.0m
TVD: 262.0m
Inc: 0.50°



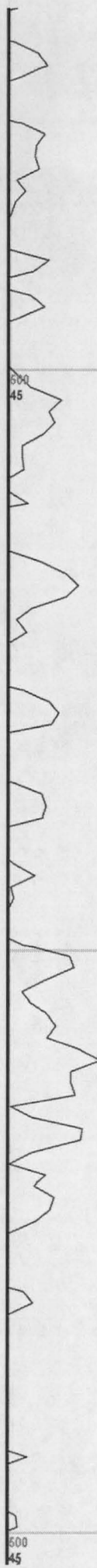
WOB: 3.5
RPM: 144
SPM: 77+71
PP: 5750

MW: 1110
VIS: 50
pH: 8.0

Svy @ 295.0m
TVD: 295.0m
Inc: 0.50°



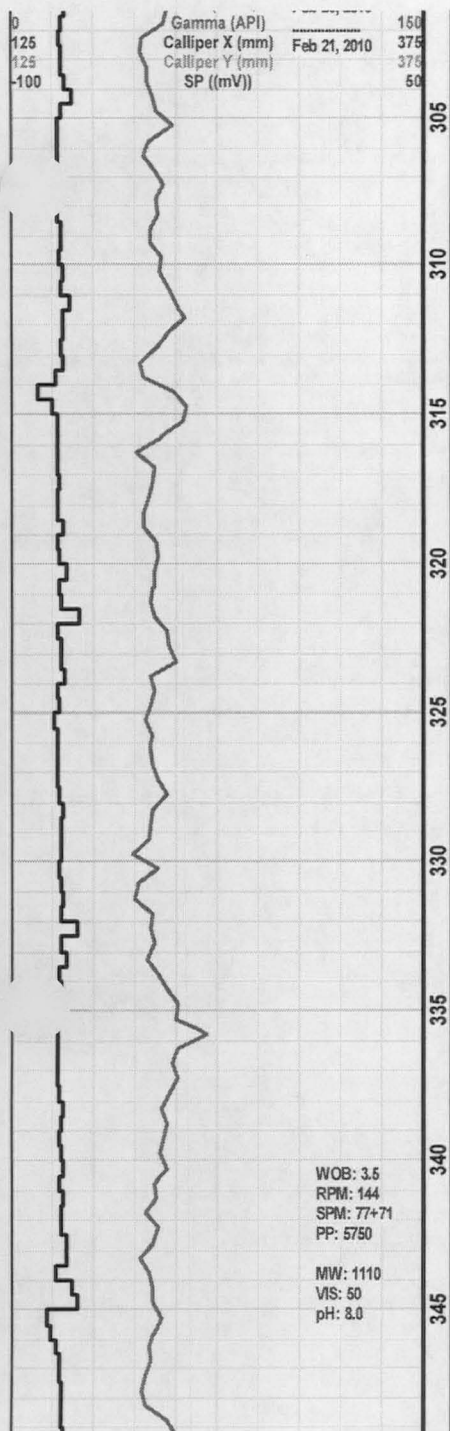
ROP (min/m)
Gas (units)
Feb 20, 2010



Sonic (usec/m)
Neutron Por (%)

Sonic (usec/m)
Neutron Por (%)

Gamma (API) 150
 Calliper X (mm) 375
 Calliper Y (mm) 375
 SP ((mV)) 50
 Feb 21, 2010



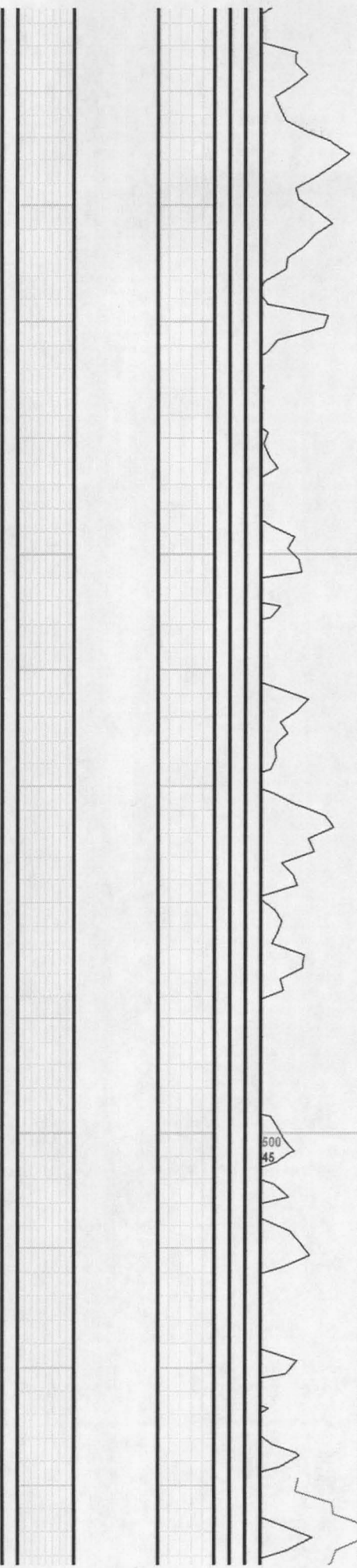
WOB: 3.5
 RPM: 144
 SPM: 77-71
 PP: 5750
 MW: 1110
 VIS: 50
 pH: 8.0

ROP (min/m) 25
 Gas (units) 1000
 Gamma (API) 150
 Calliper X (mm) 375
 Calliper Y (mm) 375
 SP ((mV)) 50

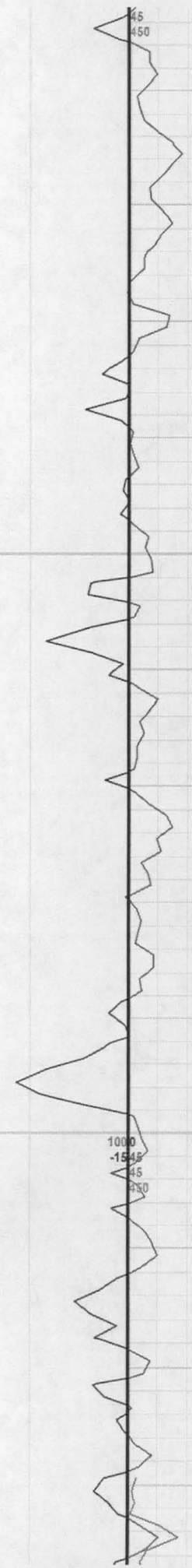
Strap Out of Hole @ 362m RKB. P/U
 Reamer for Hole Conditioning.

Feb 21, 2010
 Feb 22, 2010

Bit# 2
 311mm, Varel
 HE04JMRSV
 Sr.No.254823
 14.3x4 Jets
 In: 362m
 Out: 377m



Sonic (usec/m)
 Neutron Por (%)



Bit Hrs: 1.75
WOB: 5.5
RPM: 140
SPM: 77+71
PP: 8800
1120

Svy @ 371.0m
TVD: 371.0m
Inc: 0.10°

Feb 22, 2010

Feb 25, 2010

219.1mm Surface Casings @ 377.0m.

Bit# 3,
200mm, Varel
VT0513VX
Sr.No.4000287
14.3x7 Jets
In: 377m
Out: 1413m
Bit Hrs: 79.0

FG: 359/73 units.

A Total Gas Detector Hooked Up F/377m.

Drilling W/Floc Water Mud.

Svy @ 398.0m
TVD: 398.0m
Inc: 0.50°

ROP (min/m)

Gas (units)

Gamma (API)

Calliper X (mm)

Calliper Y (mm)

SP ((mV))

WOB: 2.5
RPM: 100
SPM: 113
PP: 3750

MW: 1020
VIS: 29
pH: 10.0

FG: 833/271 units.

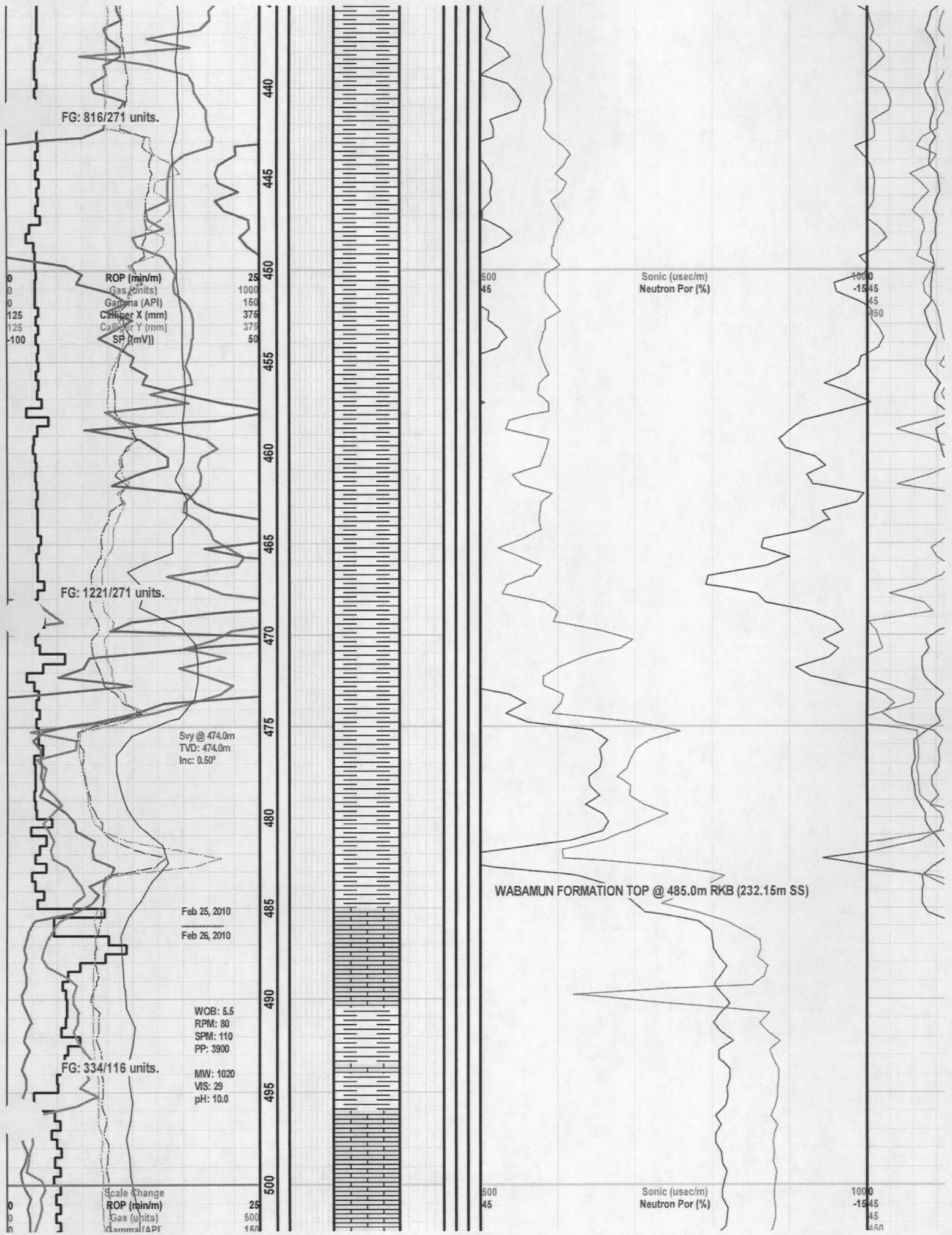
FG: 926/271 units.

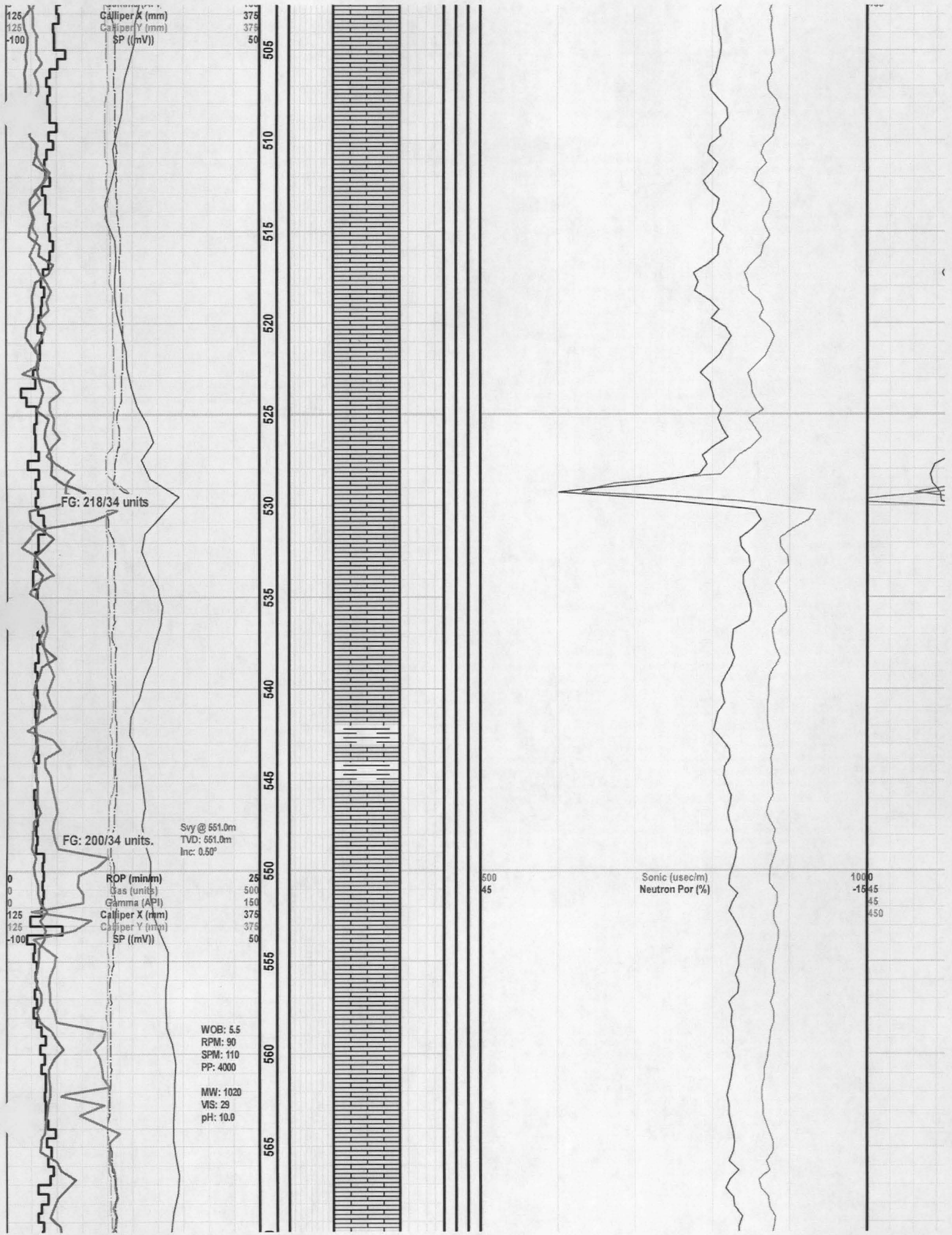
370
375
380
385
390
395
400
405
410
415
420
425
430
435

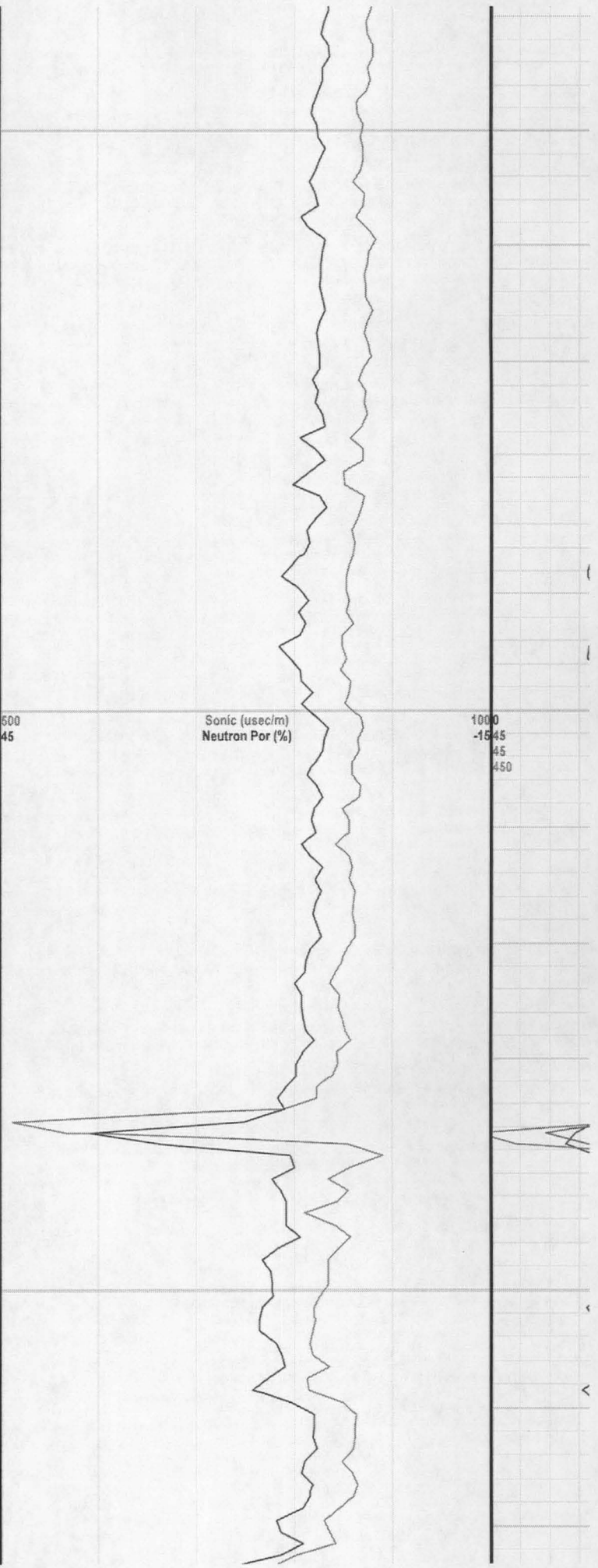
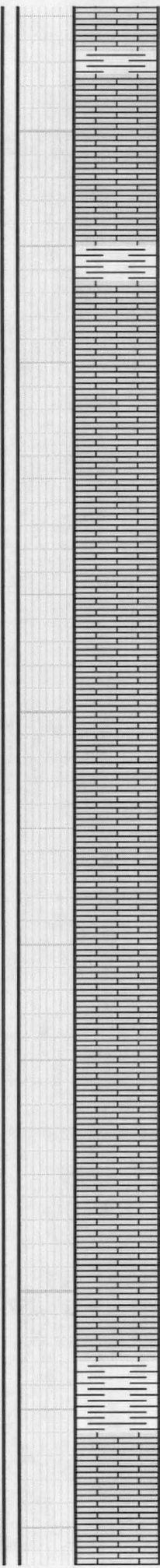
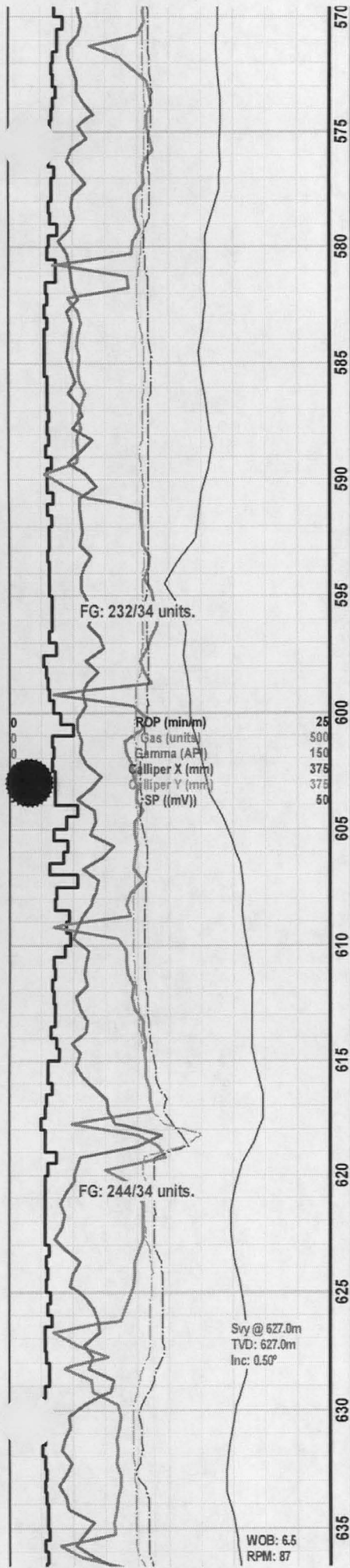
500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450







SPM: 109
PP: 4100

MW: 1020
VIS: 29
pH: 10.0

FG: 273/34 units.

ROP (min/m)
Gas (units)
Gamma (API)
Caliper X (mm)
Caliper Y (mm)
SP (mV)

640
645
650
655
660
665
670
675
680
685
690
695
700

FG: 421/82 units.

FG: 491/82 units.

ROP (min/m)
Gas (units)
Gamma (API)
Caliper X (mm)
Caliper Y (mm)
SP (mV)

25
500
150
375
375
50

500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450

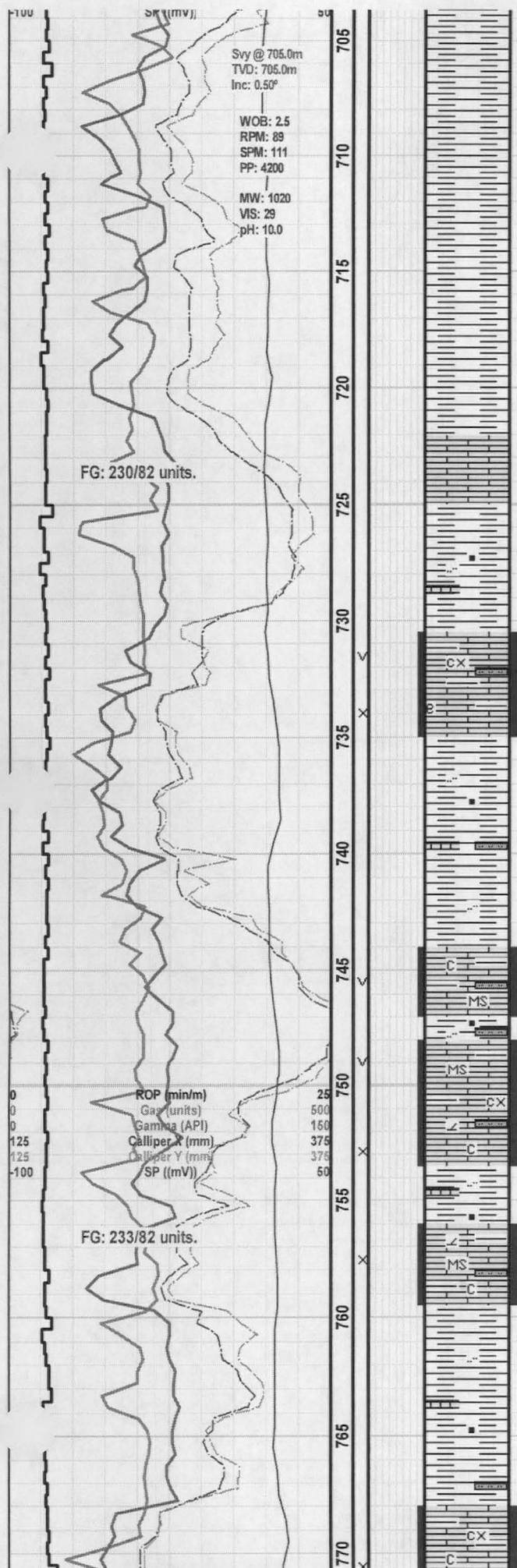
JEAN MARIE MEMBER TOP @ 658.00m RKB (59.15m SS)

FORT SIMPSON FORMATION TOP @ 664.00m RKB (53.15m SS)

500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450



Samples Collected & Descriptions Made From 735.0m to 980.0m RKB Covering Entire Twin Falls Foramtion.

60% Sh: dk - blksh gy, gnsh - brnsh gy, micmica ip, nn calcs, sbblky - blkky, sbfis - sbply, sm - grty tex, ip thinly lamd, ind - w ind, frm - modly hd, ip hd, conch - ang brk, sly sidic, ip carb & foss. 40% Ls: off wh - lt brn, bf, predly crpxd / trs micd deb, predly mdst / pkst tex, ip chky & ratty, trs arg mdst, calcar, ip sly dolic arg, lmpy - sbblky, crpld - modly hd, trs lse grs - predly peloids, 3 - 4% total vis vugy / intrd por, ns, no cut flor.

80% Sh: dk - blksh gy, gnsh - brnsh gy, ptly micmica, nn calcs, genly sly - modly sly, sbblky - blkky, sbfis - sbply, sm - grty tex, ip thinly lamd, ind, frm - modly hd, ip hd, conch - ang brk, sly sidic, ptly carb, trs slst strgs incl. 20% Ls: off wh - lt brn, bf, predly crpxd / trs micd deb, predly mdst / pkst tex, calcar, ip sly dolic & arg, ip chky & ratty, lmpy - blkky, crpld - modly hd, trs lse grs - predly peloids, 3 - 4% total vis vugy / intrd por, ns, no cut flor.

70% Sh: gy - blksh gy, brnsh - gnsh gy, ptly micmica, nn calcs, genly sly - modly sly, sbblky - blkky, sbfis - sbply, sm - grty tex, ip thinly lamd, ind, frm - modly hd, conch - ang brk, ptly carb / trs dism carb specs, trs slst strgs. 30% Ls: off wh - lt brn, bf, predly crpxd / trs micd deb, predly mdst / pkst tex, dns, calcar, ip sly dolic, ptly rthy & arg, lmpy - blkky, frm - modly hd, trs lse grs - predly peloids, 3 - 4% total vis vugy / intrd & pp por, ns, no cut flor.

80% Sh: gy - blksh gy, brnsh - gnsh gy, ptly micmica, nn - sly calcs, genly sly - modly sly, sbblky - blkky, sbfis - sbply, ip thinly lamd, ind, frm - modly hd, ip hd, conch - ang brk, ptly carb / trs dism carb specs, trs inoc prgs. 20% Ls: off wh - lt brn, bf, predly crpxd / trs micd deb, predly mdst / pkst tex, dns, calcar, ip sly dolic, ptly rthy & arg, lmpy - blkky, frm - modly hd, trs lse grs - predly peloids, 3 - 4% total vis vugy / intrd & pp por, ns, no cut flor.

TWIN FALLS FORMATION TOP @ 768.00m RKB (-50.85m SS)

60% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, occly f xin gry grs incl, predly mdst / pkst tex, trs arg mdst, dns & mas, calcar, cin - rthy, trs arg mdst & chky deb, frm - fri - modly hd, lmpy - blkky, comly lse grs - predly peloids, occly plic, >4% total vis intpar & intrag por, ns, no cut flor.

WOB: 5.5
RPM: 89
SPM: 111
PP: 4100

MW: 1010
VIS: 30
pH: 10.0

Svy @ 789.0m
TVD: 789.0m
Inc: 0.60°

FG: 379/82 units.

Feb 26, 2010

Feb 27, 2010

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

25
500
150
375
375
50

FG: 127/82 units.

ns. 40% sh: gy - brnsh gy, gnsh gy, micmica, nn calcs, sbblky - blkly, sbfis - sbply, sm - grty
tex, ip lamd, modly hd - hd, conch - ang brk, pty carb / trs dism carb specs.

80% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, occlly f xdn gry grs incl, predly mdst /
pkst tex, trs arg mdst, dns & mas, calcar, chn - rthy, trs arg mdst & chky deb, frm - fri - modly
hd, lmpy - blkly, comly lse grs - predly peloids, occlly pyric, >4% total vis intpar & infrag por,
ns. 20% Sh: gy - brnsh gy, gnsh gy, micmica, nn calcs, sbblky - blkly, sbfis - sbply, sm - grty
tex, ip lamd, modly hd - hd, conch - ang brk, pty carb / trs dism carb specs.

80% Ls: off wh - lt brn, bf, predly crpxd / trs of micd deb, occlly f xdn gry grs incl, predly mdst /
pkst tex, trs arg mdst, dns & mas, calcar, chn - rthy, trs arg mdst & chky deb, frm - fri - modly
hd, lmpy - blkly, comly lse grs - predly peloids, occlly pyric, 3 - 5% total vis intpar & infrag por,
ns. 20% Sh: gy - brnsh gy, ip gnsh gy, micmica, nn calcs, sbblky - blkly, sbfis - sbply, sm -
grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb / trs dism carb specs.

100% Ls: off wh - lt brn, bf, predly crpxd / trs of micd deb, occlly f xdn gry grs incl, predly mdst /
pkst tex, sily calcic, dns & mas, ip sily dolic, pty rthy & arg, frm - modly hd, flky - blkly, comly
lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 5% total vis intpar & infrag por, tr lt brn o
stng, hazy cut flor. <10% brnsh - gnsh gy, dk gy, nn - sily calcs, sm - grty tex, modly hd - hd,
wind, conch - ang brk, ip carb.

500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450

100% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, occlly f xdn gry grs incl, predly mdst /
pkst tex, trs arg mdst, sily calcic, ip sily dolic, pty rthy & arg, frm - modly hd, flky - blkly,
comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intpar & infrag por, ns.
<10% brnsh - gnsh gy, dk gy, nn - sily calcs, sm - grty tex, modly hd - hd, wind, conch - ang
brk, ip carb.

80% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, predly mdst / pty pkst tex, trs arg mdst
& chky deb, ip biostl, calcar, r sily dolic, pty rthy & ratty & arg, frm - crpld - modly hd, lmpy -
blkly - sbblky, comly lse grs - predly peloids, 3 - 6% total vis intpar & infrag por, ns.
20% Sh: gnsh gy, gy, brnsh gy, ip micmica, nn calcs, sbblky - blkly, sbfis - sbply, sm - grty
tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, pty dull rthy tex, occur as thin lam.

100% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, occlly f xdn gry grs incl, predly mdst /
pkst tex, trs arg mdst, sily calcic, ip sily dolic, pty rthy & arg, frm - modly hd, flky - blkly,
comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intpar & infrag por, ns.
<10% brnsh - gnsh gy, dk gy, nn - sily calcs, sm - grty tex, modly hd - hd, wind, conch - ang
brk, ip carb.

60% Ls: off wh, lt brn, bf, predly crpxd / trs of micd deb, predly mdst / pty pkst tex, ip biostl,
calcar, ip sily dolic, frm - crpld - modly hd, comly lse grs - predly peloids, 3 - 4% total vis
intpar & infrag por, ns. 40% Sh: gnsh gy, gy - brnsh gy, ip micmica, sily calcs, sbblky - blkly,
sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, wind, ip thin

WOB: 4.5
RPM: 89
SPM: 114
PP: 5100

MW: 1010
VS: 30
pH: 10.0

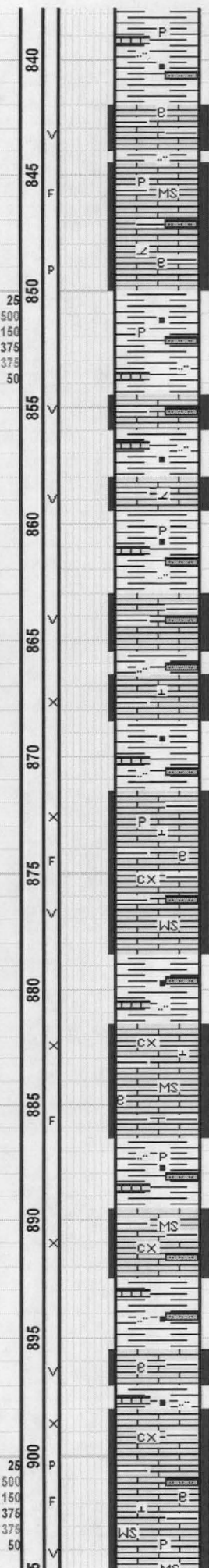
ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

FG: 180/82 units.

Svy @ 867.0m
TVD: 867.0m
Inc: 0.50°

FG: 232/82 units.

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))



lam, pty sily, occly pyretic / trs of lse scat gran pyr frags, ip foss.

60% Sh: gnsh gy, gy - bmsh gy, ip micmica, sily calcs, sbblky - biky, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, w ind, ip dull rthy tex, occur as thin lam, pty sily, occly pyretic / trs of lse scat gran pyr frags, ip foss. 40% Ls: off wh, lt bm, predly crpx / trs of micd deb, predly mdst / pty pkst tex, ip biostl, calcar, ip sily dolc, frm - crpld - modly hd, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns.

Sonic (usec/m)
Neutron Por (%)

80% Sh: gnsh gy, gy, bmsh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dns, mas, amor - biky, fis - pty, sm - grty tex, w ind, pty dull rthy, farm - modly hd, ip thinly lamd, sily sidic, pty carb, >5% silt strgs incl, trs cht frags, ip foss. 20% Ls: off wh, lt bm, tan, predly crpx / trs of micd deb, predly mdst / pty pkst tex, ip biostl, sily dolc, trs arg mdst & chky deb, pty rthy & arg, 3% total vis intrd por & intrfrag por, ns, no cut flor.

60% Ls: off wh, lt bm, predly crpx / trs of micd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, ip sily dolc, pty rthy & ratty & arg, frm - crpld - modly hd, biky - sbblky, comly lse grs - predly peloids, 3 - 5% total vis intrd por & intrfrag por, ns, no cut flor. 40% Sh: gnsh gy, gy, bmsh gy, ip micmica, nn calcs, sbblky - biky, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, pty dull rthy tex, occur as thin lam.

80% Ls: off wh, lt bm, predly crpx / trs of micd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, ip sily dolc, pty rthy & ratty & arg, frm - crpld - modly hd, biky - sbblky, comly lse grs - predly peloids, 3 - 6% total vis intrd por / vugy & pp por, ns. 20% Sh: gnsh gy, gy, bmsh gy, ip micmica, nn calcs, sbblky - biky, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, pty dull rthy tex, occur as thin lam.

60% Ls: off wh, lt bm, predly crpx / trs of micd deb, predly mdst / pty pkst tex, ip biostl, sily calcic, pty rthy & ratty & arg, ip chky, frm - modly hd, biky - sbblky - biky, comly lse grs - predly peloids, 3 - 5% total vis intrd por / vugy por, ns. 40% Sh: gnsh gy, gy, bmsh gy, ip micmica, nn calcs, sbblky - biky, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, pty dull rthy tex, trs silt strgs incl.

70% Ls: off wh, lt bm, tan, predly crpx / trs of micd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, ip sily dolc, pty rthy & ratty & arg, frm - crpld - modly hd, biky - sbblky, comly lse grs - predly peloids, 3 - 5% total vis intrd por & intrfrag por, ns, no cut flor. 30% Sh: gnsh gy, gy - bmsh gy, ip micmica, sily calcs, sbblky - biky, sbfis - sbply, sm - grty tex, ip lamd, modly hd, pty carb, pty dull rthy tex, occur as thin lam, ip foss.

Sonic (usec/m)
Neutron Por (%)

WOB: 2.5
RPM: 89
SPM: 109
PP: 4650

MW: 1040
VIS: 28
pH: 8.0

FG: 245/82 units.

FG: 241/82 units.

Svy @ 942.0m
TVD: 942.0m
Inc: 0.50°

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

25
500
150
375
375
50

inmg W/ Polymer Mud F/970m RKB.

WOB: 1.5
RPM: 89
SPM: 109
PP: 4750

50% Sh: gnsh gy, gy - bmsh gy, ip micmica, sily calcs, sbbiky - blkly, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, w ind, occur as thin lam, pty sily, occly pyretic / trs of lse scat gran pyr frags, ip foss. 50% Ls: off wh, lt bm, predly crpxd / trs of micxl deb, predly mdst / pty pkst tex, ip biostl, calcar, ip sily dolic, frm - crpld - modly hd, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns.

60% Sh: gnsh gy, gy - bmsh gy, ip micmica, sily calcs, sbbiky - blkly, sbfis - sbply, sm - grty tex, ip lamd, modly hd - hd, conch - ang brk, pty carb, w ind, ip dull rthy tex, occur as thin lam, pty sily, occly pyretic / trs of lse scat gran pyr frags, ip foss. 40% Ls: off wh, lt bm, predly crpxd / trs of micxl deb, predly mdst / pty pkst tex, ip biostl, calcar, ip sily dolic, frm - crpld - modly hd, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns.

HAY RIVER FORMATION TOP @ 923.00m RKB (-205.85m SS)

70% Sh: gnsh gy, gy, bmsh gy, micmica, genly sily - modly sily, mic lamd, calcs, dns, mas, amor - blkly, fis - pty, sm - grty tex, w ind, farm - modly hd, ip thinly lamd, sily sidic, pty carb, >5% sltst strgs incl, trs cht frags, ip foss. 30% Ls: off wh, lt bm, tan, predly crpxd / trs of micxl deb, predly mdst / pty pkst tex, ip biostl, sily dolic, trs arg mdst & chky deb, pty rthy & arg, 3 - 4% total vis intpar & intfrag por, ns, no cut floor.

90% Sh: gnsh gy, gy, bmsh gy, micmica, genly sily - modly sily, mic lamd - thinly lamd, calcs, dns, mas, amor - blkly, fis - pty, sm - grty tex, ind - w ind, pty dull rthy, farm - modly hd, sily sidic, pty carb, >5% sltst strgs incl, ip foss. 10% Ls: off wh, lt bm, tan, predly crpxd / trs of micxl deb, predly mdst / pty pkst tex, ip biostl, sily dolic, occur as thin lam, trs arg mdst & chky deb, pty rthy & arg, 3% total vis intrd por / vugy por, ns.

100% Sh: gnsh gy, gy, bmsh gy, pty blksh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dns, mas, amor - blkly, fis - pty, sm - grty tex, ind - w ind, pty dull rthy, farm - modly hd, ip thinly lamd, sily sidic, trs lse c qtz grs, pty carb, >5% sltst strgs incl, ip foss. <10% off wh, lt bm, predly mdst / pty pkst tex, ip biostl ls.

500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450

100% Sh: gnsh gy, gy, bmsh - blksh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dns, mas, amor - blkly, fis - pty, sm - grty tex, w ind, ip dull rthy, farm - modly hd, ip thinly lamd, sily sidic, pty carb, trs of pyr grs, >5% sltst strgs incl, ip foss. >5% off wh, lt bm, predly mdst / pkst tex, ip biostl ls.

100% Sh: gnsh gy, gy, bmsh - blksh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dns, mas, amor - sbbiky - blkly, fis - pty, sm - grty tex, w ind, ip dull rthy, farm - modly hd, ip thinly lamd, rr sol & stky, sily sidic, pty carb, trs of pyr grs, >5% sltst strgs incl, ip foss. >5% off wh, lt bm, predly mdst / pkst tex, ip biostl ls.

MW: 1070
VIS: 32
pH: 8.0
WL: 15.0

BG: 82 units.

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

25
500
150
375
375
50

975
980
985
990
995
1000
1005
1010
1015
1020
1025
1030
1035



BG: 58 units.

Svy @ 1018.0m
TVD: 1018.0m
Inc: 1.50°

WOB: 2.5
RPM: 131
SPM: 110
PP: 4750

MW: 1070
VIS: 35
pH: 8.0
WL: 15.0

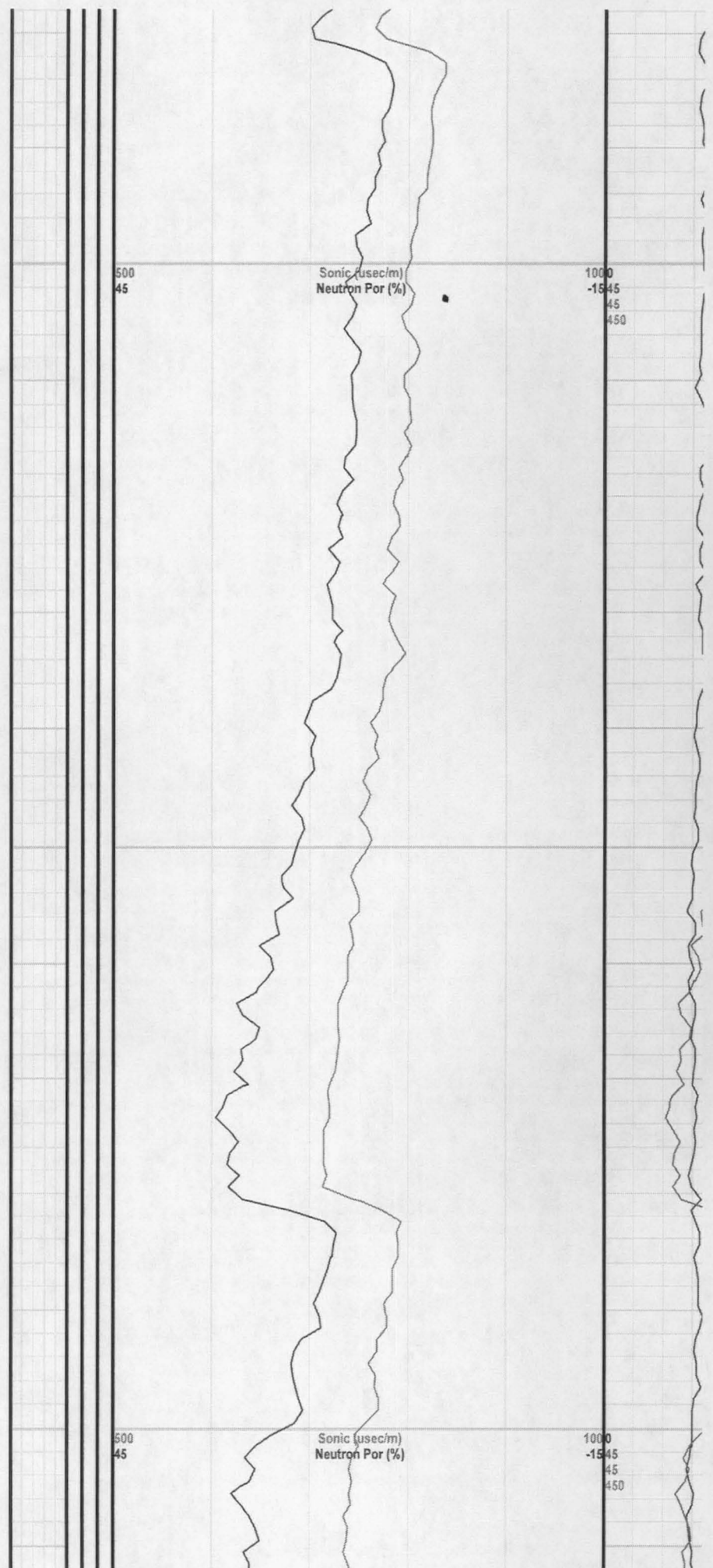
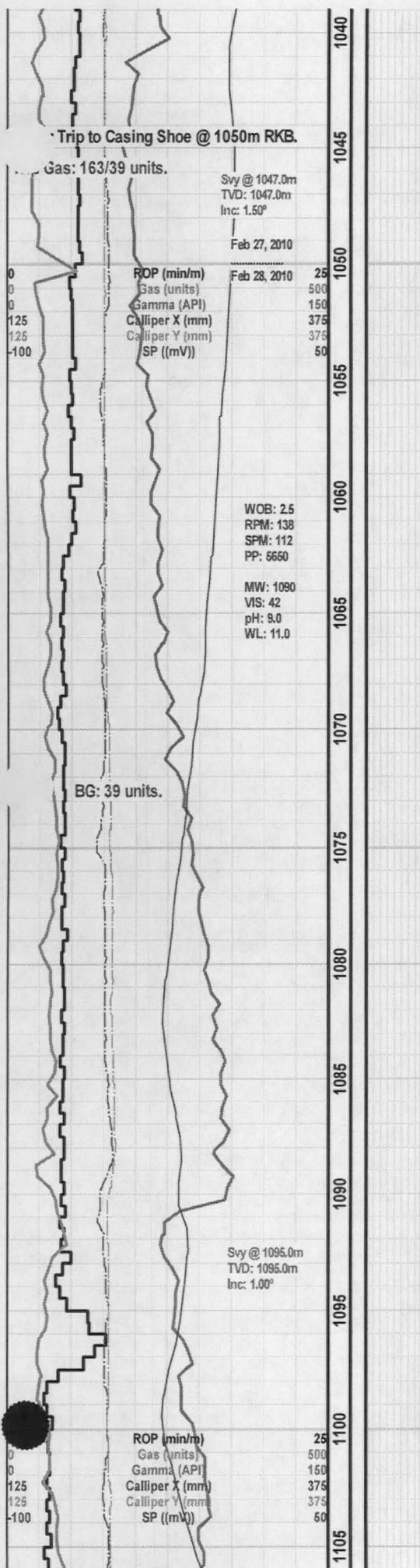
100% Sh: gnsh gy, gy, brsh gy, ptly blksh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dqs, mas, amor - blkly, fis - pily, sm - grty tex, ind - wind, ptly dull rthy, farm - modly hd, ip, thinly lamd, sily sidic, trs lse c qtz grs, ptly carb, >5% sltst strgs incl, ip foss. trs off wh, lt brn, predly mdst / ptly pkst tex, ip biostl ls.

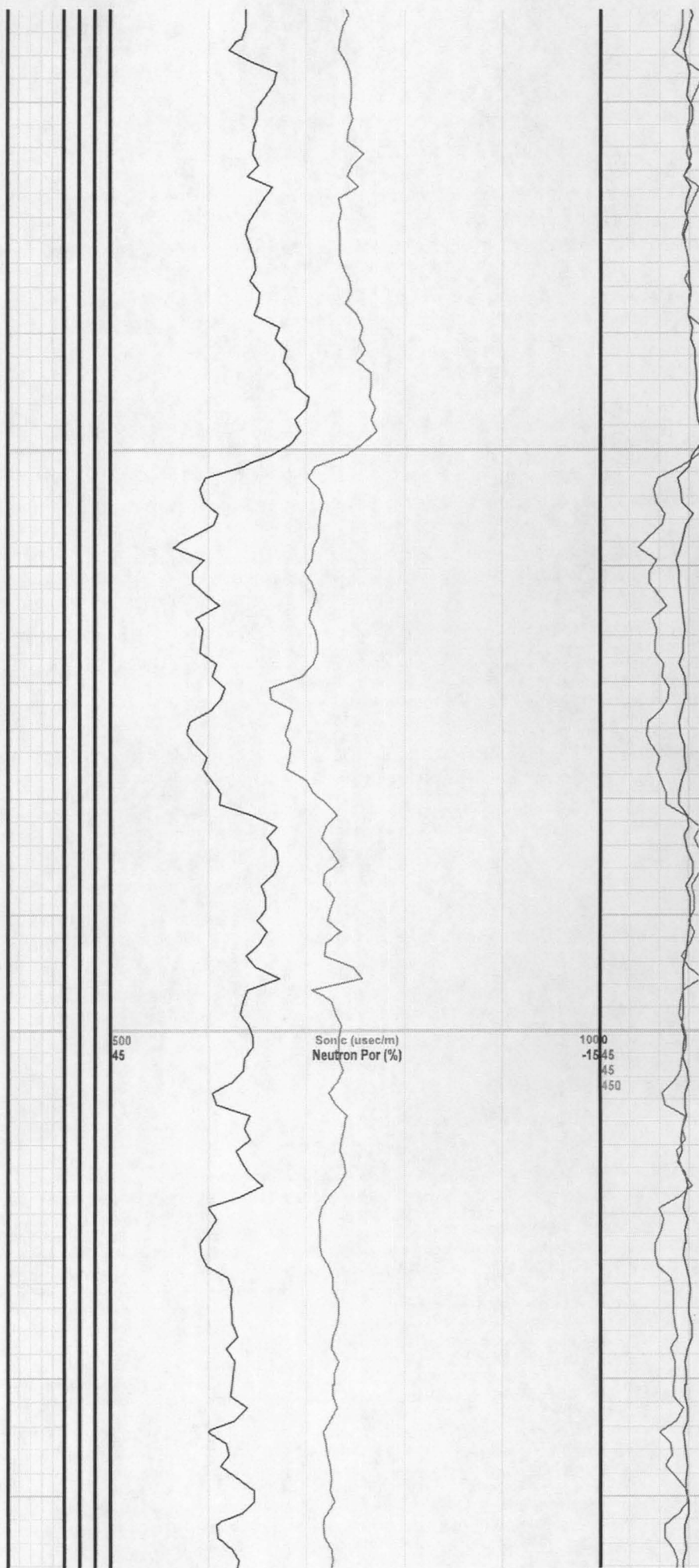
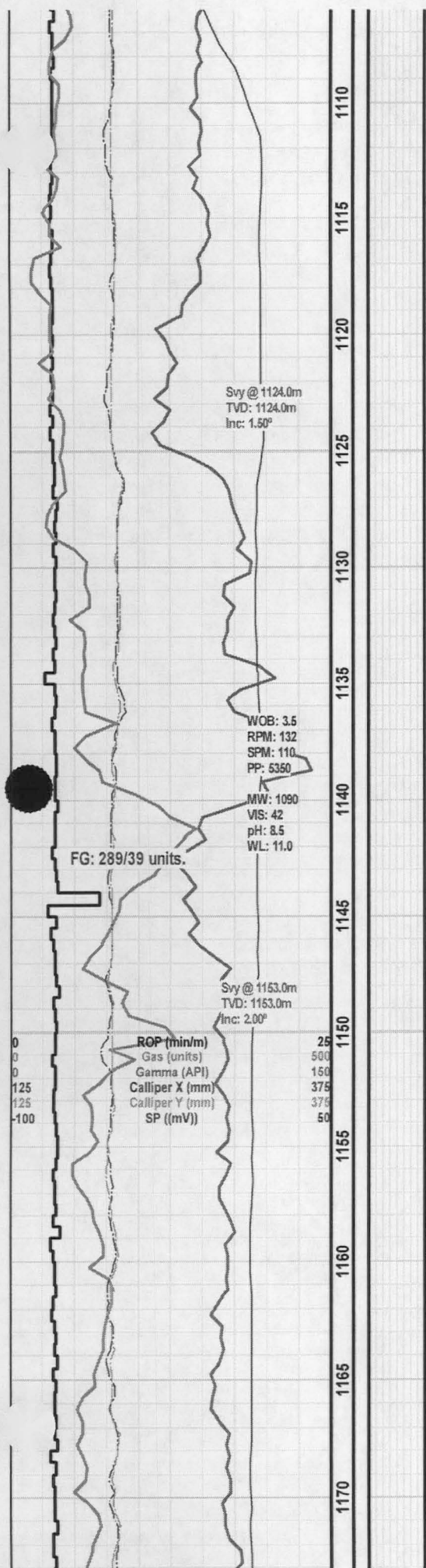
100% Sh: gnsh gy, gy, brsh gy, ptly blksh gy, micmica, genly sily - modly sily, mic lamd on dkr & hdr fraction, calcs, dqs, mas, amor - blkly, fis - pily, sm - grty tex, ind - wind, ptly dull rthy, farm - modly hd, ip, thinly lamd, sily sidic, trs lse c qtz grs, ptly carb, >5% sltst strgs incl, ip foss. trs off wh, lt brn, predly mdst / ptly pkst tex, ip biostl ls.

500
45

Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450





Svy @ 1181.0m
TVD: 1181.0m
Inc: 2.50°

WOB: 2.0
RPM: 180
SPM: 111
PP: 5850
MW: 1100
VIS: 43
pH: 8.5
WL: 9.0

FG: 182/39 units.

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

Svy @ 1210.0m
TVD: 1210.0m
Inc: 3.00°

FG: 449/39 units.

Svy @ 88.0m

500
45

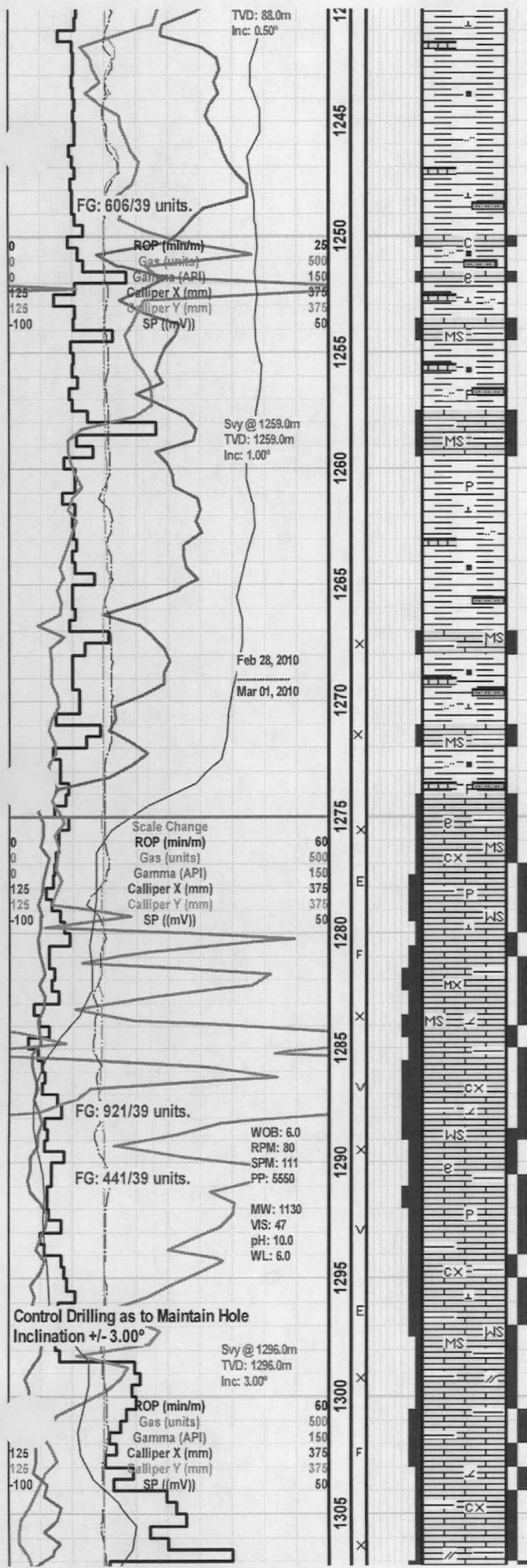
Sonic (usec/m)
Neutron Por (%)

1000
-1545
45
450

Samples Collected & Descriptions Made From 1225.0m to TD.

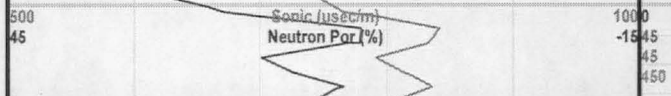
100% Sh: m - dk gy, gnsh gy, pthy dk brn - blksh gy, micmica, genly sily - modly ip sily, mic lamd on dkr & hdr fraction / f sily ptgs, sily calcs - calcs, grdg - mdst, spity - blkly, fis - plty, sm - grty tex, pthy wind, pthy dull rthy - wxy tex, frm - fri - modly hd, mic - thinly lamd, sily sidic, pthy carb, randomly oriented / biot mica flks, trs sltst strgs, trs lse c qtz grs, <10% off wh - tan arg, r pyric, lmpy ls grs, ip foss.

100% Sh: lt gy, m - dk gy, gnsh gy, pthy dk brn - blksh gy, micmica, genly sily - modly ip sily, mic lamd on dkr & hdr fraction / f sily ptgs, sily calcs - calcs, grdg - mdst, spity - blkly, fis - plty, sm - grty tex, pthy wind, ip dull rthy - wxy, frm - fri - modly hd, mic - thinly lamd, sily sidic, pthy carb, randomly oriented / biot mica flks, trs sltst strgs, trs lse c qtz grs, >5% off wh - tan arg, r pyric, lmpy ls grs, ip foss.



100% Sh: lt - m gy, dk gy, gnsh gy, ptly dk bm - blksh gy, micmica, genly slty - modly ip slty, mic lamd, slty calcs - calcs, locy grdg - mdst, spity - blkly, fis - pily, sm - grty tex, ptly wind, ip dull rthy - wxy tex, frm - fri - modly hd, mic - thinly lamd, slty sidic, ptly carb, randomly oriented / biot mica flks, trs sltst strgs, trs lse v qtz grs, >5% off wh - tan arg, m pyric, lmpy ls grs, ip foss / trs of fos frags (?).

BEAVERHILL LAKE FM TOP @ 1250.00m RKB (-532.85m SS)



100% Sh: m gy - bmsh gy, micmica, genly slty, mic lamd on dkr & hdr fraction / slt ptgs, ptly v calcs grdg - shaley ls, dns, mas, locy grdg - mdst, spity - blkly, sbfis - pily, sm - grty - wxy tex, r rthy & wind, frm - modly hd, occl mic - thinly lamd, slty sidic, ip carb / dism carb specs, randomly oriented / biot mica flks, trs sltst strgs / lse qtz grs, trs dk arg ls / cht frags (?), occl pyretic / trs of lse scat gran pyr frags, trs inoc pris, occl foss.

100% Sh: m gy - bmsh gy, micmica, genly slty, mic lamd on dkr & hdr fraction / slt ptgs, ptly v calcs grdg - shaley ls, dns, mas, locy grdg - mdst, spity - blkly, sbfis - pily, sm - grty - wxy tex, r rthy & wind, frm - modly hd, occl mic - thinly lamd, slty sidic, ip carb / dism carb specs, randomly oriented / biot mica flks, trs sltst strgs / lse qtz grs, <10% off wh - tan, crpxl - trs v f xln, arg, ip pyric, lmpy ls grs ind, trs inoc pris, ip foss / trs of fos frags.

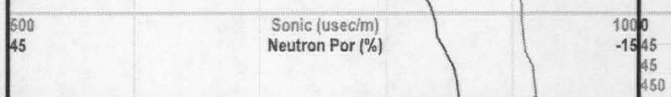
SLAVE POINT FORMATION TOP @ 1274.00m RKB (-556.85m SS)

70% Ls: off wh, mot, cmmy, frm - crpld - modly hd, lmpy - blkly, ip chky & rthy, ip arg predly crpxl - micxl / trs v f xln grs, predly mdst - pkst / wkest, ip pyric / lse scat gran pyr frags, ip bits, 3 - 5% total vis intpar & intrag - rthy - vugy por, no vis stng, no od, trs lt bm o stn, spy pale bmsh yel natural spl flor, fnt cut flor, lt bmsh yel resdl ring flor, p shw. 30% Sh: lt - m gy, dk - bmsh gy, micmica, ip slty, spity - blkly, dull rthy - wxy tex, sidic, ip carb.

100% Ls: off wh, mot, cmmy, frm - crpld - modly hd, filky - blkly, predly crpxl - micxl, ptly / f xln grs, predly wkest - mdst, ip dolc, intcls & occl biocl deb, ip pyric / trs of lse scat gran pyr frags, <10% m gy - bmsh gy, micmica, slty - modly ip slty, ind, wxy sh frags, 3 - 12% total vis scat intrd - rthy - vugy & intrag por, no vis stng, sl pet od, trs lt bm o stn, pale bmsh yel natural spl flor, fnt - strong cut flor, lt bmsh yel resdl ring flor, gas shw.

100% Ls: off wh, mot, cmmy, frm - crpld - modly hd, filky - blkly, predly crpxl - micxl, ptly / f xln grs, predly wkest - mdst, ip dolc, intcls & occl biocl deb, ip pyric / trs of lse scat gran pyr frags, <10% m gy - bmsh gy, micmica, slty - modly ip slty, ind, wxy sh frags, 3 - 12% total vis scat intrd - rthy - vugy & intrag por, no vis stng, sl pet od, trs lt bm o stn, pale bmsh yel natural spl flor, fnt - strong cut flor, lt bmsh yel resdl ring flor, gas shw.

100% Ls: off wh, mot, cmmy, frm - crpld - modly hd, filky - blkly, predly crpxl - micxl, ptly / f xln grs, predly wkest - mdst, ip dolc, intcls & occl biocl deb, ip pyric / trs of lse scat gran pyr frags, <10% m gy - bmsh gy, micmica, slty - modly ip slty, ind, wxy sh frags, 3 - 10% total vis scat intrd - rthy - vugy & intrag por, no vis stng, sl pet od, pale bmsh yel natural spl flor, fnt - strong cut flor, lt bmsh yel resdl ring flor, gas shw.



100% Ls: off wh, mot, cmmy, frm - crpld - modly hd, lmpy - blkly, predly crpxl - micxl / trs f xln grs, predly wkest - pkst deb, ip arg mdst, dns, cin & mas, intcls & occl biocl deb, ip pyric, ip dolc & anhye, trs m gy - bmsh gy, micmica, ind, wxy sh frags, 3 - 40% total vis scat intrd - rthy - vugy & intrag por, no vis stng, no od, trs lt bm o stn grs, pale bmsh yel natural spl flor, fnt - strong cut flor, v lt bmsh yel resdl ring flor, p shw.

WOB: 10
RPM: 80
SPM: 110
PP: 6100

MW: 1110
VIS: 59
pH: 10.5
WL: 6.0

FG: 204/34 units.

Svy @ 1392.0m
TVD: 1392.0m
Inc: 3.50°

Mar 01, 2010

Mar 02, 2010

FG: 216/54 units.

ROP (min/m)
Gas (units)
Gamma (API)
Calliper X (mm)
Calliper Y (mm)
SP ((mV))

Svy @ 1412.0m
TVD: 1412.0m
Inc: 3.00°

Conduct Bit Trip @ 1413m RKB.

Trip Gas : 213/39 units.

Bit# 4RR
200mm, Varel
HE18MSV
Sr.No.260256
14.3x3 Jets
In: 1413m
Out: 1450m
Bit Hrs: 7.25

FG: 260/39 units

WOB: 13.0
RPM: 93
SPM: 112
PP: 6100

MW: 1075
VIS: 86
pH: 10.5
WL: 6.0

Mar 02, 2010

Mar 03, 2010

SULPHUR POINT FM DOLTOP @ 1378.00m RKB (-660.85m SS)

100% Dol: off wh - lt brn, tan - bf, o stn, v shp dns, mas, ip micd - tetrahedral xln deb, predly wkst - pkst, predy gmy & suc, r chky, sily limy, ip arg mdst grs, sily calcic, trs calc incl, r / bits ptgs, sily anhyic / trs lse anhy grs, trs gn wxy sh incl, ip pyric / incl mic pyr nods, 5 - 16% total scat vis intrd, pp & vugy por, no vis stng, strong pet od / spty - even dk bmsh yel natural spl flor, fast gnsh yel stng cut flor, bmsh yel resd ring flor, o & gas shw.

100% Dol: off wh - lt brn, tan - bf, o stn, v shp dns, mas, ip micd - tetrahedral xln deb, predly wkst - pkst, predy gmy & suc, r chky, sily limy, ip arg mdst grs, sily calcic, trs calc incl, r / bits ptgs, sily anhyic / trs lse anhy grs, trs gn wxy sh incl, ip pyric / incl mic pyr nods, 5 - 16% total scat vis intrd, pp & vugy por, no vis stng, strong pet od / spty - even dk bmsh yel natural spl flor, fast gnsh yel stng cut flor, bmsh yel resd ring flor, o & gas shw.

100% Dol: off wh - lt brn, tan - bf, o stn, v shp dns, mas, ip micd - tetrahedral xln deb, predly wkst - pkst, predy gmy & suc, r chky, sily limy, ip arg mdst grs, sily calcic, trs calc incl, r / bits ptgs, sily anhyic / trs lse anhy grs, trs gn wxy sh incl, ip pyric / incl mic pyr nods, 5 - 14% total scat vis intrd, pp & vugy por, no vis stng, strong pet od / spty - even dk bmsh yel natural spl flor, fast gnsh yel stng cut flor, bmsh yel resd ring flor, o & gas shw.

90% Dol: off wh, crm - bf, tan, o stn, v shp micd - f xln deb, predly grst - wkst - pkst, ip gry & suc tex, sily limy, sily - v anhyic, mn arg & rthy, calcar, 3 - 8% total scat vis intrd - vugy - infrag por, mod pet od, trs lt bmsh yel natural spl flor, hazy cut flor. 10% Anhy: wh, off wh, brn - dk brn, tan, hyaline, iregly shaped, shp, pearly nods, ang crpxd / trs mixn, ip chky, ip dolc, abnt of calc incl.

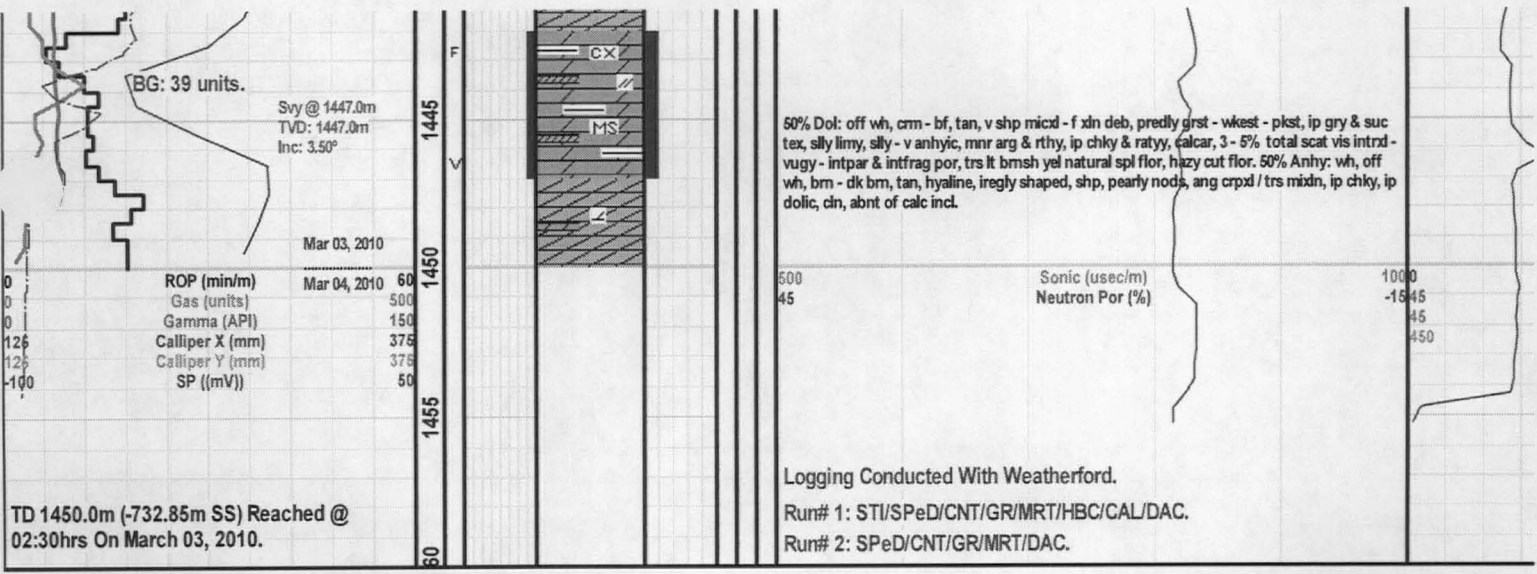
90% Dol: off wh, crm - bf, tan, o stn, v shp micd - f xln deb, predly grst - wkst - pkst, ip gry & suc tex, sily limy, sily - v anhyic, mn arg & rthy, calcar, 3 - 8% total scat vis intrd - vugy - infrag por, mod pet od, trs lt bmsh yel natural spl flor, hazy cut flor. 10% Anhy: wh, off wh, brn - dk brn, tan, hyaline, iregly shaped, shp, pearly nods, ang crpxd / trs mixn, ip chky, ip dolc, abnt of calc incl.

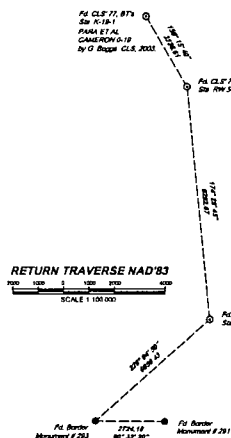
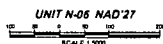
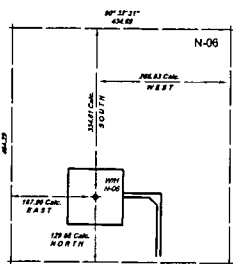
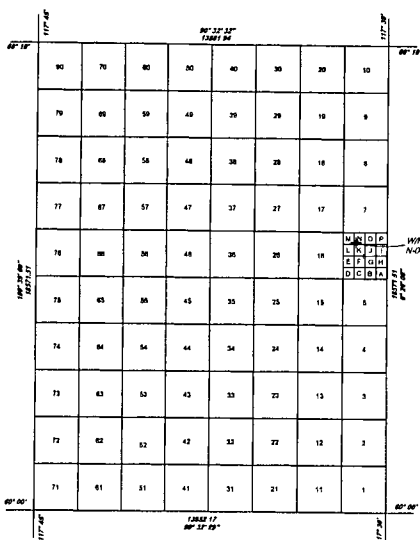
80% Dol: off wh, crm - bf, tan, v shp micd - f xln deb, predly grst - wkst - pkst, ip gry & suc tex, sily limy, sily - v anhyic, mn arg & rthy, ip chky & raty, calcar, 3 - 5% total scat vis intrd - vugy - infrag por, sl pet od, trs lt bmsh yel natural spl flor, hazy cut flor. 20% Anhy: wh, off wh, brn - dk brn, tan, hyaline, iregly shaped, shp, pearly nods, ang crpxd / trs mixn, ip chky, ip dolc, abnt of calc incl.

MUSKEG FORMATION TOP @ 1425.50m RKB (-708.35m SS)

70% Anhy: wh, off wh, brn - dk brn stn ip, hyaline, iregly shaped, shp, ang crpxd / trs mixn, dns, abnt of calc incl, ip dolc, trs of v f xln ls / abnt of bmsh gy - tan dol incl. 30% Dol: off wh, crm - bf, tan, o stn, v shp micd - f xln deb, predly grst - wkst - pkst, ip gry, pty chky, sily limy, sily - v anhyic, mn arg & rthy, calcar, 3 - 7% total scat vis intrd - vugy por, no od, no shws, no cut flor.

70% Anhy: wh, off wh, brn - dk brn stn ip, hyaline, iregly shaped, shp, ang crpxd / trs mixn, dns, abnt of calc incl, ip dolc, trs of v f xln ls / abnt of bmsh gy - tan dol incl. 30% Dol: off wh, crm - bf, tan, o stn, v shp micd - f xln deb, predly grst - wkst - pkst, ip gry, pty chky, sily limy, sily - v anhyic, mn arg & rthy, calcar, 3 - 7% total scat vis intrd - vugy por, no shw, no cut flor.

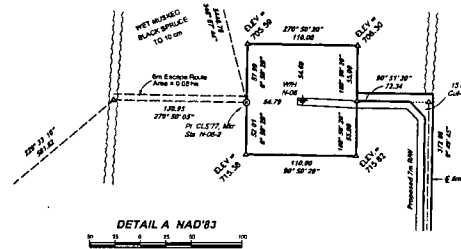




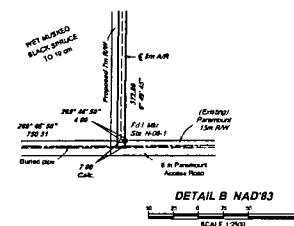
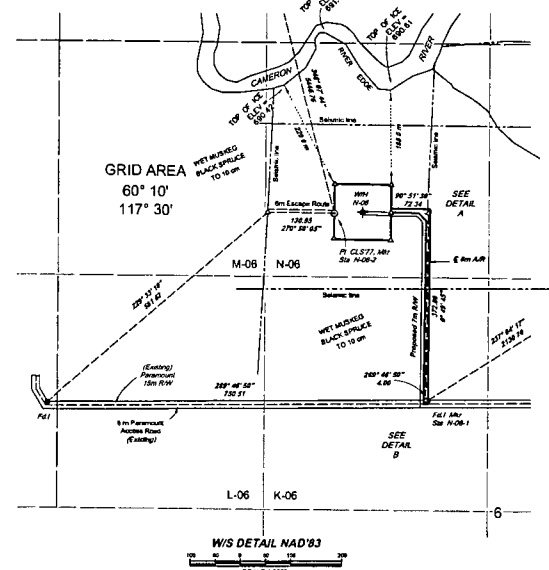
ACCESS SKETCH AND LOCATION TRAVERSE NAD'83

GEOGRAPHIC AND UTM COORDINATES - NAD '83 (Original)				
STATION	LATITUDE (N)	LONGITUDE (W)	NORTHING	EASTING
GRID AREA N-06	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
N-E	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
N-W	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
S-W	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
S-E	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
UNIT N-06	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
N-E	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
N-W	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
S-W	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
S-E	60° 10' 00.00"	117° 30' 00.00"	6868671.580	472250.852
STA N-19-1	60° 08' 39.85"	117° 32' 44.35"	6867408.02	480506.30
WELL CENTRE N-06	60° 08' 49.25"	117° 31' 13.50"	6867123.22	471056.31

WELL SITE COORDINATES SHOWN ARE BASED ON TD CLS77 POS1
STA N-19-1, WEL PLAN, CLS B, GRID BOOKS, CLS
HELD FOR VERTICAL AND HORIZONTAL CONTROL
(SEE RETURN TRAVERSE FOR COORDINATES)
FINAL COORDINATES WERE CALCULATED IN NAD83 AND CONVERTED TO
NAD27 USING NATIONAL TRANSFORMATION VERSION 2 PROGRAM



AREA REQ'D WITHIN
WELL SITE = 1.21 ha
ACCESS ROAD = 0.376 ha
TOTAL = 1.586 ha



LEGEND

Monument found (Boulder Measurements) shown thus
CLS 77 Point shown thus
Adverse Stationary Iron Post shown thus
Iron Station shown thus
Calculated Position shown thus
Distances are in metres and decimal inches
Distances are in feet and decimal inches
Distances are in feet and decimal inches

UTM coordinates are computed for Zone 11, Central Meridian 117° W
Bearings are UTM and were derived from differentially corrected GPS observations
and are referred to Meridian 117° W
Horizontal distances shown are ground distances, indicated by Contoured State Factor of 0.99984
Distances on grid area subdivisions are UTM values (NAD27)
Elevations shown are orthometric elevations based on elevation of Sta. N-19-1
and thus derived from published elevation of Boulder Measurement # 263
All dimensions shown on body of plan are based on NAD 83 Original Data
Refer to Field Book _____ for the survey report pertaining to the project.

Plan and Field Notes
of (As Built) Survey of
**PRODUCTION WELL
PARA ET AL CAMERON N-06**
within UNIT N, SECTION 06
GRID AREA 60° 10' N, 117° 30' W
NORTHWEST TERRITORIES
CANADA OIL AND GAS REGULATIONS
PRODUCTION LICENCE NO. PL#019

THIS SURVEY WAS EXECUTED BETWEEN THE
DATES OF OCTOBER 16TH, 2008 TO MARCH 26TH, 2010
BY OREG BOOKS, CLS
CERTIFIED CORRECT AND COMPLETED MAY 27, 2010

ORE Books
CLS BOOKS
CANADA LANDS SURVEYOR



Surveyed for
PARAMOUNT RESOURCES LTD.



MAILING ADDRESS:
11301 - 91 AVENUE
GRANDE PRAIRIE, AB T8V 5Z3
TELEPHONE (780) 538-3911
FAX (780) 532-1155

FIELD TICKET 12430

BILL TO: Paramont

DATE: FEB 17, 2010
ORDERED BY: Rudy
SIGNED BY: [Signature]

LOCATION	DRILLING RIG	OIL COMPANY	P.O. NO.
<u>N06-60-10-117-30</u>	<u>Precision 245</u>	<u>AFE</u>	<u>09NO10011</u>

DRILLING AND DRIVING

	SIZE	REMARKS	UNIT PRICE	AMOUNT
CONDUCTOR		<u>24" X 80'</u>		<u>BID</u>
RAT & MOUSE		<u>20" X 18' MOUSE 20" X 22' RAT</u>		<u>BID</u>
CELLAR		<u>3' X 6'</u>		<u>BID</u>
AIR HAMMER		<u>0' to 60' CLAY Rocks Permatrust</u>		
		<u>60' to 80' No Water</u>		

TRAVEL

DRILL UNIT	<u>592</u>	<u>454</u>	<u>km</u>		<u>BID</u>
SERVICE UNIT	<u>31</u>	<u>454</u>	<u>km</u>		<u>BID</u>
AIR HAMMER					

PARAMOUNT RESOURCES LTD.

WELL: N-06-60-117-30

CODE: _____

MATERIALS

CONDUCTOR PIPE	<u>16" X 80'</u>	AFE: <u>09NO10011</u>		<u>BID</u>
LINER	<u>Q</u>	FOREMAN: <u>SCOTT VETTEL</u>		
CEMENT		ATTENTION: <u>RUDY RAPATANLID</u>		
CRIB	<u>3' X 6'</u>			<u>BID</u>
STAINLINE	<u>80 Extra Cement due to had to</u>			
TEETH	<u>Run 30" because of Rock @ 2500'</u>			
POINTS	<u>Supplied By Hot Rod Billed Direct</u>			
WELDER	<u>8 EXTR Rig HRS due to No experience</u>			
	<u>And had to wait on Stand By @ 450m 3600'</u>			
	<u>on Rudy Bid Price</u>			

DRILLER: Dave
SWAMPER: Herbys Matt
UNIT: 592 & 31

SUB-TOTAL

G.S.T.

TOTAL

G.S.T. #R138086384



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/16/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 287,676

Cum Cost to Date: 287,676

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -2.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -13	Lease Condition OK	
Operation at 6am READY TO RATHOLE			

Operations Summary
MOVED THE RIG PACKAGE AND ALL RENTAL LOADS FROM F-77 TO N-06 LOCATION. RIG CREWS MAKING MINOR REPAIRS AND PERFORMING RIG MAINTENANCE. HAULED THE REMAINING VOLUME FROM THE F-77 TANK FARM AND PUT INTO STORAGE ON N-06 LOCATION

Operations Next Report Period
IF APPROVED, DRILL RATHOLE AND CONDUCTOR, HAUL DIRTY SNOW FROM F-77 TO BINS ON N-06

Remarks
ABOUT 145M3 OF DRILLING MUD AND MIX WATER IN STORAGE ON N-06 RELEASED ALL MULLEN TRUCKS EXCEPT TWO BED TRUCKS AND ONE SUPERVISOR RATHOLE RIG CREW IN CAMP ON THE READY ROAD NEEDS WORK RIG CREW AND RIG MANAGER CREW CHANGING TODAY EXPECT SITE INSPECTION FROM NEB TODAY

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title	Job Contact	Phone Mobile	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost	Mud Cum To Date	
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/16/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 287,676

Cum Cost to Date: 287,676

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -2.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS		
Date	Type	Description

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY						
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)	

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)

FORMATIONS			
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)	
Beaverhill Lake Fm	1,251.50	1,251.30	
Slave Point Fm	1,274.50	1,274.30	
Watt Mtn Fm	1,326.00	1,325.75	
Sulphur Point Fm	1,364.50	1,364.21	
Muskeg Fm	1,404.50	1,404.14	



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/17/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 24,321

Cum Cost to Date: 311,997

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -1.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00

Weather CLEAR	Temperature (°C) -13	Lease Condition
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Operation at 6am

STANDING BY FOR 08:00 RIG MOVE SAFETY MEETING

Operations Summary

STOOD BY WAITING FOR WELL LICENSE, THE RIG CREWS MADE SOME MINOR REPAIRS TO RIG EQUIPMENT
SHADOW RATHOLE CREW STOOD BY ON LOCATION

Operations Next Report Period

RIG UP ON N-06 LOCATION, RELEASE MULLEN TRUCKS

Remarks

RECEIVED VERBAL APPROVAL FROM ACTING CCO TO SPUD N-06 WELL

25L HYDRAULIC SPILL OFF THE DRAWWORKS HYDRAULIC TANK, SPILL CONTAINED LAST NIGHT, CANNOT BE CLEANED UNTIL RIG MOVE IS COMMENCED AND CARRIER IS MOVED

RIG AND CAMP SIGHT INSPECTED BY THE NEB YESTERDAY, INSPECTION WENT WELL

CONDUCTOR SET, READY FOR MORNING MOVE

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
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DAILY CONTACTS

Title	Job Contact	Phone Mobile
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00	Other	WAIT ON WELL LICENCE
08:00	16:00	8.00	16.00	Other	WAIT ON WELL LICENCE
16:00	00:00	8.00	24.00	Other	WAIT ON WELL LICENCE, COMMENCED DRILL OF RAT HOLE @ 18:30 HRS

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 420	Mud Cum To Date 420		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CAL CARB 'O'	11.36	37.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)
1	63.5	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pump Number	Rod Diameter (mm)	Pump Rating (kW)
2	63.5	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/17/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 24,321

Cum Cost to Date: 311,997

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -1.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
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BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date 2/18/2010	Type Safety Meeting	Description SPOTTING BUILDINGS
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SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



Paramount
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Daily Drilling

Well Name: **PARA ET AL CAMERON N-06**

Business Unit: **NE BC & NWT COU**

Rig: **245 PRECISION DRILLING, DIV OF PDC**

Report For: **2/18/2010**

Report #: **3.0**

Depth Progress:

Total AFE Amount: **1,796,208.00**

AFE Number: **09N010011**

Daily Cost: **112,761**

Cum Cost to Date: **424,758**

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -0.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -20	Lease Condition FROZEN DIRT	
Operation at 6am NIPPLING UP DIVERTER			
Operations Summary HELD PRE JOB MEETING @ 08:00, SET UP THE DRILLING RIG, TRUCKS RELEASED AT 14:30 HOURS. CREWS STARTED RIG UP AND HAD DERRICK RAISED @ 17:30 HOURS			
Operations Next Report Period PREP RIG TO SPUD, WILL SHUT DOWN OPERATIONS AND CLEAN SPILL IN DAYLIGHT, SPUD N-06 WELL			
Remarks RIG MOVE WENT WELL, NO INCIDENTS OR EQUIPMENT DAMAGE WELDING UNIT WENT DOWN, HAD TO CALL OUT SECOND WELDER TO INSTALL DIVERTER FLANGE RECORDED A DRILLING MUD SPILL 2M3,REPORTED TO FIELD ENVIRONMENTAL COORDINATOR			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00	Other	DRILL RATHOLE AND CONDUCTOR, WAIT ON DAYLIGHT FOR RIG MOVE
08:00	08:15	0.25	8.25	Safety meeting	SAFETY MEETING WITH MULLEN TRUCKING
08:15	15:30	7.25	15.50	Spot rig/loads/build...	SPOT RIG/LOADS/BUILDINGS, THIRD PARTY EQUIPMENT
15:30	16:00	0.50	16.00	Rig up	RIG UP, PREPARE DERRICK FOR RAISING
16:00	17:30	1.50	17.50	Rig up	CONT RIG UP TO SPUD
17:30	18:00	0.50	18.00	Pre-job safety	PRE-JOB SAFETY ON RAISING DERRICK & RAISE DERRICK. DERRICK RAISED @ 17:30HRS
18:00	18:15	0.25	18.25	Safety meeting	SAFETY MEETING HAND OVER
18:15	23:00	4.75	23.00	Rig up	RIG UP PRIOR TO SPUD
23:00	23:15	0.25	23.25	Safety meeting	SAFETY MEETING WITH WELDER PRIOR TO WELDING ON FLANGE
23:15	00:00	0.75	24.00	W/O Welder	RIG UP MUD PUMPS, PREP BHA, PUT SCREENS ON THE DRYER

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost	Mud Cum To Date 420		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)



Paramount
resources ltd.

Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/18/2010

Report #: 3.0

Depth Progress:

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 112,761

Cum Cost to Date: 424,758

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: -0.65 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD PUMPS			
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS		
Date	Type	Description
2/18/2010	Safety Meeting	RAISE DERRICK
2/19/2010	Safety Meeting	PROPER BOILER BLOWDOWN PROCEDURES

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m ³)	P (LO) (kPa)

SURVEY DATA							
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)
							DLS (°30m)

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/19/2010

Report #: 4.0

Depth Progress: 31.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 44,036

Cum Cost to Date: 468,795

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 0.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB) 0.5	Depth End (mKB) 31.5	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -18	Lease Condition FROZEN DIRT	

Operation at 6am
DRILLING AHEAD @ 98M

Operations Summary
COMPLETED DIVERTER NIPPLE UP
COMPLETED RIG UP AND NECESSARY TASKS PRIOR TO SPUD
HELD HAZARD HUNT, RIG INSPECTION AND PRE-SPUD MEETING WITH BOTH CREWS
SPUDED THE WELL @ 15:30HRS
DRILLED FROM 25M TO 43M

Operations Next Report Period
DRILL AHEAD

Remarks
MUD SPILL OF 90L IN SUBSTRUCTURE, MOST OF THE MUD @ PLASTIC IN SUB, USED VACCUM TRUCK TO CLEAN SPILL

SPENT ONE HOUR CLEANING THE MUD SPILL ON LOCATION AND ONE ADDITIONAL HOUR FIXING LEAKS AND CHANGING HYDRAULIC HOSES ON THE RIG LOADER

SPENT SEVERAL HOURS DRILLING FROM 38M TO 43M, MASSIVE BOULDER AND SAND CAUSED ISSUE, SEEMED TO BE CHASING THE BOULDER DOWN AS WE WASHED THE SAND OUT

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS		
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	02:15	2.25	2.25	W/O Welder	W/O WELDER, CONTINUE TO WELD ON FLANGE AND DRAIN VALVE
02:15	06:00	3.75	6.00	Nipple up/down diverter system	NIPPLE UP DIVERTER SYSTEM, LAY OUT AND HAMMER UP DEGASSER LINE, AND FLARE STACK
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	08:00	1.75	8.00	Rig up	CONTINUE RIG UP PRIOR TO SPUDING
08:00	10:00	2.00	10.00	Rig up	CONT RIG UP DIVERTER HOOK UP FLARE TANK AND DEGASSER LINE. STRAP B.H.A SET UP DRYER.
10:00	11:00	1.00	11.00	Other	OTHER CLEAN UP BARITE SPILL & CALCIUM ON GROUND BROKEN SACK.
11:00	12:15	1.25	12.25	Pick up BHA	PICK UP BHA MAKE UP BIT & RUN IN TAG CEMENT @25 M
12:15	12:30	0.25	12.50	Rig Service	RIG SERVICE
12:30	12:45	0.25	12.75	Safety meeting	PRE SPUD SAFETY MEETING & DIVERTER DRILL PRIOR TO SPUD .
12:45	13:30	0.75	13.50	Test diverter	FUNCTION TEST DIVERTER ,& ACCUMULATOR CHECK PRESS AT START ,20,000kpa, PRESS AFTER 2 TEST , 12,000kpa, LOST 8,000kpa , TIME TO RECHARGE 55 SEC , PRECHARGE 6,500kpa N2 BOTTLES- 3 X 17,500kpa, FT/MOTOR KILLS O.K.
13:30	14:30	1.00	14.50	Safety stand-down	SHUT DOWN AND REPAIR RIG LOADER, HYDRAULICS NEEDED ATTENTION
14:30	15:00	0.50	15.00	Safety meeting	CONDUCTED RIG INSPECTION AND HAZARD HUNT
15:00	15:15	0.25	15.25	Safety meeting	HELD PRE SPUD MEETING WITH RIG CREWS, RIG MNGR, CENTRIFUGE HAND, MUD ENGINEER AND DRILLING FOREMAN
15:15	15:30	0.25	15.50	Condition mud & circulate	CIRCULATE AND CHECK SYSTEM
15:30	16:00	0.50	16.00	Drill	SPUD 311mm HOLE FROM 25M TO 31M(well spudded @ 15:30hrs)
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION DIVERTER 18 SEC TO CLOSE
16:15	18:00	1.75	18.00	Drill	DRILL FROM 31 M TO 38M



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/19/2010

Report #: 4.0

Depth Progress: 31.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 44,036

Cum Cost to Date: 468,795

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 0.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
18:00	18:15	0.25	18.25	Safety meeting	HANDOVER SAFETY MEETING
18:15	00:00	5.75	24.00	Drill	DRILL FROM 38M 43M (SAND AND ROCK)

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m²)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,199	Mud Cum To Date 1,619		
Depth (mKB) 43.50	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 45	pH 8.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MTL SHURE SHALE	195.51	5.0
HYPERDRILLAF247RD	221.55	1.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)
1	63.5	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 69
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 95
Pump Number	Rod Diameter (mm)	Pump Rating (kW)
2	63.5	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 1RR	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 2536258	IADC Codes 4-1-7-X
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 0.50	Depth Out (mKB) 377.50	Depth Drilled (m) 636.50	Drilling Time (hrs) 27.86	BHA ROP (m/hr) 22.8	IADC Bit Dull 3-3-WT-S-3-1-SD-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			7	149.39	344.95
HWD(4.0 IN)	68.0	135.0	6	55.46	195.56
X/O	58.0	158.0	1	0.27	140.10
DC (6.25 IN)	58.0	158.0	8	73.35	139.83
JARS-HYD	58.0	158.0	1	5.30	66.48
PONY DC	58.0	158.0	1	4.62	61.18
DC (6.25 IN)	58.0	158.0	6	54.79	56.56
BELL SUB	0.6	158.0	1	0.76	1.77
BIT SUB	58.0	203.0	1	0.71	1.01

DRILLING SUMMARY

Depth Start (mKB) 0.50	Depth End (mKB) 31.50	ROP Instantaneous (min/m) 2,000	Weight on Bit (daN) 80	Drilling Torque Slack-Off Hook Load (daN)	Flow Rate (m³/min)	dP (SPP) (kPa) 0.50
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80				

SAFETY CHECKS

Date	Type	Description
2/19/2010	Safety Meeting	SPILL PREVENTION
2/19/2010	Safety Meeting	WEARING ALL PPE



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/19/2010

Report #: 4.0

Depth Progress: 31.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 44,036

Cum Cost to Date: 468,795

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 0.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY CHECKS

Date	Type	Description
2/20/2010	Safety Meeting	DRIVING

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/20/2010

Report #: 5.0

Depth Progress: 264.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 36,550

Cum Cost to Date: 505,344

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 1.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations							
Depth Start (mKB) 38.5		Depth End (mKB) 302.5		Target Formation Sulphur Point		Target Depth (mKB) 1,438.00	
Weather CLEAR		Temperature (°C) -10		Lease Condition FROZEN DIRT			
Operation at 6am CIRCULATING PRIOR TO WIPER TRIP							
Operations Summary DRILLED FROM 38M TO 302M DRILLED SAND FROM 38M TO 197M							
Operations Next Report Period WIPER TRIP, DRILL TO TD, RUN CASING AND CEMENT							
Remarks SHALE DRYER WORKED WELL ON SURFACE HOLE NO INCIDENTS,SPILLS OR ACCIDENTS HAULING CUTTINGS TO SUMP TODAY							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	
Head Count		Personnel Total Hours (hrs)			Cum Personnel Total Hours (hrs)		

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION HYDRIL FOR DEVERTER CLOSED IN 13SEC
00:15	03:45	3.50	3.75	Drill	DRILL FROM 38M TO 79M
03:45	04:00	0.25	4.00	Deviation survey	DEVIATION SURVEY
04:00	06:00	2.00	6.00	Drill	DRILL FROM 79M TO 98M
06:00	06:15	0.25	6.25	Safety meeting	HANDOVER SAFETY MEETING
06:15	08:00	1.75	8.00	Drill	DRILL FROM 98M TO 113M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION DIVERTER 18 SEC TO CLOSE
08:15	15:15	7.00	15.25	Drill	DRILL FROM 113 M TO 197M
15:15	16:00	0.75	16.00	Deviation survey	DEVIATION SURVEY ACCUM TIME
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION DIVERTER 17 SEC TO CLOSE
16:15	18:00	1.75	18.00	Drill	DRILL FROM 197 M TO 218M
18:00	18:15	0.25	18.25	Safety meeting	HANDOVER SAFETY MEETING
18:15	18:30	0.25	18.50	Deviation survey	DEVIATION SURVEY @ 199 M 0DEG.
18:30	18:45	0.25	18.75	Drills/BOP, etc.	DIVERTER DRILL, MEN IN POSITION IN 72SEC.
18:45	21:15	2.50	21.25	Drill	DRILL FROM 218M TO 266M
21:15	21:30	0.25	21.50	Deviation survey	DEVIATION SURVEY @ 236M .5 DEG.
21:30	23:15	1.75	23.25	Drill	DRILL FROM 266M TO 294M
23:15	23:30	0.25	23.50	Deviation survey	DEVIATION SURVEY @ 262M
23:30	00:00	0.50	24.00	Drill	DRILL 294M TO 302M

MUD CHECKS						
Low Gravity Solids (%) 2.5	MBT (kg/m³) 10	Oil Water Ratio	Chlorides (mg/L) 900	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%) 2.5	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 3,784	Mud Cum To Date 5,403	
Depth (mKB) 302.50	Density (kg/m³) 1100.0	Funnel Viscosity (s/L) 52	pH 8.0	PV Override (cp)	YP Override (Pa)	



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/20/2010

Report #: 5.0

Depth Progress: 264.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 36,550

Cum Cost to Date: 505,344

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 1.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
KELZAN	522.35	3.0
CELLOPHANE	72.40	4.0
GEL	14.69	10.0
KWIKSEAL	34.01	14.0
SAWDUST	6.53	40.0
MTL SHURE SHALE	195.51	5.0
SAWDUST	6.53	10.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 340	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 550	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 550	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 400	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 600	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 600	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)

BIT SUMMARY							
Bit Run 1RR	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 2536258	IADC Codes 4-1-7-X	
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 0.50	Depth Out (mKB) 377.50	Depth Drilled (m) 636.50	Drilling Time (hrs) 27.86	BHA ROP (m/hr) 22.8	IADC Bit Dull 3-3-WT-S-3-1-SD-...	

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	
Drill pipe - Stands			7	149.39	344.95	
HWDP(4.0 IN)	68.0	135.0	6	55.46	195.56	
X/O	58.0	158.0	1	0.27	140.10	
DC (6.25 IN)	58.0	158.0	8	73.35	139.83	
JARS-HYD	58.0	158.0	1	5.30	66.48	
PONY DC	58.0	158.0	1	4.62	61.18	
DC (6.25 IN)	58.0	158.0	6	54.79	56.56	
BELL SUB	0.6	158.0	1	0.76	1.77	
BIT SUB	58.0	203.0	1	0.71	1.01	

DRILLING SUMMARY							
Depth Start (mKB) 38.50	Depth End (mKB) 113.50	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)	
RPM (rpm) 110	Motor RPM (rpm)	Bit RPM (rpm)	110	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 113.50	Depth End (mKB) 197.50	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)	
RPM (rpm) 140	Motor RPM (rpm)	Bit RPM (rpm)	140	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		
Depth Start (mKB) 197.50	Depth End (mKB) 302.50	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)	
RPM (rpm) 150	Motor RPM (rpm)	Bit RPM (rpm)	150	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.50		

SAFETY CHECKS		
Date	Type	Description
2/20/2010	Safety Meeting	LOADER DRIVING
2/20/2010	Safety Meeting	DIVERTER DRILL
2/21/2010	Safety Meeting	WIPER TRIP



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/20/2010

Report #: 5.0

Depth Progress: 264.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 36,550

Cum Cost to Date: 505,344

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 1.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA									
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)	
2/20/2010	142.50	0.50	0.00	142.50	0.51	0.00	0.51	0.00	0.00
2/20/2010	170.50	0.50	0.00	170.50	0.75	0.00	0.75	0.00	0.00
2/20/2010	199.50	0.00	0.00	199.50	0.88	0.00	0.88	0.52	
2/20/2010	236.50	0.50	0.00	236.50	1.04	0.00	1.04	0.41	
2/20/2010	262.50	0.50	0.00	262.49	1.27	0.00	1.27	0.00	

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/21/2010

Report #: 6.0

Depth Progress: 60.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 39,222

Cum Cost to Date: 544,566

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30		Rig Release Date 3/5/2010 11:59:00 PM	DFS: 2.35 days
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations				
Depth Start (mKB) 302.0		Depth End (mKB) 362.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR		Temperature (°C) -15	Lease Condition FROZEN DIRT	
Operation at 6am REAMING @ 100M				
Operations Summary DRILLED FROM 302M TO 362M DURING WIPER TRIPPED TO SURFACE CHANGED OUT 311MM DRILL BIT REAMED AND WORKED ON BOULDER				
Operations Next Report Period FINISH CLEANING UP OF THE HOLE,RUN CASING AND CEMENT				
Remarks HOLE TIGHT ESPECIALLY FROM 40-60M. THE LARGE BOLDER WE HAD ISSUES WITH WHEN INITIALLY DRILLING THE WELL WAS IMPEDING MOVEMENT BOTH UP AND DOWN. SPENT CONSIDERABLE TIME REAMING AND TRYING TO BREAK UP THE BOULDER. WE SEEM TO BE PUSHING IT DOWN AS WE WASH THE SAND OUT FROM AROUND IT. THE SLOUGHING SAND ALSO CASING ISSUES, CANNOT GET DOWN WITH OUT PUMP OR ROTARY				
Avg Connection Gas (Units)		Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count		Personnel Total Hours (hrs)		Cum Personnel Total Hours (hrs)

DAILY CONTACTS		
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE, FUNCTION DIVERTER CLOSED IN 13SEC
00:15	01:45	1.50	1.75	Drill	DRILL FROM 302M TO 323M
01:45	02:00	0.25	2.00	Deviation survey	DEVIATION SURVEY @295M /5 DEVIATION
02:00	04:45	2.75	4.75	Drill	DRILL FROM 295M TO 362M
04:45	05:30	0.75	5.50	Level rig	LEVEL RIG
05:30	06:00	0.50	6.00	Condition mud & circulate	CONDITION MUD & CIRCULATE
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	07:00	0.75	7.00	Condition mud & circulate	CONDITION MUD & CIRCULATE & WORK PIPE.
07:00	08:00	1.00	8.00	Trip out of hole	BLOW KELLY WIPER TRIPTRIP OUT OF HOLE STRAP OUT,
08:00	10:00	2.00	10.00	Trip out of hole	CONT WIPER TRIP OUT OF HOLE , STRAP OUT ,work tight spot @198m,185,179,m STRAP 361.19 BOARD 361.69 DIFF .50 NO CORRECTION.
10:00	13:00	3.00	13.00	Reaming	REAMING from 40 M TO 44M
13:00	14:00	1.00	14.00	Lay down BHA	LAY DOWN BHA 2 8 /BIT SUB ,BELL SUB/ TELEDRIFT
14:00	14:15	0.25	14.25	Rig Service	RIG SERVICE FUNCTION DIVERTER 18 SEC TO CLOSE
14:15	14:45	0.50	14.75	Trip in hole	TRIP IN HOLE WITH BIT # 2 A
14:45	16:00	1.25	16.00	Reaming	REAMING FROM 41 M TO 50 M
16:00	18:00	2.00	18.00	Reaming	CONT REAMING FROM 41 M TO 50M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	22:45	4.50	22.75	Reaming	CONT. REAMING FROM 50M TO 68M
22:45	23:00	0.25	23.00	Rig Service	RIG SERVICE
23:00	00:00	1.00	24.00	Reaming	CONT. REAMING @ 68M HOLE IS UNLOADING SAND AND FINE GRAVEL



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/21/2010

Report #: 6.0

Depth Progress: 60.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 39,222

Cum Cost to Date: 544,566

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 2.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,772	Mud Cum To Date 7,175		
Depth (mKB) 65.00	Density (kg/m³) 1115.0	Funnel Viscosity (s/L) 51	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM A-1103D	211.93	1.0
MF-VIS	500.41	1.0
DETERGENT	62.35	1.0
HYPERDRILLAF247RD	221.55	2.0
MTL SHURE SHALE	195.51	2.0
SAWDUST	6.53	25.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 1,995	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 120
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 110
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 2,100	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa) 786	Slow Speed Check? Yes	Strokes (spm) 70

BIT SUMMARY

Bit Run 1RR	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 2536258	IADC Codes 4-1-7-X
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 0.50	Depth Out (mKB) 377.50	Depth Drilled (m) 636.50	Drilling Time (hrs) 27.86	BHA ROP (m/hr) 22.8	IADC Bit Dull 3-3-WT-S-3-1-SD-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			7	149.39	344.95
HWDP (4.0 IN)	68.0	135.0	6	55.46	195.56
X/O	58.0	158.0	1	0.27	140.10
DC (6.25 IN)	58.0	158.0	8	73.35	139.83
JARS-HYD	58.0	158.0	1	5.30	66.48
PONY DC	58.0	158.0	1	4.62	61.18
DC (6.25 IN)	58.0	158.0	6	54.79	56.56
BELL SUB	0.6	158.0	1	0.76	1.77
BIT SUB	58.0	203.0	1	0.71	1.01

DRILLING SUMMARY

Depth Start (mKB) 302.00	Depth End (mKB) 362.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 130	Motor RPM (rpm)	Bit RPM (rpm) 130	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.25		

SAFETY CHECKS

Date	Type	Description
2/21/2010	Safety Meeting	TRIPPING.
2/21/2010	Safety Meeting	REAMING
2/22/2010	Safety Meeting	REAMING



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/21/2010

Report #: 6.0

Depth Progress: 60.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 39,222

Cum Cost to Date: 544,566

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 2.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/21/2010	295.00	0.50	0.00	294.99	1.55	0.00	1.55	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/22/2010

Report #: 7.0

Depth Progress: 15.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 58,539

Cum Cost to Date: 603,106

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 3.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB) 362.0	Depth End (mKB) 377.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -16	Lease Condition FROZEN DIRT	

Operation at 6am

CIRCULATING ON BOTTOM (REPAIRING FLOOR MOTOR)

Operations Summary

REAMED BOULDERS THROUGH SAND SECTION
WASHED AND REAMED THROUGH SLOUGHING HOLE
DRILLED FROM 362M TO TD @ 377.5M
WIPER TRIPPED OUT

Operations Next Report Period

TRIP OUT REAMING ASSEMBLY, RUN CASING AND CEMENT

Remarks

HAD TO WASH AND REAM SEVERAL TIMES WHILE RUNNING IN
MUD IN GOOD SHAPE, HOLE CONSTANTLY UNLOADING
4M OF SOLID FILL ON BOTTOM

HAULED 10 LOADS OF CUTTINGS TO THE SUMP

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	04:00	4.00	4.00	Reaming	REAMING FROM 68M TO 87M
04:00	05:15	1.25	5.25	Lay down BHA	LAY DOWN BHA(LAY OUT COLLARS OUT OF DERRICK)
05:15	06:00	0.75	6.00	Reaming	REAMING FROM 87M TO 106
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	07:00	0.75	7.00	Reaming	REAMING FROM 103 TO 117M
07:00	08:00	1.00	8.00	Lay down BHA	LAY DOWN BHA 6DC RACK 4 IN DERRICK
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION H.C.R WHEN OUT OF HOLE
08:15	09:00	0.75	9.00	Lay down BHA	LAY DOWN BHA
09:00	10:15	1.25	10.25	Pick up BHA	PICK UP NEW BHA & RUN IN HOLE TO 82 M
10:15	14:00	3.75	14.00	Ream & open hole	REAM - OPEN HOLE FROM 82 M TO 200M/BRIDGE OFF @166M 190M 254M
14:00	14:45	0.75	14.75	Trip in hole	TRIP IN HOLE ACCUM TIME
14:45	16:00	1.25	16.00	Circulate And Condition	CIRCULATE AND CLEAN TO BTM FROM 330 TO 362 M
16:00	17:45	1.75	17.75	Drill	DRILL FROM 362 TO 377M
17:45	18:00	0.25	18.00	Condition mud & circulate	CONDITION MUD & CIRCULATE @T.D
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	19:45	1.50	19.75	Condition mud & circulate	CONDITION MUD & CIRCULATE @T.D
19:45	20:00	0.25	20.00	Deviation survey	DEVIATION SURVEY @371M(WIRELINE, AND BLOW KELLY)
20:00	20:45	0.75	20.75	Trip out of hole	TRIP OUT OF HOLE, PULLED OUT 5 SINGLES, IT PULLED TIGHT, RUN BACK TO BOTTOM CIRC. AND CONDITION MUD
20:45	21:15	0.50	21.25	Condition mud & circulate	CONDITION MUD & CIRCULATE
21:15	21:30	0.25	21.50	Rig Service	RIG SERVICE



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/22/2010

Report #: 7.0

Depth Progress: 15.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 58,539

Cum Cost to Date: 603,106

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 3.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
21:30	22:30	1.00	22.50	Condition mud & circulate	CONDITION MUD & CIRCULATE
22:30	22:45	0.25	22.75	Other	BLOW KELLY
22:45	00:00	1.25	24.00	Trip out of hole	TRIP OUT OF HOLE

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 4,564	Mud Cum To Date 11,739		
Depth (mKB) 377.00	Density (kg/m³) 1100.0	Funnel Viscosity (s/L) 56	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DRISPAC PLUS REGULAR	261.75	3.0
STARDRILL	146.16	6.0
HYPERDRILLAF247RD	221.55	1.0
MF-VIS	500.41	1.0
CALCIUM NITRATE	43.63	3.0
SAWDUST	6.53	5.0
CAL CARB 'O'	11.36	9.0
DETERGENT	62.35	1.0
DRISPAC PLUS REGULAR	261.75	1.0
MF-VIS	500.41	2.0
SAWDUST	6.53	25.0
GEL	14.69	29.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 120
Pressure (kPa) 1,605	Slow Speed Check? Yes	Strokes (spm) 70
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 2,224	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85
Pressure (kPa) 1,602	Slow Speed Check? Yes	Strokes (spm) 70

BIT SUMMARY

Bit Run 1RR	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 2536258	IADC Codes 4-1-7-X
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 0.50	Depth Out (mKB) 377.50	Depth Drilled (m) 636.50	Drilling Time (hrs) 27.86	BHA ROP (m/hr) 22.8	IADC Bit Dull 3-3-WT-S-3-1-SD-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			7	149.39	344.95
HWDP(4.0 IN)	68.0	135.0	6	55.46	195.56
X/O	58.0	158.0	1	0.27	140.10
DC (6.25 IN)	58.0	158.0	8	73.35	139.83
JARS-HYD	58.0	158.0	1	5.30	66.48



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/22/2010

Report #: 7.0

Depth Progress: 15.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 58,539

Cum Cost to Date: 603,106

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 3.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
PONY DC	58.0	158.0	1	4.62	61.18
DC (6.25 IN)	58.0	158.0	6	54.79	56.56
BELL SUB	0.6	158.0	1	0.76	1.77
BIT SUB	58.0	203.0	1	0.71	1.01

DRILLING SUMMARY

Depth Start (mKB) 96.00	Depth End (mKB) 377.50	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 110	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.36		

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 2536258	IADC Codes 4-1-7-X
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 362.00	Depth Out (mKB) 377.00	Depth Drilled (m) 15.00	Drilling Time (hrs) 1.75	BHA ROP (m/hr) 8.6	IADC Bit Dull 2-2-LT-N-1-1-NO-TD

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			9	172.20	370.61
HWD(4.0 IN)	68.0	135.0	6	55.46	198.41
X/O	58.0	158.0	1	0.27	142.95
DC (6.25 IN)	58.0	158.0	8	73.35	142.68
JARS-HYD	58.0	158.0	1	5.30	69.33
PONY DC	58.0	158.0	1	4.62	64.03
DC (6.25 IN)	58.0	158.0	6	54.79	59.41
BELL SUB	0.6	158.0	1	0.76	4.62
BIT SUB	58.0	203.0	1	0.71	3.86
REAMR-3 PT ROLLR	0.7	203.0	1	2.85	3.15

DRILLING SUMMARY

Depth Start (mKB) 362.00	Depth End (mKB) 377.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 140	Motor RPM (rpm)	Bit RPM (rpm) 140	Slack-Off Hook Load (daN)	Drilling Time (hrs) 1.75		

SAFETY CHECKS

Date	Type	Description
2/22/2010	Safety Meeting	TRIPPING
2/22/2010	Safety Meeting	WIPER TRIP TO BIT.
2/23/2010	Safety Meeting	TRIPPING

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/22/2010	371.00	0.10	0.00	370.99	1.95	0.00	1.95	0.16

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/23/2010

Report #: 8.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 116,226

Cum Cost to Date: 719,332

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM		DFS: 4.35 days
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
377.0	377.0	Sulphur Point	1,438.00
Weather	Temperature (°C)	Lease Condition	
CLEAR	-16	OK	
Operation at 6am			
COMPLETING CEMENT JOB			

Operations Summary
 WIPER TRIPED WITH REAMER, WASHED AND REAMED @ SEVEN DIFFERENT DEPTHS
 TRIPED OUT LAYED OUT REAMER, PULLING TIGHT @ 119M
 RAN BACK TO BOTTOM SLICK, CIRCULATED AND TRIPPED OUT WITH MINIMAL HOLE DRAG
 RIG UP TO AND RAN CASING, HAD TO WORK THROUGH TIGHT SPOT @ 40M THE REST OF THE CASING WENT IN WITH EASE
 NOTE 6.7M OF FILL CASING LANDED @ 371.6M

Operations Next Report Period
 WOC 6HRS, CUT CASING, RIG OUT DIVERTER NIPPLE UP AND PRESSURE TEST

Remarks
 CASING SLIPS AND ELEVATORS.SIDE DOOR AOT 8 5/8" SLX-65 TON ELEVATOR SERIAL # 32604, TOTAL DEPTH POWER TONGS

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title	Job Contact <Contact Name?>	Phone Mobile	
Title	Job Contact <Contact Name?>	Phone Mobile	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:45	0.75	0.75	Trip out of hole	TRIP OUT OF HOLE WITH PIPE SPINNER
00:45	04:30	3.75	4.50	Trip in hole	TRIP IN HOLE WITH PIPE SPINNER PICK UP KELLY @ 250M TO 268M, 288M TO 296M, 315M TO 334M, 36M TO 377.5M
04:30	05:15	0.75	5.25	Condition mud & circulate	CONDITION MUD & CIRCULATE
05:15	05:30	0.25	5.50	Other	BLOW KELLY GET FLOOR READY TO TRIP
05:30	05:45	0.25	5.75	Rig Service	RIG SERVICE FUNCTION ANNULAR 17 SEC C
05:45	06:00	0.25	6.00	Safety meeting	HAND OVER SAFETY MEETING
06:00	07:00	1.00	7.00	Rig Repair	RIG REPAIR WORK ON CHANGING FAN HUB.
07:00	08:00	1.00	8.00	Trip out of hole	BLOW KELLY & TRIP OUT OF HOLE TO RUN CASING
08:00	09:00	1.00	9.00	Trip out of hole	TRIP OUT OF HOLE SLOW USE PIPE SPINNER TRIP VOL CAL/3.36 ACT 3.89 DIFF .53
09:00	11:00	2.00	11.00	Other	WORK PIPE TIGHT AT /239/198/122/ M PICK UP KELLY AND CIRC THROUGH TIGHT SPOT
11:00	12:00	1.00	12.00	Trip out of hole	CONT TRIP OUT OF HOLE SLOW USING PIPE SPINNER.
12:00	12:45	0.75	12.75	Lay down BHA	LAY DOWN BHA, REAMER . CLEAN BIT .
12:45	14:30	1.75	14.50	Trip in hole	MAKE UP BIT TRIP IN HOLE WITH BIT. PICK UP KELLY & CLEAN HOLE @ 274M,
14:30	15:00	0.50	15.00	Trip in hole	FINISH TRIP IN HOLE
15:00	15:30	0.50	15.50	Circulate And Condition	CIRCULATE AND CLEAN TO BTM FROM 350M TO 377M
15:30	16:00	0.50	16.00	Condition mud & circulate	CONDITION MUD & CIRCULATE @ T.D
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION ANNULAR 17 SEC CLOSE
16:15	18:00	1.75	18.00	Trip out of hole	BLOW KELLY TRIP OUT OF HOLE SLOW USING PIPE SPINNER ,TRIP VOL MEASURED ,3.33m3 CAL ,
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	18:45	0.50	18.75	Trip out of hole	TRIP OUT OF HOLE, FINISH TRIP BRAKE BIT OF, CLEAN FLOOR PRIOR TO RIGGING IN TONG HAND



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/23/2010

Report #: 8.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 116,226

Cum Cost to Date: 719,332

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 4.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
18:45	19:00	0.25	19.00	Safety meeting	SAFETY MEETING WITH TONG HAND
19:00	23:00	4.00	23.00	Run casing	RIG TO AND RUN CASING
23:00	00:00	1.00	24.00	Condition mud & circulate	CONDITION MUD & CIRCULATE (6M OF FILL HAD TO FEATHER PUMP IN AND OUT)

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,520	Mud Cum To Date 13,259		
Depth (mKB)	Density (kg/m³) 1120.0	Funnel Viscosity (s/L) 60	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MF-VIS	500.41	2.0
SAWDUST	6.53	3.0
GEL	14.69	34.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 1,483	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 1,100	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 254	Slow Speed Check? Yes	Strokes (spm) 70
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 1,431	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85
Pressure (kPa) 259	Slow Speed Check? Yes	Strokes (spm) 70

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
2/23/2010	Safety Meeting	TRIP AND LAY DOWN B.H.A.
2/23/2010	Safety Meeting	RUN CASING
2/24/2010	Safety Meeting	CEMENTING

SAFETY INCIDENTS

Date	Comment	Type
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/23/2010

Report #: 8.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 116,226

Cum Cost to Date: 719,332

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 4.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/24/2010

Report #: 9.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 35,016

Cum Cost to Date: 754,347

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 5.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations

Depth Start (mKB) 377.0	Depth End (mKB) 377.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather LIGHT SNOW	Temperature (°C) -16	Lease Condition GOOD	

Operation at 6am

PRESSURE TESTING

Operations Summary

CEMENTED 219MM CASING WITH 38t OF 0-1-0 G, DENSITY = 1901KG/M3. VOLUME PUMPED = 28.9M3, 22 DEG WATER WITH 1.5% OF CACL2 (PREBLEND) BLUG DOWN @ 06:24 HRS, BUMPED @ 7MPA, FLOATS HELD OK. PRE-FLUSH NOTED AT SURFACE, BUT NO CEMENT RETURNS. PRESSURE TESTED SURFACE CASING TO 16,00KPA TEST HELD FOR 10MIN. WOC 6 HRS, CLEANED MUD TANKS AND STRIPPED MUD DURING THIS TIME. MIXED 18 BAGS OF G CEMENT AND TOPPED UP ANNULUS BETWEEN 406MM CONDUCTOR AND 219MM CASING. NIPPLED DOWN DIVERTER, CUT CASING AND NIPPLED UP BOP'S.

Operations Next Report Period

COMPLETE PRESSURE TEST, PRE-SPUD, RIG CHECK, DRILL OUT

Remarks

INSTALLED CASING BOWL AND TESTED WITH NITROGEN TO 7000KPA. SWITCHED THE LOCATION OF THE CASING AND BLIND RAMS.

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	02:30	2.50	2.50	Condition mud & circulate	CONDITION MUD & CIRCULATE
02:30	02:45	0.25	2.75	Rig Service	RIG SERVICE
02:45	04:45	2.00	4.75	Condition mud & circulate	CONDITION MUD & CIRCULATE
04:45	05:00	0.25	5.00	Safety meeting	SAFETY MEETING WITH SANGEL PRIOR TO CEMENTING
05:00	06:15	1.25	6.25	Run casing & cementing	RIG UP TO AND CEMENT SURFACE CASING/ CEMENTED WITH 38t OF 0-1-0g, DENSITY=1901KG/M3, VOLUME PUMPED 29M3 WITH 22DEG WATER + 1.5% CACL2 (PREBLEND), DISPLACED WITH 12.1M3 FRESH WATER, BUMPED PLUG @ 7MPA FLOATS HELD
06:15	06:30	0.25	6.50	Pressure test CSG/shoe	PRESSURE TEST CSG/SOUE 16,000 kpa FOR 10 min
06:30	06:45	0.25	6.75	Safety meeting	HAND OVER SAFETY MEETING
06:45	08:00	1.25	8.00	Wait on cement	WAIT ON CEMENT. STRIP MUD, CLEAN TANKS
08:00	12:00	4.00	12.00	Wait on cement	WAIT ON CEMENT. CLEAN TANKS
12:00	12:15	0.25	12.25	Safety meeting	SAFETY MEETING PRIOR TO TEAR OUT DIVERTER
12:15	15:00	2.75	15.00	Nipple up/down diverter system	NIPPLE DOWN DIVERTER SYSTEM CUT CASING, CUT CODUCTOR.
15:00	15:30	0.50	15.50	Run casing & cementing	TOP UP CEMENT W/ 18 SX OILWELL "G" CEMENT
15:30	16:00	0.50	16.00	Other	CUT CASING
16:00	19:45	3.75	19.75	Other	WELD ON BOWL, TESTED TO 7000KPA HELD 10MIN
19:45	20:00	0.25	20.00	Safety meeting	SAFETY MEETING W/ CREW
20:00	00:00	4.00	24.00	Nipple up BOP	PICK UP BOPS, NIPPLE UP BOPS, HCR, KILL LINE, SWITCH PIPE RAMS AND BLIND RAMS, RIG UP MANIFOLD, AND ALL RELATED EQUIPMENT.



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/24/2010

Report #: 9.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 35,016

Cum Cost to Date: 754,347

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 5.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 328	Mud Cum To Date 13,587		
Depth (mKB) 375.00	Density (kg/m³) 1120.0	Funnel Viscosity (s/L) 48	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SULPHAMIC ACID	65.57	5.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 115
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 115
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
2/24/2010	Safety Meeting	TEAR OUT DIVERter
2/24/2010	Safety Meeting	PICKING UP BOPS
2/25/2010	Safety Meeting	PRESS TESTING B.O.P.

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/25/2010

Report #: 10.0

Depth Progress: 109.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,955

Cum Cost to Date: 792,302

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 6.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB) 377.0	Depth End (mKB) 486.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00

Weather CLEAR	Temperature (°C) -17	Lease Condition FROZEN, LIGHT SNOW COVER
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Operation at 6am
Drilling ahead @ 553m

Operations Summary
PRESSURE TESTED BOP'S
HELP PRE-SPUD,BOP AND H2S DRILLS
DRILLED OUT FLOAT AND SHOE
DRILLED FROM 377M TO 486M

Operations Next Report Period
DRILL AHEAD THROUGH WABAMUN AND FT SIMPSON FORMATIONS

Remarks
NO REPORTABLE SPILLS OR INCIDENTS

PRESSURE TESTED BLIND AND PIPE RAMS, CHOKE LINES, MANIFOLD, MANUAL VALVES,HCR INSIDE BOP,STABBING VALVE ALL TEST 1,500 KPA LOW AND 14,000KPA HIGH ALL TEST HELD 5-15MIN, TESTED UPPER AND LOWER KELLY COCKS 1,500 KPA LOW AND 7,000KPA HIGH, TESTED ANNULAR TESTED 1,500KPA LOW 10,500KPA HIGH.

4 SIDE DUMP LOADS OF DIRTY SNOW HAULED FROM F-77 LOCATION TO N-06, EVAPORATING SNOW ON LOCATION.

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
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DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Safety meeting	SAFETY MEETING PRIOR TO PRESS TEST B.O.P
00:15	03:30	3.25	3.50	Pressure test BOPs	PRESSURE TEST BOPS/ ALL MANIFOLD SHACK VALVE , ALL FLANGE , H.C.R VALVE OUTSIDE , MANUAL VALVE , TO 1500 KPA LOW/ 14000 HIGH 15 MIN EACH
03:30	06:00	2.50	6.00	Pressure test BOPs	MAKE UP TEST PLUG PRESSURE TEST ANNULAR,10500KPA PIPE RAMS,BLIND RAM ,HCR, BOTH KILL LINE VALVE ,CHECK VALVE ,STABBING VALVE INSIDE B.O.P ,UPPER KELLY COCK, TO 1500KPA LOW 14000 KPA HIGH 10 MINEACH
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	07:15	1.00	7.25	Pressure test BOPs	CONT PRESSURE TEST BOPS , FUNCTION MOTOR KILL,FUNCTION ACCUMULATOR,CHECK PRESS AT START, 21000, KPA/ ACCUM CHECK , START PRESS 21000, REMAINING PRESS,12500, PRESS LOST 8500,TIME RECHARGE ,1M18 SEC,PREECHARGE ,6700 KPA,N2 BOTTLE #2100/#2,2100#31600.
07:15	08:00	0.75	8.00	Trips	RUN IN DCS
08:00	08:45	0.75	8.75	Trips	RUN IN DCS
08:45	09:45	1.00	9.75	Pressure test BOPs	PRESSURE TEST UPPER/LOWER KELLY COCK(1400KPa LOW, 7000KPa HIGH, 10 MIN. EACH TEST)
09:45	11:00	1.25	11.00	Safety meeting	HAZARD HUNT AND PRE SPUD SAFETY MEETING CREW WELL SUPERVISOR AND RIG MANAGER(MAIN TOPIC SPILL AND POTENTIAL OF HOLE PROBLEM)
11:00	11:45	0.75	11.75	Trips	CONT TO RUN IN W/BHA
11:45	12:30	0.75	12.50	Safety meeting	B.O.P. DRILL W/CREW AND RIG MANAGER
12:30	15:15	2.75	15.25	Drill cement/drill out cement/drill float&shoe	DRILL OUT FLOAT&SHOE TAG CEMENT AT (352M)
15:15	16:00	0.75	16.00	Drill	DRILL 200mm HOLE F/ 377m TO 382m



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/25/2010

Report #: 10.0

Depth Progress: 109.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,955

Cum Cost to Date: 792,302

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 6.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE(FUNC. PIPE RAMS 2SEC. TO CLOSE)
16:15	17:30	1.25	17.50	Drill	DRILL 200mm HOLE F/ 382m TO 400m
17:30	17:45	0.25	17.75	Deviation survey	SURVEY @ 398m 0.5deg
17:45	18:00	0.25	18.00	Safety meeting	HAND OVER SAFETY MEETING
18:00	19:45	1.75	19.75	Drill	DRILL 200mm HOLE F/ 400m TO 429M
19:45	20:00	0.25	20.00	Safety meeting	SAFETY MEETING B.O.P DRILL WITH ,CREW ,RIG MANAGER ,DRILLING FOREMAN, WELL SECURE 1M 40 SEC.
20:00	23:00	3.00	23.00	Drill	DRILL FROM 429 M TO 476M
23:00	23:15	0.25	23.25	Deviation survey	DEVIATION SURVEY
23:15	00:00	0.75	24.00	Drill	DRILL FROM 476 M TO 486 M

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost	1,603		Mud Cum To Date 15,190
Depth (mKB) 410.00	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 29	pH 10.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DETERGENT	62.35	3.0
CALCIUM NITRATE	43.63	4.0
ALKAPAM A-1103D	211.93	4.0
SULPHAMIC ACID	65.57	6.0

MUD PUMPS

Pump Number 1		Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa) 1,850	Slow Speed Check?	Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 1,400	Slow Speed Check?	Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pump Number 2		Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTO513HX	Serial Number 4000287	IADC Codes ---
Nozzles (mm)	Depth in (mKB) 377.00	Depth Out (mKB) 1,392.00	Depth Drilled (m) 1,015.00	Drilling Time (hrs) 91.00	BHA ROP (m/hr) 11.2	IADC Bit Dull 6-6-BC-A-X-0-CC---

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			64	1,222.83	1,411.16
HWDP(4.0 IN)	0.6	135.0	6	55.46	188.33
X/O	0.6	158.0	1	0.27	132.87
DC (6.25 IN)	65.0	158.0	7	64.53	132.60
JARS-HYD	65.0	158.0	1	5.30	68.07



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Daily Drilling

Well Name: **PARA ET AL CAMERON N-06**

Business Unit: **NE BC & NWT COU**

Rig: **245 PRECISION DRILLING, DIV OF PDC**

Report For: **2/25/2010**

Report #: **10.0**

Depth Progress: **109.00**

Total AFE Amount: **1,796,208.00**

AFE Number: **09N010011**

Daily Cost: **37,955**

Cum Cost to Date: **792,302**

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 6.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
DC-PONY	58.0	158.0	1	4.62	62.77
DC (6.25 IN)	65.0	158.0	6	54.79	58.15
TELEDRIFT	0.6	158.0	1	2.35	3.36
BIT SUB	64.0	158.0	1	0.71	1.01

DRILLING SUMMARY

Depth Start (mKB) 377.00	Depth End (mKB) 382.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.50		
Depth Start (mKB) 382.00	Depth End (mKB) 486.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 95	Motor RPM (rpm)	Bit RPM (rpm) 95	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.75		

SAFETY CHECKS

Date	Type	Description
2/25/2010	Safety Meeting	BOP DRILL
2/25/2010	Safety Meeting	CONNECTIONS/ B.O.P DRILL .DISCUSSED H2S INCIDENT
2/26/2010	Safety Meeting	H2S

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
2/25/2010	398.00	0.50	0.00	397.99	2.09	0.00	2.09	0.44
2/25/2010	474.00	0.50	0.00	473.99	2.75	0.00	2.75	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	470.00	469.99



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/26/2010

Report #: 11.0

Depth Progress: 312.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 59,029

Cum Cost to Date: 851,331

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 7.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations				
Depth Start (mKB) 486.0		Depth End (mKB) 798.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR		Temperature (°C) -20	Lease Condition FROZEN, SNOW COVERED	
Operation at 6am DRILLING AHEAD @ 865M				
Operations Summary FLOC WATER DRILLED FROM 486M TO 798M				
Operations Next Report Period DRILL AHEAD, MUD UP WIPER TRIP				
Remarks NO REPORTABLE INCIDENTS OR ACCIDENTS NO LOSSES THROUGH WABAMUN FORMATION EVAPORATING DIRTY SNOW FROM F-77 LOCATION				
Avg Connection Gas (Units)		Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count		Personnel Total Hours (hrs)		Cum Personnel Total Hours (hrs)

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION HYDRILL 13 SEC CLOSE
00:15	02:15	2.00	2.25	Drill	DRILL F/ 486M TO 505M
02:15	06:00	3.75	6.00	Drill	DRILL F/ 505M TO 553M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	06:30	0.25	6.50	Deviation survey	SURVEY @ 551m 0.5 DEG
06:30	08:00	1.50	8.00	Drill	DRILL F/ 553M TO 578M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. ANNULAR 12SEC. TO CLOSE)
08:15	11:45	3.50	11.75	Drill	DRILL F/ 578M TO 629M
11:45	12:00	0.25	12.00	Deviation survey	SURVEY @ 627m 0.5 DEG
12:00	16:00	4.00	16.00	Drill	DRILL F/ 629M TO 687M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE (FUNC. PIPE RAMS 2SEC. TO CLOSE)
16:15	17:00	0.75	17.00	Drill	DRILL F/ 687M TO 706M
17:00	17:15	0.25	17.25	Deviation survey	SURVEY @ 705m 0.5 DEG
17:15	18:00	0.75	18.00	Drill	DRILL F/ 706M TO 715M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	23:15	5.00	23.25	Drill	DRILL F/ 715M TO 792M
23:15	23:30	0.25	23.50	Deviation survey	DEVIATION SURVEY
23:30	00:00	0.50	24.00	Drill	DRILL F/ 792M TO 798M

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 2,022	Mud Cum To Date 17,212	
Depth (mKB) 680.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 30	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
CITRIC ACID	190.53	2.0



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/26/2010

Report #: 11.0

Depth Progress: 312.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 59,029

Cum Cost to Date: 851,331

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 7.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
CALCIUM NITRATE	43.63	4.0
SAWDUST	6.53	20.0
HYPERDRILLAF247RD	221.55	1.0
CALCIUM NITRATE	43.63	3.0
SAWDUST	6.53	20.0
HYPERDRILLAF247RD	221.55	1.0
MF-VIS	500.41	1.0
SAWDUST	6.53	20.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 1,600	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 1,740	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 1,810	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTO513HX	Serial Number 4000287	IADC Codes ---
Nozzles (mm)	Depth In (mKB) 377.00	Depth Out (mKB) 1,392.00	Depth Drilled (m) 1,015.00	Drilling Time (hrs) 91.00	BHA ROP (m/hr) 11.2	IADC Bit Dull 6-6-BC-A-X-0-CC-...

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	
Drill pipe - Stands			64	1,222.83	1,411.16	
HWDP(4.0 IN)	0.6	135.0	6	55.46	188.33	
X/O	0.6	158.0	1	0.27	132.87	
DC (6.25 IN)	65.0	158.0	7	64.53	132.60	
JARS-HYD	65.0	158.0	1	5.30	68.07	
DC-PONY	58.0	158.0	1	4.62	62.77	
DC (6.25 IN)	65.0	158.0	6	54.79	58.15	
TELEDRIFT	0.6	158.0	1	2.35	3.36	
BIT SUB	64.0	158.0	1	0.71	1.01	

DRILLING SUMMARY						
Depth Start (mKB) 486.00	Depth End (mKB) 578.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 578.00	Depth End (mKB) 687.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 6,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.50		
Depth Start (mKB) 687.00	Depth End (mKB) 798.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		

SAFETY CHECKS		
Date	Type	Description
2/26/2010	Safety Meeting	RIG SERVICE
2/26/2010	Safety Meeting	LOADER OPERATION



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/26/2010

Report #: 11.0

Depth Progress: 312.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 59,029

Cum Cost to Date: 851,331

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 7.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY CHECKS		
Date	Type	Description
2/27/2010	Safety Meeting	MOUSE HOLE CONNECTIONS

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
2/26/2010	551.00	0.50	0.00	550.99	3.42	0.00	3.42	0.00
2/26/2010	627.00	0.50	0.00	626.98	4.09	0.00	4.09	0.00
2/26/2010	705.00	0.50	0.00	704.98	4.77	0.00	4.77	0.00
2/26/2010	789.00	0.50	0.00	788.98	5.50	0.00	5.50	0.00

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	470.00	469.99
Fl Simpson	664.00	663.98



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/27/2010

Report #: 12.0

Depth Progress: 252.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 38,224

Cum Cost to Date: 889,555

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 8.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
798.0	1,050.0	Sulphur Point	1,438.00
Weather	Temperature (°C)	Lease Condition	
FOGGY	-17	FROZEN DIRT	
Operation at 6am			
DRILLING AHEAD @ 1081M			
Operations Summary			
DRILLED FROM 798M TO 1050M			
WIPER TRIPPED @ 1050M			
Operations Next Report Period			
DRILL AHEAD			
Remarks			
STARTED MUDDING UP AT 950M			
EVAPORATING DIRTY SNOW FROM F-77			
USED 50% SURFACE MUD TO BUILD SYSTEM			
WELL STARTED TO DEVIATE SLIGHTLY IN THE HAYRIVER FORMATION			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comments
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE
00:15	06:00	5.75	6.00	Drill	DRILL F/ 798M TO 864M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	06:30	0.25	6.50	Drill	DRILL F/ 864M TO 868M
06:30	06:45	0.25	6.75	Deviation survey	SURVEY @ 867M 0.5DEG
06:45	08:00	1.25	8.00	Drill	DRILL F/ 868M TO 887M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. ANNULAR 12SEC. TO CLOSE)
08:15	13:00	4.75	13.00	Drill	DRILL F/ 887M TO 944M
13:00	13:15	0.25	13.25	Deviation survey	SURVEY @ 942M 0.5DEG
13:15	16:00	2.75	16.00	Drill	DRILL F/ 944M TO 983M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE(FUNC. HCR 2SEC. TO OPEN)
16:15	18:00	1.75	18.00	Drill	DRILL F/ 983M TO 1011M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	19:00	0.75	19.00	Drill	DRILL F/ 1011M TO 1021M
19:00	19:15	0.25	19.25	Deviation survey	DEVIATION SURVEY
19:15	22:00	2.75	22.00	Drill	DRILL F/ 1021M TO 1050M
22:00	22:15	0.25	22.25	Deviation survey	DEVIATION SURVEY
22:15	22:45	0.50	22.75	Condition mud & circulate	CONDITION MUD & CIRCULATE
22:45	00:00	1.25	24.00	Wiper Trip	PUMP PILL ,BLOW KELLY& WIPER TRIP TO SHOE SLOW,TRIP FLOW CHECK@1037, 941.527M



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/27/2010

Report #: 12.0

Depth Progress: 252.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 38,224

Cum Cost to Date: 889,555

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 8.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 7,039	Mud Cum To Date 24,251		
Depth (mKB) 970.00	Density (kg/m³) 1080.0	Funnel Viscosity (s/L) 43	pH 9.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MF-VIS	500.41	1.0
CALCIUM NITRATE	43.63	2.0
SODA ASH	21.19	1.0
LIME	15.38	2.0
KELZAN	522.35	2.0
STARDRILL	146.16	2.0
HYPERDRILLAF247RD	221.55	3.0
LIGNITE	16.58	3.0
ALKAPAM A-1103D	211.93	3.0
DRISPAC PLUS REGULAR	261.75	3.0
MF-VIS	500.41	4.0
CALCIUM NITRATE	43.63	8.0
SAWDUST	6.53	20.0
BARITE	22.29	20.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 1,800	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 2,100	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 3,300	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTO513HX	Serial Number 4000287	IADC Codes ---
Nozzles (mm)	Depth In (mKB) 377.00	Depth Out (mKB) 1,392.00	Depth Drilled (m) 1,015.00	Drilling Time (hrs) 91.00	BHA ROP (m/hr) 11.2	IADC Bit Dull 6-6-BC-A-X-0-CC-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			64	1,222.83	1,411.16
HWDP (4.0 IN)	0.6	135.0	6	55.46	188.33
X/O	0.6	158.0	1	0.27	132.87
DC (6.25 IN)	65.0	158.0	7	64.53	132.60
JARS-HYD	65.0	158.0	1	5.30	68.07
DC-PONY	58.0	158.0	1	4.62	62.77
DC (6.25 IN)	65.0	158.0	6	54.79	58.15
TELEDRIFT	0.6	158.0	1	2.35	3.36
BIT SUB	64.0	158.0	1	0.71	1.01



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/27/2010

Report #: 12.0

Depth Progress: 252.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 38,224

Cum Cost to Date: 889,555

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 8.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

DRILLING SUMMARY

Depth Start (mKB) 798.00	Depth End (mKB) 887.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 887.00	Depth End (mKB) 983.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.50		
Depth Start (mKB) 983.00	Depth End (mKB) 1,050.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 5.25		

SAFETY CHECKS

Date	Type	Description
2/27/2010	Safety Meeting	ROTARY TABLE
2/27/2010	Safety Meeting	TRIPPING
2/28/2010	Safety Meeting	SLIP AND CUT

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
2/27/2010	867.00	0.50	0.00	866.97	6.18	0.00	6.18	0.00
2/27/2010	942.00	0.50	0.00	941.97	6.84	0.00	6.84	0.00
2/27/2010	1,018.00	1.50	0.00	1,017.96	8.16	0.00	8.16	0.39
2/27/2010	1,047.00	1.50	0.00	1,046.95	8.92	0.00	8.92	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	470.00	469.99
Ft Simpson	664.00	663.98
Hay River	955.00	954.97



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/28/2010

Report #: 13.0

Depth Progress: 217.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 42,644

Cum Cost to Date: 932,199

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 9.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB) 1,050.0		Depth End (mKB) 1,267.0	
		Target Formation Sulphur Point	
		Target Depth (mKB) 1,438.00	
Weather CLEAR		Lease Condition FROZEN DIRT	
Temperature (°C) -13			
Operation at 6am DRILLING AHEAD @ 1301M			
Operations Summary SLIP AND CUT DRILL LINE @ THE SHOE COMPLETED WIPER TRIP (HOLE IN GOOD SHAPE NO ISSUES) DRILLED FROM 1050M TO 1267M			
Operations Next Report Period DRILL AHEAD TO TD,WASH MUSKEG FORMATION, WIPER TRIP			
Remarks CONTOL DRILLED THIS ENTIRE SECTION TO MAINTAIN 3 DEGREE HOLE DEVIATION EVAPORATING SNOW OFF F-77 LOCATION			
Avg Connection Gas (Units)		Avg Background Gas (Units)	
		Avg Trip Gas (Units)	
		Max H2S (Units)	
Head Count		Cum Personnel Total Hours (hrs)	
		Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Wiper Trip	CONT WIPER TRIP TO SHOE ,FLOW CHECK @ 358, TRIP VOL , CAL ,1.82 MEASURED 2.67 DIFF .85
00:30	00:45	0.25	0.75	Rig Service	RIG SERVICE FUNCTION PIPE RAMS 4 SEC TO CLOSED
00:45	01:30	0.75	1.50	Slip/Cut drilling line	SLIP/CUT DRILLING LINE 12.6 M
01:30	03:00	1.50	3.00	Trip in hole	TRIP IN HOLE AFTER SLIP AND CUT,
03:00	03:15	0.25	3.25	Condition mud & circulate	BREAK CIRC & CLEAN TO BTM F/1037M TO 1050M
03:15	06:00	2.75	6.00	Drill	DRILL F/1050M TO 1081M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	07:30	1.25	7.50	Drill	DRILL F/ 1081M TO 1097M
07:30	07:45	0.25	7.75	Deviation survey	SURVEY @ 1095M 1.0 DEG
07:45	08:00	0.25	8.00	Drill	DRILL F/ 1097M TO 1100M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. ANNULAR 12SEC. TO CLOSE)
08:15	10:00	1.75	10.00	Drill	DRILL F/ 1100M TO 1126M
10:00	10:15	0.25	10.25	Deviation survey	SURVEY @ 1124M 1.5 DEG
10:15	12:15	2.00	12.25	Drill	DRILL F/ 1126M TO 1155M
12:15	12:30	0.25	12.50	Deviation survey	SURVEY @ 1153M 2.0 DEG
12:30	14:30	2.00	14.50	Drill	DRILL F/ 1155M TO 1183M
14:30	14:45	0.25	14.75	Deviation survey	SURVEY @ 1181M 2.5 DEG.
14:45	16:00	1.25	16.00	Drill	DRILL F/ 1183M TO 1201M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE(FUNC. HCR 2SEC. TO OPEN)
16:15	16:45	0.50	16.75	Drill	DRILL F/ 1201M TO 1212M
16:45	17:45	1.00	17.75	Deviation survey	SURVEY @1201M 3.0 DEG
17:45	18:00	0.25	18.00	Drill	DRILL F/1212M TO 1214M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	21:00	2.75	21.00	Drill	DRILL F/1214M TO 1241M



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/28/2010

Report #: 13.0

Depth Progress: 217.00

Total AFE Amount: 1,796,208.00

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Daily Cost: 42,644

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API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 9.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
21:00	21:15	0.25	21.25	Deviation survey	SURVEY @1239M 3.0 DEG
21:15	00:00	2.75	24.00	Drill	DRILL F/ 1241M TO 1267M

MUD CHECKS

Low Gravity Solids (%) 5.0	MBT (kg/m³) 40	Oil Water Ratio	Chlorides (mg/L) 1,000	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%) 5.0	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 3,748	Mud Cum To Date 27,998		
Depth (mKB) 1,195.00	Density (kg/m³) 1100.0	Funnel Viscosity (s/L) 45	pH 10.0	PV Override (cp) 8.0	YP Override (Pa) 6.200	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
HYPERDRILLAF247RD	221.55	1.0
HYPERDRILLAF247RD	221.55	1.0
MTL SHURE SHALE	195.51	1.0
DRISPAC PLUS REGULAR	261.75	2.0
SODA ASH	21.19	2.0
KELZAN	522.35	3.0
CAUSTIC	44.63	4.0
STARDRILL	146.16	4.0
LIGNITE	16.58	6.0
CAL CARB '0'	11.36	10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 2,250	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 2,250	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 2,300	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTO513HX	Serial Number 4000287	IADC Codes ---
Nozzles (mm)	Depth In (mKB) 377.00	Depth Out (mKB) 1,392.00	Depth Drilled (m) 1,015.00	Drilling Time (hrs) 91.00	BHA ROP (m/hr) 11.2	IADC Bit Dull 6-6-BC-A-X-0-CC-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			64	1,222.83	1,411.16
HWDP (4.0 IN)	0.6	135.0	6	55.46	188.33
X/O	0.6	158.0	1	0.27	132.87
DC (6.25 IN)	65.0	158.0	7	64.53	132.60
JARS-HYD	65.0	158.0	1	5.30	68.07
DC-PONY	58.0	158.0	1	4.62	62.77
DC (6.25 IN)	65.0	158.0	6	54.79	58.15
TELEDRIFT	0.6	158.0	1	2.35	3.36



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/28/2010

Report #: 13.0

Depth Progress: 217.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 42,644

Cum Cost to Date: 932,199

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 9.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
BIT SUB	64.0	158.0	1	0.71	1.01

DRILLING SUMMARY

Depth Start (mKB) 1,050.00	Depth End (mKB) 1,100.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.25		
Depth Start (mKB) 1,100.00	Depth End (mKB) 1,201.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 180	Motor RPM (rpm)	Bit RPM (rpm) 180	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		
Depth Start (mKB) 1,201.00	Depth End (mKB) 1,267.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 180	Motor RPM (rpm)	Bit RPM (rpm) 180	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.25		

SAFETY CHECKS

Date	Type	Description
2/28/2010	Safety Meeting	TONGS
2/28/2010	Safety Meeting	UNLOADING CASING WITH LOADER
3/1/2010	Safety Meeting	FIRE DRILL FOR CAMP

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
2/28/2010	1,153.00	2.00	0.00	1,152.92	11.49	0.00	11.49	0.52
2/28/2010	1,181.00	2.50	0.00	1,180.90	12.59	0.00	12.59	0.54
2/28/2010	1,201.00	3.00	0.00	1,200.87	13.55	0.00	13.55	0.75
2/28/2010	1,201.00	2.90	0.00	1,200.87	13.55	0.00	13.55	0.75
2/28/2010	1,239.00	3.00	0.00	1,238.82	15.50	0.00	15.50	0.08

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	470.00	469.99
Ft Simpson	664.00	663.98
Hay River	955.00	954.97
Beaverhill Lake Fm	1,251.50	1,251.30



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/1/2010

Report #: 14.0

Depth Progress: 125.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,002

Cum Cost to Date: 969,201

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 10.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations							
Depth Start (mKB)	1,267.0	Depth End (mKB)	1,392.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,438.00
Weather		Temperature (°C)		Lease Condition			
CLEAR		-2		OK			
Operation at 6am							
DRILLING IN MUSKEG FORMATION @ 1412.00M							
Operations Summary							
DRILLED FROM 1267M TO 1392M							
Operations Next Report Period							
BIT/WIPER TRIP, DRILL FROM 1413M TO T @ 1450M							
Remarks							
ROP BELOW AVERAGE BELOW SLAVE POINT							
DRILLED MAINTAINING 3 DEGREE HOLE DEVIATION							
STILL EVAPORATING SNOW FROM THE F-77 LOCATION							
HAULED TWO LOADS OF CUTTINGS TO THE SUMP							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	
Head Count		Personnel Total Hours (hrs)			Cum Personnel Total Hours (hrs)		

DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION HYDRILL 13 SEC CLOSE
00:15	00:30	0.25	0.50	Deviation survey	DEVIATION SURVEY @1269/ 1.0 DEG
00:30	04:45	4.25	4.75	Drill	DRILL F/1267M TO 1298M
04:45	05:00	0.25	5.00	Deviation survey	DEVIATION SURVEY @1296/ 3.0 DEG
05:00	06:00	1.00	6.00	Drill	DRILL F/1298M TO 1301M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	08:00	1.75	8.00	Drill	DRILL F/1301M TO 1306M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. HCR 1SEC. TO OPEN)
08:15	11:45	3.50	11.75	Drill	DRILL F/ 1306M TO 1317M
11:45	12:15	0.50	12.25	Deviation survey	SURVEY @ 1315M 3.0 DEG
12:15	16:00	3.75	16.00	Drill	DRILL F/ 1317M TO 1346M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION PIPE RAM 4 SEC C
16:15	16:30	0.25	16.50	Deviation survey	SURVEY @ 1344M 2.5 DEG
16:30	18:00	1.50	18.00	Drill	DRILL F/ 1346M TO 1363M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER MEETING W/ CREWS
18:15	00:00	5.75	24.00	Drill	DRILL F/ 1363M TO 1392M

MUD CHECKS

Low Gravity Solids (%) 8.1	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L) 1,300	Calcium (mg/L) 420	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%) 8.1	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³) 42.00	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 5,817	Mud Cum To Date 33,816	
Depth (mKB) 1,346.00	Density (kg/m³) 1110.0	Funnel Viscosity (s/L) 59	pH 10.5	PV Override (cp) 14.0	YP Override (Pa) 16.300	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
HYPERDRILLAF247RD	221.55	3.0
DRISPAC PLUS REGULAR	261.75	3.0



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/1/2010

Report #: 14.0

Depth Progress: 125.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,002

Cum Cost to Date: 969,201

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 10.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
KELZAN	522.35	3.0
CAUSTIC	44.63	5.0
DESCO	80.46	1.0
TKPP	150.51	1.0
KELZAN	522.35	2.0
DRISPAC PLUS REGULAR	261.75	4.0
SODA ASH	21.19	4.0
SAWDUST	6.53	26.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 2,380	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 2,650	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 2,800	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTO513HX	Serial Number 4000287	IADC Codes ---
Nozzles (mm)	Depth In (mKB) 377.00	Depth Out (mKB) 1,392.00	Depth Drilled (m) 1,015.00	Drilling Time (hrs) 91.00	BHA ROP (m/hr) 11.2	IADC Bit Dull 6-6-BC-A-X-0-CC-...

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	
Drill pipe - Stands			64	1,222.83	1,411.16	
HWDP(4.0 IN)	0.6	135.0	6	55.46	188.33	
X/O	0.6	158.0	1	0.27	132.87	
DC (6.25 IN)	65.0	158.0	7	64.53	132.60	
JARS-HYD	65.0	158.0	1	5.30	68.07	
DC-PONY	58.0	158.0	1	4.62	62.77	
DC (6.25 IN)	65.0	158.0	6	54.79	58.15	
TELEDRIFT	0.6	158.0	1	2.35	3.36	
BIT SUB	64.0	158.0	1	0.71	1.01	

DRILLING SUMMARY						
Depth Start (mKB) 1,267.00	Depth End (mKB) 1,306.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 180	Motor RPM (rpm)	Bit RPM (rpm) 180	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		
Depth Start (mKB) 1,306.00	Depth End (mKB) 1,346.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 10,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 1,346.00	Depth End (mKB) 1,392.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		

SAFETY CHECKS		
Date 3/1/2010	Type Safety Meeting	Description ROTARY TORQUE



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/1/2010

Report #: 14.0

Depth Progress: 125.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,002

Cum Cost to Date: 969,201

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 10.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY CHECKS

Date	Type	Description
3/1/2010	Safety Meeting	PROPER USE OF WIRE ROPE CLAMP(RAISE LIGHTMUD TANK)
3/2/2010	Safety Meeting	WORKING ON PUMP

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
3/1/2010	1,269.00	1.00	0.00	1,268.80	16.55	0.00	16.55	2.00
3/1/2010	1,296.00	3.00	0.00	1,295.78	17.49	0.00	17.49	2.22
3/1/2010	1,315.00	3.00	0.00	1,314.76	18.48	0.00	18.48	0.00
3/1/2010	1,344.00	2.50	0.00	1,343.72	19.88	0.00	19.88	0.52

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Hay River	955.00	954.97
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/2/2010

Report #: 15.0

Depth Progress: 27.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 34,657

Cum Cost to Date: 1,003,858

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 11.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations

Depth Start (mKB) 1,413.0	Depth End (mKB) 1,440.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
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Weather CLEAR	Temperature (°C) -4	Lease Condition FAIR, A LITTLE BIT MUDDY
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Operation at 6am
CIRCULATING PRIOR TO TRIP FOR LOGS

Operations Summary
DRILLED FROM 1392M TO 1413M
TRIPPED FOR BIT @ 1413M (BALLED AND DAMAGED)
DRILLED FROM 1413M TO 1440M

Operations Next Report Period
DRILL TO TD @ 1450M, WIPER TRIP TO 1100M, LOG WELL

Remarks
HOLE IN GOOD CONDITION, A LITTLE TIGHT @ 1288M AND 1150M
4M OF FILL AFTER BIT TRIP

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
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DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION HYDRILL 13 SEC TO CLOSE.
00:15	00:30	0.25	0.50	Deviation survey	DEVIATION SURVEY @ 1392M/DEVIATION 3.5 DEG
00:30	06:00	5.50	6.00	Drill	DRILL F/ 1392M TO 1412M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	06:45	0.50	6.75	Drill	DRILL F/1412M TO 1413M
06:45	07:15	0.50	7.25	Condition mud & circulate	CIRCULATE HOLE CLEAN
07:15	07:30	0.25	7.50	Deviation survey	SURVEY @ 1412M 3.0 DEG
07:30	08:00	0.50	8.00	Trips	PULL 5 STDS, PUMP PILL (FLOW CHECK @ 1410M)
08:00	11:45	3.75	11.75	Trip out of hole	POOH FOR BIT #3 (FLOW CHECKS 1316, 712, 222, & 0M HOLE FILL VOL=ACTUAL 8.55-CALC. 6.05=DIFF 2.50)
11:45	12:00	0.25	12.00	Rig Service	RIG SERVICE (FUNC. BLIND RAM S 4 SEC. TO CLOSE)
12:00	12:15	0.25	12.25	Trips	MAKE UP BIT #4RR
12:15	12:30	0.25	12.50	Pre-job safety	SAFETY MEETING W/ CREW
12:30	14:30	2.00	14.50	Trip in hole	RUN IN HOLE W/ BIT # 4RR
14:30	14:45	0.25	14.75	Condition mud & circulate	PICK UP KELLY & FILL PIPE
14:45	16:00	1.25	16.00	Trip in hole	RUN IN TO 1403M
16:00	16:30	0.50	16.50	Condition mud & circulate	FILL PIPE & WASH LAST SINGLE TO BOTTOM
16:30	18:00	1.50	18.00	Drill	DRILL F/ 1413M TO 1419M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	00:00	5.75	24.00	Drill	DRILL F/1419M TO 1440M



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/2/2010

Report #: 15.0

Depth Progress: 27.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 34,657

Cum Cost to Date: 1,003,858

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 11.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

MUD CHECKS						
Low Gravity Solids (%) 5.0	MBT (kg/m³) 40	Oil Water Ratio	Chlorides (mg/L) 1,300	Calcium (mg/L) 360	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m²)	Sand (%) 0.5	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³) 53.70	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 1,990	Mud Cum To Date 35,806	
Depth (mKB) 1,437.00	Density (kg/m³) 1075.0	Funnel Viscosity (s/L) 86	pH 10.5	PV Override (cp)	YP Override (Pa) 22,000	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
DRISPAC PLUS REGULAR	261.75	2.0
KELZAN	522.35	2.0
CAUSTIC	44.63	3.0
BARITE	22.29	10.0
SAWDUST	6.53	10.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 3,200	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 3,900	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 3,900	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run 4RR	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-
Nozzles (mm)	Depth In (mKB) 1,413.00	Depth Out (mKB) 1,450.00	Depth Drilled (m) 37.00	Drilling Time (hrs) 9.50	BHA ROP (m/hr) 3.9	IADC Bit Dull 2-2-WT-A-E-0-NO-...

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY						
Depth Start (mKB) 1,413.00	Depth End (mKB) 1,440.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 9,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		

SAFETY CHECKS		
Date	Type	Description
3/2/2010	Safety Meeting	TRIPPING
3/2/2010	Safety Meeting	MIXING CHEMICAL
3/3/2010	Safety Meeting	TRIPPING

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
3/2/2010	1,392.00	3.50	0.00	1,391.66	22.39	0.00	22.39	0.63



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/2/2010

Report #: 15.0

Depth Progress: 27.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 34,657

Cum Cost to Date: 1,003,858

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 11.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

FORMATIONS			
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)	
Beaverhill Lake Fm	1,251.50	1,251.30	
Slave Point Fm	1,274.50	1,274.30	
Watt Mtn Fm	1,326.00	1,325.75	
Sulphur Point Fm	1,364.50	1,364.21	
Muskeg Fm	1,404.50	1,404.14	



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/3/2010

Report #: 16.0

Depth Progress: 10.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 130,130

Cum Cost to Date: 1,133,988

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM		DFS: 12.35 days
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB) 1,440.0	Depth End (mKB) 1,450.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -6	Lease Condition FROZEN BY NIGHT, MUDDY BY DAY	

Operation at 6am

LAYING DOWN THE BHA

Operations Summary

DRILLED FROM 1440M TO 1450M
WIPER TRIPPED TO 1100M, HOLE IN GOOD SHAPE
CIRCULATED BOTTOMS UP
TRIPPED OUT TO LOG
RUN LOGS

Operations Next Report Period

LAYDOWN DRILL STRING, RUN CASING AND CEMENT

Remarks

LOG RUN #1 STI/MDA/SPeD/CNT/uGR/MRT/DAC, LOGGERS DEPTH @ 1449M TIME ON BOTTOM 12:40

2ND RUN WITH SPED/CNT/WGR/MRT/DAL) ON BOTTOM @ 18:45

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS

Title Drilling Foreman	Job Contact JOSH BLINSTON	Phone Mobile
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
Title Rig Manager	Job Contact ERICK BIGRAS	Phone Mobile

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE
00:15	02:30	2.25	2.50	Drill	DRILL F/1440M TO 1450M
02:30	03:00	0.50	3.00	Condition mud & circulate	CONDITION MUD & CIRCULATE PRIOR TO WIPER TRIP.
03:00	03:15	0.25	3.25	Deviation survey	DEVIATION SURVEY @1447 DEVIATION 3.5
03:15	04:45	1.50	4.75	Wiper Trip	BLOW KELLY& WIPER TRIP TO 1100M SLOW FLOW CHECK @1439M/1345M / 1099M @TRIP VOL CAL /.1.00 MEASURED, 1.48 , DIFF .48 .
04:45	05:15	0.50	5.25	Trip in hole	TRIP BACK IN HOLE
05:15	05:30	0.25	5.50	Circulate And Condition	CIRCULATE AND CONDITION / CLEAN TO BTM NO FILL
05:30	06:00	0.50	6.00	Safety meeting	HAND OVER SAFETY MEETING
06:00	06:15	0.25	6.25	Condition mud & circulate	CONDITION MUD & CIRCULATE PRIOR TO P.O.O.H TO LOG
06:15	08:00	1.75	8.00	Trip out of hole	TRIP OUT TO LOG(FLOW CHECKS @ 1437, 1343M)
08:00	10:15	2.25	10.25	Trips	TRIP OUT TO LOG(FLOW CHECKS @ 721, 212, & 0M HOLE FILL VOL.=ACTUAL 8.58 - CALC. 5.77= DIFF. 8.81)
10:15	10:30	0.25	10.50	Rig Service	RIG SERVICE (FUNC. BLINDS 1SEC. TO CLOSE)
10:30	11:00	0.50	11.00	Wireline logs	RIG UP LOGGERS
11:00	15:00	4.00	15.00	Logging - Open hole logs	LOG WELL W/ STI/MDA/SPeD/CNT/uGR/MRT/DAC, HOLE DEPTH @ 1449M TIME ON BOTTOM 12:40
15:00	15:15	0.25	15.25	Safety meeting	CREW CHANGE HAND OVER MEETING
15:15	16:00	0.75	16.00	Logging - Open hole logs	LOG WELL



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/3/2010

Report #: 16.0

Depth Progress: 10.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 130,130

Cum Cost to Date: 1,133,988

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 12.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
16:00	20:30	4.50	20.50	Logging - Open hole logs	LOGGING - OPEN HOLE LOGS (2ND RUN WITH SPED/CNT/WGR/MRT/DAL) HIT BOTTOM @ 18:45
20:30	22:45	2.25	22.75	Trip in hole	TRIP IN HOLE FLOW CHECKS @ 367M
22:45	23:00	0.25	23.00	Safety meeting	HANDOVER SAFETY MEETING
23:00	23:15	0.25	23.25	Rig Service	RIG SERVICE(FUNC. PIPE RAMS)
23:15	23:45	0.50	23.75	Trip in hole	RUN IN TO 710M
23:45	00:00	0.25	24.00	Condition mud & circulate	KELLY UP & FILL PIPE

MUD CHECKS

Low Gravity Solids (%) 130.0	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L) 1,300	Calcium (mg/L) 360	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m²) 1178.0	Sand (%)	Solids (%) 5.0	Temp Bottom Hole (°C) 49	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 2,270	Mud Cum To Date 38,076		
Depth (mKB) 1,450.00	Density (kg/m³) 1080.0	Funnel Viscosity (s/L) 92	pH 10.5	PV Override (cp) 22.0	YP Override (Pa) 23.000	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DRISPAC PLUS REGULAR	261.75	2.0
KELZAN	522.35	2.0
SAWDUST	6.53	5.0
CAUSTIC	44.63	5.0
BARITE	22.29	20.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa) 3,400	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 3,400	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 3,420	Slow Speed Check? Yes	Strokes (spm) 70
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 4RR	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-
Nozzles (mm)	Depth In (mKB) 1,413.00	Depth Out (mKB) 1,450.00	Depth Drilled (m) 37.00	Drilling Time (hrs) 9.50	BHA ROP (m/hr) 3.9	IADC Bit Dull 2-2-WT-A-E-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY

Depth Start (mKB) 1,440.00	Depth End (mKB) 1,450.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 12,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.25		

SAFETY CHECKS

Date	Type	Description
3/3/2010	Safety Meeting	PIPE SPINNER



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/3/2010
Report #: 16.0
Depth Progress: 10.00

Total AFE Amount: 1,796,208.00
AFE Number: 09N010011
Daily Cost: 130,130
Cum Cost to Date: 1,133,988

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 12.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY CHECKS

Date	Type	Description
3/3/2010	Safety Meeting	LOGGING
3/4/2010	Safety Meeting	LAYING DOWN STRING

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
3/3/2010	1,447.00	3.50	0.00	1,446.56	25.75	0.00	25.75	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/4/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 163,471

Cum Cost to Date: 1,297,459

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 13.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations

Depth Start (mKB) 1,450.0	Depth End (mKB) 1,450.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -10	Lease Condition FAIR	

Operation at 6am

INSTALLING TUBING HEAD

Operations Summary

TRIPPED IN AFTER LOGGING RUNS, 4M OF FILL
CONDITIONED MUD
LAID DOWN THE DRILL STRING
RAN 139.7MM PRODUCTION CASING, 1M OF FILL ON BOTTOM SET @ 1449M KB
CEMENTED THE WELL

Operations Next Report Period

WOC,CUT CASING,SET SLIPS,NIPPLE DOWN,INSTALL TUBING HEAD

Remarks

CEMENTED WITH LEAD 271 THIXLITE @ 1507KG/M3,PUMPED 32.4M3, +.04 LTR(PREBLEND), TAIL 91 EXPANDO LWL @1770KG/M3,PUMPED 7.9M3, +.015% CFL-3, +.03% OF LTR (PREBLEND) DISPLACED 18.4M3 FRESH H2O.BUMPED PLUG @ 14,500KPA @ 21:31HRS FLOATS HELD, 3M3 GOOD CEMENT RETURNS

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:00	1.00	1.00	Trip in hole	RUN IN HOLE
01:00	01:45	0.75	1.75	Condition mud & circulate	WASH 4M TO BOTTOM, CIRC. HOLE CLEAN FOR CASING
01:45	02:00	0.25	2.00	Rig Service	RIG SERVICE FUNCTION HYDRILL 13sec to close
02:00	02:15	0.25	2.25	Pre-job safety	SAFETY MEETING W/ CREW
02:15	06:00	3.75	6.00	Lay down drill pipe	BLOW KELLY & LAY DOWN DP(FLOW CHECK @ 1437, 1343,721,203M)
06:00	06:15	0.25	6.25	Function test BOPs	FUNCTION TEST BOPS +FUNCTION TEST ACC START PRESSURE 21,000kpa,PRESS REMAIN AFTER TEST 12,400kpa TOTAL PRESS LOST 8,600kpa TIME TO RECHARGE 1min19sec PRECHARGE 6,700kpa
06:15	06:30	0.25	6.50	Safety meeting	CREW CHANGE HANDOVER
06:30	08:00	1.50	8.00	Lay down BHA	LAY DOWN BHA
08:00	08:15	0.25	8.25	Lay down BHA	LAY DOWN BHA
08:15	08:30	0.25	8.50	Safety meeting	BOP DRILL OUT OF THE HOLE FUNCTION BLIND RAMS CLOSED IN 3 SECONDS FILL VOLUMES=ACTUAL 8.46M3, CALCULATED 6.13M3, DIFF. 2.33M3
08:30	08:45	0.25	8.75	Safety meeting	SAFETY MEETING PRIOR TO RIG UP POWER TONGS
08:45	15:45	7.00	15.75	Run casing	RUN CASING CIRC. HALF WAY IN THE HOLE
15:45	16:00	0.25	16.00	Rig Service	RIG SERVICE
16:00	18:00	2.00	18.00	Condition mud & circulate	CONDITION MUD & CIRCULATE PRIOR TO CEMENTING
18:00	18:15	0.25	18.25	Safety meeting	BOP DRILL WELL AND MAN SECURE IN 98sec
18:15	18:30	0.25	18.50	Safety meeting	SAFETY MEETING PRIOR TO CEMENTING
18:30	19:45	1.25	19.75	Cementing	CIRCULATE COLD LAKE WATER THROUGH 400BBL, PRIOR TO CEMENTING
19:45	21:30	1.75	21.50	Cementing	CEMENTED WITH LEAD 271 THIXLITE @ 1507KG/M3,PUMPED 32.4M3, +.04 LTR(PREBLEND), TAIL 91 EXPANDO LWL @1770KG/M3,PUMPED 7.9M3, +.015% CFL-3, +.03% OF LTR (PREBLEND) DISPLACED 18.4M3 FRESH H2O.BUMPED PLUG @ 14,500KPA @ 21:31HRS FLOATS HELD, 3M3 CEMENT RETURNS



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/4/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 163,471

Cum Cost to Date: 1,297,459

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 13.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
21:30	00:00	2.50	24.00	Wait on cement	WAIT ON CEMENT, STRIP MUD, CLEAN MUD TANKS

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 2,409	Mud Cum To Date 40,485		
Depth (mKB) 1,449.00	Density (kg/m³) 1080.0	Funnel Viscosity (s/L) 45	pH 9.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
BARITE	22.29	32.0
ALKAPAM A-1103D	211.93	8.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)
1	63.5	
Pressure (kPa) 3,450	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 803	Slow Speed Check? Yes	Strokes (spm) 70
Pressure (kPa) 1,232	Slow Speed Check? Yes	Strokes (spm) 70
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
3/4/2010	Safety Meeting	RUN CASING
3/4/2010	Safety Meeting	CEMENTING MAIN HOLE CASING
3/5/2010	Safety Meeting	NIPPLE DOWN

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/4/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 163,471

Cum Cost to Date: 1,297,459

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 13.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/5/2010

Report #: 18.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 32,596

Cum Cost to Date: 1,330,055

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 14.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations

Depth Start (mKB) 1,450.0	Depth End (mKB) 1,450.0	Target Formation Sulphur Point	Target Depth (mKB) 1,438.00
Weather CLEAR	Temperature (°C) -5	Lease Condition FROZEN	

Operation at 6am

PREPARING TO LAY OVER DERRICK

Operations Summary

WOC, STRIPPED MUD AND CLEANED TANKS

CUT CASING AND NIPPLE DOWN

INSTALLED TUBING HEAD AND PESSURE TESTED TO 16,800KPA

Operations Next Report Period

HAUL RENTAL LOADS, TEAR OUT DRILLING RIG

Remarks

RIG RELEASE MARCH /5 /2010 @ 23:59HRS

347M3 OF FLUID TO DISPOSE HAUL AT TIME OF RIG RELEASE

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS

Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Pre-job safety	SAFETY MEETING W/ CREW
00:15	01:30	1.25	1.50	Wait on cement	WAIT ON CEMENT(LAY DOWN KELLY, CLEAN, PREPARE CELLAR TO NIPPLE DOWN BOPS)
01:30	03:15	1.75	3.25	Nipple down BOPs	NIPPLE DOWN BOPS TO SET CASING SLIPS(SET @ 25000DaN)
03:15	03:30	0.25	3.50	Other	CUT CASING
03:30	05:00	1.50	5.00	Nipple down BOPs	NIPPLE DOWN HCR, LAY DOWN BOPS
05:00	06:00	1.00	6.00	Install wellhead/tree	INSTALL WELLHEAD/TREE, PRESSURE TESTED TO 16,800 KPA @ 80%
06:00	06:15	0.25	6.25	Safety meeting	CREW CHANGE HAND OVER MEETING
06:15	08:00	1.75	8.00	Tear down	TEAR DOWN
08:00	16:00	8.00	16.00	Tear down	TEAR DOWN,RIG,3RD PARTY,CLEANING MUD TANKS AND STRIPPING MUD, ORGANIZING LOADS FOR THE RIG MOVE
16:00	18:00	2.00	18.00	Tear down	TEAR DOWN,RIG CLEAN MUD TANKS,STRIPPING MUD
18:00	18:30	0.50	18.50	Safety meeting	HAND OVER MEETING + WEEKLY FOCUS
18:30	00:00	5.50	24.00	Tear down	TEAR DOWN FOR SUNDAY MOVE

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Slab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 2,119	Mud Cum To Date 42,604		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM A-1103D	211.93	10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)
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Daily Drilling
Well Name: PARA ET AL CAMERON N-06
Business Unit: NE BC & NWT COU
Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 3/5/2010
Report #: 18.0
Depth Progress: 0.00
Total AFE Amount: 1,796,208.00
AFE Number: 09N010011
Daily Cost: 32,596
Cum Cost to Date: 1,330,055

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 14.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

MUD PUMPS			
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS		
Date	Type	Description
3/5/2010	Safety Meeting	RIG OUT
3/5/2010	Safety Meeting	PINCH POINTS
3/6/2010	Safety Meeting	WEEKEND AWARENESS

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig:

Report For: 3/6/2010
Report #: 19.0
Depth Progress: 0.00
Total AFE Amount: 1,796,208.00
AFE Number: 09N010011
Daily Cost: 37,568
Cum Cost to Date: 1,367,623

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 15.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations							
Depth Start (mKB)	1,450.0	Depth End (mKB)	1,450.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,438.00
Weather		Temperature (°C)		Lease Condition			
CLEAR		-7		SOFT IN SPOTS, GENERALLY GOOD			
Operation at 6am							
HAULING RENTAL LOADS OFF LOCATION							
Operations Summary							
HAULED 122M3 STRIPPED MUD TO CCS RAINBOW LAKE							
RIGGED OUT CENTRIFUGE TANK AND MUD TANKS							
LAYED OVER THE DERRICK							
TORE OUT THE RIG AND STACKED LOADS							
STARTED HAULING RENTAL LOADS TO TOWN							
Operations Next Report Period							
TRANSPORT RENTAL LOADS TO TOWN, HAUL STRIPPED MUD TO CCS							
Remarks							
BOILER COOLED DOWN AND SHUT IN							
FUEL TANK SUCKED OUT							
HAULED TWO LOADS OF CUTTINGS TO SUMP							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	
Head Count		Personnel Total Hours (hrs)			Cum Personnel Total Hours (hrs)		

DAILY CONTACTS		
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00	Tear down	PUT AWAY VARIOUS EQUIPMENT, TIDY UP BUILDINGS HAULED 122M3 STRIPPED MUD FROM STORAGE TANKS
08:00	16:00	8.00	16.00	Tear down	TEAR DOWN, LAY DOWN DERRICK, PRE-INSPECTED BY E.B. & P.I., CIRCULATE BOILER, DRAIN, CLEAN OUT WATER TANK, BLOW STEAM.
16:00	21:00	5.00	21.00	Tear down	TEAR DOWN
21:00	21:15	0.25	21.25	Safety meeting	SAFETY MEETING W/MULLEN TRUCKING
21:15	00:00	2.75	24.00	Move rig	START MOVING RIG AND 3rd PARTY EQUIPMENT.

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost	Mud Cum To Date 42,604		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig:

Report For: 3/6/2010

Report #: 19.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 37,568

Cum Cost to Date: 1,367,623

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 15.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
3/6/2010	Safety Meeting	BRING DOWN TOP SECTION
3/6/2010	Safety Meeting	WORKING IN THE DARK W/LIGHT TOWERS
3/7/2010	Safety Meeting	MOVING AT NIGHT

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



Daily Drilling
Well Name: PARA ET AL CAMERON N-06
Business Unit: NE BC & NWT COU
Rig:

Report For: 3/7/2010
Report #: 20.0
Depth Progress: 0.00
Total AFE Amount: 1,796,208.00
AFE Number: 09N010011
Daily Cost: 51,559
Cum Cost to Date: 1,419,182

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 16.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
1,450.0	1,450.0	Sulphur Point	1,438.00
Weather	Temperature (°C)	Lease Condition	
CLEAR	-6	SOFT AND FROZEN	
Operation at 6am			
RIG MOVE			
Operations Summary			
HAULED THE 102M3 OF DRILLING FLUID TO CCS			
HAULED 18 TRUCK LOADS TO TOWN			
Operations Next Report Period			
HAUL REMAINING RIG AND RENTAL LOADS TO TOWN			
Remarks			
COMPLETE HAULING CUTTINGS OFF LOCATION			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS		
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00	Move rig	MOVE RIG W/ MULLEN
08:00	16:00	8.00	16.00	Other	W/ON NIGHT FOR MOVE ROAD CLOSE FOR THE DAY
16:00	21:00	5.00	21.00	Other	W/O NIGHT FOR RIG MOVE
21:00	21:15	0.25	21.25	Safety meeting	SAFETY MEETING W/MULLEN
21:15	00:00	2.75	24.00	Move rig	MOVE RIG

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 4,930	Mud Cum To Date 47,534		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
CITRIC ACID	190.53	5.0
KELZAN	522.35	1.0
KWIKSEAL	34.01	8.0
LIME	15.38	1.0
MF-VIS	500.41	1.0
MTL SHURE SHALE	195.51	10.0
SODA ASH	21.19	1.0
TKPP	150.51	1.0
OILWELL G CEMENT	30.00	18.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	



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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig:

Report For: 3/7/2010

Report #: 20.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 51,559

Cum Cost to Date: 1,419,182

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 16.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
3/7/2010	Safety Meeting	LOADER OPERATION
3/7/2010	Safety Meeting	WILD LIFE

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14



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Daily Drilling

Well Name: **PARA ET AL CAMERON N-06**

Business Unit: **NE BC & NWT COU**

Rig:

Report For: **3/8/2010**

Report #: **21.0**

Depth Progress: **0.00**

Total AFE Amount: **1,796,208.00**

AFE Number: **09N010011**

Daily Cost: **379,472**

Cum Cost to Date: **1,798,654**

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 16.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
1,450.0	1,450.0	Sulphur Point	1,438.00
Weather	Temperature (°C)	Lease Condition	
CLEAR	-6	CLEAN	
Operation at 6am			
LOADING FINAL LOADS OFF LOCATION			
Operations Summary			
HAULED THE REMAINING 115M3 OF DRILLING FLUID TO CCS			
REMAINING RIG AND RENTAL LOADS HAULED OFF LOCATION			
Operations Next Report Period			
DRILLING PROJECT COMPLETE			
Remarks			
ALL FLUID AND CUTTINGS OFF LOCATION			
LEASE CLEANED AND CLEAR OF DEBRIS			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

DAILY CONTACTS			
Title DRILLING FOREMAN	Job Contact JOSH BLINSTON	Phone Mobile 866.935.3725	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comments
00:00	08:00	8.00	8.00	Move rig	MOVE RIG W/ MULLEN

MUD CHECKS							
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)	
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)	
Active Mud Volume (Surf) (m³)		Mud Lost to Hole (m³)		Cum Mud Lost to Hole (m³)		Daily Mud Cost	Mud Cum To Date 47,534
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)		YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)		Drilling Time (hrs)	



Paramount
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Daily Drilling

Well Name: PARA ET AL CAMERON N-06

Business Unit: NE BC & NWT COU

Rig:

Report For: 3/8/2010

Report #: 21.0

Depth Progress: 0.00

Total AFE Amount: 1,796,208.00

AFE Number: 09N010011

Daily Cost: 379,472

Cum Cost to Date: 1,798,654

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Spud Date 2/19/2010 15:30	Rig Release Date 3/5/2010 11:59:00 PM	DFS: 16.35 days	
Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15	KB-Casing Flange Distance (m) 3.67	

SAFETY CHECKS

Date	Type	Description
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SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Beaverhill Lake Fm	1,251.50	1,251.30
Slave Point Fm	1,274.50	1,274.30
Watt Mtn Fm	1,326.00	1,325.75
Sulphur Point Fm	1,364.50	1,364.21
Muskeg Fm	1,404.50	1,404.14

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Pason

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FRONT PAGE SUMMARY										DAILY CHECKS										OP RM										FUEL @ 08:00 HOURS										DRILL PIPE										MUD PUMPS										GENERAL EQUIPMENT & SERVICES										CASDC									
Job Sheet Serial Number: 052245_20100222_1A Pason										1) Daily Work Around Inspection JWB/DM										Rig: 01										Category: DP										No. 1										No. 1										Description: MUD PUMP										Hours: 24.00									
Rig No. 245										2) Detailed Inspection - Weekly (Using Check List) JWB/DM										Boiler: 0										Category: DP										No. 2										No. 2										Description: MANIFOLD										Hours: 24.00									
Well Name: Para et al Cameron N-06										3) N2S Sens Period & Reprinted JWB/DM										Op Fuel: 0										Category: DP										No. 3										No. 3										Description: LOADER										Hours: 24.00									
Surface Location: 40 55 49 28W 117 31 N										4) Well Service & Stock Diagram Posted JWB/DM										Weather: 06.00										Category: DP										No. 4										No. 4																													
Licence No. 2067										5) Flare Lines Staked JWB/DM										Time: 06.00										Category: DP										No. 5										No. 5																													
Contractor: PARAMOUNT RESOURCES LTD.										6) BOP Drills Performed JWB/DM										Temp: -13										Category: DP										No. 6										No. 6																													
Operator's Aff: 68ND10011										7) Visually Inspected BOPs - Flare Lines & Drags/Lines JWB/DM										Current Conditions: CLEAR										Category: DP										No. 7										No. 7																													
Signature of Operator Representative: JOSH BLINSTON										1) Rig Site Health & Safety Meeting (see/insertment) DM										Wind Direction: NE										Category: DP										No. 8										No. 8																													
Signature of Contractor's Rig Manager: DUKE MEHLHAFF										2) CAGDC Rig Safety Inspection (see/insertment) DM										Wind Strength: UP TO 19 KM/H										Category: DP										No. 9										No. 9																													
										3) Mast Inspection before Run-in or Lowering DM										Road Condition: FAIR										Category: DP										No. 10										No. 10																													
										4) Crown Saver Checked DM																				Category: DP										No. 11										No. 11																													
										5) Motor Xibs Checked DM																				Category: DP										No. 12										No. 12																													
TOUR 1										SIGNATURE OF DRILLER										PETER MWANCZYK										START TIME										00.00										END TIME										08.00																			
DRILLING ASSEMBLY										BITS										MUD RECORD										MUD MATERIALS ADDED										METRES DRILLED										HOLE CONDITION										TIME LOG																			
No. Component ID (mm) OD (mm) Length (m)										Bit Number Size (mm) WDC Code Manufacturer Type Serial No Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Mud Type Water (%) Oil (%) Other (%) Time Density (kg/m³) Funnel Viscosity (cP) Fluid Loss (cm³/hr) pH Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Product Amount Type DRISPAK PLUS REGULAR 3 SACK STARDRILL 6 SACK CAL CARB 10 6 SACK										From (m) To (m) D-R-C RPM WOB (kdaN)										Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)										From To Elapsed Code Details of Operations in Sequence & Remarks																			
1 BIT 311 0.30										1 311										1 01.00 03.00 06.00																																																		00.00 04.00 4.00 3 REAMING FROM 68M TO 67M									
1 BIT SUB 203 58 0.71										1 203										1 1120 1120 1120																																																		04.00 05.15 1.25 60 LAY DOWN SHAFT LAY OUT COLLARS OUT OF DERRICK 1									
1 BELL SUB 158 58 0.76										1 158										1 51 47 39																																																		05.15 08.00 0.75 3 REAMING FROM 67M TO 108									
1 DC (6.25 IN) 158 58 54.79										1 158																																																		06.00 06.15 0.25 21 HAND OVER SAFETY MEETING																			
1 PONY DC 158 58 4.42										1 158																																																		06.15 07.00 0.75 3 REAMING FROM 103 TO 117M																			
1 JARS-HYD 158 58 5.30										1 158																																																		07.00 08.00 1.00 60 LAY DOWN BHA 6DC BACK 4 IN DERRICK																			
1 DC (6.25 IN) 158 58 73.35										1 158																																																																					
1 X/O 158 58 0.27										1 158																																																																					
1 HWDP (4.0 IN) 135 68 55.46										1 135																																																																					
7 Drill Pipe Stands (m) 133.89																																																																															
0 Drill Pipe Singles (m) 0.00																																																																															
Weight of DC (kdaN) 16 Kelly Down (m) 11.55																																																																															
Weight of string (kdaN) 26 Total (m) 341.00																																																																															
TOUR 2										SIGNATURE OF DRILLER										ROMEO DASTOUS										START TIME										08.00										END TIME										16.00																			
DRILLING ASSEMBLY										BITS										MUD RECORD										MUD MATERIALS ADDED										METRES DRILLED										HOLE CONDITION										TIME LOG																			
No. Component ID (mm) OD (mm) Length (m)										Bit Number Size (mm) WDC Code Manufacturer Type Serial No Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Mud Type Water (%) Oil (%) Other (%) Time Density (kg/m³) Funnel Viscosity (cP) Fluid Loss (cm³/hr) pH Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Product Amount Type MF-VIS 1 SACK SAWDUST 1 SACK CALCIUM NITRATE 2 SACK HYPERDRILLAGE 247RD 1 SACK DETERGENT 1 SACK										From (m) To (m) D-R-C RPM WOB (kdaN)										Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)										From To Elapsed Code Details of Operations in Sequence & Remarks																			
1 BIT 311 0.30										1 311										1 11.00 13.00 15.00																																																		08.00 08.15 0.25 7 RIG SERVICE FUNCTION H.C.R WHEN OUT OF HOLE									
1 REAMER PT ROLLER 203 1 2.85										1 203										1 1120 1120 1120																																																		08.15 09.00 0.75 60 LAY DOWN BHA									
1 BIT SUB 203 58 0.71										1 203										1 45 57 60																																																		09.00 10.15 1.25 60 PICK UP NEW BHA & RUN IN HOLE TO 82 M									
1 BELL SUB 158 58 0.76										1 158																																																		10.15 14.00 3.75 30 REAM - OPEN HOLE FROM 82 M TO 200MBRIDGE OFF @ 166M 190M 254M																			
1 DC (6.25 IN) 158 58 54.79										1 158																																																		14.00 14.45 0.75 6A TRIP IN HOLE ACCUM TIME																			
1 PONY DC 158 58 4.62										1 158																																																		14.45 16.00 1.25 50 CIRCULATE AND CLEAN TO BITM FROM 330 TO 362 M																			
1 JARS-HYD 158 58 5.30										1 158																																																																					
1 DC (6.25 IN) 158 58 73.35										1 158																																																																					
1 X/O 158 58 0.27										1 158																																																																					
1 HWDP (4.0 IN) 135 68 55.46										1 135																																																																					
8 Drill Pipe Stands (m) 153.01																																																																															
0 Drill Pipe Singles (m) 0.00																																																																															
Weight of DC (kdaN) 16 Kelly Down (m) 11.55																																																																															
Weight of string (kdaN) 26 Total (m) 362.97																																																																															
TOUR 3										SIGNATURE OF DRILLER										PETER MWANCZYK										START TIME										16.00										END TIME										24.00																			
DRILLING ASSEMBLY										BITS										MUD RECORD										MUD MATERIALS ADDED										METRES DRILLED										HOLE CONDITION										TIME LOG																			
No. Component ID (mm) OD (mm) Length (m)										Bit Number Size (mm) WDC Code Manufacturer Type Serial No Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Mud Type Water (%) Oil (%) Other (%) Time Density (kg/m³) Funnel Viscosity (cP) Fluid Loss (cm³/hr) pH Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Product Amount Type SAWDUST 25 SACK DRISPAK PLUS REGULAR 1 SACK GEL 25 SACK MF-VIS 2 SACK										From (m) To (m) D-R-C RPM WOB (kdaN)										Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)										From To Elapsed Code Details of Operations in Sequence & Remarks																			
1 BIT 311 0.30										1 311										1 18.30 21.30 22.00																																																		16.00 17.45 1.75 2 DRILL FROM 362 TO 377M									
1 REAMER PT ROLLER 203 1 2.85										1 203										1 1115 1100 1100																																																		17.45 18.00 0.25 5 CONDITION MUD & CIRCULATE @ D									
1 BELL SUB 158 58 0.71										1 158										1 51 51 56																																																		18.00 18.15 0.25 21 HAND OVER SAFETY MEETING									
1 DC (6.25 IN) 158 58 54.79										1 158																																																		18.15 18.45 1.50 5 CONDITION MUD & CIRCULATE @ D																			
1 PONY DC 158 58 4.62										1 158																																																		19.45 20.00 0.25 10 DEVIATION SURVEY @ 371M WIRELINE AND BLOW KELLY																			
1 JARS-HYD 158 58 5.30										1 158																																																		20.00 20.45 0.75 6B TRIP OUT OF HOLE, PULLED OUT 5 SINGLES, IT PULLED TIGHT, RUN BACK TO BOTTOM																			
1 DC (6.25 IN) 158 58 73.35										1 158																																																		20.45 21.15 0.50 5 CIRC AND CONDITION MUD																			
1 X/O 158 58 0.27										1 158																																																		21.15 21.30 0.25 7 RIG SERVICE																			
1 HWDP (4.0 IN) 135 68 55.46										1 135																																																		21.30 22.30 1.00 5 CONDITION MUD & CIRCULATE																			
9 Drill Pipe Stands (m) 172.20																																																																															
0 Drill Pipe Singles (m) 0.00																																																																															
Weight of DC (kdaN) 16 Kelly Down (m) 6.89																																																																															
Weight of string (kdaN) 26 Total (m) 377.50																																																																															
TOUR 4										SIGNATURE OF DRILLER										PETER MWANCZYK										START TIME										24.00										END TIME										00.00																			
DRILLING ASSEMBLY										BITS										MUD RECORD										MUD MATERIALS ADDED										METRES DRILLED										HOLE CONDITION										TIME LOG																			
No. Component ID (mm) OD (mm) Length (m)										Bit Number Size (mm) WDC Code Manufacturer Type Serial No Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Mud Type Water (%) Oil (%) Other (%) Time Density (kg/m³) Funnel Viscosity (cP) Fluid Loss (cm³/hr) pH Location Depth (m) PVI (m) Depth Out (m) Depth In (m) Hrs Run Today Cumulative Hrs Run Entry Date										Product Amount Type DRISPAK PLUS REGULAR 3 SACK STARDRILL 6 SACK CAL CARB 10 6 SACK										From (m) To (m) D-R-C RPM WOB (kdaN)										Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)										From To Elapsed Code Details of Operations in Sequence & Remarks																			
1 BIT 311 0.30										1 311										1 01.00 03.00 06.00																																																		00.00 04.00 4.00 3 REAMING FROM 68M TO 67M									
1 BIT SUB 203 58 0.71										1 203										1 1120 1120 1120																																																		04.00 05.15 1.25 60 LAY DOWN SHAFT LAY OUT COLLARS OUT OF DERRICK 1									
1 BELL SUB 158 58 0.76										1 158										1 51 47 39																																																		05.15 08.00 0.75 3 REAMING FROM 67M TO 108									
1 DC (6.25 IN) 158 58 54.79										1 158																																																		06.00 06.15 0.25 21 HAND OVER SAFETY MEETING																			
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0 Drill Pipe Singles (m) 0.00																																																																															
Weight of DC (kdaN) 16 Kelly Down (m) 6.89																																																																															
Weight of string (kdaN) 26 Total (m) 377.50																																																																															

FRONT PAGE SUMMARY: Tour Sheet Serial Number: 0152245, Vendor Software Version: 20100223_1A, Pason. DAILY CHECKS: 1) Daily Walk Around Inspection, 2) Detailed Inspection - Weekly (Using Check List), 3) MPS Safety Periods & Remedial, 4) Well Licence & Stock Diagram Period, 5) Flare Lines Staked, 6) SDP Grate Performed, 7) Visually Inspected 90° - Flare Lines & Grasses Lines. FUEL @ 08:00 HOURS: Rig, Boiler, Op Fuel. WEATHER: Time 06:00, Temp -13, Current Conditions CLEAR, Wind Direction NE, Wind Strength UP TO 19 KM/H, Road Condition FAIR. DRILL PIPE: Category, Thread Type, Grade, OD (mm), ID (mm), Linear Mass (kg/m), No. of Joints, Total Joint OD (mm). MUD PUMPS: No., Make, Stroke Length (mm), Hours. GENERAL EQUIPMENT & SERVICES: Description, Hours. License No., Operator, Contractor, Well Type, Well Name, Spud Date, Time, Re-Entry, Signature of Operator Representative, Signature of Contractor's Rig manager, Rig Release Date, Time.

TOUR 1: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. Details of Operations in Sequence & Remarks: TRIP OUT OF HOLE WITH PIPE SPINNER, TRIP IN HOLE WITH PIPE SPINNER PICK UP KELLY @ 250M TO 265M, 280M TO 285M, 315M TO 334M, 36M TO 377.5M. CONDITION MUD & CIRCULATE, BLOW KELLY GET FLOOR READY TO TRIP, RIG SERVICE FUNCTION ANNUAL 17 SEC C, HAND OVER SAFETY MEETING, RIG REPAIR WORK ON CHANGING FAN HUB, BLOW KELLY & TRIP OUT OF HOLE TO RUN CASING.

TOUR 2: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. Details of Operations in Sequence & Remarks: TRIP OUT OF HOLE SLOW USE PIPE SPINNER TRIP VOL CAL3.36 ACT 3.89 DIFF 53, WORK PIPE TIGHT AT 228/18W/122 M PICK UP KELLY AND CIRC THROUGH TIGHT SPOT, CONT TRIP OUT OF HOLE SLOW USING PIPE SPINNER, LAY DOWN BHA, REAMER, CLEAN BIT, MAKE UP BIT TRIP IN HOLE WITH BIT, PICK UP KELLY & CLEAN HOLE @ 274M, FINISH TRIP IN HOLE, CIRCULATE AND CLEAN TO BITM FROM 350M TO 377M, CONDITION MUD & CIRCULATE @ T.D.

TOUR 3: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. Details of Operations in Sequence & Remarks: RIG SERVICE FUNCTION ANNUAL 17 SEC CLOSE, BLOW KELLY TRIP OUT OF HOLE SLOW USING PIPE SPINNER, TRIP VOL MEASURED, 3.33m3 CAL, HAND OVER SAFETY MEETING, TRIP OUT OF HOLE, FINISH TRIP BRAKE BIT OF, CLEAN FLOOR PRIOR TO RIGGING IN TONG HAND, SAFETY MEETING WITH TONG HAND, RIG TO AND RUN CASING, CONDITION MUD & CIRCULATE (6M OF FILL HAD TO FEATHER PUMP IN AND OUT).

FRONT PAGE SUMMARY

Job No.	245	Well Name	Para et al Cameron N-06	Surface Location	40 55 49 30W/117 31 N	Prev Log No.	NT	Log No.	300N066010117300	Unit	S
License No.	2067	Operator	PARAMOUNT RESOURCES LTD	Contractor	PRECISION DRILLING, DIV OF PDC	Well Type	VERT	Re-Entry			
Signature of Operator Representative		Signature of Contractor's Rig Manager		Signature of Contractor's Rig Manager		Spud Date	2010/02/19	Time	15:39		
Signature of Operator Representative		Signature of Contractor's Rig Manager		Signature of Contractor's Rig Manager		Rig Release Date		Time			

DRILL PIPE

Category	Thrust Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint OD (mm)
DP	4"FH	SSBS	102	65	23.8300	185	
DC	4 5/8"XH	DC	158	58	134.0000	18	
FW	4" FH	FWOP	102	65	41.6400	6	

WEATHER

Time	06:00
Temp	-17
Current Conditions	CLEAR
Wind Direction	NE
Wind Strength	UP TO 18 KMH
Read Condition	FAIR

FUEL @ 08:00 HOURS

Rig	65
Boiler	0
Op Fuel	

MUD PUMPS

No.	Make	Stroke Length (mm)
1	BPMP	229
2	BPMP	229

CASING

Category	Make	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Length (m)	KS to CSG Head (m)	KS to CSG Bottom (m)
SURFACE	JKSIDE	J-55	219	205	35.71	28	378	4	372

GENERAL EQUIPMENT & SERVICES

Description	Hours
MUD PUMP	24.00
MANIFOLD	24.00
LOADER	24.00

SHAPE SHAKERS

No.	Top Screen	Middle Screen	Middle Screen	Bottom Screen
1	50	60	84	90

SHAPE SHAKERS

No.	Top Screen	Middle Screen	Middle Screen	Bottom Screen
1	50	60	84	90

TOUR 1

DRILLING ASSEMBLY

No.	Component	EO (mm)	ID (mm)	Length (m)
1	BIT	311	0	0.30
1	BIT SUB	203	58	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	58	54.78
1	PONY DC	158	58	4.62
1	JARS-HYD	158	58	5.30
7	DC (6.25 IN)	158	58	64.54
1	X/O	158	58	0.27
6	HWDP (4.0 IN)	135	68	55.46

BITS

Bit Number	3
Size (mm)	200
ADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	10.3 10.3 10.3
Depth In (m)	377
Total Drilled (m)	4
Hrs Run Today	
Cumulative Hrs Run	0.00
Entry Date	2010/02/25

DULL GRADE

Drill Pipe	Stands (m)	172.20	
Drill Pipe	Singles (m)	0.00	
Weight of DC (kg)	16	Kelly Down (m)	9.74
Weight of string (kg)	26	Total (m)	370.28

SIGNATURE OF DRILLER

ROMEO DASTOUS

MUD RECORD

Mud Type	Water	Oil	Other	ELC
Time	15:45			
Density (kg/m³)	1010			
Funnel Viscosity (cP)	28			
Fluid Loss (cm)				
pH	11			
Location	SHAKER			
Depth (m)	380			
PVT (m/s)	75			

MUD MATERIALS ADDED

Product	Amount	Type
ALKAPAM A-1103D	4	SACK
CALCIUM NITRATE	4	SACK
SULPHAMIC ACID	4	SACK
DETERGENT	1	PAIL

METRES DRILLED

From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
377	382	DRILL	90	3

REDUCED PUMP SPEED

No.	Pressure (kpa)	Strokes/min	Depth (m)
1	1850	69	381
2	152	0	0.00

CIRCULATION

Pump	Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	single	152	80	2700	4.00
2	single	152	0	2700	0.00

SOLIDS CONTROL

Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)

SAFETY

Safety Topic	MEHL (kg)	MACP (kg)
PRESS TESTING B.O.P.	20	

START TIME

00 00

END TIME

06 00

HOLE CONDITION

Hole Drag Up (kdaN)	
Hole Drag Down (kdaN)	
Torque at Bottom (Nm)	
Fill on Bottom (m)	

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
09:00	09:15	0.25	21	SAFETY MEETING PRIOR TO PRESS TEST B.O.P.
09:15	09:30	3.25	15A	PRESSURE TEST BOPS ALL MANIFOLD SHACK VALVE ALL FLANGE H.C.R VALVE OUTSIDE MANUAL VALVE TO 1500 KPA LOW/14000 HIGH 15 MIN EACH
09:30	09:00	2.50	15A	MAKE UP TEST PLUG PRESSURE TEST ANNULAR 10500KPA PIPE RAMS BLIND RAM HCR BOTH KILL LINE VALVE CHECK VALVE STABBING VALVE INSIDE B.O.P. UPPER KELLY COCK TO 1500KPA LOW 14000 KPA HIGH 10 MINEACH
09:00	09:15	0.25	21	HAND OVER SAFETY MEETING
09:15	09:15	1.00	15A	CONT PRESSURE TEST BOPS FUNCTION MOTOR KILL FUNCTION ACCUMULATOR CHECK PRESS AT START 21000 KPA ACCUM CHECK START PRESS 21000 REMAINING PRESS 12500 PRESS LOST 8500 TIME RECHARGE 1M18 SEC PRECHARGE 6700 KPA N2 BOTTLE #2100#2100#31600
09:15	09:00	0.75	6	RUN IN DC'S

Remarks: FUNC. CROWN SAVER
INSPECTED BRAKES & LINKAGES, TONGS, DIES, & HOLDBACK LINES, SLIPS & DIES
BLEW BOILER 4X150L

START TIME

08 00

END TIME

16 00

HOLE CONDITION

Hole Drag Up (kdaN)	1
Hole Drag Down (kdaN)	2
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
08:00	08:45	0.75	6	RUN IN DC'S
08:45	09:45	1.00	15A	PRESSURE TEST UPPER/LOWER KELLY COCK/1400KPa LOW 7000KPa HIGH 10 MIN EACH TEST
09:45	11:00	1.25	21	HAZARD HUNT AND PRE SPUD SAFETY MEETING CREW WELL SUPERVISOR AND RIG MANAGER/MAIN TOPIC SPILL AND POTENTIAL OF HOLE PROBLEM
11:00	11:45	0.75	6	CONT TO RUN IN W/H/A
11:45	12:30	0.75	21	B.O.P. DRILL W/CREW AND RIG MANAGER
12:30	15:15	2.75	2C	DRILL OUT FLOAT/SHOE TAG CEMENT AT (352M)
15:15	16:00	0.75	2	DRILL 200mm HOLE F/ 377m TO 382m

Remarks: FUNC. CROWN SAVER, FLARE TANK IGNITOR
INSPECTED BRAKES UNLOAD ROLLERS & PNEU TONGS DIES & HOLE BACK LINES SLIPS & DIES BOP HYDRAULIC LINES CHASE CHAIN DEWASHER LINE FLARE LINE AND FLARE TANK
VISUALLY INS ESCAPE LINE ESCAPE BUGGY F.B

TOUR 2

DRILLING ASSEMBLY

No.	Component	EO (mm)	ID (mm)	Length (m)
1	BIT	200	0	0.24
1	BIT SUB	203	64	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	65	54.78
1	DC-PONY	158	58	4.62
1	JARS-HYD	158	65	5.30
7	DC (6.25 IN)	158	65	64.54
1	X/O	158	1	0.27
6	HWDP (4.0 IN)	135	1	55.46

BITS

Bit Number	3
Size (mm)	200
ADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	10.3 10.3 10.3
Depth In (m)	377
Total Drilled (m)	4
Hrs Run Today	0.75
Cumulative Hrs Run	0.75
Entry Date	2010/02/25

DULL GRADE

Drill Pipe	Stands (m)	153.01	
Drill Pipe	Singles (m)	9.59	
Weight of DC (kg)	12	Kelly Down (m)	11.55
Weight of string (kg)	22	Total (m)	362.43

SIGNATURE OF DRILLER

ROMEO DASTOUS

MUD RECORD

Mud Type	Water	Oil	Other	ELC
Time	15:45			
Density (kg/m³)	1010			
Funnel Viscosity (cP)	28			
Fluid Loss (cm)				
pH	11			
Location	SHAKER			
Depth (m)	380			
PVT (m/s)	75			

MUD MATERIALS ADDED

Product	Amount	Type
ALKAPAM A-1103D	4	SACK
CALCIUM NITRATE	4	SACK
SULPHAMIC ACID	4	SACK
DETERGENT	1	PAIL

METRES DRILLED

From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
377	382	DRILL	90	3

REDUCED PUMP SPEED

No.	Pressure (kpa)	Strokes/min	Depth (m)
1	1850	69	381
2	152	0	0.00

CIRCULATION

Pump	Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	single	152	80	2700	4.00
2	single	152	0	2700	0.00

SOLIDS CONTROL

Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)

SAFETY

Safety Topic	MEHL (kg)	MACP (kg)
BOP DRILL	22	

START TIME

16 00

END TIME

24 00

HOLE CONDITION

Hole Drag Up (kdaN)	0
Hole Drag Down (kdaN)	0
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:15	0.25	7	RIG SERVICE/FUNC. PIPE RAMS 2SEC. TO CLOSE
16:15	17:30	1.25	2	DRILL 200mm HOLE F/ 382m TO 400m
17:30	17:45	0.25	10	SURVEY @ 388m 0.5deg
17:45	18:00	0.25	21	HAND OVER SAFETY MEETING
18:00	19:45	1.75	2	DRILL 200mm HOLE F/ 400m TO 428M
19:45	20:00	0.25	21	SAFETY MEETING B.O.P. DRILL WITH CREW RIG MANAGER DRILLING FOREMAN WELL SECURE 1M 40 SEC
20:00	23:00	3.00	2	DRILL FROM 428 M TO 476M
23:00	23:15	0.25	10	DEVIATION SURVEY
23:15	24:00	0.75	2	DRILL FROM 476 M TO 486 M

Remarks: VISUALLY INS BRAKE PINS ROLLER/LINKAGE TONGS BACK UP LINES DP&DC SLIP&SD ELEVATOR BREAK OUT MAKE UP LINE CHECK STABBING VALVE
VISUALLY CHECK ALL B.O.P EQUIPMENT OK/DEGASER AND FLARE LINE
CHECK CROWN SAVER DEAD MAN BOLTS, NUTS OK, BLOW BOILER 4X150 LITER

START TIME

16 00

END TIME

24 00

HOLE CONDITION

Hole Drag Up (kdaN)	0
Hole Drag Down (kdaN)	0
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:15	0.25	7	RIG SERVICE/FUNC. PIPE RAMS 2SEC. TO CLOSE
16:15	17:30	1.25	2	DRILL 200mm HOLE F/ 382m TO 400m
17:30	17:45	0.25	10	SURVEY @ 388m 0.5deg
17:45	18:00	0.25	21	HAND OVER SAFETY MEETING
18:00	19:45	1.75	2	DRILL 200mm HOLE F/ 400m TO 428M
19:45	20:00	0.25	21	SAFETY MEETING B.O.P. DRILL WITH CREW RIG MANAGER DRILLING FOREMAN WELL SECURE 1M 40 SEC
20:00	23:00	3.00	2	DRILL FROM 428 M TO 476M
23:00	23:15	0.25	10	DEVIATION SURVEY
23:15	24:00	0.75	2	DRILL FROM 476 M TO 486 M

Remarks: VISUALLY INS BRAKE PINS ROLLER/LINKAGE TONGS BACK UP LINES DP&DC SLIP&SD ELEVATOR BREAK OUT MAKE UP LINE CHECK STABBING VALVE
VISUALLY CHECK ALL B.O.P EQUIPMENT OK/DEGASER AND FLARE LINE
CHECK CROWN SAVER DEAD MAN BOLTS, NUTS OK, BLOW BOILER 4X150 LITER

TOUR 3

DRILLING ASSEMBLY

No.	Component	EO (mm)	ID (mm)	Length (m)
1	BIT	200	0	0.24
1	BIT SUB	203	64	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	65	54.78
1	DC-PONY	158	58	4.62
1	JARS-HYD	158	65	5.30
7	DC (6.25 IN)	158	65	64.93
1	X/O	158	1	0.27
6	HWDP (4.0 IN)	135	1	55.46

BITS

Bit Number	3
Size (mm)	200
ADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	10.3 10.3 10.3
Depth In (m)	377
Total Drilled (m)	109
Hrs Run Today	6.75
Cumulative Hrs Run	7.50
Entry Date	2010/02/25

DULL GRADE

Drill Pipe	Stands (m)	286.35	
Drill Pipe	Singles (m)	0.00	
Weight of DC (kg)	12	Kelly Down (m)	11.55
Weight of string (kg)	24	Total (m)	486.57

SIGNATURE OF DRILLER

ROMEO DASTOUS

MUD RECORD

Mud Type	Water	Oil	Other	ELC
Time	18:00			
Density (kg/m³)	1020			
Funnel Viscosity (cP)	28			
Fluid Loss (cm)				
pH	10			
Location	SHAKER			
Depth (m)	410			
PVT (m/s)	75			

MUD MATERIALS ADDED

Product	Amount	Type
ALKAPAM A-1103D	4	SACK
CALCIUM NITRATE	4	SACK
SULPHAMIC ACID	4	SACK
DETERGENT	1	PAIL

METRES DRILLED

From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
382	486	DRILL	95	3

REDUCED PUMP SPEED

No.	Pressure (kpa)	Strokes/min	Depth (m)
1	1400	69	410
2	152	0	0.00

CIRCULATION

Pump	Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	single	152	110	3800	8.00
2	single	152	0	3800	0.00

SOLIDS CONTROL

Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)
UNITED	8.00	1050	1010	1020

SAFETY

Safety Topic	MEHL (kg)	MACP (kg)
CONNECTIONS/ B.O.P DRILL DISCUSSED HRS INCIDENT	11	2000

START TIME

16 00

END TIME

24 00

HOLE CONDITION

Hole Drag Up (kdaN)	0
Hole Drag Down (kdaN)	0
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:15	0.25	7	RIG SERVICE/FUNC. PIPE RAMS 2SEC. TO CLOSE
16:15	17:30	1.25	2	DRILL 200mm HOLE F/ 382m TO 400m
17:30	17:45	0.25	10	SURVEY @ 388m 0.5deg
17:45	18:00	0.25	21	HAND OVER SAFETY MEETING
18:00	19:45	1.75	2	DRILL 200mm HOLE F/ 400m TO 428M
19:45	20:00	0.25	21	SAFETY MEETING B.O.P. DRILL WITH CREW RIG MANAGER DRILLING FOREMAN WELL SECURE 1M 40 SEC
20:00	23:00	3.00	2	DRILL FROM 428 M TO 476M
23:00	23:15	0.25	10	DEVIATION SURVEY
23:15	24:00	0.75	2	DRILL FROM 476 M TO 486 M

Remarks: VISUALLY INS BRAKE PINS ROLLER/LINKAGE TONGS BACK UP LINES DP&DC SLIP&SD ELEVATOR BREAK OUT MAKE UP LINE CHECK STABBING VALVE
VISUALLY CHECK ALL B.O.P EQUIPMENT OK/DEGASER AND FLARE LINE
CHECK CROWN SAVER DEAD MAN BOLTS, NUTS OK, BLOW BOILER 4X150 LITER

START TIME

16 00

END TIME

24 00

HOLE CONDITION

Hole Drag Up (kdaN)	0
Hole Drag Down (kdaN)	0
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

TIME LOG

From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:15	0.25	7	RIG SERVICE/FUNC. PIPE RAMS 2SEC. TO CLOSE
16:15	17:30	1.25	2	DRILL 200mm HOLE F/ 382m TO 400m
17:30	17:45	0.25	10	SURVEY @ 388m 0.5deg
17:45	18:00	0.25	21	HAND OVER SAFETY MEETING
18:00	19:45	1.75	2	DRILL 200mm HOLE F/ 400m TO 428M
19:45	20:00	0.25	21	SAFETY MEETING B.O.P. DRILL WITH CREW RIG MANAGER DRILLING FOREMAN WELL SECURE 1M 40 SEC
20:00	23:00	3.00	2	DRILL FROM 428 M TO 476M
23:00	23:15	0.25	10	DEVIATION SURVEY
23:15	24:00	0.75	2	DRILL FROM 476 M TO 486 M

Remarks: VISUALLY INS BRAKE PINS ROLLER/LINKAGE TONGS BACK UP LINES DP&DC SLIP&SD ELEVATOR BREAK OUT

FRONT PAGE SUMMARY										DAILY CHECKS										FUEL @ 08:00 HOURS										DRILL PIPE										MUD PUMPS										GENERAL EQUIPMENT & SERVICES																																																																																									
Tour Sheet Serial Number: 0552245, 20100225, 18 Pason 2010 02 25										11 Daily Walk Around Inspection 22 Detailed Inspection - Weekly (Using Check List) 31.1/25 Super Permitted if Retained 41 Well Licence & Stock Diagram Posted 51 Hara Lines Staked 61 BOP Drills Performed 71 Velocity Inspected 80% - Flow Lines & Dragger Lines										Rig Boiler Op Fuel WEATHER Time Temp Current Conditions Wind Direction Wind Strength Road Condition										Category Thread Type Grade OD (mm) ID (mm) Linear Mass (kg/m) No. of Joints Total Joint OD (mm)										No. Make Stroke Length (mm)										Description Hours																																																																																									
Fig No Well Name Surface Location Prev Loc Type Unique Well ID Kelly Rating										11 Rig Site Health & Safety Meeting (once/monthly) 21 CASDOC Rig Safety Inspection Checklist (once/monthly) 31 Alert Inspection before Raising or Lowering 41 Crown Saver Checked 51 Motor Kicks Checked																																																																																																																																	
245 Para et al Cameron N-06 55° 05' 43.85N 117° 31' 11.15W																																																																																																																																											
License No Operator Contractor										Well Type Re-Entry																																																																																																																																	
2067 PARAMOUNT RESOURCES LTD										PRECISION DRILLING, DIV OF PDC																																																																																																																																	
Operator's Affc										Contractor's Job No										Spot Date Time																																																																																																																							
09N010011										255										2010/02/19 15:30																																																																																																																							
Signature of Operator Representative										Signature of Contractor & Rig manager										Rig Release Date Time																																																																																																																							
JOSH BLINSTON										ERICK BIGRAS																																																																																																																																	

FRONT PAGE SUMMARY

Job No.	Well Name	Surface Location	Prev Loc Type	Unique Well ID	Well Status
245	Para at Cameron N-06	40 55 49.20W/17 31 13.12N	NT	300NG06010117300	5
License No.	Operator	Contractor	Well Type	Re-Entry	
2067	PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC	VERT	☐	
Operator's A/E	Contractor's Job No.	Spud Date	Time		
09NO10011	355	2010/02/19	15:30		
Signature of Operator Representative	Signature of Contractor's Rig manager	Rig Release Date	Time		
QOSH BLINSTON	ERICK BIGRAS				

SAFETY CHECKS	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

FUEL @ 08:00 HOURS	
Rig	161
Boiler	0
Op Fuel	
Time	06:00
Temp	-20
Current Conditions	CLEAR
Wind Direction	NE
Wind Strength	UP TO 19 KMH
Road Condition	FAIR

DRILL PIPE							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint OD (mm)
DP	4"FH	SSBS	102	85	23.8300	145	
DC	4.5"XH	DC	158	58	134.0000	18	
HW	4"FH	HWDP	102	65	41.6400	6	

MUD PUMPS		
No.	Make	Stroke Length (mm)
1	3PMMP	229
2	3PMMP	229

GENERAL EQUIPMENT & SERVICES	
Description	Hours
MUD PUMP	24.00
MANIFOLD	24.00
LOADER	24.00



TOUR 1

DRILLING ASSEMBLY			
No.	Component	ID (mm)	Length (m)
1	BIT	200	0.24
1	BIT SUB	158	0.71
1	TELEDRIFT	158	1.25
6	DC (6.25 IN)	158	54.79
1	DC-PONY	158	5.42
1	JARS-HYD	158	5.30
7	DC (6.25 IN)	158	64.53
1	XJO	158	1.07
6	HWDP (4.0 IN)	135	55.46
31	Drill Pipe	Standards (m)	562.31
1	Drill Pipe	Single (m)	9.60
Weight of DC (kg/m)	Kelly Down (m)	7.82	
Weight of string (kg/m)	Total (m)	709.00	

BITS	
Bit Number	3
Size (mm)	200
UADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	377
Depth In (m)	510
Total Drilled (m)	7.25
Hrs Run Today	36.50
Cumulative Hrs Run	36.50
Entry Date	2010/02/27
DULL GRADE	
Gage (mm)	0.00
Reason Pulled	
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	07:00
Density (kg/m³)	1040
Funnel Viscosity (cP)	28
Fluid Loss (cm)	
pH	8
Location	SHAKER
Depth (m)	875
PVT (m)	51

MUD MATERIALS ADDED		
Product	Amount	Type
CALCIUM NITRATE	2	SACK
MF-VIS	1	SACK

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
798	887	DRILL	90	5

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	1800	69	801

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
88	8.00	10.5	310.00

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
00:00	00:15	0:25	7	RIG SERVICE FUNCTION PIPE RAMS SEED TO CLOSE
00:15	00:00	5:75	2	DRILL F/ 798M TO 864M
00:00	00:15	0:25	21	HAND OVER SAFETY MEETING
00:15	00:30	0:25	2	DRILL F/ 864M TO 868M
00:30	00:45	0:25	10	SURVEY @ 867M 0.5 DEG
00:45	00:00	1:25	2	DRILL F/ 868M TO 887M
Remarks: CHECK BRAKE PINS, LINKAGE, ROLLER SAFETY PINS, FUNCTION CROWN SAVER OK CHECK TONGS, PINS, SLIPS, BACK UP LINE, MAKE UP + BREAK OUT LINE, SAFETY HOOK + TUGGER LINE, BOOM LINE, CHECK STABBING VALVE, REMOTE D.P. PRESS GAUGE, BLOW BOILER 4X150 LITER.				

TOUR 2

DRILLING ASSEMBLY			
No.	Component	ID (mm)	Length (m)
1	BIT	200	0.24
1	BIT SUB	158	0.71
1	TELEDRIFT	158	1.25
6	DC (6.25 IN)	158	54.79
1	DC-PONY	158	5.42
1	JARS-HYD	158	5.30
7	DC (6.25 IN)	158	64.53
1	XJO	158	1.07
6	HWDP (4.0 IN)	135	55.46
36	Drill Pipe	Standards (m)	687.89
0	Drill Pipe	Single (m)	0.00
Weight of DC (kg/m)	Kelly Down (m)	10.84	
Weight of string (kg/m)	Total (m)	887.00	

BITS	
Bit Number	3
Size (mm)	200
UADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	377
Depth In (m)	606
Total Drilled (m)	7.50
Hrs Run Today	44.00
Cumulative Hrs Run	44.00
Entry Date	2010/02/27
DULL GRADE	
Gage (mm)	0.00
Reason Pulled	
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	09:00
Density (kg/m³)	1040
Funnel Viscosity (cP)	28
Fluid Loss (cm)	15.0
pH	8
Location	SHAKER
Depth (m)	898
PVT (m)	51

MUD MATERIALS ADDED		
Product	Amount	Type
CALCIUM NITRATE	8	SACK
LIME	2	SACK
MF-VIS	4	SACK
GRASPAC PLUS REGULAR	3	SACK
SAWDUST	20	SACK
HYPERDRILLF247RD	3	SACK
ALKAPAM A-1103D	3	SACK
CAL CARR 'O'	10	SACK

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
887	983	DRILL	90	3

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	2100	69	954

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
98	8.00	10.5	310.00

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
08:00	08:15	0:25	7	RIG SERVICE/FUNC. ANNULAR 12SEC. TO CLOSE
08:15	13:00	4:75	2	DRILL F/ 887M TO 944M
13:00	13:15	0:25	10	SURVEY @ 942M 0.5 DEG
13:15	16:00	2:75	2	DRILL F/ 944M TO 983M
Remarks: QWA FUNC. CROWN SAVER, FLARE TANK IGNITOR INSPECTED BRAKES, LINKAGES, ROLLERS & PINS, TONGS, DIES, & HOLD BACK LINES, SLIPS & DIES, ELEVATORS, AND DEAD MAN VISUALLY INSPECT FLARE & DEGASSER LINES & FLARE TANK BLEW BOILER 4X150 LITER				

TOUR 3

DRILLING ASSEMBLY			
No.	Component	ID (mm)	Length (m)
1	BIT	200	0.24
1	BIT SUB	158	0.71
1	TELEDRIFT	158	1.25
6	DC (6.25 IN)	158	54.79
1	DC-PONY	158	5.42
1	JARS-HYD	158	5.30
7	DC (6.25 IN)	158	64.53
1	XJO	158	1.07
6	HWDP (4.0 IN)	135	55.46
41	Drill Pipe	Standards (m)	783.24
0	Drill Pipe	Single (m)	0.00
Weight of DC (kg/m)	Kelly Down (m)	11.49	
Weight of string (kg/m)	Total (m)	983.00	

BITS	
Bit Number	3
Size (mm)	200
UADC Code	
Manufacturer	VAREL
Type	VT0513HX
Serial No.	4000287
Jets (mm)	10.3 10.3 10.3 10.3
Depth Out (m)	377
Depth In (m)	673
Total Drilled (m)	4.50
Hrs Run Today	48.50
Cumulative Hrs Run	48.50
Entry Date	2010/02/27
DULL GRADE	
Gage (mm)	0.00
Reason Pulled	
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	18:00
Density (kg/m³)	1080
Funnel Viscosity (cP)	37
Fluid Loss (cm)	12.0
pH	8
Location	SHAKER
Depth (m)	898
PVT (m)	51

MUD MATERIALS ADDED		
Product	Amount	Type
CALCIUM NITRATE	8	SACK
LIME	2	SACK
MF-VIS	4	SACK
GRASPAC PLUS REGULAR	3	SACK
SAWDUST	20	SACK
HYPERDRILLF247RD	3	SACK
ALKAPAM A-1103D	3	SACK
CAL CARR 'O'	10	SACK

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
983	1050	DRILL	90	4

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	3300	69	1021

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
98	8.00	10.5	310.00

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:15	0:25	7	RIG SERVICE/FUNC. HCR 2SEC. TO OPEN
16:15	18:00	1:75	2	DRILL F/ 983M TO 1011M
18:00	18:15	0:25	21	HAND OVER SAFETY MEETING
18:15	18:00	0:75	2	DRILL F/ 1011M TO 1021M
18:00	19:15	0:25	10	DEVIATION SURVEY
10:15	22:00	2:75	2	DRILL F/ 1021M TO 1050M
22:00	22:15	0:25	10	DEVIATION SURVEY
22:15	22:45	0:50	5	CONDITION MUD & CIRCULATE
22:45	24:00	1:25	0M	PUMP PILL, BLOW KELLY'S WIPER TRIP TO SHOE SLOW TRIP FLOW CHECK @ 1037, 941.52M
Remarks: CHECK BRAKE PINS, LINKAGE, ROLLER SAFETY PINS, FUNCTION CROWN SAVER OK CHECK SLIPS, ELEVATOR, TONGS & PINS, BACK UP LINE, BREAK OUT MAKE UP CABLE CHECK STABBING VALVE, REMOTE DP PRESS GAUGE, TUGGER, BOOM LINE SAFETY HOOK BLOW BOILER 4X150 LITER FUEL LOADER 250L				



Bottom Screen	
Changed	New
☐	☐
☐	☐
☐	☐

[illegible][illegible]



Pason
VIA

Pason
V129

Pason
V129

Pason
V129



FRONT PAGE SUMMARY		Job Sheet Serial Number	Vendor Software Version	Year	Month	Day
		DYS2245_20100302_1A	Pason	2010	03	02
Rig No.	Well Name	Surface Location	Prev Log Type	Unique Well ID	Key Running	
245	Parsa et al Cameron N-06	40 55 43 23N/117 31 W	NT	1A	LOC	300N066010117300
245	Parsa et al Cameron N-06	40 55 43 23N/117 31 W	NT	1A	LOC	300N066010117300
License No.	Operator	Contractor	Well Type	Well Type	Well Type	Well Type
2067	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT	VERT	VERT	VERT
Operator's AFI		Contractor's Job No	Start Date	Time		
GAND10011		355	2010/02/19	15:30		
Signature of Operator Representative		Signature of Contractor's Rig manager	Rig Release Date	Time		
JOSH BLINSTON		ERICK BIGRAS				

DAILY CHECKS		OP RM
1) Daily Work Around Inspection		QW/ER
2) Detailed Inspection - Weekly (Using Check List)		QW/ER
3) HPS Safety Period of Readiness		QW/ER
4) Well Leverage & Slack Diagram Posted		QW/ER
5) Flow Line Checked		QW/ER
6) BOP Drills Performed		QW/ER
7) Visually Inspected BOP - Flare Lines & Degasser Lines		QW/ER
1) Rig Site Health & Safety Meeting (one/week/month)		ER
2) LAUDC Rig Safety Inspection Checklist (one/week/month)		ER
3) Mast Inspection Before Raising or Lowering		ER
4) Crown Block Checked		ER
5) Motor With Checked		ER

FUEL @ 08:00 HOURS	
Rig	77
Boiler	0
Op Fuel	
WEATHER	
Time	06:00
Temp	1
Current Conditions	CLEAR
Wind Direction	NE
Wind Strength	UP TO 19 KM/H
Road Condition	FAIR

DRILL PIPE							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Length (m)
DP	4" FH	SS45	102	65	23.8300	185	
DP	4.5" XH	DC	158	58	134.0000	18	
HW	4" FH	HWDP	102	65	41.6400	6	
CASING							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Length (m)
SURFACE	LK SIDE	J-55	219	206	35.71	28	372

MUD PUMPS		
No.	Make	Stroke Length (mm)
1	BPMP	220
2	BPMP	220

GENERAL EQUIPMENT & SERVICES	
Description	Hours
MUD PUMP	24.00
MANIFOLD	24.00
LOADER	24.00



TOUR 1				
DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
1	BIT	200	0	0.24
1	BIT SUB	158	64	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	65	54.79
1	DC-PONY	158	58	4.62
1	JARS-HYD	158	65	5.30
7	DC (6.25 IN)	158	65	64.53
1	X/O	158	1	0.27
6	HWDP (4.0 IN)	135	1	55.46
G4 Drill Pipe		Standards (m)	1222.83	
G4 Drill Pipe		Singles (m)	0.00	
Weight of DC (kdaN)		12	Kelly Down (m)	2.80
Weight of string (kdaN)		41	Total (m)	1414.00

BITS	
Bit Number	4RR
Size (mm)	200
ADC Code	4 1 7
Manufacturer	VAREL
Type	HE18MSV
Serial No	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1413
Total Drilled (m)	
Hrs Run Today	
Cumulative Hrs Run	0.00
Entry Date	2010/03/02
DULL GRADE	
T	Gauge (mm)
U	ODC
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD				
Mud Type	Water			
Time	08:00			
Density (kg/m³)	1120			
Funnel Viscosity (mPa)	60			
Fluid Loss (cm³)	6.0			
pH	10			
Location	SHAKER			
Depth (m)	1396			
PVI (m)	44			
SOLIDS CONTROL				
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)
UNITED	8.00	1110	1090	1780
SAFETY				
Safety Topic	VFM (kdaN) WACP (kdaN)			
WORKING ON PUMP	43 2638			

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
1392	1413	DRILL	80	9
REDUCED PUMP SPEED				
No.	Pressure (kpa)	Stroke/min	Depth (m)	
1	3200	69	1392	
CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	3200	152	110	6100
2	3200	152	0	6100
BOILER				
No.	Hours Run	pH	Slack Temp (°C)	
98	8.00	11.5	310.00	
DEVIATION SURVEYS				
Time	Depth (m)	Deviation	Direction	Type
00:15	1392.00	3.5	0	TELEDRIFT

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
00:00	00:15	0:25	7	RIG SERVICE FUNCTION HYDRILL 13 SEC TO CLOSE
00:15	00:30	0:24	10	DEVIATION SURVEY @ 1392M DEVIATION 3.5 DEG
00:30	00:45	0:50	2	DRILL F/1392M TO 1413M
00:45	00:55	0:50	2	HAND OVER SAFETY MEETING
00:55	01:05	0:50	2	DRILL F/1413M TO 1413M
01:05	01:15	0:50	5	CIRCULATE HOLE CLEAN
01:15	01:30	0:25	10	SURVEY @ 1413M 3.0 DEG
01:30	01:45	0:50	6	PULL 5 STD'S PUMP PILL/FLOW CHECK @ 1410M
Remarks: CHECK SHAKE PINS LINKAGE. ROLLER SAFETY PINS. FUNCTION CROWN SAVER. CHECK TONGS. PINS BACK UP CABLE. MAKE UP BREAK OUT LINE. TUGGER BOOM LINE. SAFETY HOOK. CHECK REMOTE DP PRESS GAUGE. STABBING VALVE. DEAD MAN BOLTS. NUT. BLOW BOILER 4X 150 LITER.				

TOUR 2				
DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
1	BIT	200	0	0.24
1	BIT SUB	158	64	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	65	54.79
1	DC-PONY	158	58	4.62
1	JARS-HYD	158	65	5.30
5	DC (6.25 IN)	158	65	64.53
1	X/O	158	1	0.27
6	HWDP (4.0 IN)	135	1	55.46
G4 Drill Pipe		Standards (m)	1222.83	
G4 Drill Pipe		Singles (m)	0.00	
Weight of DC (kdaN)		12	Kelly Down (m)	1.80
Weight of string (kdaN)		43	Total (m)	1413.00

BITS	
Bit Number	4RR
Size (mm)	200
ADC Code	4 1 7
Manufacturer	VAREL
Type	HE18MSV
Serial No	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1413
Total Drilled (m)	
Hrs Run Today	
Cumulative Hrs Run	0.00
Entry Date	2010/03/02
DULL GRADE	
T	Gauge (mm)
U	ODC
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD				
Mud Type	Water			
Time	12:00			
Density (kg/m³)	1120			
Funnel Viscosity (mPa)	78			
Fluid Loss (cm³)	6.0			
pH	10			
Location	SHAKER			
Depth (m)	1415			
PVI (m)	46			
SOLIDS CONTROL				
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)
UNITED	8.00	1110	1090	1780
SAFETY				
Safety Topic	MEHL (kdaN) WACP (kdaN)			
TRIPPING	58 2602			

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
1413	1440	DRILL	88	8
REDUCED PUMP SPEED				
No.	Pressure (kpa)	Stroke/min	Depth (m)	
1	3900	70	1413	
CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	3900	152	0	0.00
2	3900	152	0	0.00
BOILER				
No.	Hours Run	pH	Slack Temp (°C)	
98	8.00	10.5	310.00	
DEVIATION SURVEYS				
Time	Depth (m)	Deviation	Direction	Type

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
08:00	11:45	3:75	08	POOH FOR BIT #3 FLOW CHECKS 1316, 712, 222, & 0M HOLE FILL VOL=ACTUAL
				8.25-8.40, 8.05-8.25
11:45	12:00	0:25	7	RIG SERVICE FUNCTION HYDRILL 13 SEC TO CLOSE
12:00	12:15	0:25	6	MAKE UP BIT #4RR
12:15	12:30	0:25	210	SAFETY MEETING W/ CREW
12:30	14:30	2:00	6A	RUN IN HOLE W/ BIT # 4RR
14:30	14:45	0:25	5	PICK UP KELLY & FILL PIPE
14:45	16:00	1:25	6A	RUN IN TO 1403M
Remarks: QWA FUNC. CROWN SAVER. FLARE TANK IGNITOR. INSPECTED BRAKES, LINKAGES, ROLLERS & PINS. TONGS, SPRINGS, DIES & HOLD BACK LINES, SLIPS & DIES. ELEVATORS. VISUALLY INSPECTED DEGASSER & FLARE LINES. FLARE TANK BLEW BOILER 2X 150L				

TOUR 3				
DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
1	BIT	200	0	0.24
1	BIT SUB	158	64	0.71
1	TELEDRIFT	158	1	2.35
6	DC (6.25 IN)	158	65	54.79
1	DC-PONY	158	58	4.62
1	JARS-HYD	158	65	5.30
7	DC (6.25 IN)	158	65	64.53
1	X/O	158	1	0.27
6	HWDP (4.0 IN)	135	1	55.46
G4 Drill Pipe		Standards (m)	1222.83	
G4 Drill Pipe		Singles (m)	0.00	
Weight of DC (kdaN)		12	Kelly Down (m)	1.80
Weight of string (kdaN)		44	Total (m)	1413.00

BITS	
Bit Number	4RR
Size (mm)	200
ADC Code	4 1 7
Manufacturer	VAREL
Type	HE18MSV
Serial No	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1413
Total Drilled (m)	27
Hrs Run Today	7.25
Cumulative Hrs Run	7.25
Entry Date	2010/03/02
DULL GRADE	
T	Gauge (mm)
U	ODC
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD				
Mud Type	Water			
Time	17:00			
Density (kg/m³)	1120			
Funnel Viscosity (mPa)	1110			
Fluid Loss (cm³)	7.0			
pH	10			
Location	SHAKER			
Depth (m)	1415			
PVI (m)	50			
SOLIDS CONTROL				
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)
UNITED	8.00	1110	1090	1780
SAFETY				
Safety Topic	MEHL (kdaN) WACP (kdaN)			
MIXING CHEMICAL	46 2747			

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
1413	1440	DRILL	88	8
REDUCED PUMP SPEED				
No.	Pressure (kpa)	Stroke/min	Depth (m)	
1	3900	70	1413	
CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	3900	152	110	6700
2	3900	152	0	6700
BOILER				
No.	Hours Run	pH	Slack Temp (°C)	
98	8.00	11.5	310.00	
DEVIATION SURVEYS				
Time	Depth (m)	Deviation	Direction	Type

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	16:30	0:50	5	FILL PIPE & WASH LAST SINGLE TO BOTTOM
16:30	18:00	1:50	2	DRILL F/1413M TO 1413M
18:00	18:15	0:25	21	HAND OVER SAFETY MEETING
18:15	24:00	5:75	2	DRILL F/1413M TO 1440M
Remarks: CHECK BRAKE PINS LINKAGE. SAFETY PINS. ROLLER. BRAKE PADS. FUNCTION CROWN SAVER. SLIPS. BACK UP MAKE LINE. TUGGER BOOM LINE. STABBING VALVE. ESCAPE LINE. CHECK REMOTE DP PRESS GAUGE. DEAD MAN BOLTS. NUTS. BLOW BOILER 4X150 LITER.				

FRONT PAGE SUMMARY		Unit Sheet Serial Number	Vendor Software Version	Year	Month	Day
Rig No. Well Name		Surface Location	Prov	Ton Type	Unique Well ID	Kelly Blasting
245 Pura et al Cameron N-06		60 05 00 25W 117.31 N 15.20W	NT	ANG	200ND0660 10117300	5
License No.	Operator	Contractor	Contractor's Job No.	Well Type	Re-Entry	
2067	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC		VERT		
Operator's Aff		Squad Date	Time			
09ND10011		2010/02/19	15:30			
Signature of Operator Representative		Rig Release Date	Time			
JOSE BLINSON		ERICK BIGRAS				

DAILY CHECKS		OP RM
1) Daily Walk Around Inspection		JWB/ER
2) Detailed Inspection - Weekly (Using Check List)		JWB/ER
3) P2/S Safety Period 1 Reviewed		JWB/ER
4) Work License & Stock Diagram Posted		JWB/ER
5) Plans Lines Staked		JWB/ER
6) BOP Drills Performed		JWB/ER
7) Velocity Inspected BOPs - Flow Lines & Drags/Lines		JWB/ER

FUEL @ 08:00 HOURS	
Rig	77
Boiler	0
Op Fuel	
WEATHER	
Time	06:00
Temp	-5
Current Conditions	CLEAR
Wind Direction	NE
Wind Strength	UP TO 19 KMH
Road Condition	FAIR

DRILL PIPE							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint OD (mm)
DP	4"FH	SS05	102	85	23.8300	185	
DC	4.5"XH	DC	158	58	134.0000	18	
HW	4"FH	HWDP	102	65	41.6400	6	

CASING							
Category	Make	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Length (m)
SURFACE	KSID	J-55	219	200	35.71	28	072

MUD PUMPS		
No.	Make	Stroke Length (mm)
1	BPMP	229
2	BPMP	229

GENERAL EQUIPMENT & SERVICES	
Description	Hours
MUD PUMP	24.00
MANIFOLD	24.00
LOADER	24.00

SHAPE SHAKERS				
No.	Top Screen	Middle Screen	Middle Screen	Bottom Screen
1	50	80	80	80
2	50	80	80	80

TOUR 1		SIGNATURE OF DRILLER	ROMEO DASTOUS	START TIME	00:00	END TIME	08:00
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DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
0	Drill Pipe	Standards (m)	0.00	
0	Drill Pipe	Single (m)	0.00	
Weight of DC (kdaN)		0	Kelly Down (m)	0.00
Weight of string (kdaN)		0	Total (m)	0.00

BITS	
Bit Number	4RR
Size (mm)	200
MDC Code	4
Manufacturer	VAREL
Type	HE18MSV
Serial No.	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1413
Total Drilled (m)	
Hrs Run Today	2.25
Cumulative Hrs Run	8.50
Entry Date	2010/03/03

DULL GRADE	
T1	Gage (mm)
T1	000
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	01:00
Density (kg/m³)	1070
Funnel Viscosity (cP)	100
Fluid Loss (cm)	6.0
pH	10
Location	SHAKER
Depth (m)	1443
PVT (m)	54

SOLIDS CONTROL	
Equipment Name	Hours Run
Intake Density (kg/m³)	Over Flow Density (kg/m³)
Under Flow Density (kg/m³)	

SAFETY	
Safety Topic	MEHL (kdaN) MACP (kda)
TRIPPING	50 2747

MUD MATERIALS ADDED		
Product	Amount	Type
KELZAN	2	SACK
ORSPAC PLUS REGULAR	2	SACK
CAUSTIC	2	SACK
SAWDUST	5	SACK
BARITE	20	SACK

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)
1440	1450	DRILL	90	12

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	3400	70	1441

CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	SHCUL	152	0	0.00
2	SHCUL	152	0	0.00

HOLE CONDITION	
Hole Drag Up (kdaN)	2
Hole Drag Down (kdaN)	1
Torque at Bottom (Nm)	0
Fill on Bottom (m)	0

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
08	8.00	11.0	310.00

DEVIATION SURVEYS			
Time	Depth (m)	Deviation (Degrees)	Type
03:00	1447.00	3.5	TELEDRIFT

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
00:00	00:15	0:25	7	RIG SERVICE
00:15	02:00	2:25	2	DRILL FROM 1440M TO 1450M
02:00	02:00	0:50	5	CONDITION MUD & CIRCULATE PRIOR TO WIPER TRIP
02:00	03:15	0:25	10	DEVIATION SURVEY @ 1447 DEVIATION 3.5
03:15	04:45	1:50	6A	BLOW KELLY WIPER TRIP TO 1160M SLOW FLOW CHECK @ 1439M/1455M / 1099M @ TRIP
04:45	05:15	0:50	6A	VOI CAL / 1.00 MEASURED, 1.48 DIFF. 48
05:15	05:30	0:25	5D	TRIP BACK IN HOLE
05:30	06:00	0:50	21	CIRCULATE AND CONDITION / CLEAN TO RTM NO FILL
06:00	06:15	0:25	5	HAND OVER SAFETY MEETING
06:15	08:00	1:75	6B	CONDITION MUD & CIRCULATE PRIOR TO P.O.O.H TO LOG
TRIP OUT TO LOG/FLOW CHECKS @ 1437, 1343M				
Remarks VISUALLY INS BRKES PINS ROLLERS LINKAGE TONGS BACK UP LINES CHECK DEAD MAN NUTS				
VISUALLY INS DEGRASSER LINE FLARE LINE FLARE TANK AND TUGGER HOOK - FUNCTION CROWN SAVER				
BLOW DOWN BOILER 4X 150L				

TOUR 2		SIGNATURE OF DRILLER	JOE LEADLEY	START TIME	08:00	END TIME	16:00
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DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
0	Drill Pipe	Standards (m)	0.00	
0	Drill Pipe	Single (m)	0.00	
Weight of DC (kdaN)		0	Kelly Down (m)	0.00
Weight of string (kdaN)		0	Total (m)	0.00

BITS	
Bit Number	4RR
Size (mm)	200
MDC Code	4
Manufacturer	VAREL
Type	HE18MSV
Serial No.	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1419
Total Drilled (m)	
Hrs Run Today	0.00
Cumulative Hrs Run	0.00
Entry Date	2010/03/03

DULL GRADE	
T1	Gage (mm)
T1	000
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	
Density (kg/m³)	
Funnel Viscosity (cP)	
Fluid Loss (cm)	
pH	
Location	
Depth (m)	
PVT (m)	

SOLIDS CONTROL	
Equipment Name	Hours Run
Intake Density (kg/m³)	Over Flow Density (kg/m³)
Under Flow Density (kg/m³)	

SAFETY	
Safety Topic	MEHL (kdaN) MACP (kda)
PIPE SPINNER	40 2747

MUD MATERIALS ADDED		
Product	Amount	Type

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	3400	70	1441

CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	SHCUL	152	0	0.00
2	SHCUL	152	0	0.00

HOLE CONDITION	
Hole Drag Up (kdaN)	
Hole Drag Down (kdaN)	
Torque at Bottom (Nm)	
Fill on Bottom (m)	

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
08	8.00	10.5	310.00

DEVIATION SURVEYS			
Time	Depth (m)	Deviation (Degrees)	Type

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
08:00	10:15	2:25	6	TRIP OUT TO LOG/FLOW CHECKS @ 721, 212, & 0M HOLE FILL VOL=ACTUAL 8.58
10:15	10:30	0:25	7	CALC. 5.72 DIFF. 8.11
10:30	11:00	0:50	11	RIG SERVICE / RIG. BLINDS 156C TO CLOSE
11:00	15:00	4:00	11A	LOG WELL W/ STVMDA/SPEDICNTAGRM/RY/DAG. HOLE DEPTH @ 1449M TIME ON BOTTOM 12:40
15:00	15:15	0:25	21	CREW CHANGE HAND OVER MEETING
15:15	16:00	0:75	11A	LOG WELL
Remarks DWA FUNC. CROWN SAVER, FLARE TANK IGNITOR				
INSPECTED BRAKES LINKAGES, ROLLERS & PINS, TONGS DIES & BACK UP LINES, SLIPS & DIES, DRAW WORK CHAINS & DRIVE SHAFTS, CHECK DEAD MAN NUTS & BOLTS				
VISUALLY INSPECTED FLARE & DEGRASSER LINES				
BLEW BOILER 2X 150L				

TOUR 3		SIGNATURE OF DRILLER	PETER MANCZYK	START TIME	16:00	END TIME	24:00
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DRILLING ASSEMBLY				
No.	Component	OD (mm)	ID (mm)	Length (m)
0	Drill Pipe	Standards (m)	0.00	
0	Drill Pipe	Single (m)	0.00	
Weight of DC (kdaN)		0	Kelly Down (m)	0.00
Weight of string (kdaN)		0	Total (m)	0.00

BITS	
Bit Number	4RR
Size (mm)	200
MDC Code	4
Manufacturer	VAREL
Type	HE18MSV
Serial No.	250656
Jets (mm)	14.3 14.3 14.3
Depth Out (m)	
Depth In (m)	1413
Total Drilled (m)	
Hrs Run Today	0.00
Cumulative Hrs Run	0.00
Entry Date	2010/03/03

DULL GRADE	
T1	Gage (mm)
T1	000
MDC	Reason Pulled
LOC	Total Run (m/h)
BRG	

MUD RECORD	
Mud Type	Water
Time	
Density (kg/m³)	
Funnel Viscosity (cP)	
Fluid Loss (cm)	
pH	
Location	
Depth (m)	
PVT (m)	

SOLIDS CONTROL	
Equipment Name	Hours Run
Intake Density (kg/m³)	Over Flow Density (kg/m³)
Under Flow Density (kg/m³)	

SAFETY	
Safety Topic	MEHL (kdaN) MACP (kda)
LOGGING	40 2747

MUD MATERIALS ADDED		
Product	Amount	Type

METRES DRILLED				
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)

REDUCED PUMP SPEED			
No.	Pressure (kpa)	Strokes/min	Depth (m)
1	3420	70	1450

CIRCULATION				
Pump Type	Linear Size (mm)	SPM	Pressure (kpa)	Hours Run
1	SHCUL	152	0	0.00
2	SHCUL	152	0	0.00

HOLE CONDITION	
Hole Drag Up (kdaN)	
Hole Drag Down (kdaN)	
Torque at Bottom (Nm)	
Fill on Bottom (m)	

BOILER			
No.	Hours Run	pH	Stack Temp (°C)
08	8.00	10.5	310.00

DEVIATION SURVEYS			
Time	Depth (m)	Deviation (Degrees)	Type

TIME LOG				
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks
16:00	20:30	4:50	11A	LOGGING - OPEN HOLE LOGS (2ND RUN WITH SPEDICNTAGRM/RY/DALHIT BOTTOM @ 18:45
20:30	22:45	2:25	6A	TRIP IN HOLE FLOW CHECKS @ 367M
22:45	23:00	0:25	21	HANDOVER SAFETY MEETING
23:00	23:15	0:25	7	RIG SERVICE / RIG. PIPE RAMS
23:15	23:45	0:50	6A	RUN IN TO 710M
23:45	24:00	0:25	5	KELLY UP & FILL PIPE
Remarks FUNCTION CROWN SAVER, VISUALLY INSPECT BRAKE, ROLLERS, PINS, AND LINKAGE				
CHECK DEADMAN NUTS AND BOLTS, TONGS, BACKUP LINES, OC/DP SLIPS AND ELEVATORS				
CHECK TUGGER HOOKS, BOOM HOOK, STABBING VALVE, FLARE/DEGRASSER LINES, FLARE TANK				
BLOW DOWN BOILER 4X150L				

FRONT PAGE SUMMARY		Your Sheet Serial Number 0152245_20100303_1C		Vendor Software Version Pason		Year 2010		Month 03		Day 03	
Rig No 245		Well Name Para et al Cameron N-06		Surface Location 40 55 43 30W 17 31 N 13 50W		Prov / Loc Type NT / On		Unique Well ID 300ND06010117300		Kelly Washing S	
License No. 2067		Operator PARAMOUNT RESOURCES LTD		Contractor PRECISION DRILLING, DIV OF PDC		Contractor's Job No 355		Well Type VERT		Re-Entry ☐	
Signature of Operator Representative JOSH BLINSTON		Signature of Contractor's Rig manager ERICK BIGRAS		Well Date 2010/02/19		Time 15:30		Rig Release Date Time			

DAILY CHECKS		OP RM	
11 Daily Walk Around Inspection			
21 Detailed Inspection - Rigging / Rigging Check List			
31 LPS Safety Protocol & Reinsured			
41 Well Licence & Stick Diagram Posted			
51 Flare Lines Staked			
61 BOP Tests Performed			
71 Variably Inspected BOPs - Base Lines & Engage / Lines			

FUEL @ 08:00 HOURS	
Rig	
Boiler	
Op Fuel	

WEATHER	
Time	
Temp	
Current Conditions	
Wind Direction	
Wind Strength	
Road Condition	

DRILL PIPE							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint OD (mm)

MUD PUMPS		
No.	Make	Stroke Length (mm)

GENERAL EQUIPMENT & SERVICES	
Description	Hours

CASING									
Category	Make	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Length (m)	KG to CSG Head (m)	KG to CSG Bottom (m)

SHALE SHAKERS									
No.	Top Screen	Middle Screen	Middle Screen	Bottom Screen					
	Size	Changed	New	Size	Changed	New	Size	Changed	New

TOUR 1		SIGNATURE OF DRILLER		ROMEO DASTOUS		START TIME		00 00		END TIME		08 00					
DRILLING ASSEMBLY		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG					
No. Component ID (mm) ID (mm) Length (m)		Bit Number Size (mm) MADC Code Manufacturer Type Serial No Jets (mm) Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date		Mud Type Water ☐ Oil ☐ Other ☐ Time Density (kg/m³) Funnel Viscosity (s/cP) Fluid Loss (cm³) pH Location Depth (m) PVT (m)		Product Amount Type		From (m) To (m) D-R-C RPM WOB (kdaN)		Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)		From To Elapsed Code Details of Operations in Sequence & Remarks					
1 BIT 203 64 0.24		1 BIT SUB 203 64 0.71		1 TELEDRIFT 158 58 2.25		1 DC (6.25 IN) 158 65 54.79		1 DC-PONY 158 58 4.62		1 UARS-HYD 158 65 5.30		7 DC (6.25 IN) 158 65 64.53		1 XO 158 65 0.27		6 HWDP(4.0 IN) 135 1 55.46	
65 Drill Pipe Stands (m) 1242.03		1 Drill Pipe Samples (m) 0.60		Weight of DC (kdaN) 12 Kelly Down (m) 10.10		Weight of string (kdaN) 444 Total (m) 1450.00											

TOUR 2		SIGNATURE OF DRILLER		JOE LEADLEY		START TIME		08 00		END TIME		16 00							
DRILLING ASSEMBLY		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG							
No. Component ID (mm) ID (mm) Length (m)		Bit Number Size (mm) MADC Code Manufacturer Type Serial No Jets (mm) Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date		Mud Type Water ☐ Oil ☐ Other ☐ Time Density (kg/m³) Funnel Viscosity (s/cP) Fluid Loss (cm³) pH Location Depth (m) PVT (m)		Product Amount Type		From (m) To (m) D-R-C RPM WOB (kdaN)		Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)		From To Elapsed Code Details of Operations in Sequence & Remarks							
1 BIT 203 64 0.24		1 BIT SUB 203 64 0.71		1 DC (6.25 IN) 158 65 54.79		1 DC-PONY 158 58 4.62		1 UARS-HYD 158 65 5.30		5 DC (6.25 IN) 158 65 45.62		1 DC (6.25 IN) 158 58 9.34		1 DC (6.25 IN) 158 65 9.57		1 XO 158 65 0.27		6 HWDP(4.0 IN) 135 65 55.46	
65 Drill Pipe Stands (m) 1242.01		1 Drill Pipe Samples (m) 0.00		Weight of DC (kdaN) 12 Kelly Down (m) 9.72		Weight of string (kdaN) 444 Total (m) 1437.69													

TOUR 3		SIGNATURE OF DRILLER		PETER MWANGZYK		START TIME		16 00		END TIME		24 00			
DRILLING ASSEMBLY		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG			
No. Component ID (mm) ID (mm) Length (m)		Bit Number Size (mm) MADC Code Manufacturer Type Serial No Jets (mm) Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date		Mud Type Water ☐ Oil ☐ Other ☐ Time Density (kg/m³) Funnel Viscosity (s/cP) Fluid Loss (cm³) pH Location Depth (m) PVT (m)		Product Amount Type		From (m) To (m) D-R-C RPM WOB (kdaN)		Hole Drag Up (kdaN) Hole Drag Down (kdaN) Torque at Bottom (Nm) Fill on Bottom (m)		From To Elapsed Code Details of Operations in Sequence & Remarks			
1 BIT 200 64 0.24		1 BIT SUB 203 64 0.71		1 DC (6.25 IN) 158 65 54.79		1 DC-PONY 158 58 4.62		1 UARS-HYD 158 65 5.30		7 DC (6.25 IN) 158 65 64.53		1 XO 158 65 0.27		6 HWDP(4.0 IN) 135 65 55.46	
65 Drill Pipe Stands (m) 1242.01		1 Drill Pipe Samples (m) 0.60		Weight of DC (kdaN) 12 Kelly Down (m) 11.55		Weight of string (kdaN) 444 Total (m) 1449.08									



Bottom Screen	
Changed	New
☐	☐
☐	☐
☐	☐

[illegible][illegible]

FRONT PAGE SUMMARY: Tour Sheet Serial Number: DYS2245_20100304_1A Pason 2010 03 04. DAILY CHECKS: 1) Daily Work Around Inspection, 2) Detailed Inspection - Weekly (Using Check List), 3) LOTO Safety Pretest & Reinstall, 4) Visual Locks & Signs Diagram Posted, 5) Safe Work Standard, 6) BOP Drills Performed, 7) Visual Inspection 80% - Flare Lines & Organiser Lines. FUEL @ 08:00 HOURS: Rig, Boiler, Op Fuel, WEATHER: Time 08:00, Temp -5, Current Conditions CLEAR, Wind Direction NE, Wind Strength UP TO 18 KMH, Road Condition FAIR. DRILL PIPE: Category, Thread Type, Grade, OD (mm), ID (mm), Linear Mass (kg/m), No. of Joints, Total Joint CD (mm). MUD PUMPS: No., Make, Stroke Length (mm), Description, Hours. GENERAL EQUIPMENT & SERVICES: MUD PUMP, MANIFOLD, LOADER. SHALE SHAKERS: No., Top Screen, Middle Screen, Bottom Screen.

TOUR 1: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. SIGNATURE OF DRILLER: JOE LEADLEY. START TIME: 08:00, END TIME: 08:00. Details of Operations in Sequence & Remarks: RUN IN HOLE, WASHAM TO BOTTOM, CIRC. HOLE CLEAN FOR CASING, RIG SERVICE FUNCTION HYDRILL 13sec to close, SAFETY MEETING W/ CREW, BLOW KELLY A LAY DOWN DP/FLOW CHECK @ 1437, 1343, 721, 203M, FUNCTION TEST BOPS + FUNCTION TEST ACC START PRESSURE 21,000kpa, PRESS REMAIN AFTER TEST 12,400kpa TOTAL PRESS LOST @ 600kpa TIME TO RECHARGE 1min18sec, CREW CHANGE HANDOVER, LAY DOWN BHA.

TOUR 2: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. SIGNATURE OF DRILLER: PETER KWANGZYK. START TIME: 08:00, END TIME: 16:00. Details of Operations in Sequence & Remarks: LAY DOWN BHA, BOP DRILL OUT OF THE HOLE FUNCTION BUND RAMS CLOSED IN 3 SECONDS FILL, VOLUMES=ACTUAL & 46M3, CALCULATED 6.13M3, DIFF. 2.33M3, SAFETY MEETING PRIOR TO RIG UP POWER TONGS, RUN CASING CIRC. HALF WAY IN THE HOLE, RIG SERVICE.

TOUR 3: DRILLING ASSEMBLY, BITS, MUD RECORD, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, TIME LOG. SIGNATURE OF DRILLER: JOE LEADLEY. START TIME: 16:00, END TIME: 24:00. Details of Operations in Sequence & Remarks: CONDITION MUD & CIRCULATE PRIOR TO CEMENTING, BOP DRILL WELL AND MAIN SECURE IN 98sec, SAFETY MEETING PRIOR TO CEMENTING, WAIT ON WATER, TEMPERATURE TO WARM TO CEMENT WAIT FOR ROAD TO OPEN, CEMENTED WITH LEAD 271 THX LITE @ 1507KG/M3 PUMPED 32.4M3, +04, LTR(PREBLEND), TAIL @ EXPANDO LWL @ 1770KG/M3 PUMPED 7.0M3, +015% C/L-3, +0.3% OF LTR (PREBLEND) DISPLACED 18.4M3 FRESH H2O BUMPED PLUG @ 14,500KPA, 21 31HRS FLOATS HELD, 3M3 CEMENT RET, WAIT ON CEMENT.

FRONT PAGE SUMMARY

Hour Sheet Serial Number

2052245_20100307_1A

Vendor Software Version

Pason

Year

2010

Month

03

Day

07

Log No

W-H Name

Surface Location

Prev Log Type

Unique Well ID

Only Rishings

245

Pase et al Cameron N-06

40 35 49 30W117 31

NT

LOG

300N06010117300

5

License No

Operator

Contractor

PRECISION DRILLING, DIV OF PDC

Contractor's Job No

VERT

Re-Entry

2067

PARAMOUNT RESOURCES LTD

Operator's AFE

255

2010/02/10

15 30

Signature of Operator Representative

Signature of Contractor's Rig manager

2010/03/05

23 59

DAILY CHECKS

OP RM

11 Daily Walk Around Inspection

21 Detailed Inspection - Weekly (Using Check List)

31 L&S Safety Protocol 4 Reviewed

41 Well Service & Stock Diagram Posted

51 Drive Lines Staked

61 SPP Data Performed

71 Variable Inspected in Pipe - Flare Lines & Drags/Lines

FUEL @ 08:00 HOURS

Rtg

0

Boiler

0

Op Fuel

0

WEATHER

Time

06:00

Temp

-6

Current Conditions

CLEAR

Wind Direction

NE

Wind Strength

UP TO 19 KMH

Road Condition

FAIR

DRILL PIPE

Category

Thread Type

Grade

OD (mm)

ID (mm)

Linear Mass (kg/m)

No. of Joints

Total Joint OD (mm)

DP

4" FH

SSBS

102

65

23.8300

185

DC

4.5" XH

DC

158

58

134.0000

18

HW

4" FH

HWDP

102

65

41.6400

6

CASING

Category

Make

Grade

OD (mm)

ID (mm)

Linear Mass (kg/m)

No. of Joints

Total Length (m)

XB to CSG Head (m)

XB to CSG Bottom (m)

SURFACE

K-SIDE

J-55

210

206

35.71

28

372

4

372

MUD PUMPS

No.

Make

Stroke Length (mm)

229

229

GENERAL EQUIPMENT & SERVICES

Description

Hours

1

BPMP

MUD PUMP

24.00

2

BPMP

MANIFOLD

24.00

LOADER

24.00

SHALES SHAKERS

No.

Size

Changed

New

Size

Changed

New

Size

Changed

New

Size

Changed

New

Size

Changed

New

Size

Changed

New

TOUR 1

SIGNATURE OF DRILLER

JOE LEADLEY

START TIME

00 00

END TIME

08 00

DRILLING ASSEMBLY

NO.

Component

OD (mm)

ID (mm)

Length (m)

1

Drill Pipe

Standards (m)

2

Drill Pipe

Standards (m)

Weight of DC (kdaN)

Kelly Down (m)

Weight of string (kdaN)

Total (m)

BITS

Bit Number

Size (mm)

MDC Code

Manufacturer

Type

Serial No

Jets (mm)

Depth Out (m)

Depth In (m)

Total Drilled (m)

Hrs Run Today

Cumulative Hrs Run

Entry Date

DULL GRADE

T

Gauge (mm)

ODC

MDC

Reason Pulled

LOC

Total Run (m/hr)

BRG

MUD RECORD

Mud Type

Water

Oil

Other

Density (kg/m³)

Funnel Viscosity (cP)

Fluid Loss (cm³)

pH

Location

Depth (m)

PVT (m)

SOLIDS CONTROL

Equipment Name

Hours Run

Intake Density (kg/m³)

Over Flow Density (kg/m³)

Under Flow Density (kg/m³)

SAFETY

Safety Topic

MEHL (kdaN)

MACP (kpa)

MOVING AT NIGHT

MUD MATERIALS ADDED

Product

Amount

Type

METRES DRILLED

From (m)

To (m)

D-R-C

RPM

WOB (kdaN)

REDUCED PUMP SPEED

No.

Pressure (kpa)

Stroke/min

Depth (m)

CIRCULATION

Pump Type

Linear Size (mm)

GPM

Pressure (kpa)

Hours Run

1

152

0

0

0.00

2

152

0

0

0.00

HOLE CONDITION

Hole Drag Up (kdaN)

Hole Drag Down (kdaN)

Torque at Bottom (Nm)

Fill on Bottom (m)

BOILER

No.

Hours Run

pH

Stack Temp (°C)

DEVIATION SURVEYS

Time

Depth (m)

Deviation

Direction

Type

TIME LOG

From

To

Elapsed

Code

Details of Operations in Sequence & Remarks

00 00

08 00

8.00

1A

MOVE RIG W/ MULLEN

TOUR 2

SIGNATURE OF DRILLER

PETER WANCZYK

START TIME

08 00

END TIME

16 00

DRILLING ASSEMBLY

NO.

Component

OD (mm)

ID (mm)

Length (m)

1

Drill Pipe

Standards (m)

2

Drill Pipe

Standards (m)

Weight of DC (kdaN)

Kelly Down (m)

Weight of string (kdaN)

Total (m)

BITS

Bit Number

Size (mm)

MDC Code

Manufacturer

Type

Serial No

Jets (mm)

Depth Out (m)

Depth In (m)

Total Drilled (m)

Hrs Run Today

Cumulative Hrs Run

Entry Date

DULL GRADE

T

Gauge (mm)

ODC

MDC

Reason Pulled

LOC

Total Run (m/hr)

BRG

MUD RECORD

Mud Type

Water

Oil

Other

Density (kg/m³)

Funnel Viscosity (cP)

Fluid Loss (cm³)

pH

Location

Depth (m)

PVT (m)

SOLIDS CONTROL

Equipment Name

Hours Run

Intake Density (kg/m³)

Over Flow Density (kg/m³)

Under Flow Density (kg/m³)

SAFETY

Safety Topic

MEHL (kdaN)

MACP (kpa)

LOADER OPERATION

MUD MATERIALS ADDED

Product

Amount

Type

METRES DRILLED

From (m)

To (m)

D-R-C

RPM

WOB (kdaN)

REDUCED PUMP SPEED

No.

Pressure (kpa)

Stroke/min

Depth (m)

CIRCULATION

Pump Type

Linear Size (mm)

GPM

Pressure (kpa)

Hours Run

1

152

0

0

0.00

2

152

0

0

0.00

HOLE CONDITION

Hole Drag Up (kdaN)

Hole Drag Down (kdaN)

Torque at Bottom (Nm)

Fill on Bottom (m)

BOILER

No.

Hours Run

pH

Stack Temp (°C)

DEVIATION SURVEYS

Time

Depth (m)

Deviation

Direction

Type

TIME LOG

From

To

Elapsed

Code

Details of Operations in Sequence & Remarks

08 00

16 00

8.00

2S

W/O NIGHT FOR MOVE ROAD CLOSE FOR THE DAY

TOUR 3

SIGNATURE OF DRILLER

JOE LEADLEY

START TIME

16 00

END TIME

24 00

DRILLING ASSEMBLY

NO.

Component

OD (mm)

ID (mm)

Length (m)

1

Drill Pipe

Standards (m)

2

Drill Pipe

Standards (m)

Weight of DC (kdaN)

Kelly Down (m)

Weight of string (kdaN)

Total (m)

BITS

Bit Number

Size (mm)

MDC Code

Manufacturer

Type

Serial No

Jets (mm)

Depth Out (m)

Depth In (m)

Total Drilled (m)

Hrs Run Today

Cumulative Hrs Run

Entry Date

DULL GRADE

T

Gauge (mm)

ODC

MDC

Reason Pulled

LOC

Total Run (m/hr)

BRG

MUD RECORD

Mud Type

Water

Oil

Other

Density (kg/m³)

Funnel Viscosity (cP)

Fluid Loss (cm³)

pH

Location

Depth (m)

PVT (m)

SOLIDS CONTROL

Equipment Name

Hours Run

Intake Density (kg/m³)

Over Flow Density (kg/m³)

Under Flow Density (kg/m³)

SAFETY

Safety Topic

MEHL (kdaN)

MACP (kpa)

WILD LIFE

MUD MATERIALS ADDED

Product

Amount

Type

METRES DRILLED

From (m)

To (m)

D-R-C

RPM

WOB (kdaN)

REDUCED PUMP SPEED

No.

Pressure (kpa)

Stroke/min

Depth (m)

CIRCULATION

Pump Type

Linear Size (mm)

GPM

Pressure (kpa)

Hours Run

1

152

0

0

0.00

2

152

0

0

0.00

HOLE CONDITION

Hole Drag Up (kdaN)

Hole Drag Down (kdaN)

Torque at Bottom (Nm)

Fill on Bottom (m)

BOILER

No.

Hours Run

pH

Stack Temp (°C)

DEVIATION SURVEYS

Time

Depth (m)

Deviation

Direction

Type

TIME LOG

From

To

Elapsed

Code

Details of Operations in Sequence & Remarks

16 00

21 00

5.00

2S

W/O NIGHT FOR RIG MOVE

21 00

21 15

0.25

21

SAFETY MEETING W/MULLEN

21 15

24 00

2.75

1A

MOVE RIG



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity		Moving Rig	
Date	February 15, 2010	Check Number	1
Spud Date	February 19, 2010	Days From Spud	-4
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions; it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record				Casings				Drilling Assembly								Volumes (m3)		Hole Enlarge %	
Bit No.	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole		Liner		Casing		Pipe Cap	Circulation Time			
Bit Size (mm)									Ann Vel	Flow	Ann Vel	Flow	Ann Vel	Flow	Ann Vol	BTM's Up			
Type															Tank	Total			
Nozzles (mm)																Tot. Cr. Vol	Water Added		
N1:															Open Hole	Mud Lost			
N3:																			
N5:																			
N7:																			
TFA																			
Depth In																			
Depth Out																			
Hrs. on Bit																			
Drill Rate	0.0																		
R.P.M.																			
WOB (daN)																			
Nozzle Vel	0.0																		
Bit Press.																			
Summary of Activity - Comments, Observations, Pilot Tests																			
Remarks, Hole conditions tripping & drilling, Cuttings description; Torque & drag, Reaming; Bridges; etc.																			
Feb 15 2010: Moving Rig																			
Recommended Treatment - Suggestions																			
WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.																			
Spud Report:																			
- Add 5m3 of fresh water to tanks. Fill tanks to desired level with mud, gun and agitate all compartments.																			
- Check pH and if higher than 9, add Sulphamic Acid to system to reduce to 8.																			
- Mix 10 pails of Shure Shale through grating, monitor funnel visc to en min/pail.																			
- Mix 1-2 sxs of Hyperdrill 247 to warm water in pill tank and allow to hydrate for 1-2 hrs.																			
Once circulating, bleed into system over several hours while drilling ahead.																			
- Run centrifuge consistently to strip drill solids, injecting Alka Pam 1103RD only when weight increases to above 1060 kg/m3.																			
- Add fresh water to system at 2-5 L/min to hydrate polymers. No faster please. To maintain 35-40m3 PVT, use mud from 400bbl tank.																			
System Maintenance:																			
- Mud Rings: if bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 1-2 visc cups of TKPP per connection down drill pipe to reduce. Do not mix more than 1 pail DD.																			
- Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using Millzan mixed 1 sx per circ, if required, for proper hole cleaning.																			
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.																			
- If pH increases over 8, mix 1 sx Sulphamic Acid over 1 circ to reduce.																			
- Ensure funnel visc of 55-60 sec/L prior to wiper trip, mixing 1 sx Millzan or Kelzan and 5 sxs of Gel.																			
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 70 sec/L.																			
- For Cement: Isolate add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.																			
Materials Used Since Last Check																			
Products																			
Products																			
Products																			
Cost Information																			
Cost Since Last Check																			
Total Cost to Date																			
Marquis Alliance Representatives																			
T.S.R. Shannon Williams																			
Trucking Company Formula Powell - Airdrie																			
Cell 780-691-2295																			
Warehouse Airdrie																			
Page/Home # 780-895-2688																			
Phone # 403-948-6666																			



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Moving Rig		
Date	February 16, 2010	Check Number	2
Spud Date	February 19, 2010	Days From Spud	-3
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Enck Bigras		

In consideration of the furnishing of this report and oral suggestions; it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	Circulation Time			
Bit Size(mm)															Ann Vol.	BTMs Up			
Type															Tank	Total			
Nozzles (mm)																Tot. Cr. Vol	Water Added		
N1	N2														Open Hole	Mud Lost			
N3	N4																		
N5	N6																		
N7	N8																		
TFA																			
Depth In																			
Depth Out																			
Hrs. on Bit																			
Drill Rate	0.0																		
R.P.M.																			
WOB (daN)																			
Nozzle Vel	0.0																		
Summary of Activity - Comments, Observations, Pilot Tests																			
Bit Press.																			
Check #1		Check #2		Remarks: Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges, etc.															
Mud System	WaterBasedMud		Feb 16 2010 :Moving Rig																
Depth MD / TVD (m)	0	/	0	/															
Time Sample Taken	09:40																		
Flowline Temp (C)																			
Funnel Viscosity (sec/L)																			
Mud Density (kg/m3)																			
Hyd. Grad. (kPa/m)																			
ECD (kg/m3)																			
pH ☒ STRIP ☐ METER																			
Plastic Viscosity (mPa)																			
Yield Point (Pa)																			
Gel Strength (Pa) 10s/10min	/	/	/	/															
N Low / K low	/	/	/	/															
N Med / K med	/	/	/	/															
Filtrate (cm3/30min@700kPa)																			
Filter Cake (mm)																			
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@	@	@	@															
Filter Cake (mm)																			
Sand Content (%)																			
Total Solids (%)																			
Conn. Solids (%)																			
Oil Content (%)																			
M.B.T. (kg/m3)																			
HOS (kg/m3) / %	/	/	/	/															
LGS (kg/m3) / %	/	/	/	/															
Drilled solids (kg/m3)																			
Bentonite (kg/m3)																			
Avg. Density (kg/m3)																			
Alkalinity (PF/MF)	/	/	/	/															
Hydroxyl (mg/L)																			
Carbonate (mg/L)																			
Bicarbonate (mg/L)																			
Total Hardness (mg/L)																			
Chlorides (mg/L)																			
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)	/	/	/	/															
Silicate % v/v / Silicate %	/	/	/	/															
Clear Fluid Density (kg/m3)	1000																		
SiO2 K2O Ratio																			
Soluble Sulfides ☐ HAC ☐																			
Polymer (kg/m3)																			
Materials Used Since Last Check																			
Products		Products		Products		Products		Products		Products		Products		Products		Products			
Cost Information																			
Cost Since Last Check		\$475.00		Total Cost to Date		\$475.00													
Marquis Alliance Representatives																			
T.S.R		Shannon Williams		Trucking Company		Formula Powell - Airdrie													
Cell		780-691-2295		Warehouse		Airdrie													
Pager/home #		780-895-2688		Phone #		403-948-6666													



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)
Report For	Hale Yardley

Current Activity	WOO		
Date	February 17, 2010	Check Number	3
Spud Date	February 19, 2010	Days From Spud	-2
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		
Report for			

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record				Casings				Drilling Assembly												Volumes (m3)		Hole Enlarge %	
Bit No.	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	Circulation Time							
Bit Size (mm)															Ann Vol.	BTM's Up							
Type															Tank	Total							
Nozzles (mm)																Tot. Cr. Vol	Water Added						
N1.		N2.													Open Hole	Mud Lost							
N3.		N4.																					
N5.		N6.																					
N7.		N8.																					
TFA																							
Depth In																							
Depth Out																							
Hrs. on Bit																							
On Bit Rate	0.0																						
R.P.M.																							
WOB (daN)																							
Nozzle Vel	0.0																						
Summary of Activity - Comments, Observations, Pilot Tests																							
Remarks: Hole conditions tripping & drilling. Cuttings description, Torque & drag, Reaming, Bridges, etc.																							
Feb 17 2010: Waiting on Well licence.																							
Recommended Treatment - Suggestions																							
WHMIS. PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/S LABELS FOR MORE INFORMATION.																							
Spud Report																							
- Add 5m3 of fresh water to tanks. Fill tanks to desired level with mud, gun and agitate all compartments.																							
- Check pH and if higher than 9, add Sulphamic Acid to system to reduce to 8.																							
- Mix 10 pails of Shure Shale through grating, monitor funnel visc to en min/pail.																							
- Mix 1-2 sxs of Hyperdrill 247 to warm water in pill tank and allow to hydrate for 1-2 hrs.																							
Once circulating, bleed into system over several hours while drilling ahead.																							
- Run centrifuge consistently to strip drill solids, injecting Alka Pam 1103RD only when weight increases to above 1060 kg/m3.																							
- Add fresh water to system at 2-5 L/min to hydrate polymers. No faster please. To maintain 35-40m3 PVT, use mud from 400bbl tank.																							
System Maintenance																							
- Mud Rings. If bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 1-2 visc cups of TKPP per connection down drill pipe to reduce. Do not mix more than 1 pail DD.																							
- Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using Millzan mixed 1 sx per circ, if required, for proper hole cleaning.																							
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.																							
- If pH increases over 8, mix 1 sx Sulphamic Acid over 1 circ to reduce.																							
- Ensure funnel visc of 55-60 sec/L prior to wiper trip, mixing 1 sx Millzan or Kelzan and 5 sxs of Gel.																							
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 70 sec/L.																							
- For Cement: Isolate add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.																							
Materials Used Since Last Check																							
Products																							
Products																							
Products																							
Products																							
Cost Information																							
Cost Since Last Check																							
\$475.00																							
Total Cost to Date																							
\$950.00																							
Marquis Alliance Representatives																							
T.S.R																							
Shannon Williams																							
Trucking Company																							
Formula Powell - Airdrie																							
Cell																							
780-691-2295																							
Warehouse																							
Airdrie																							
Pager/Home #																							
780-895-2688																							
Phone #																							
403-948-6666																							



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Rigging Up		
Date	February 18, 2010	Check Number	4
Spud Date	February 19, 2010	Days From Spud	-1
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	1RR	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Linear Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap.	0.5	Circulation Time	
Bit Size (mm)	311					D.C.	68.0	212.0	17.9							Ann Vol.	0.0	BTMs Up	
Type	HE04SMRSV					D.C.	65.0	158.0	123.1							Tank		Total	
Nozzles (mm)						H.W.D.P.	65.0	102.0								Tot. Cr. Vol	0.5	Water Added	
N1:	14.3	N2:	14.3													Open Hole	0.0	Mud Lost	
N3:	14.3	N4:																	
N5:		N6:																	
N7:		N8:																	
TFA	482																		
Depth In	0																		
Depth Out																			
Hrs. on Bt.																			
Drill Rate	0.0																		
R.P.M.		HHP			0.00														
WOB (daN)		% Pressure at Bit																	
Nozzle Vel	0.0																		
Bit Press.	0	Check #1			Check #2														
Summary of Activity - Comments, Observations, Pilot Tests																			
Remarks, Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges, etc.																			
Feb 18 2010 : Spot rig. Rig up and prepare to spud well.																			
Recommended Treatment - Suggestions																			
WHMIS - PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/SILABELS FOR MORE INFORMATION.																			
Spud Report																			
- Fill tanks to 40m3 with mud, gun and agitate all compartments. Take visc, if required add up to 5m3 fresh water to knock visc back to 40 sec/L.																			
- Check pH and if higher than 9, add Sulphamic Acid to system to reduce to 8.																			
- Mix 10 pails of Shure Shale through grating, monitor visc while adding. Let me know if it increases.																			
- Mix 1-2 sxs of Hyperdrill 247 to warm water in pill tank and allow to hydrate for 1-2 hrs.																			
Once circulating/drilling ahead, bleed into system over several hours.																			
- Run centrifuge consistently to strip drill solids, injecting Alka Pam 1103RD only when weight increases to above 1060 kg/m3.																			
- Add fresh water to system at 2-5 L/min to hydrate polymers. No faster please. To maintain 35-40m3 PVT, use mud from 400bbl tank.																			
- Regular mudchecks are required, watch shaker screens for stickiness. Follow instructions below.																			
System Maintenance:																			
- Mud Rings : if bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 2 visc cups TKPP per connection down drill pipe. Do not mix more than 3 pails DD total.																			
- 40-45 sec/L. Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using MF Vis, mixed 1 sx per circ, if required, for proper hole cleaning.																			
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.																			
- If pH increases over 8, mix 1 sx Sulphamic Acid over 1 circ to reduce.																			
- Ensure funnel visc of 55 sec/L prior to wiper trip, mixing 1 sx Kelzan XCD, 1 Caustic & 10 Gel.																			
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 60sec/L.																			
- For Cement : Isolate to one tank and add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.																			
Materials Used Since Last Check																			
Products																			
Products																			
Products																			
Cost Information																			
Cost Since Last Check																			
\$475.00																			
Total Cost to Date																			
\$1,425.00																			
Marquis Alliance Representatives																			
T.S.R																			
Shannon Williams																			
Trucking Company																			
Formula Powell - Airdrie																			
Cell																			
780-691-2295																			
Warehouse																			
Airdrie																			
Pager/Home #																			
780-895-2688																			
Phone #																			
403-948-6666																			



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Rigging Up/Pre Spud		
Date	February 19, 2010	Check Number	5
Spud Date	February 19, 2010	Days From Spud	0
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %			
Bit No.	1RR	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole	Flow	Ann Vel.	Flow	Ann Vel.	Flow	Ann Vel.	Flow	Pipe Cap	0.5	Circulation Time	
Bit Size(mm)	311					D.C.	68.0	212.0	17.9			N/A		N/A		-63.1	N/A	Ann Vel.	0.0	BTM's Up	0
Type	HE04SMRSV					D.C.	65.0	158.0	123.1			N/A		N/A		-113.	N/A	Tank	35.0	Total	16
Nozzles (mm)						H.W.D.P.	65.0	102.0				N/A		N/A		N/A		Tot. Cr. Vol	35.5	Water Added	
N1	14.3	N2	14.3															Open Hole	0.0	Mud Lost	
N3	14.3	N4																			
N5		N6																			
N7		N8																			
TFA	482																				
Depth In	0																				
Depth Out																					
Hrs. on Bit																					
Drill Rate	0.0																				
R.P.M.						HHP			170.36												
WOB (daN)						% Pressure at Bit			180.07												
Nozzle Vel	77.1																				
Bit Press.	3421					Check #1			Check #2												
Mud System						WaterBasedMud															
Depth MD / TVD (m)	0					0			0												
Time Sample Taken						13:30															
Flowline Temp (C)						19															
Funnel Viscosity (sec/L)						38															
Mud Density (kg/m3)						1040															
Hyd. Grad. (kPa/m)						10.20															
ECD (kg/m3)																					
pH	☒ STRIP ☐ METER					8.5															
Plastic Viscosity (mPa)						6.0															
Yield Point (Pa)						3.8															
Gel Strength (Pa) 10s/10min						2.5			3.0												
N Low / K low						0.33			1.46												
N Med / K med						0.51			0.57												
Filtrate (cm3/30min@700kPa)						7.0															
Filter Cake (mm)						1.0															
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)						@			@												
Filter Cake (mm)																					
Sand Content (%)																					
Total Solids (%)						2.5															
Corr. Solids (%)																					
Oil Content (%)																					
N.B.T. (kg/m3)						10															
HGS (kg/m3) / %						0.00			0.0												
LGS (kg/m3) / %						65.01			2.5												
Drilled solids (kg/m3)						55.01															
Bentonite (kg/m3)																					
Avg. Density (kg/m3)						2600															
Alkalinity (PPH/MF)						0.0			0.2												
Hydroxyl (mg/L)																					
Carbonate (mg/L)						12															
Bicarbonate (mg/L)						159															
Total Hardness (mg/L)						600															
Chlorides (mg/L)						1000															
Potassium (mg/L)																					
0.2 N HCl / 2.0 N HCl (cc's)						/			/												
Silicate % w/v / Silicate %						/			/												
Clear Fluid Density (kg/m3)						1000															
SiO2/K2O Ratio																					
Soluble Sulfides ☐ HAC ☐																					
Polymer (kg/m3)																					

Summary of Activity - Comments, Observations, Pilot Tests			
Remarks, Hole conditions tripping & drilling. Cuttings description, Torque & drag, Reaming, Bridges, etc.			
Feb 19 2010 : Hold pre spud meeting. Spud well and drilled ahead 311mm hole to 43m at midnight. Sand and gravel blinding off shaker screens. Increased funnel visc from 40-50 sec/L to aid in hole cleaning.			

Recommended Treatment - Suggestions			
WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.			
Spud Report			
- Fill tanks to 40m3 with mud, gun and agitate all compartments. Take visc, if required add up to 5m3 fresh water to knock visc back to 40 sec/L.			
- Check pH and if higher than 9, add Sulphamic Acid to system to reduce to 8.			
- Mix 10 pails of Shure Shale through grating, monitor visc while adding. Let me know if it increases.			
- Mix 1-2 sxs of Hyperdrill 247 to warm water in pill tank and allow to hydrate for 1-2 hrs.			
Once circulating/drilling ahead, bleed into system over several hours.			
- Run centrifuge consistently to strip drill solids, injecting Alka Pam 1103RD only when weight increases to above 1060 kg/m3.			
- Add fresh water to system at 2-5 L/min to hydrate polymers. No faster please. To maintain 35-40m3 PVT, use mud from 400bbl tank.			
- Regular mudchecks are required, watch shaker screens for stickiness. Follow instructions below.			
System Maintenance:			
- Mud Rings : if bit balling is suspected or connections are sticky, mix 1 pill only of Detergent at suction and 2 visc cups TKPP per connection down drill pipe. Do not mix more than 3 pails DD total.			
- 40-45 sec/L. Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using MF Vis, mixed 1 sx per circ, if required, for proper hole cleaning.			
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.			
- If pH increases over 8, mix 1 sx Sulphamic Acid over 1 circ to reduce.			
- Ensure funnel visc of 55 sec/L prior to wiper trip, mixing 1 sx Kelzan XCD, 1 Caustic & 10 Gel.			
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 60sec/L.			
- For Cement : Isolate to one tank and add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.			

Materials Used Since Last Check			
Products		Products	

Cost Information			
Cost Since Last Check	\$475.00	Total Cost to Date	\$1,900.00

Marquis Alliance Representatives			
T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 311mm Surface Hole		
Date	February 20, 2010	Check Number	6
Spud Date	February 19, 2010	Days From Spud	1
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions; it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	1RR	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	0.5	Circulation Time	
Bit Size(mm)	311					D.C.	68.0	212.0	17.9	34.1	LAM	N/A		N/A		Ann Vol.	7.7	BTM's Up	6
Type	HE04SMRSV					D.C.	65.0	158.0	123.1	24.6	LAM			N/A		Tank	32.6	Total	29
Nozzles (mm)						H.W.D.P.	65.0	102.0				N/A		N/A		Tot. Cr. Vol	40.7	Water Added	
N1:	14.3	N2:	14.3													Open Hole	10.7	Mud Lost	
N3:	14.3	N4:																	
N5:		N6:																	
N7:		N8:																	
TFA	482																		
Depth In	0																		
Depth Out	362																		
Hrs. on Bit	36.0																		
Drill Rate	10.0																		
R.P.M.						HHP		41.04											
WOB (daN)						% Pressure at Bit		63.07											
Nozzle Vel	47.9																		
Bit Press.	1325	Check #1		Check #2															
Mud System	WaterBasedMud																		
Depth MD / TVD (m)	143	/	143		/														
Time Sample Taken	11:33																		
Flowline Temp (C)	21																		
Funnel Viscosity (sec/L)	43																		
Mud Density (kg/m3)	1040																		
Hyd. Grad. (kPa/m)	10.20																		
ECD (kg/m3)	1052																		
pH	STRIP	METER	8.0																
Plastic Viscosity (mPa)	11.0																		
Yield Point (Pa)	7.7																		
Gel Strength (Pa) 10s/10min	3.0	/	4.5		/														
N Low / K low	0.39	/	2.12		/														
N Med / K med	0.49	/	1.25		/														
Filtrate (cm3/30min@700kPa)																			
Filter Cake (mm)																			
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)		@			@														
Filter Cake (mm)																			
Sand Content (%)																			
Total Solids (%)	2.5																		
Conn. Solids (%)																			
Oil Content (%)																			
N.B.T. (kg/m3)	10																		
HGS (kg/m3) / %	0.00	/	0.0		/														
LGS (kg/m3) / %	65.01	/	2.5		/														
Drilled solids (kg/m3)	55.01																		
Bentonite (kg/m3)																			
Avg. Density (kg/m3)	2600																		
Alkalinity (PF/MF)		/			/														
Hydroxyl (mg/L)																			
Carbonate (mg/L)																			
Bicarbonate (mg/L)																			
Total Hardness (mg/L)	520																		
Chlorides (mg/L)	900																		
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)		/			/														
Silicate% v/v / Silicate %		/			/														
Clear Fluid Density (kg/m3)	1000																		
SiO2 K2O Ratio																			
Soluble Sulphides	HAC																		
Polymer (kg/m3)	0.25																		

Summary of Activity - Comments, Observations, Pilot Tests

Remarks, Hole conditions tripping & drilling; Cuttings description; Torque & drag; Reaming; Bridges; etc.

Feb 20 2010 : Continued drilling ahead from 43m - 143m at mudcheck. Unable to keep fluid on shakers with sand. Thinned back mud by dilution and reduced pump strokes to 70-80 spm on one pump. Washing shakers consistently, (sand 1-2 inches thick). Hard drilling in some spots, a little tight on connections. Working pipe and circulating clean prior to connections. Built and pump high visc LCM slug to help reduce losses. Mixing Sawdust at suction.

Recommended Treatment - Suggestions

WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.

TODAY'S ADDITIONS :

- Blend in one sx of Hyperdrill 247 via pill tank over 3-4 hrs while drilling ahead. Add 5 pails of Shure Shale at 30min/pail this afternoon.
- Blend in LCM slug in tank #1 into system via mudroll over 3-4 circs to help reduce losses.
- Continued to mix 1-2 sxs Sawdust per connection at suction.
- Maintain system as noted below, adding volume as needed from 400bbl tanks.

System Maintenance:

- Mud Rings : if bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 2 visc cups TKPP per connection down drill pipe. Do not mix more than 3 pails DD total.
- FV at 40-45 sec/L. Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using MF Vis, mixed 1 sx per circ, if required, for proper hole cleaning.
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.
- Ensure funnel visc of 55 sec/L prior to wiper trip, mixing 1 sx Kelzan XCD, 1 Caustic & 10 Gel.
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 60sec/L.

Materials Used Since Last Check

Products		Products		Products	
Hyperdrill AF247RD	1	Shure Shale	5		

Cost Information

Cost Since Last Check	\$1,672.10	Total Cost to Date	\$3,572.10

Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Reaming at 82-120m		
Date	February 22, 2010	Check Number	8
Spud Date	February 19, 2010	Days From Spud	3
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

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Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	2	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Ann Vel.	Flow	Ann Vel.	Flow	Ann Vel.	Flow	Pipe Cap	0.5	Circulation Time	
Bit Size(mm)	311					D.C.	68.0	212.0	17.9	54.8	LAM		N/A		N/A	Ann Vel.	6.5	BTMs Up	
Type	HE04SMRSV					D.C.	65.0	158.0	123.1	39.5	LAM		N/A	-113.	N/A	Tot. Cr. Vol	36.0	Total	
Nozzles (mm)						H.W.D.P.	65.0	102.0			N/A		N/A		N/A	Tot. Cr. Vol	36.0	Water Added	
N1:	14.3	N2:	14.3													Open Hole	9.1	Mud Lost	
N3:	14.3	N4:																	
N5:		N6:																	
N7:		N8:																	
TFA	482																		
Depth In	362																		
Depth Out																			
Hrs. on Bit	18.0																		
Drill Rate																			
R.P.M.						HNP		183.46											
WOB (daN)						% Pressure at Bit		175.45											
Nozzle Vel	77.1																		
Bit Press.	3684					Check #1		Check #2											
Mud System						WaterBasedMud													
Depth MD / TVD (m)	120	/	120		/														
Time Sample Taken						12:00													
Flowline Temp (C)						23													
Funnel Viscosity (sec/L)						49													
Mud Density (kg/m3)						1120													
Hyd. Grad. (kPa/m)						10.99													
ECD (kg/m3)						1137													
pH	☒ STRIP ☐ METER					7.9													
Plastic Viscosity (mPa)						14.0													
Yield Point (Pa)						7.2													
Gel Strength (Pa) 10s/10min						2.5 / 7.0													
N Low / K low						0.39 / 2.13													
N Med / K med						0.57 / 0.84													
Filtrate (cm3/30min@700kPa)						5.5													
Filter Cake (mm)						1.0													
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)						@		@											
Filter Cake (mm)																			
Sand Content (%)						1													
Total Solids (%)						7.5													
Corr. Solids (%)																			
Oil Content (%)																			
M.B.T. (kg/m3)						57													
HGS (kg/m3) / %						0.00 / 0.0													
LGS (kg/m3) / %						195.03 / 7.5													
Drilled solids (kg/m3)						138.03													
Bentonite (kg/m3)																			
Avg. Density (kg/m3)						2600													
Alkalinity (PF/MF)						0.1 / 1.2													
Hydronyl (mg/L)																			
Carbonate (mg/L)						96													
Bicarbonate (mg/L)						1208													
Total Hardness (mg/L)						280													
Chlorides (mg/L)						980													
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)						/		/											
Silicate % v/v / Silicate %						/		/											
Clear Fluid Density (kg/m3)						1000													
SiO2 K2O Ratio																			
Soluble Sulfides ☒ HAC ☐						0.00													
Polymer (kg/m3)						0.50													

Summary of Activity - Comments, Observations, Pilot Tests

Feb 22 2010 : Continued reaming tighthole from 68m-117m. Conditioned mud. POOH. P/U roller reamer. RIH to 82m. Reamed open hole from 82m-200m while conditioning mud. Bridges at 166m, 190m, 254m. Circ'd clean from 330m-362m. Drilled ahead to 377m. Conditioned mud. POOH 5 stds. RIH, conditioned mud for 60 visc and POOH.

Recommended Treatment - Suggestions

WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.

TODAY'S ADDITIONS :

Mix to increase and maintain FV at 55-60 sec/L using 1 sx MF Vis and 10 sxs Gel over 1 full circ as required.

System Maintenance :

- Mud Rings : if bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 2 visc cups TKPP per connection down drill pipe. Do not mix more than 3 pails DD total.
- FV at 40-45 sec/L. Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using MF Vis, mixed 1 sx per circ, if required, for proper hole cleaning.
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.
- Ensure funnel visc of 55 sec/L prior to wiper trip, mixing 1 sx Kelzan XCD, 1 Caustic & 10 Gel.
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 60sec/L.
- For Cement : Isolate to one tank and add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.

Materials Used Since Last Check

Products		Products		Products	
Alkapam A-1103D	1	Detergent L (20L)	1	Hyperdrill AF247RD	2
MF-VIS	1	Sawdust	25	Shure Shale	2

Cost Information

Cost Since Last Check	\$2,246.26	Total Cost to Date	\$9,180.31
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Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity		Condition to run csg	
Date	February 23, 2010	Check Number	9
Spud Date	February 19, 2010	Days From Spud	4
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made herein shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %																					
Bit No.	2	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Line Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	0.5	Circulation Time																					
Bit Size (mm)	311					D.C.	68.0	212.0	17.9	54.8	LAM		N/A		N/A	Ann Vol.	7.7	BTM's Up	3																				
Type	HE04SMRSV					D.C.	65.0	158.0	123.1	39.5	LAM		N/A		N/A	Tank	19.0	Total	12																				
Nozzles (mm)						H.W.D.P.	65.0	102.0			N/A		N/A		N/A	Tot. Cr. Vol	27.1	Water Added																					
N1:	14.3	N2:	14.3													Open Hole	10.7	Mud Lost																					
N3:	14.3	N4:																																					
N5:		N6:																																					
N7:		N8:																																					
TFA	482																																						
Depth In	362																																						
Depth Out																																							
Hrs. on Bit	18.0																																						
Drill Rate																																							
R.P.M.		HHP			178.55																																		
WOB (daN)		% Pressure at Bit			99.60																																		
Nozzle Vel	77.1																																						
Bit Press.	3586	Check #1			Check #2																																		
Summary of Activity - Comments, Observations, Pilot Tests																																							
Remarks: Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges, etc.																																							
Feb 23 2010 : POOH to surface. RIH, washed at 250m-268m, 288m-296m, 315m-334m, and 360m-377.5m. Conditioned mud. Currently preparing to POOH.																																							
Recommended Treatment - Suggestions																																							
WHMIS PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/G/LABELS FOR MORE INFORMATION.																																							
System Maintenance																																							
- Mud Rings : if bit balling is suspected or connections are sticky, mix 1 pail only of Detergent at suction and 2 visc cups TKPP per connection down drill pipe. Do not mix more than 3 pails DD total.																																							
- FV at 40-45 sec/L. Allow natural clays to build viscosity, do not mix Gel. Gravel is expected at 30-50m, rocks at 50-60m, and sand 90-120m. Monitor shakers and ensure proper visc using MF Vis, mixed 1 sx per circ, if required, for proper hole cleaning.																																							
- Mix 1 sx of Hyperdrill 247 into pill tank and allow to hydrate for 1 hr. Add to system over 3-4 hrs, each 12 hr shift.																																							
- Ensure funnel visc of 55 sec/L prior to wiper trip, mixing 1 sx Kelzan XCD, 1 Caustic & 10 Gel.																																							
- After wiper trip, isolate to one tank and add 10 L/min fresh water, 1 sx Millzan and 10 sxs Gel to increase FV to 60sec/L.																																							
- For Cement : Isolate to one tank and add fresh water at 40 L/min and Desco CF at 15 min/sx to reduce FV to 45-50.																																							
Materials Used Since Last Check																																							
Products					Products					Products																													
Bentonite (Gel)					29					CAL CARB '0'					9					Detergent L (20L)					1														
Bicarbonate (mg/L)					1098					Dns pac R					3					Envirofloc					3					Hyperdrill AF247RD					1				
Total Hardness (mg/L)					360					MF-VIS					3					Sawdust					30					Stardnl					6				
Chlorides (mg/L)					950																																		
Potassium (mg/L)																																							
0.2 N HCl / 2.0 N HCl (cc's)																																							
Silicate % v/v / Silicate %																																							
Clear Fluid Density (kg/m3)					1000																																		
Marquis Alliance Representatives																																							
T.S.R					Shannon Williams					Trucking Company					Formula Powell - Airdrie																								
Soluble Sulfides ☐ HAC ☐					Cell					780-691-2295					Warehouse					Airdrie																			
Polymer (kg/m3)					0.25					Pager/Home #					780-895-2688					Phone #					403-948-6656														



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	WOC		
Date	February 24, 2010	Check Number	10
Spud Date	February 19, 2010	Days From Spud	5
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Enck Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %																	
Bit No	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	1.3	Circulation Time																	
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.C.									N/A	Ann Vol.	8.1	BTMs Up																	
Type						D.C.	65.0	158.0	123.1	N/A		N/A		102.8	TUR	Tank	12.0	Total																	
Nozzles (mm)						H.W.D.P.										65.0		102.0		253.9		N/A		N/A		56.1		TUR		Tot. Ck. Vol		21.3		Water Added	
N1:	10.4	N2:	10.4																	Open Hole		-0.1		Mud Lost											
N3:	10.4	N4:	10.4																																
N5:	10.4	N6:	10.4																																
N7:		N8:																																	
TFA	510																																		
Depth In	379																																		
Depth Out																																			
Hrs. on Bit																																			
Drill Rate																																			
R.P.M.																																			
WOB (daN)																																			
Nozzle Vel	46.1																																		
Summary of Activity - Comments, Observations, Pilot Tests																																			
Bit Press..	1191			Check #1		Check #2		Remarks: Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges; etc.																											
Mud System	WaterBasedMud			Feb 23 2010 : POOH to surface. RIH, washed at 250m-268m, 288m-296m, 315m-334m, and 360m-377.5m. Conditioned mud. POOH for wiper trip. RIH, conditioned mud. POOH.																															
Depth MD / TVD (m)	377 / 377			Feb 24 2010 . POOH. P/U and RIH w/219mm surface csg. Cemented with no returns to surface. Top filled with cement. Cut csg/conductor. Welded on bowl. Currently nipping up.																															
Time Sample Taken	10:00																																		
Flowline Temp (C)																																			
Funnel Viscosity (sec/L)	28																																		
Mud Density (kg/m3)	1010																																		
Hyd. Grad. (kPa/m)	9.91																																		
ECD (kg/m3)	1014																																		
pH	8.0																																		
Plastic Viscosity (mPa)	2.0																																		
Yield Point (Pa)	0.5																																		
Gel Strength (Pa) 10s/10min	0.5 / 0.5																																		
N Low / K low	0.28 / 0.32																																		
N Med / K med	0.74 / 0.03																																		
Filtrate (cm3/30min@700kPa)																																			
Filter Cake (mm)																																			
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@			@																															
Filter Cake (mm)																																			
Sand Content (%)																																			
Total Solids (%)	0.625																																		
Conn. Solids (%)																																			
Oil Content (%)																																			
M.B.T. (kg/m3)																																			
HGS (kg/m3) / %	0.00 / 0.0																																		
LGS (kg/m3) / %	16.25 / 0.6																																		
Drilled solids (kg/m3)	16.25																																		
Bentonite (kg/m3)																																			
Avg. Density (kg/m3)	2600																																		
Alkalinity (PF/MF)	0.1 / 0.2																																		
Hydroxyl (mg/L)																																			
Carbonate (mg/L)	96																																		
Bicarbonate (mg/L)	49																																		
Total Hardness (mg/L)	600																																		
Chlorides (mg/L)	700																																		
Potassium (mg/L)																																			
0.2 N HCl / 2.0 N HCl (cc's)	/ /																																		
Sulfate % w/v / Sulfate %	/ /																																		
Clear Fluid Density (kg/m3)	1000																																		
SiO2/K2O Ratio																																			
Soluble Sulfides	HAC																																		
Polymer (kg/m3)																																			
Recommended Treatment - Suggestions																																			
WHMIS PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.																																			
Drill Out Report : We will be using Floc Tank, not the rig tank, for floc water drilling. Ensure all gates are sealed, using gel if required.																																			
1) Isolate to #2 suction compartment. Fill tank with 10m3 of water. Pretreat water with 5 sxs Sulphamic Acid.																																			
Fill 2 compartments of Floc Tank with stripped fluid and prepare for drillout.																																			
2) Drill out cement, float and shoe with water in isolated suction tank. We will leave Calcium levels high as we are floc water drilling until 1100-1200m.																																			
3) Check pH, if required mix Sulphamic Acid at 10 min/sx to reduce pH to 9-10.																																			
4) Fill one injection tank w/4m3. Mix in 20 visc cups of Alkapam 1103RD and allow to hydrate 1 hr before use.																																			
5) Start injecting Alkapam 1103RD at 10-15 L/min to maintain clear water.																																			
6) Use stripped back fluid from 400bbl for make up volume, blend into Floc Tank as needed for desired PVT.																																			
Severe to total losses are expected at +-550 m. When encountered, bypass floc tank and isolate system to suction compartment, feeding fresh water from 400bbl tanks as needed to maintain volume until circulation is regained.																																			
Materials Used Since Last Check																																			
Products			Products			Products			Products			Products			Products																				
Cost Information																																			
Cost Since Last Check			\$475.00			Total Cost to Date			\$14,432.69																										
Marquis Alliance Representatives																																			
T.S.R			Shannon Williams			Trucking Company			Formula Powell - Airdrie																										
Cell			780-691-2295			Warehouse			Airdrie																										
Pager/Home #			780-895-2688			Phone #			403-948-6666																										



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 200mm Top Hole		
Date	February 25, 2010	Check Number	11
Spud Date	February 19, 2010	Days From Spud	6
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %		
Bit No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Ann Vel.	Flow	Ann Vel.	Flow	Ann Vel.	Flow	Pipe Cap	1.3	Circulation Time		
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.C.						N/A		N/A		N/A	Ann Vel.	8.1	BTM's Up	6
Type						D.C.	65.0	158.0	123.1	119.5	TUR			N/A	102.8	TUR	Tank	53.0	Total	44
Nozzles (mm)						H.W.D.P.	65.0	102.0	253.9		N/A			N/A	56.1	TUR	Tot. Cr. Vol	62.3	Water Added	
N1	10.4	N2	10.4														Open Hole	0.0	Mud Lost	
N3	10.4	N4	10.4																	
N5	10.4	N6	10.4																	
N7		N8																		
TFA	510																			
Depth In	379																			
Depth Out																				
Hrs. on Bit																				
Drill Rate	20.0																			
R.P.M.		HHP			37.56															
WOB (daN)		% Pressure at Bit			33.08															
Nozzle Vel	46.1																			
Bit Press.	1191	Check #1			Check #2															
Mud System	WaterBasedMud																			
Depth MO / TVD (m)	380	/	380		/															
Time Sample Taken	14:00																			
Flowline Temp (C)																				
Funnel Viscosity (sec/L)	28																			
Mud Density (kg/m3)	1010																			
Hyd. Grad. (kPa/m)	9.91																			
ECD (kg/m3)	1014																			
pH ☒ STRIP ☐ METER	10.0																			
Plastic Viscosity (mPa)	2.0																			
Yield Point (Pa)	0.5																			
Gel Strength (Pa) 10s/10min	0.5	/	0.5		/															
N Low / K low	0.28	/	0.32		/															
N Med / K med	0.74	/	0.03		/															
Filtrate (cm3/30min@700kPa)																				
Filter Cake (mm)																				
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)		@			@															
Filter Cake (mm)																				
Sand Content (%)																				
Total Solids (%)	0.625																			
Corr. Solids (%)																				
Oil Content (%)																				
M.B.T. (kg/m3)																				
HGS (kg/m3) / %	0.00	/	0.0		/															
LGS (kg/m3) / %	16.25	/	0.6		/															
Drilled solids (kg/m3)	16.25																			
Bentonite (kg/m3)																				
Avg. Density (kg/m3)	2600																			
Alkalinity (PF/MF)	0.1	/	0.5		/															
Hydroxyl (mg/L)																				
Carbonate (mg/L)	144																			
Bicarbonate (mg/L)	378																			
Total Hardness (mg/L)	800																			
Chlorides (mg/L)	900																			
Potassium (mg/L)																				
0.2 N HCl / 2.0 N HCl (cc's)	/				/															
Silicate % v/v / Silicate %	/				/															
Clear Fluid Density (kg/m3)	1000																			
SiO2 Q2O Ratio																				
Soluble Sulfides ☐ H2S ☐																				
Polymer (kg/m3)																				

Summary of Activity - Comments, Observations, Pilot Tests

Remarks, Hole conditions tripping & drilling; Cuttings description, Torque & drag, Reaming; Bridges; etc.

Feb 25 2010 : WOC. Pressure tested BOPs. RIH w/200mm Bit Varel VT0513HX with 10.3mm x 7 jets. Tagged cement at 353m. Drilled out float and shoe. Drilled ahead 200mm top hole with floc water to 486m at midnight.

Recommended Treatment - Suggestions

WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS, REFER TO MSDS/LABELS FOR MORE INFORMATION.

Drill Out Report : We will be using Floc Tank, not the rig tank, for floc water drilling. Ensure all gates are sealed, using gel if required.

1) Isolate to #2 suction compartment. Fill tank with 10m3 of water. Pretreat water with 5 sxs Sulphamic Acid.
Fill 2 compartments of Floc Tank with stripped fluid and prepare for drillout.

2) Drill out cement, float and shoe with water in isolated suction tank. We will leave Calcium levels high as we are floc water drilling until 1100-1200m.

3) Check pH, if required mix Sulphamic Acid at 10 min/sx to reduce pH to 9-10.

4) Fill one injection tank w/4m3. Mix in 20 visc cups of Alkapam 1103RD and allow to hydrate 1 hr before use.

5) Start injecting Alkapam 1103RD at 10-15 L/min to maintain clear water.

6) Use stripped back fluid from 400bbl for make up volume, blend into Floc Tank as needed for desired PVT.

Severe to total losses are expected at +-550 m. When encountered, bypass floc tank and isolate system to suction compartment, feeding fresh water from 400bbl tanks as needed to maintain volume until circulation is regained.

Materials Used Since Last Check

Products		Products		Products	
Sulphamic Acid	5				

Cost Information

Cost Since Last Check	\$802.85	Total Cost to Date	\$15,235.54

Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 200mm Top Hole		
Date	February 26, 2010	Check Number	12
Spud Date	February 19, 2010	Days From Spud	7
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %		
Bit No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Ann Vel.	Flow	Ann Vel.	Flow	Pipe Cap	1.3	Circulation Time		
Bit Size(mm)	200	Surface	205.0	219.0	379.0	D.C.				N/A				N/A		Ann Vol.	7.7	BTM's Up	5	
Type	VTD513HX					D.C.	65.0	158.0	123.1	119.5	TUR			N/A		Tank	55.4	Total	46	
Nozzles (mm)						H.W.D.P.	65.0	102.0	253.9	60.7	TUR			N/A	56.1	TUR	Tot. Ca. Vol	64.3	Water Added	
N1:	10.3	N2:	10.3													Open Hole	6.6	Mud Lost		
N3:	10.3	N4:	10.3																	
N5:	10.3	N6:	10.3																	
N7:	10.3	N8:																		
TFA	583																			
Depth In	379																			
Depth Out																				
Hrs. on Bit																				
Drill Rate	20.0																			
R.P.M.	90																			
WOB (daN)	6																			
Nozzle Vel	40.3																			
Bit Press.	909																			
Summary of Activity - Comments, Observations, Pilot Tests																				
Remarks: Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges, etc.																				
Feb 26 2010: Continued drilling ahead from 486m to 590m at mudcheck. Working pipe on connections, adding 2-3 sawdust per single drilled. Hole appears to be cleaning good. No problems reported.																				
Recommended Treatment - Suggestions																				
WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION																				
Drilling Ahead with Floc Water																				
1) Fill one centrifuge injection tank w/4m3. Mix in 16-20 visc cups of Alkapam 1103RD and allow to hydrate 1 hr before use. Inject at 10-12 L/min to maintain clear water. Adjust as required.																				
2) Mix 2 sxs Cal Nitrate per 100m new hole drilled. Monitor Calcium concentration with regular mudchecks. If fluid is muddy, mix 3 extra sxs of Cal Nitrate over 1 circ and increase injection rate of flocculant until overflow is coming back clear.																				
3) PVT - Bring fluid over from 400bbl and blend into active system as required.																				
4) pH at 8-9.																				
5) Trickle Hyperdrill 247 into system very slowly (3-4 hrs/sx), 2 per tour until TD.																				
6) Mud up is approx 1100m. Since losses are minimal, we will start adding MF Visc at 2hrs per sx at hopper to increase visc to 32 sec/L to aid in hole cleaning.																				
7) Mix 2-3 sxs Sawdust per 10m new hole drilled.																				
Thanks,																				
Shannon																				
Materials Used Since Last Check																				
Products																				
Alkapam A-1103D 4 Detergent L (20L) 1 Envirofloc 4																				
Cost Information																				
Cost Since Last Check \$1,559.59 Total Cost to Date \$16,795.13																				
Marquis Alliance Representatives																				
T.S.R Shannon Williams Trucking Company Formula Powell - Airdrie																				
Cell 780-691-2295 Warehouse Airdrie																				
Pager/Home # 780-895-2688 Phone # 403-948-6666																				



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 200mm Main Hole		
Date	February 28, 2010	Check Number	14
Spud Date	February 19, 2010	Days From Spud	9
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions; it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record					Casings					Drilling Assembly										Volumes (m3)		Hole Enlarge %										
Bit No.	1				Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel. Flow		Liner Ann Vel. Flow		Casing Ann Vel. Flow		Pipe Cap	5.5	Circulation Time											
Bit Size(mm)	200				Surface	206.0	219.0	379.0	D.P.	85.0	102.0	839.9	58.6	LAM	N/A	N/A	54.1	LAM	Ann Vel.	23.6	BTM's Up	17										
Type	VTD513HX								H.W.D.P.	65.0	102.0	86.0		N/A		N/A	54.1	LAM	Tank	41.0	Total	51										
Nozzles (mm)									D.C.	65.0	158.0	123.1		N/A		N/A	99.2	TUR	Tot. Ca. Vol	70.1	Water Added											
N1:	10.3	N2:	10.3																Open Hole	22.7	Mud Lost											
N3:	10.3	N4:	10.3																													
N5:	10.3	N6:	10.3																													
N7:	10.3	N8:																														
TFA	583																															
Depth In	379																															
Depth Out																																
Hrs. on Bit																																
Drill Rate	15.0																															
R.P.M.	100																															
WOB (daN)																																
Nozzle Vel	38.9																															
Summary of Activity - Comments, Observations, Pilot Tests																																
Bit Press.	922				Check #1				Check #2				Remarks, Hole conditions tripping & drilling; Cuttings description; Torque & drag; Reaming, Bridges; etc.																			
Mud System					WaterBasedMud								Feb 28 2010 : Continued POOH to shoe. RIH, washed 1037 to 1050m. Continued drilling ahead to 1100m @ 08:00 hrs.																			
Depth MD / TVD (m)					1100 / 1100																											
Time Sample Taken					08.00																											
Flowline Temp (C)					19																											
Funnel Viscosity (sec/L)					41																											
Mud Density (kg/m3)					1100																											
Hyd. Grad. (kPa/m)					10.79																											
ECD (kg/m3)					1128																											
pH ☒ STRIP ☐ METER					9.0																											
Plastic Viscosity (mPa)					8.0																											
Yield Point (Pa)					6.2																											
Gel Strength (Pa) 10s/10min					3.0 / 4.0																											
N Low / K low					0.21 / 4.25																											
N Med / K med					0.47 / 1.15																											
Filtrate (cm3/30min@700kPa)					9.0																											
Filter Cake (mm)					1.0																											
HTHP FILTRATE @ C (cm3/30 min, @ 3500 kPa)					@				@																							
Filter Cake (mm)																																
Sand Content (%)																																
Total Solids (%)					5																											
Corr. Solids (%)																																
Oil Content (%)																																
M.B.T. (kg/m3)					40																											
HGS (kg/m3) / %					51.52 / 1.2																											
LGS (kg/m3) / %					98.50 / 3.8																											
Drilled solids (kg/m3)					58.50																											
Bentonite (kg/m3)																																
Avg. Density (kg/m3)					3000																											
Alkalinity (PPH/MF)					0.0 / 0.6																											
Hydroxyl (mg/L)																																
Carbonate (mg/L)					24																											
Bicarbonate (mg/L)					622																											
Total Hardness (mg/L)					800																											
Chlorides (mg/L)					1000																											
Potassium (mg/L)																																
0.2 N HCl / 2.0 N HCl (cc's)																																
Silicate % w/v / Silicate %																																
Clear Fluid Density (kg/m3)					1000																											
SiO2/K2O Ratio																																
Soluble Sulfides ☐ HAC ☐																																
Polymer (kg/m3)					0.50																											
Materials Used Since Last Check																																
Products					Products					Products																						
Alkapam A-1103D					3					Barite					20					CAL CARB 'O'								10				
Drispac R					3					Envirofloc					10					Hyperdrill AF247RD								3				
Kelzan XCD Polymer					2					Lignite					3					Lime - Hydrated (20 k								2				
MF-VIS					5					Sawdust					20					Shure Shale								6				
Soda Ash (25kg)					1					Stardril					2																	
Cost Information																																
Cost Since Last Check										\$8,798.41										Total Cost to Date					\$27,918.84							
Marquis Alliance Representatives																																
T.S.R					Shannon Williams					Trucking Company					Formula Powell - Airdrie																	
Cell					780-691-2295					Warehouse					Airdrie																	
Pager/Home #					780-895-2688					Phone #					403-948-6666																	



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 200mm Main Hole		
Date	March 1, 2010	Check Number	15
Spud Date	February 19, 2010	Days From Spud	10
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel	Flow	Ann Vel	Flow	Ann Vel	Flow	Pipe Cap	7.4	Circulation Time	
Bit Size(mm)	200	Surface	205.0	219.0	379.0	D.P.	85.0	102.0	1178.9	58.6	LAM	N/A	N/A	54.1	LAM	Ann Vol.	31.6	BTMs Up	23
Type	VTD513HX					H.W.D.P.	65.0	102.0	86.0	N/A		N/A		54.1	LAM	Tank	42.0	Total	59
Nozzles (mm)						D.C.	65.0	158.0	123.1	N/A		N/A		99.2	LAM	Tot. Cr. Vol	81.0	Water Added	
N1:	10.3	N2:	10.3													Open Hole	31.7	Mud Lost	
N3:	10.3	N4:	10.3																
N5:	10.3	N6:	10.3																
N7:	10.3	N8:																	
TFA	583																		
Depth In	379																		
Depth Out																			
Hrs. on Bit																			
Drill Rate	5.0																		
R.P.M.	100																		
WOB (daN)																			
Nozzle Vel	38.9																		
Bit Press.	931																		
Mud System	WaterBasedMud	WaterBasedMud																	
Depth MD / TVD (m)	1299 / 1299	1388 / 1388																	
Time Sample Taken	05:00	23:15																	
Flowline Temp (C)	23	26																	
Funnel Viscosity (sec/30)	47	57																	
Mud Density (kg/m3)	1130	1110																	
Hyd. Grad. (kPa/m)	11.09	10.89																	
ECD (kg/m3)	1180	1182																	
pH	10.5	9.0																	
Plastic Viscosity (mPa)	14.0	18.0																	
Yield Point (Pa)	11.0	16.3																	
Gel Strength (Pa) 10s/10min	5.0 / 8.0	7.5 / 12.0																	
N Low / K low	0.33 / 4.09	0.28 / 7.55																	
N Med / K med	0.46 / 2.07	0.43 / 3.59																	
Filtrate (cm3/30min@700kPa)	5.0	5.0																	
Filter Cake (mm)	0.5	0.5																	
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@	@																	
Filter Cake (mm)																			
Sand Content (%)																			
Total Solids (%)	8.125	6.875																	
Corr. Solids (%)																			
Oil Content (%)																			
M.B.T. (kg/m3)	55	50																	
HGS (kg/m3) / %	0.00 / 0.0	0.00 / 0.0																	
LGS (kg/m3) / %	211.28 / 8.1	178.78 / 6.9																	
Dried solids (kg/m3)	156.28	128.78																	
Bentonite (kg/m3)																			
Avg. Density (kg/m3)	2600	2600																	
Alkalinity (PF/MF)	0.4 / 1.8	0.3 / 1.3																	
Hydroxyl (mg/L)																			
Carbonate (mg/L)	420	312																	
Bicarbonate (mg/L)	1281	952																	
Total Hardness (mg/L)	600	120																	
Chlorides (mg/L)	1300	1300																	
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)	/	/																	
Silicate % w/v / Silicate %	/	/																	
Clear Fluid Density (kg/m3)	1000	1000																	
SiO2.X2O Ratio																			
Soluble Sulfides	HAC	0.00	0.00																
Polymer (kg/m3)	1.00	1.00																	

Summary of Activity - Comments, Observations, Pilot Tests

Remarks: Hole conditions tripping & drilling, Cuttings description; Torque & drag, Reaming; Bridges; etc.

Feb 28 2010 : Wiper tripped to shoe. RIH, washed to btm 1 single. Continued drilling ahead 200mm main hole from 1050m to 1267m at midnight.

Mar 1 2010 : Drilled ahead from 1267m to 1299m at 05:00 hrs. Erratic drilling encountered, pumped TKPP and Desco sweeps to clean up bit. No discernable difference noted. Drilled ahead to 1388m at 23:00 hrs. Currently mixing to increase FV to 65 sec/L for Muskeg formation.

Recommended Treatment - Suggestions

WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.

TODAY :
- Mix Kelzan XCD and Drispac R @ 1:2 ratio to increase FV to 6 sec/L.
- Ensure we are adding water to system at 5 L/min to hydrate polymers.

Maintain for Drilling: Please use Floc Water from United tank or Surface Mud for make up where possible.

1. Viscosity @ 65 s/l with Kelzan and Ultra Pac R, mixed @ 1:2 ratio evenly over full circs.
2. Discontinue Shure Shale additions.
3. Mix 1 sx Hyperdrill 247 per 12 hr shift while drilling ahead.
4. Maintain pH @ 10-10.5 with caustic through chemical barrel with cold water @ 1-2 sx/circ when required.
5. Fluid loss @ 6-8cc with ultrapac, stardrill and lignite @ 1:2:3 ratio evenly over full circs.
6. Density ALAP with proper solids control. Run water @ 5 litres a minute to keep system hydrated. Allow wt to increase to 1120-1140 kg/m3 50-75m from TD.

Materials Used Since Last Check

Products		Products	
Caustic Soda	4	Drispac R	2
Kelzan XCD Polymer	3	Lignite	6
Soda Ash (25kg)	2	Stardril	4

Cost Information

Coet Since Last Check	\$4,108.78	Total Cost to Date	\$32,027.62
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Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	Drilling Ahead 200mm Main Hole		
Date	March 2, 2010	Check Number	17
Spud Date	February 19, 2010	Days From Spud	11
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	7.5	Circulation Time	
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.P.	85.0	102.0	1207.9	58.6	LAM		N/A	54.1	LAM	Pipe Cap	32.3	BTM's Up	24
Type	VTD513HX					H.W.D.P.	65.0	102.0	86.0				N/A	54.1	LAM	Tank	46.0	Total	63
Nozzles (mm)						D.C.	65.0	158.0	123.1	N/A		N/A	99.2	LAM		Tot. Cr. Vol	85.8	Water Added	
N1:	10.3	N2:	10.3													Open Hole	32.6	Mud Lost	
N3:	10.3	N4:	10.3																
N5:	10.3	N6:	10.3																
N7:	10.3	N8:																	
TFA	583																		
Depth In	379																		
Depth Out																			
Hrs. on Bit																			
Drill Rate	13.0																		
R.P.M.	100					HHP			27.55										
WOB (daN)						% Pressure at Bit			19.11										
Nozzle Vel	38.9																		
Bit Press.	905					Check #1			Check #2										
Mud System	WaterBasedMud																		
Depth MD / TVD (m)	1417 / 1417																		
Time Sample Taken	18:04																		
Flowline Temp (C)	23																		
Funnel Viscosity (sec/L)	79																		
Mud Density (kg/m3)	1080																		
Hyd. Grad. (kPa/m)	10.59																		
ECD (kg/m3)	1166																		
pH	☒ STRIP ☐ METER																		
Plastic Viscosity (mPa)	20.0																		
Yield Point (Pa)	19.5																		
Gel Strength (Pa) 10s/10min	11.0 / 17.0																		
N Low / K low	0.22 / 12.57																		
N Med / K med	0.41 / 4.76																		
Filtrate (cm3/30min@700kPa)	5.5																		
Filter Cake (mm)	0.5																		
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@																		
Filter Cake (mm)																			
Sand Content (%)																			
Total Solids (%)	5																		
Conn. Solids (%)																			
Oil Content (%)																			
M.B.T. (kg/m3)	40																		
HGS (kg/m3) / %	0.00 / 0.0																		
LGS (kg/m3) / %	130.02 / 5.0																		
Drilled solids (kg/m3)	90.02																		
Sermentite (kg/m3)																			
Avg. Density (kg/m3)	2600																		
Alkalinity (PF/MF)	0.5 / 1.2																		
Hydroxyl (mg/L)																			
Carbonate (mg/L)	576																		
Bicarbonate (mg/L)	342																		
Total Hardness (mg/L)	120																		
Chlorides (mg/L)	1300																		
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)	/ /																		
Silicate% v/v / Silicate %	/ /																		
Clear Fluid Density (kg/m3)	1000																		
SiO2 K2O Ratio																			
Soluble Sulphides ☒ HAC ☐	0.00																		
Polymer (kg/m3)	1.00																		

Summary of Activity - Comments, Observations, Pilot Tests

Remarks, Hole conditions tripping & drilling, Cuttings description; Torque & drag, Reaming, Bridges; etc.

Mar 1 2010 : Drilled ahead from 1267m to 1392m at midnight.

Mar 2 2010 : Continued drilling ahead to 1413m. Conditioned mud. POOH for Bit/Wiper trip. RIH, washed to btm. 6m fill reported. Continued drilling ahead to 1417m at mudcheck.

Mud appears good for Logging.

Recommended Treatment - Suggestions

WHMIS PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS, REFER TO MSDS/LABELS FOR MORE INFORMATION.

TODAY :

- Maintain viscosity @ 75s/l with Kelzan and Ultra Pac R, mixed @ 1:2 ratio evenly over full circls.
- Maintain pH @ 10-10.5 with caustic through chemical barrel with cold water @ 1-2 sx/circ when required.
- Fluid loss @ 6-8cc with ultrapac, stardrill and lignite @ 1.2.3 ratio evenly over full circls.
- Density ALAP with proper solids control.

Run water @ 5 litres a minute to keep system hydrated whenever circulating.

Allow wt to increase to 1120-1140 kg/m3 50-75m from TD.

Materials Used Since Last Check

Products		Products		Products	
Caustic Soda	5	Desco	1	Dnspac R	7
Hyperdrill AF247RD	3	Kelzan XCD Polymer	5	Sawdust	26
Soda Ash (25kg)	4	TKPP	1		

Cost Information

Cost Since Last Check	\$6,292.31	Total Cost to Date	\$38,319.93
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Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/home #	780-895-2688	Phone #	403-948-6666



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)

Current Activity	RIH w/Production Csg		
Date	March 4, 2010	Check Number	19
Spud Date	February 19, 2010	Days From Spud	13
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		

In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %			
Bit No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	7.7	Circulation Time			
Bit Size(mm)	200	Surface	205.0	219.0	379.0	D.P.	85.0	102.0	1240.9	58.6	N/A	N/A	N/A	54.1	N/A	Ann Vol.	33.0	BTMs Up	24		
Type	VTD513HX					H.W.D.P.	65.0	102.0	86.0					N/A	N/A	Tank	53.7	Total	69		
Nozzles (mm)						D.C.						65.0	158.0	123.1	N/A						
N1:	10.3	N2:	10.3															Open Hole	33.6	Mud Lost	
N3:	10.3	N4:	10.3																		
N5:	10.3	N6:	10.3																		
N7:	10.3	N8:																			
TFA	583																				
Depth In	379																				
Depth Out																					
Hrs. on Bit																					
Drill Rate																					
R.P.M.	100			HHP						0.00											
WOB (daN)				% Pressure at Bit						0.00											
Nozzle Vel	0.0																				
Bit Press.	0			Check #1						Check #2											
Mud System	WaterBasedMud																				
Depth MD / TVD (m)	1450			1450												Mar 4 2010 : POOH sideways. P/U and RIH w/139.7mm csg. Rig to and cement with good returns to surface. Start rigging out ng.					
Time Sample Taken	08:59																				
Flowline Temp (C)																					
Funnel Viscosity (sec/L)																					
Mud Density (kg/m3)																					
Hyd. Grad. (kPa/m)																					
ECD (kg/m3)	0																				
pH	☒ STRIP ☐ METER																				
Plastic Viscosity (mPa)																					
Yield Point (Pa)																					
Gel Strength (Pa) 10s/10min																					
N Low / K low																					
N Med / K med																					
Filtrate (cm3/30min@700kPa)																					
Filter Cake (mm)																					
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)																					
Filter Cake (mm)																					
Sand Content (%)																					
Total Solids (%)																					
Corr. Solids (%)																					
Oil Content (%)																					
M.B.T. (kg/m3)																					
HGS (kg/m3) / %																					
LGS (kg/m3) / %																					
Drilled solids (kg/m3)																					
Bentonite (kg/m3)																					
Avg. Density (kg/m3)																					
Alkalinity (PF/MF)																					
Hydroxyl (mg/L)																					
Carbonate (mg/L)																					
Bicarbonate (mg/L)																					
Total Hardness (mg/L)																					
Chlorides (mg/L)																					
Potassium (mg/L)																					
0.2 N HCl / 2.0 N HCl (cc's)																					
Silicate % v/v / Silicate %																					
Clear Fluid Density (kg/m3)	1000																				
SiO2/K2O Ratio																					
Soluble Sulphides ☐ HAC ☐																					
Polymer (kg/m3)																					
Summary of Activity - Comments, Observations, Pilot Tests																					
Remarks, Hole conditions tripping & drilling, Cuttings description, Torque & drag, Reaming, Bridges, etc.																					
Recommended Treatment - Suggestions																					
WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.																					
TODAY :																					
1. Maintain viscosity @ 75s/l with Kelzan and Ultra Pac R, mixed @ 1:2 ratio evenly over full circs.																					
2. Maintain pH @ 10-10.5 with caustic through chemical barrel with cold water @ 1-2 sx/circ when required.																					
3. Fluid loss @ 6-8cc with ultrapac, stardrill and lignite @ 1:2:3 ratio evenly over full circs.																					
4. Density ALAP with proper solids control.																					
Run water @ 5 litres a minute to keep system hydrated whenever circulating.																					
Allow wt to increase to 1120-1140 kg/m3 50-75m from TD.																					
Wiper trip : Ensure water is running into system at 15 L/min for entire time we circulate to hydrate polymers and help reduce viscosity for running csg.																					
Cement : Isolate to one suction compartment with 10m3, add water at 40 L/min while mixing Desco CF at 30min/sx via Chem Barrel.																					
—Add 3 pails of Brenntag T-352 at 20min/pail to kill any bacteria in mud.—																					
Materials Used Since Last Check																					
Products																					
Bante 20 Caustic Soda 2 Dnspac R 2																					
Kelzan XCD Polymer 2 Sawdust 5																					
Cost Information																					
Cost Since Last Check \$2,610.91 Total Cost to Date \$43,802.30																					
Marquis Alliance Representatives																					
T.S.R. Shannon Williams Trucking Company Formula Powell - Airdrie																					
Cell 780-691-2295 Warehouse Airdrie																					
Pager/Home # 780-895-2588 Phone # 403-948-6666																					



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Energy Trust
Report For	Josh Blinston (ph. 4038603569)
Report For	Hale Yardley

Current Activity	RIH w/Production Csg		
Date	March 5, 2010	Check Number	20
Spud Date	February 19, 2010	Days From Spud	14
Location	N-06-60/10-11-30		
Contractor	Precision 245		
Report for	Erick Bigras		
Report for			

In consideration of the furnishing of this report and oral suggestions; it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that Marquis Alliance Energy Group Inc. shall not be liable for any damages resulting from the furnishing of this report and oral suggestions and is to be held harmless.

Bit Record		Casings				Drilling Assembly										Volumes (m3)		Hole Enlarge %	
Bit No.	1	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole Ann Vel.	Flow	Liner Ann Vel.	Flow	Casing Ann Vel.	Flow	Pipe Cap	7.7	Circulation Time	
Bit Size (mm)	200	Surface	206.0	219.0	379.0	D.P.	85.0	102.0	1240.9	58.6	N/A	N/A	N/A	54.1	N/A	Ann Vol.	33.0	BTM's Up	24
Type	VTD513HX					H.W.D.P.	65.0	102.0	86.0	N/A	N/A	N/A	N/A	99.2	N/A	Tot. Cr. Vol	94.5	Water Added	69
Nozzles (mm)						D.C.	65.0	158.0	123.1	N/A	N/A	N/A	N/A	99.2	N/A	Tot. Cr. Vol	94.5	Water Added	69
N1:	10.3	N2:	10.3													Open Hole	33.6	Mud Lost	
N3:	10.3	N4:	10.3																
N5:	10.3	N6:	10.3																
N7:	10.3	N8:	10.3																
TFA	583																		
Depth In	379																		
Depth Out																			
Hrs. on Bit																			
Drill Rate																			
R.P.M.	100	HHP		0.00															
WOB (daN)		% Pressure at Bit		0.00															
Nozzle Val	0.0																		
Bit Press.	0	Check #1		Check #2															
Mud System	WaterBasedMud																		
Depth MO / TVD (m)	1450	/	1450	/															
Time Sample Taken	19:00																		
Flowline Temp (C)																			
Funnel Viscosity (sec/L)																			
Mud Density (kg/m3)																			
Hyd. Grad. (kPa/m)																			
ECD (kg/m3)	0																		
pH	STRIP	METER																	
Plastic Viscosity (mPa)																			
Yield Point (Pa)																			
Gel Strength (Pa) 10s/10min	/	/	/	/															
N Low / K low	/	/	/	/															
N Med / K med	/	/	/	/															
Filtrate (cm3/30min@700kPa)																			
Filter Cake (mm)																			
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@	@																	
Filter Cake (mm)																			
Sand Content (%)																			
Total Solids (%)																			
Corr. Solids (%)																			
Oil Content (%)																			
M B T. (kg/m3)																			
HGS (kg/m3) / %	/	/	/	/															
LGS (kg/m3) / %	/	/	/	/															
Drilled solids (kg/m3)																			
Bentonite (kg/m3)																			
Avg. Density (kg/m3)																			
Alkalinity (PF/MF)	/	/	/	/															
Hydroxyl (mg/L)																			
Carbonate (mg/L)																			
Bicarbonate (mg/L)																			
Total Hardness (mg/L)																			
Chlorides (mg/L)																			
Potassium (mg/L)																			
0.2 N HCl / 2.0 N HCl (cc's)	/	/	/	/															
Silicate % v/v / Silicate %	/	/	/	/															
Clear Fluid Density (kg/m3)	1000																		
SiO2 K2O Ratio																			
Soluble Sulfides	HAC																		
Polymer (kg/m3)																			

Summary of Activity - Comments, Observations, Pilot Tests

Remarks: Hole conditions tripping & drilling. Cuttings description: Torque & drag; Reaming; Bridges; etc.

Mar 5 2010 : Rig out rig. Count inventory and send to High Level Formula Powell for credit. Demobilize to home.

Recommended Treatment - Suggestions

WHMIS PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS/LABELS FOR MORE INFORMATION.

TODAY :

- Maintain viscosity @ 75s/l with Kelxan and Ultra Pac R, mixed @ 1:2 ratio evenly over full circs.
- Maintain pH @ 10-10.5 with caustic through chemical barrel with cold water @ 1-2 sx/circ when required.
- Fluid loss @ 6-Bcc with ultrapac, stardrill and lignite @ 1:2:3 ratio evenly over full circs.
- Density ALAP with proper solids control.

Run water @ 5 litres a minute to keep system hydrated whenever circulating.

Allow wt to increase to 1120-1140 kg/m3 50-75m from TD.

Wiper trip : Ensure water is running into system at 15 L/min for entire time we circulate to hydrate polymers and help reduce viscosity for running csg.

Cement : Isolate to one suction compartment with 10m3, add water at 40 L/min while mixing Desco CF at 30min/sx via Chem Barrel.

---Add 3 pails of Brenntag T-352 at 20min/pail to kill any bacteria in mud.---

Materials Used Since Last Check

Products	Products	Products	Products
Alkapam A-1103D	3	Barte	32
CAL CARB '0'	15	Caustic Soda	2
Cement Class G Oilw	18	Citric Acid	5
Driscap R	1	Envirofloc	9
Kelzan XCD Polymer	1	Kwik Seal Coarse	1
		Kwik Seal Medium	7

Cost Information

Cost Since Last Check	Total Cost to Date
\$8,313.66	\$52,115.96

Marquis Alliance Representatives

T.S.R	Shannon Williams	Trucking Company	Formula Powell - Airdrie
Cell	780-691-2295	Warehouse	Airdrie
Pager/Home #	780-895-2688	Phone #	403-948-6666



Paramount
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Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig:

Business Unit: NE BC & NWT COU

Report Date: 3/10/2010

Report #: 1.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 37,958

Cum Cost to Date: 37,958

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective

Complete slave point point zone

Operations Summary

Move equipment to location , rig up equipment . Run into hole bit and scrapper , displace to clean KCL water . Pull out of hole , bond log

Operations Next Report Period

Perforate sulphur point dolomite

Road Condition Good	Weather Sunny	Start Date 3/10/2010	End Date 3/19/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile
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Time Log

Start Time	End Time	Dur. (hrs)	Cum Dur (hrs)	Comment
00:01	00:30	0.49	0.49	Held pre - job safety meeting on rig move , walk around equipment .
00:30	06:30	6.00	6.49	Move rig and equipment to Cameron N - 06 , spot equipment on location . Surface casing vent flow test good .
06:30	07:00	0.50	6.99	Un - load 29m3 KCL water into 60m3 tank , spot flare stack and vessel .
07:00	07:30	0.50	7.49	Held pre - job safety meeting on pinch point's standing derrick in hours of darkness , walk around equipment .
07:30	09:30	2.00	9.49	Rig up rig , pump , tank and boiler . Rig in flare stack and vessel , spot and rig in air trailer .
09:30	11:00	1.50	10.99	Stump test class III BOP stack , low 2,000 kPa & high 21,000 kPa . Nipple down well head , nipple up class III BOP stack . Function and pressure test , low 2,000 kPa & high 21,000 kPa . Good test , fill casing and pressure test to 14,000 kPa . Monitor for 15 minutes , good test . Rig in work floor and tubing equipment , make up bit and scrapper on cat walk .
11:00	14:00	3.00	13.99	Run into hole with bit and scrapper , tally and drift and way into hole . Tag fill @ 1437mKB , rig in pump lines .
14:00	15:30	1.50	15.49	Reverse circulate down casing 20m3 3% KCL water , rig down pump lines . Pull and lay down 4 - joint's 73mm tubing onto pipe racks
15:30	17:30	2.00	17.49	Pull out of hole standing in derrick , lay down bit and scrapper . Clean up around work floor .
17:30	19:00	1.50	18.99	Rig in Pure Energy E - line truck , held safety meeting with all personal on location . Run into hole with CBL & tempeture log tool , tag plug back depth @ 1434mKB . Log from PBTD to surface , cement top @ surface .
19:00	19:30	0.50	19.49	Cre change , held pre - job safety meeting on casing swabbing procedures . Walk around equipment .
19:30	20:30	1.00	20.49	Finish logging , rig down e - line truck stand - by on location .
20:30	21:00	0.50	20.99	Rig up casing swab equipment , rig in pump lines to well head .
21:00	00:00	3.00	23.99	Swab down casing to rig tank , pulled 12 - swabs and recovered 12.2m3 .
00:00	00:00		23.99	Continue swabbing down casing to 1200m , recovered 15m3 3% KCL water . Rig down swab equipment , drain all lines . 02:30 AM
00:00	00:00		23.99	Rig in Pure Energy E - line truck , held safety meeting with all personal on location . Shut down all phones and two way radios , run into hole with gun

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			0.00	0.00
Other			0.00	0.00
Water			0.00	0.00

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)
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Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig:

Business Unit: NE BC & NWT COU

Report Date: 3/10/2010

Report #: 1.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 37,958

Cum Cost to Date: 37,958

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
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Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/11/2010

Report #: 2.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 83,612

Cum Cost to Date: 121,569

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0
Objective Complete slave point point zone			
Operations Summary Perforate sulphur point , run into hole selective acid tools . Squeeze acid , swab to evaluate .			
Operations Next Report Period Swab to evaluate			
Road Condition Good	Weather Sunny	Start Date 3/10/2010	End Date 3/19/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	01:30	1.49	1.49	Continue swabbing to rig tank , total swabs pulled - 14 . Total fluid recovered 15m3 , rig down swab equipment .
01:30	05:30	4.00	5.49	Rig up Pure Energy E - line truck , held safety meeting with all personal on location . Shut off all phones . Run into hole with ERHSC 2.5m gun , 25 gram SDP , 17 SPM , 60 degree phasing . Log into place @ 1421.5m - 1424mKB , fire gun . Pull out of hole , make up second gun . SITP @ 6 kPa , fluid level @ 1180m . Run into hole with ERHSC 4.5m gun , 25 gram SDP , 17 SPM , 60 degree phasing . Log into place @ 1392m - 1396.5mKB . Fire gun , pull out of hole . SICP @ 0 kPa , make up third gun . Run into hole with 3m gun , log intom place @ 1382m - 1385m . Fire gun , pull out of hole . Rig down and release E - line truck .
05:30	07:00	1.50	6.99	Continue monitoring pressures on well .
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on tripping tubing out of derrick . Walk around equipment .
07:30	10:00	2.50	9.99	Make up selective acid tools on cat walk , pre - heat elements on cup tools . Run into hole with weatherford selective acid tool's , land @ 1344mKB .
10:00	11:30	1.50	11.49	Rig in pump lines , forward circulate down tubing . 13.22m3 KCL water to catch fluid , total pumped 16.4m3 . Rig down pump lines , locate casing collar . Confirm depth .
11:30	13:00	1.50	12.99	Run into hole , remaining tubing , land T.E @ 1427m . Strip on pack - off head .
13:00	14:30	1.50	14.49	Rig in sanjel acid pumper , spot acid hauler and shower unit . Held safety meeting with all personal on location .
14:30	18:30	4.00	18.49	Spot acid @ bottom of tubing , acid wash 1m3 . Shut in circulating port , pick up tool's to first set of per'l's . Start squeeze into zone , pressured up to 7,000 kPa . Monitor for 15 minutes , bleed down to 6,900 kPa . Bump up to 8,000 kPa , monitor for 10 minutes . Bleed off to 7,800 kPa . Bump up to 9,000 kPa , break in pressure ???? . Pressure increasing on casing side , communications between zones . Confirm with calgary increase pressure .
18:30	19:00	0.50	18.99	Continue squeeze increasing pressure broke @ 13,800 kPa , pumped last 2m3 acid @ 13,500 kPa @ 300L / minute .
19:00	19:30	0.50	19.49	Crew change , held pre - job safety meeting on pumping acid .
19:30	23:00	3.50	22.99	Move selective acid tool's up to next set of per'l's @ 1392m - 1396.5m . Start squeeze , squeezing away @ 10,400 kPa @ 140L / minute . Pumped 4.5m3 , move up hole to last set of per'l's @ 1382m - 1385m . Start squeeze , bump up to 7,000 kPa . Small leak off , no pressure on back side . Bump up to 13,000 kPa , broke squeeze away @ 10,000 kPa @ 130L / minute . Shut down acid pumper , rig down iron . Rig down and release , note stand - by on location . Release acid hauler and shower unit .
23:00	00:00	1.00	23.99	Tubing flowing , can not set packer in per'l's . Leave swab packer un - set , rig in swab equipment . Swab to vessel
00:00	07:00	7.00	30.99	Continue swabbing to vessel

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			0.00	0.00
Other	11.00	0.00	0.00	11.00
Water	13.22	0.00	0.00	13.22



Paramount
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Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/11/2010

Report #: 2.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 83,612

Cum Cost to Date: 121,569

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



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Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/12/2010

Report #: 3.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 28,150

Cum Cost to Date: 149,719

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 291	Tubing Pressure (kPa) 0

Objective

Complete slave point point zone

Operations Summary

Swab to vessel to evaluate zone , shut in @ 18:00 Pm . Monitor pressures .

Operations Next Report Period

Run into hole gradient

Road Condition Good	Weather Sunny	Start Date 3/10/2010	End Date 3/19/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	07:00	6.99	6.99	Run into hole first swab , tag fluid @ surface . Recovered 1.25m3 water , continue swabbing to vessel . Pulling heavy on swab - 18 , check cup . Heavy silt & grit on cup , change cups to sand cups . Next 3 - swabs 1 - hour swabs , total fluid recover @ 06:00 Am 16.42m3 (16.28m3 water & .14m3 oil) . Load fluid to recover 24.22m3 (11m3 acid & 13.22m3 water)
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on swabbing procedures . Walk around rig and equipment .
07:30	18:00	10.50	17.99	Continue swabbing to vessel , shut in well @ 18:00 Pm . Total fluid recovered 20.66m3 (19.63m3 water & 1.03m3 oil) , total swabs pulled - 37 . Fluid to recover 24.22m3 , load fluid left to recover 4.59m3 .
18:00	19:00	1.00	18.99	Continue monitoring pressures .
19:00	19:30	0.50	19.49	Crew change , held pre - job safety meeting on site hazards . Walk around equipment .
19:30	00:00	4.50	23.99	Continue monitoring pressures on well .
00:00	00:00		23.99	Continue monitoring pressures to 03:00 Am .
00:00	00:00		23.99	Rig in slickline truck , run into hole gradient .

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil	0.00	1.03	1.03	-1.03
Other	0.00	11.00	11.00	0.00
Water	0.00	8.63	8.63	4.59

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/13/2010

Report #: 4.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 106,397

Cum Cost to Date: 256,116

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 786	Tubing Pressure (kPa) 2

Objective

Complete slave point point zone

Operations Summary

Run gradient , kill well . Pull tubing , set bridge plug & perforate . Run selective acid tool's , start squeeze .

Operations Next Report Period

Swab to evaluate

Road Condition

Good

Weather

Cloudy

Start Date

3/10/2010

End Date

3/19/2010

Head Count

Personnel Total Hours (hrs)

Cum Personnel Total Hours (hrs)

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	04:00	3.99	3.99	Continue monitoring pressures on tubing , slickline arrived on location .
04:00	10:00	6.00	9.99	Rig in Pure Energy slickline truck , held safety meeting with all personal on location . Run into hole with gradient , stop's @ surface , 100m , 200m , 300m , 400m , 500m , 550m , 600m , 650m , 700m , 750m , 800m , 850m , 900m , 950m , 1000m , 1050m , 1100m , 1150m , 1200m , 1250m , 1300m , 1350m , 1370m for 10 minutes , 1383m for 1 - hour . Pull out of hole , rig down and release slickline truck .
10:00	11:30	1.50	11.49	Rig in pump lines , reverse circulate to vessel . Total pumped 18m3 3% KCL water ,shut down pump . Strip off pack - off head .
11:30	13:30	2.00	13.49	Pull out of hole standing in derrick , lay down selective acid tools onto cat walk .
13:30	15:30	2.00	15.49	Rig in Pure Energy E - line truck , held safety meeting with all personal on location . Run into hole with bridge plug , log into place . Set bridge plug @ 1379mKB , pull out of hole . Rig down , stand - by on location . Fill casing with KCL water , pressure test bridge plug to 14,000 kPa . Monitor for 15 minutes , good test .
15:30	18:30	3.00	18.49	Rig in casing swab equipment , swab to rig tank . Pulled - 14 swabs , recovered 13.1m3 . Rig down swab equipment , clean up around work floor .
18:30	19:00	0.50	18.99	Held safety meeting with all personal on location .
19:00	21:30	2.50	21.49	Run into nhole with pure energy e - line gun , ERHSC 1m gun , 17 SPM , 25 gram SDP , 60 degree phasing . Log into place @ 1370.5m - 1371.5mKB , fire gun . Pull out of hole , SICP 0 kPa . Make up second gun , run into hole . Log into place @ 1365m - 1366m , fire gun . Pull out of hole , SICP @ 2 kPa . Make up third gun , run into hole . Log into place @ 1283m - 1286m , fire gun . Pull out of hole , rig down and release e - line truck .
21:30	00:00	2.50	23.99	SITP @ 16 kPa , bleed off to vessel . Make up new selective acid tool's , run into hole with weatherford selective acid tool's . Click casing collar @ 1344m , confirm depth . Rig in pump lines , break circulation down tubing .
00:00	00:00		23.99	Held pre - job safety meeting with all personal on location . Start acid squeeze .
00:00	00:00		23.99	Pressure test lines , spot acid @ bottom of tubing , start squeeze @ 01:00 Am . Squeeze 1m3 acid into perf's @ 1370.5m - 1371.5m , move up tp next set @ 1365m - 1366m . Start squeeze @ 03:00 Am , squeeze 1m3 acid . Continue bumping up to 8,000 kPa , squeezed into zone .3m3 . Pull up hole 9 - joint's tubing , set selective acid tool's @ 1283m - 1286m . Pressured up to 3,000 kPa , pressure broke . Pump away @ 200L / minute @ 1,000 kPa . Shut down acid pumper , rig down and release sanjel pumper . 07:00 Am

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			1.03	-1.03
Other	5.00	0.00	11.00	5.00
Water	34.49	13.10	21.73	25.98

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/13/2010

Report #: 4.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 106,397

Cum Cost to Date: 256,116

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/14/2010

Report #: 5.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 20,743

Cum Cost to Date: 276,859

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective

Complete slave point point zone

Operations Summary

Pulled 8 - swabs , well started flowing . Continue flowing to clean up . Shut in well , monitor pressures with night shift .

Operations Next Report Period

Kill well , pull selective acid tool's

Road Condition Good	Weather Sunny	Start Date 3/10/2010	End Date 3/19/2010
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Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
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Daily Contacts

Title	Job Contact	Mobile
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Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	07:00	6.99	6.99	Pressure test lines to 28,000 kPa , good test . Break circulation down tubing
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on working with third party contractors . Walk around equipment .
07:30	08:00	0.50	7.99	Finish rigging down sanjel equipment , clean up around well head .
08:00	08:30	0.50	8.49	Strip off pack off head , run into hole 8 - joint's tubing . Set weatherford swab packer , close circulating port .
08:30	10:30	2.00	10.49	Rig in tubing swab equipment , swab to vessel . First swab recovered .67m3 water , continue swabbing to vessel . Pulled 8 - swabs and recovered 6.9m3 (6.4m3 water & .5m3 oil) tubing started flowing .
10:30	14:00	3.50	13.99	Continue flowing to vessel to clean up after acid job , note load fluid to recover 30.9m3 . Confirm with calgary , open casing (slave point) to clean up . Flow tubing on 28 / 64 bean for 1 - hour , to achieve line pack pressure . Note tubing flowing @ 3,563 kPa , gas rate @ 49.75 10³ M³
14:00	15:00	1.00	14.99	Shut in tubing , rig in testers to casing . SICP @ 4,806 kPa , open on gut line 2" line . Flowing @ 886 kPa , gar rate @ 75.21 10³ M³ . Note : recovered no fluid in 1 - hour .
15:00	21:00	6.00	20.99	Shut in casing , rig into tubing . SITP @ 1,836 kPa , open to vessel on gut line 2" . Fluid to surface in 5 minutes , continue flowing to vessel to clean up . 21:00 Pm tubing flowing @ 1,021 kPa , gas rate @ 77.9 10³ M³ . Shut in tubing , monitor pressures . Total fluid recovered 20.45m (17.15m3 water & 3.3m3 oil) , load fluid left to recover 13.75m3 water .
21:00	00:00	3.00	23.99	Continue monitoring pressures with night shift . SICP @ 7,947 kPa , SITP @ 7,956 kPa
00:00	00:00		23.99	Continue monitoring pressures with night shift 07:00 Am , SITP @ 8,325 kPa , SICP @ 8,306 kPa

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			1.03	-1.03
Other	0.00	5.00	16.00	0.00
Water	0.00	12.23	33.96	13.75

Perforations

Date	Zone	Top (mKB)	Blm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)
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Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/15/2010

Report #: 6.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 36,044

Cum Cost to Date: 312,903

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 8,306	Tubing Pressure (kPa) 8,325

Objective

Complete slave point point zone

Operations Summary

Kill well , pull out of hole selective acid tools .

Operations Next Report Period

Kill well . run production .

Road Condition Good	Weather Sunny	Start Date 3/10/2010	End Date 3/19/2010
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Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
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Daily Contacts

Title	Job Contact	Mobile
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Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	07:00	6.99	6.99	Continue monitoring pressures on well , SITP @ 8,348 kPa , SICP @ 8,328 kPa
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on pumping procedures . Walk around equipment .
07:30	12:00	4.50	11.99	Rig in pump line to tubing , pressure test line . Fill tubing with KCL , pumped 5m3 down tubing . Circulating port open ?? , continue forward circulating . Returns @ 9m3 , total pumped 18m3 . Shut in well , tubing on vacuum . Casing building , monitor pressure on casing .
12:00	13:00	1.00	12.99	Casing climbed to 3,017 kPa , bleed off gas head . Fill casing with KCL water 3.5m3 , monitor well . Confirm dead .
13:00	15:00	2.00	14.99	Pull out of hole laying down onto ground , lay out weatherford selective acid tool's . Clean up around work floor
15:00	00:00	9.00	23.99	Continue monitoring pressure on well to 06:00 , SICP @ 2,980 kPa . Bleed off gas head , pump 3.5m3 down casing for well control . Un - load 154 joint's 60.3mm tubing onto pipe racks . Un - load 28m3 KCL water in 60m3 tank .

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			1.03	-1.03
Other			16.00	0.00
Water	18.00	0.00	33.96	31.75

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)
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Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/16/2010

Report #: 7.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 43,271

Cum Cost to Date: 356,174

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 2,980	Tubing Pressure (kPa)

Objective

Complete slave point point zone

Operations Summary

Run and set bridge plug @ 1357mKB, kill well. Run into hole production.

Operations Next Report Period

Continue flowing to clean up.

Road Condition

Good

Weather

Cloudy

Start Date

3/10/2010

End Date

3/19/2010

Head Count

Personnel Total Hours (hrs)

Cum Personnel Total Hours (hrs)

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	04:00	3.99	3.99	Continue monitoring pressure on well to 04:00 Am, SICP @ 2,980 kPa.
04:00	06:00	2.00	5.99	Un - load 154 - joint's 60.3mm tubing. 144 - joint's from guardian, 10 - joint's yellow band from viper rentals. Load 171 - joint's yellow band tubing, send to Aronld Trucking yard and store in yard.
06:00	07:00	1.00	6.99	Rig in Pure Energy E - line truck, finish un - loading tubing. Bleed off casing gas head to 1,000 kPa, pump 6.5m3 KCl water into casing @ 1,500 kPa.
07:00	07:30	0.50	7.49	Crew change, held pre - job safety meeting on pumping procedures. Walk around equipment.
07:30	09:00	1.50	8.99	Run into hole with Pure energy 10K permanent bridge plug, log into place @ 1350mCE. Set bridge plug, pull out of hole. No pressure test on bridge plug open perf's above. Rig down and release e - line truck.
09:00	11:30	2.50	11.49	Run into hole hole with re - entry guide, XN - nipple C / W set of recorders in place, 1 - pup joint C / W slip stop, 1 - joint tubing, X - nipple 47.63mm, 131 - joint's, 4 - pup joint's, 1 - joint tubing, tubing hanger.
11:30	13:30	2.00	13.49	Remove hydrl from BOP's for hiway permit's, nipple down class III BOP's. Install top section well head, note: 73mm top section.
13:30	16:00	2.50	15.99	Rig up work floor and swab equipment, first swab tag fluid @ 246m. Recovered .8m3, continue swabbing to vessel. Pulled 8 - swabs tubing started flowing, recovered 7.3m3 water.
16:00	19:00	3.00	18.99	Continue flowing well to clean up, recovered 20.17m3.
19:00	19:30	0.50	19.49	Crew change, held pre - job safety meeting on flowing sour fluids to vessel. Walk around equipment.
19:30	20:30	1.00	20.49	Flow well till 20:30 Pm, put meter in service.
20:30	00:00	3.50	23.99	Continue flow well to vessel, tubing flowing @ 1,195 kPa, gas rate @ 38.56 10³ M³, .12m3 fluid / hour
00:00	00:00		23.99	Continue well test to vessel. 06:00 Am tubing flowing @ 1,360 kPa, gar rate @ 46.22 10³ M³, fluid rate .05m3 / hour

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			1.03	-1.03
Other			16.00	0.00
Water	0.00	24.69	58.65	7.06

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/16/2010

Report #: 7.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 43,271

Cum Cost to Date: 356,174

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/17/2010

Report #: 8.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 43,773

Cum Cost to Date: 399,947

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 2,452	Tubing Pressure (kPa) 1,360

Objective

Complete slave point point zone

Operations Summary

Continue flowing to vessel for clean up , confirm with calgary . Rig down rig and release . Start flow test on well .

Operations Next Report Period

Continue flow test .

Road Condition Good	Weather Cloudy / Snow	Start Date 3/10/2010	End Date 3/19/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	07:00	6.99	6.99	Continue flowing to vessel , 06:00 Am tubing flowing @ 1,360 kPa , SICP @ 2,452 kPa , gas rate @ 46.22 10 ³ M ³ , fluid rate @ 59L / hour
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on rigging down rig procedures .
07:30	10:30	3.00	10.49	Continue flowing to vessel , rig down rig and equipment . Move rig mats away from well head , pull cat walk away from well head .
10:30	12:00	1.50	11.99	Continue flowing , tubing flowing @ 1,516 kPa , SICP @ 2,663 kPa , gas rate @ 51.46 10 ³ M ³ , fluid rate @ 69L / hour @ 12:00 Pm
12:00	00:00	12.00	23.99	24:01 Am tubing flowing @ 1,694 kPa , SICP @ 2,794 kPa , gas rate @ 57.05 10 ³ M ³ , fluid rate @ 47L / hour .
00:00	00:00	0.00	23.99	06:00 Am tubing flowing @ 1,622 kPa , SICP @ 2,836 kPa , gas rate @ 59.48 10 ³ M ³ , fluid rate @ 10L / hour . Total fluid recovered to date 26.36m ³ water , fluid left to recover 5.39m ³ . Continue flowing to vessel .
00:00	00:00	0.00	23.99	Crew change , held safety meeting on flowing back sour fluid to vessel . Walk around equipment .

Report Fluids Summary

Fluid	To well (m ³)	From well (m ³)	Cum from Well (m ³)	Left to recover (m ³)
Oil			1.03	-1.03
Other			16.00	0.00
Water	0.00	1.67	60.32	5.39

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/18/2010

Report #: 9.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 30,819

Cum Cost to Date: 430,766

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 2,836	Tubing Pressure (kPa) 1,622

Objective

Complete slave point point zone

Operations Summary

Continue test on slave point, shut in well @ 12:00 Pm. Monitor build up's, rig down test equipment and flare stack. Purge vessel and 60m3 tank, confirm no H2S. Open man hole on vessel, clean out vessel. Secure well with chain and lock. Key # 3596.

Operations Next Report Period

Move equipment off location

Road Condition

Good

Weather

Cloudy / Snow

Start Date

3/10/2010

End Date

3/19/2010

Head Count

Personnel Total Hours (hrs)

Cum Personnel Total Hours (hrs)

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
00:01	07:00	6.99	6.99	24:01 tubing flowing @ 1,694 kPa, SICP @ 2,794 kPa, gas rate @ 57.05 10 ³ M ³ , fluid rate @ 47L / hour, 06:00 Am tubing flowing @ 1,622 kPa, SICP @ 2,836 kPa, gas rate @ 59.48 10 ³ M ³ , fluid rate @ 10L / hour. Continue test to vessel
07:00	07:30	0.50	7.49	Crew change, held pre-job safety meeting with all personal on location on taking samples at manifold. Walk around equipment.
07:30	12:00	4.50	11.99	Continue flowing to vessel. 08:00 Am tubing flowing @ 1,745 kPa, SICP @ 2,888 kPa, gas rate @ 60.82 10 ³ M ³ , fluid rate @ 54L / hour. Continue flowing to vessel, shut in well @ 12:00 Pm. Tubing flowing @ 1,939 kPa, SICP @ 3,204 kPa, gas rate @ 60.82 10 ³ M ³ . Continue monitoring pressures on well.
12:00	18:00	6.00	17.99	Rig down test equipment and flare stack, open man way on vessel. Clean out vessel under air, empty 60m3 tanks. Haul away rental equipment. Clean up around well head, chain and lock well head. SICP @ 8,286 kPa, SITP 8,123 kPa

Report Fluids Summary

Fluid	To well (m ³)	From well (m ³)	Cum from Well (m ³)	Left to recover (m ³)
Oil			1.03	-1.03
Other			16.00	0.00
Water	0.00	0.21	60.53	5.18

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



Paramount
resources ltd.

Daily Completion and Workover

PARA ET AL CAMERON N-06

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/19/2010

Report #: 10.0

Total AFE Amount: 608,400.00

AFE Number: 10N020022

Daily Cost Total: 87,414

Cum Cost to Date: 518,180

API/UWI 300N066010117300	Surface Legal Location 300N066010117300	Field Name CAMERON HILLS	License No. 2067
Well Configuration Type VERT	Casing Flange Elevation (m) 713.48	Ground Elevation (m) 712.45	Original KB Elevation (m) 717.15
Last Casing String Production, 1,449.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa)	Tubing Pressure (kPa)

Objective

Complete slave point point zone

Operations Summary

Moved test equipment back to Valleyview , moved rental equipment off location .

Operations Next Report Period

Hand - over to production

Road Condition Good	Weather Clear	Start Date 3/10/2010	End Date 3/19/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
07:00	07:30	0.50	0.50	Held pre - job safety meeting on moving equipment in hour of darkness . Walk around test equipment and lease .
07:30	14:30	7.00	7.50	Move test vessel and 125 Ft flare stack off location , hauled away remaining equipment off location

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Oil			1.03	-1.03
Other			16.00	0.00
Water			60.53	5.18

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/13/2010	Sulphur Point Lower, Original Hole	1,283.00	1,286.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,365.00	1,366.00	
3/13/2010	Sulphur Point Lower, Original Hole	1,370.50	1,371.50	
3/11/2010	Sulphur Point Upper, Original Hole	1,382.00	1,385.00	
3/11/2010	Sulphur Point Upper, Original Hole	1,392.00	1,396.50	
3/11/2010	Sulphur Point Lower, Original Hole	1,421.50	1,424.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	371.53
Production	J-55	20.834	1,449.00



A CCS Company
Concord Well Servicing
3606 Highway St. Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 1	Client Paramount Resources Ltd.	Date 10-Mar-2010	Report No: CWS-041-60-4-1	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE# Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
Wellhead Connection 73 mm 21 MPa	GPS. H2S	Tubing Press Casing Press	n/a kPa Dead kPa2	Charge Code 03

From	To	Time	Details Of Operation
00:00	05:30	5.50	Hold pre-job safety meeting w/all personnel. Assist trucks to load support equipment. Move rig and equipment to the above location. Assist trucks to spot 2 400 bbl tanks, p-tank, flare, propane skid, boiler, class 3, rig matts, catwalk and pipe racks.
05:30	07:00	1.50	Spot rig and equipment to company and government regulations. Raise derrick and level over hole. Rig in and secure out riggers. Function test crown saver, F-kills, and air horn. (Good)
07:00	10:00	3.00	Fill and fire boiler. Rig in accumulator lines and class 3 system. Complete vent flow bubble test. No flow. Stump test BOPs to 2000 and 21000 kPa for 10 min ea (Good). Remove wellhead and install BOP stack. Pressure test BOPs to 2000 kPa and 21000 kPa for 10 min ea (Good). Rig in and pressure test csg to 14,000 kPa for 15 min. (Good)
10:00	13:00	3.00	Tally, drift, assemble, and RIH w/bit and csg scraper.
13:00	14:00	1.00	Tag PBTD @ 1437.11 mKB. Rig in and reverse circulate well over to 3% KCL. Pump 19.0 m3 w/19.0 m3 returned to the rig tank.
14:00	21:00	7.00	Rig in Pure Energy. Hold pre-job safety meeting. RIH w/CBL bond log. Tag PBTD @ 1434.0 mKB. Cement top @ surface. Rig out wireline unit.
21:00	23:59	3.00	Rig and csg swab well. Pull 12 swabs w/13 56 m3 recovered.

Safety / BOP

Meeting Details:

Move on, Spot, Rig up.
Test, install BOPs, Test csg.
Csg scraper run. Wireline operations.

- ☒ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☒ Power to PumpJack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☒ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☒ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☒ B.O.P. Remote Function Tested
- ☒ Accumulator pre-charge checked

Well Secure Time 51 sec
SCBA Drill Date: 3/6/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: 14500 kPa
Final Accum. Pressure. 10200 kPa
Piperams Proper Size: 73
Piperams Tested
Low Pres : 2000 kPa 10 min
High Pres : 21000 kPa 10 min
Annular Tested
Low Pres : 2000 kPa 10 min
High Pres : 10000 kPa 10 min
Blindrams Tested
Low Pres : 2000 kPa 10 min
High Pres : 21000 kPa 10 min
Safety Valve Tested
Low Pres : 2000 kPa 10 min
High Pres : 21000 kPa 10 min
Pump Manifold Valves Tested
Low Pres : 2000 kPa 10 min
High Pres : 21000 kPa 10 min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	12	\$615.00	\$7,380.00
Rig O/T After 8 Hrs(NWT)	Hour	4	\$210.00	\$840.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	8	\$85.00	\$680.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00

Basic Well Costs Total: \$11,886.50

Expendables Costs

Description	Qty	Rate	Total
Saver Rubber	2	\$16.00	\$32.00
140mm Csg Cup	12	\$20.00	\$240.00

Expendable Cost Total: \$272.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00
	Csg scraper 5 day min	1	\$550.00	\$550.00

Third Party Cost: \$756.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	12	
Driller-NWT #1	110		Glen	Woodworth	12	
Derrickhand-NWT #			John	O'Reilly	12	
Derrickhand-NWT #			Landon	Graham	12	
Floorhand-NWT #1			Scott	Gregory	12	
Floorhand-NWT #1			Christopher	Wilson	12	

Tubing Memo

Hauled in 171 jts of 73mm tbg.

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$11,886.50

Expendables Cost Total : \$272.00

Third Party Cost Total : \$756.00

Subtotal: \$12,914.50

OC Initial GST(865-985469 RT003) : \$645.73

Estimated Total: \$13,560.23

Rig Time: 12

Stand By Time: 0

Repair Time: 0

Signatures

Rig Manager's Signature:

Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 2	Client Paramount Resources Ltd.	Date 11-Mar-2010	Report No: CWS-041-60-4-2	PO# Accl. No.
Operator Rep. Kim MacLeod	Well Name Paramount et al Cameron	Prov: NT	MWO# AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
Wellhead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press Casing Press	n/a kPa Dead kPa2	Charge Code 03

From	To	Time	Details Of Operation
00:00	01:30	1.50	Continue to csg swab well. Pull 2 swabs w/1.77 m3 recovered. Rig out csg swab equipment
01:30	05:30	4.00	Rig in Pure Energy wireline unit. Hold tailgate meeting. Rig in wireline. Hold pre-job safety meeting w/all personnel on location. Ensure all phones, two way radios and pagers are turned off. RIH w/101mm pref gun. Tag fluid level @ 1200.0 mKB. Perforate Sulphur Point Dolomite 1421.5 - 1424.0 mKB. Perforate Sulphur Point Dolomite 1392.0 - 1396.5 mKB. Perforate Sulphur Point Dolomite 1382.0 - 1385.0 mKB. Rig out wireline unit.
05:30	07:30	2.00	Wait on tool hand. Bump test gas monitor. Sweep area for hazardous environments. Area clear. Walk around and visually check rig and equipment (Good) Service and start equipment. Hold pre-job safety meeting. Function test crown saver, E-kills, and air horn (Good)
07:30	10:00	2.50	Make up and RIH w/selective acid tools.
11:30	13:00	1.50	Continue to RIH w/tbg and position selective tools below 1421.5 - 1424.0 mKB perforations. Strp on pack-off head.
13:00	23:59	11.00	Rig in Sanjel C & A unit. Spot acid hauler and shower unit. Hold pre-job safety meeting w/all personnel on location. Spot 3.5 m3 of 15% HCL blend. Complete 5 - 200 liter washes. Hoist tbg and function circulation valve closed. Pressure test selective cup tool. (Good) Hoist tbg and position selective tool and squeeze 2.5 m3 into 1421.5 - 1424.0 mKB perforations. Hoist tbg and lay out 6 jts of 73mm tbg. RH w/ 2 - 73 mm pup jts and 2 jts of 73mm tbg. Hoist tbg and function circulation valve opened. Spot 4.5 m3 of 15% HCL blend. Work tbg and function circulation valve closed. Position selective tool and squeeze 4.5 m3 into 1392.0 - 1396.5 mKB perforations. Hoist tbg and pull 1 jt of 73mm tbg. Work tbg and function circulation valve opened. Spot 3.0 m3 of 15% HCL blend. Work tbg and function circulation valve closed. Position selective tool and squeeze 3.0 m3 into 1382.0 - 1385.0 mKB perforations. Rig out acid unit. Tbg is flowing. Rig in and bleed off tbg to testers
10:00	11:30	1.50	Rig in to forward circulate well. Pump 13.2 m3 to break circulation. Pump a total of 16.4 m3. Rig out circulating equipment. Work tbg and locate marker jt. Confirm depth.

Safety / BOP

Meeting Details:

Wireline operations.
Tripping tbg.
Selective acid job.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☐ Power to Pump/Jack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☐ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☒ Blind Function Tested
- ☐ Annular Function Tested
- ☒ Ram Saver Function Tested
- ☒ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/6/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size: 73
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	12	\$615.00	\$7,380.00
Rig O/T After 8 Hrs(NWT)	Hour	4	\$210.00	\$840.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	8	\$85.00	\$680.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00
Pack-off Head	Day	1	\$125.00	\$125.00
Swab or Mastervale	Day	1	\$50.00	\$50.00

Basic Well Costs Total: \$12,061.50

Expendables Costs

Description	Qty	Rate	Total
Pack-off Rubber	1	\$100.00	\$100.00

Expendable Cost Total: \$100.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00

Third Party Cost: \$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	12	
Driller-NWT #1	110		Glen	Woodworth	12	
Derrickhand-NWT #			John	O'Reilly	12	
Derrickhand-NWT #			Landon	Graham	12	
Floorhand-NWT #1			Scott	Gregory	12	
Floorhand-NWT #1			Christopher	Wilson	12	

Tubing Memo

Fluids Memo

Rods Memo

Totals
Basic Well Cost Total : \$12,061.50
Expendables Cost Total : \$100.00
Third Party Cost Total : \$206.00
Subtotal: \$12,367.50
OC Initial GST(865-985469 RT003) : \$618.38
cpatience **Estimated Total: \$12,985.88**

Rig Time: 12 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:

Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 3	Client Paramount Resources Ltd.	Date 12-Mar-2010	Report No: CWS-041-60-4-3	PO# Acct. No.
Operator Rep Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver
Wellhead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press 0 kPa Casing Press 0 kPa2	Charge Code 03	

From	To	Time	Details Of Operation
00:00	18:00	18:00	Rig in to swab lbg to the test vessel. Pull 37 swabs w/20.66 m3 recovered
18:00	23:59	6:00	Wait on slickline unit.

Safety / BOP

Meeting Details:

Swab sour to test vessel.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☐ Power to PumpJack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☐ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☐ Pipe Function Tested
- ☐ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☐ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/6/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size:
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	12	\$615.00	\$7,380.00
Rig O/T After 8 Hrs(NWT)	Hour	4	\$210.00	\$840.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	8	\$85.00	\$680.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00
Inhibitor Injector	Day	1	\$100.00	\$100.00
Pack-off Head	Day	1	\$125.00	\$125.00

Basic Well Costs Total: \$12,111.50

Expendables Costs

Description	Qty	Rate	Total
Sandline Inhibitor(lit)	10	\$15.00	\$150.00
Saver Rubber	4	\$16.00	\$64.00
73mm Swap Cup	12	\$35.00	\$420.00

Expendable Cost Total: \$634.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00

Third Party Cost: \$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	12	
Driller-NWT #1	110		Glen	Woodworth	12	
Derrickhand-NWT #			John	O'Reilly	12	
Derrickhand-NWT #			Landon	Graham	12	
Floorhand-NWT #1			Scott	Gregory	12	
Floorhand-NWT #1			Christopher	Wilson	12	

Tubing Memo

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$12,111.50
Expendables Cost Total : \$634.00
Third Party Cost Total : \$206.00
Subtotal: \$12,951.50

OC Initial GST(865-985469 RT003): \$647.58
cpalience Estimated Total: \$13,599.08

Rig Time: 12 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:
Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 4	Client Paramount Resources Ltd.	Date 13-Mar-2010	Report No: CWS-041-60-4-4	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
Wellhead Connection 73 mm	21 MPa	GPS. H2S	Tubing Press 2 kPa Casing Press 686 kPa2	Charge Code 03

From	To	Time	Details Of Operation
00:00	03:30	3.50	Wait on slickline unit.
03:30	10:00	6.50	Hold tailgate meeting. Spot and rig in Pure Energy Slickline unit. Hold pre-job safety meeting w/all personnel on location. RIH and perform static gradient as per program. Rig out slickline unit.
10:00	11:00	1.00	Rig in and reverse circulate well. Pump 16.5 m3 w/trace of returns to the vessel. Shut down pump. Hoist tbq and function circulating valve open. Rig in and forward circulate well. Pump 4.5 m3 w/2.3 m3 returned to the test vessel. Well goes on slight vac. Complete 10 min flow check. Well dead. Strip off pack-off head and prepare to trip tbq.
11:00	13:00	2.00	POOH w/73mm tbq. Lay out selective acid tools.
13:00	15:30	2.50	Spot Pure Energy wireline unit. Hold tailgate meeting. Rig in wireline. Hold pre-job safety meeting w/all personnel on location. Ensure all phones, two way radios, and pagers are turned off. RIH and set bridge plug @ 1379.0 mKB. Rig in to fill csg. Pump 3.0 m3 of inhibited water. Pressure test to 14 mPa for 10 min. (Good)
15:30	18:30	3.00	Rig in to csg swab well to rig tank. Pull 14 swabs w/13.12 m3 recovered. Rig out swab equipment.
18:30	21:30	3.00	Rig in Pure Energy wireline unit. Hold tailgate meeting. Rig in wireline. Hold pre-job safety meeting w/all personnel on location. Ensure all phones, two way radios and pagers are turned off. RIH w/101mm pref gun. Tag fluid level @ 1180.0 mKB. Perforate Sulphur Point Limestone 1370.5 - 1371.5 mKB. Perforate Sulphur Point Limestone 1365.0 - 1366.0 mKB. Perforate Slave Point 1283.0 - 1286.0 mKB. Rig out wireline unit.
21:30	23:00	1.50	Assemble and RIH w/selective acid tools, and 73mm tbq.
23:00	23:59	1.00	Rig in and forward circulate well. Pump 3.2 m3 and tbq pressures up. (circulating valve is closed) Rig in and fill csg. Pump 8.7 m3 to fill. Rig out circulating equipment. Work tbq and locate marker it. Confirm depth, continue to RIH and space out below bottom shot. Strip on pack-off head.

Safety / BOP

Meeting Details:

Slickline operations. Tripping tbq.
E-line operations. Csg swab. Perforate well.
Tripping tbq. Selective acid job.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☐ Power to Pump/Jack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☒ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☒ Blind Function Tested
- ☐ Annular Function Tested
- ☒ Ram Saver Function Tested
- ☒ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec

SCBA Drill Date: 3/6/2010

Number of SCBA's 2

Number of Fire Ext 4

Pump Relief Valve set @ 21000 kPa

Initial Accumulator Pres.: kPa

Final Accum. Pressure: kPa

Piperams Proper Size: 73

Piperams Tested

Low Pres : kPa min

High Pres : kPa min

Annular Tested

Low Pres : kPa min

High Pres : kPa min

Blindrams Tested

Low Pres : kPa min

High Pres : kPa min

Safety Valve Tested

Low Pres : kPa min

High Pres : kPa min

Pump Manifold Valves Tested

Low Pres : kPa min

High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	17	\$615.00	\$10,455.00
Rig O/T After 8 Hrs(NWT)	Hour	9	\$210.00	\$1,890.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	8	\$85.00	\$680.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00

Basic Well Costs Total: \$16,011.50

Expendables Costs

Description	Qty	Rate	Total
Sandline Inhibitor(lit)	6	\$15.00	\$90.00
Saver Rubber	2	\$16.00	\$32.00
140mm Csg Cup	12	\$20.00	\$240.00

Expendable Cost Total: \$362.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00

Third Party Cost: \$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	17	
Driller-NWT #1	110		Glen	Woodworth	12	
Derrickhand-NWT #			John	O'Reilly	17	
Derrickhand-NWT #			Landon	Graham	12	
Floorhand-NWT #1			Scott	Gregory	17	
Floorhand-NWT #1			Christopher	Wilson	17	

Tubing Memo

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$16,011.50

Expendables Cost Total : \$362.00

Third Party Cost Total : \$206.00

Subtotal: \$16,579.50

OC Initial GST(865-985469 RT003) : \$828.98

Estimated Total: \$17,408.48

Rig Time: 17 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:

Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 5	Client Paramount Resources Ltd.	Date 14-Mar-2010	Report No: CWS-041-60-4-5	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Paramount et al Cameron	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
Wellhead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press Casing Press	Dead kPa Dead kPa2	Charge Code 03

From	To	Time	Details Of Operation
00:00	08:00	8.00	Rig in Sanjel C & A unit. Spot acid hauler and shower unit. Hold pre-job safety meeting w/all personnel on locaton. Spot 2.0 m3 of 15% HCL blend. Complete 1 - 100 liter wash. Hoist tbg and function circulation valve closed. Pressure test Selective cup tool. (Good) Hoist tbg and position selective tool and squeeze 0.9 m3 into 1370.5 -1371.5 mKB perforations. Hoist tbg and position selective tool and squeeze 1.0 m3 into 1365.0 -1366.0 mKB perforations. Hoist tbg and lay out 9 fts of 73mm tbg. Work tbg and function circulation valve opened. Spot 3.0 m3 of 15% HCL blend. Work tbg and function circulation valve closed. Position selective tool and squeeze 3.0 m3 into 1283.0 -1286.0 mKB perforations. Lower tbg and set swab packer w/te @ 1364.89 mKB. Rig out acid unit.
08:00	10:30	2.50	Rig in to swab tbg to test vessel. Pull 8 swabs w/6.90 m3 recovered. Well begins to flow.
10:30	14:00	3.50	Flow tbg to test vessel for clean up.
14:00	15:30	1.50	Shut in tbg and rig in to flow csg to test vessel. Flow csg to test vessel for clean up
15:30	23:59	8.50	Shut in the csg and rig in to test tbg to the vessel. Flow test well. Shut in well and monitor pressures.

Safety / BOP

Meeting Details:

- ☐ BOP Drill
- ☐ Daily Walk around Inspection
- ☐ Emergency Airhorn Tested
- ☐ Crown Saver Tested
- ☐ Rig Motor Shut-off
- ☐ Pump Motor Shut-off
- ☐ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☐ Escape Buggy Installed
- ☐ KillLine Connected/Secured
- ☐ Power to Pump/Jack Off/Secured
- ☐ Rig and Equip. Bonded to Wellhead
- ☐ Mains and Drum Brake Linkage
- ☐ Self-Retracting Lifelines Tested
- ☐ Fall Arrest Harnesses Inspected
- ☐ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☐ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☒ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/6/2010
Number of SCBA's
Number of Fire Ext
Pump Relief Valve set @ kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size: 73
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	10	\$615.00	\$6,150.00
Rig O/T After 8 Hrs(NWT)	Hour	2	\$210.00	\$420.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	4	\$85.00	\$340.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00
Inhibitor Injector	Day	1	\$100.00	\$100.00
Pack-off Head	Day	1	\$125.00	\$125.00
Swab or Mastervalse	Day	1	\$50.00	\$50.00
Basic Well Costs Total:				\$10,171.50

Expendables Costs

Description	Qty	Rate	Total
Sandline Inhibitor(lit)	10	\$15.00	\$150.00
Saver Rubber	2	\$16.00	\$32.00
73mm Swap Cup	3	\$35.00	\$105.00
Expendable Cost Total:			\$287.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00
Third Party Cost:				\$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	10	
Driller-NWT #1	110		Glen	Woodworth	10	
Drumckhand-NWT #			John	O'Reilly	10	
Drumckhand-NWT #			Landon	Graham	10	
Floorhand-NWT #1			Christopher	Wilson	10	
Floorhand-NWT #1			Scott	Gregory	10	

Tubing Memo

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$10,171.50
Expendables Cost Total : \$287.00
Third Party Cost Total : \$206.00
Subtotal: \$10,664.50
OC Initial GST(865-985469 RT003) : \$533.23
cpatience Estimated Total: \$11,197.73

Rig Time: 10 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature: _____
Operator's Representative: _____



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 6	Client Paramount Resources Ltd.	Date 15-Mar-2010	Report No: CWS-041-60-4-6	PO# Acct. No
Operator Rep. Kim MacLeod	Well Name Paramount et al Cameron	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 6	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
Wellhead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press 8348 kPa	Casing Press 8328 kPa	Charge Code 03

From	To	Time	Details Of Operation
00:00	07:00	7.00	Continue to monitor well pressures.
07:00	07:30	0.50	Crew change. Bump test gas monitor. Sweep area for hazardous environments. Area clear. Walk around and visually check rig and equipment. (Good) Service and start equipment. Hold pre-job safety meeting w/all personnel on location. Review well kill procedures.
07:30	12:00	4.50	Rig in to forward circulate well. Pump 18.0 m3 w/returns to the vessel after 9 0 m3.
12:00	13:00	1.00	Monitor well pressures. Csg climbs to 3017 kPa. Bleed off gas head to the test vessel. Rig in and pump 3.5 m3 down csg.
13:00	15:00	2.00	POOH sideways w/73mm tbq. Break down and lay selective acid tools.
15:00	23:59	9.00	Continue to read and record shut in pressures. Wait on wireline. Assist picker to unload 154 jts of 60.3mm tbq.

Safety / BOP

Meeting Details:

Well kill operations.
Tripping tbq to catwalk and racks.
Read and record pressures.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☐ Power to PumpJack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☒ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☒ Blind Function Tested
- ☐ Annular Function Tested
- ☒ Ram Saver Function Tested
- ☒ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/6/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size: 73
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	10	\$615.00	\$6,150.00
Rig O/T After 8 Hrs(NWT)	Hour	2	\$210.00	\$420.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	4	\$85.00	\$340.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00

Basic Well Costs Total: \$9,896.50

Expendables Costs

Description	Qty	Rate	Total
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Expendable Cost Total: \$0.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Well Site Radios	8	\$7.00	\$56.00
	Personal Monitors	5	\$30.00	\$150.00

Third Party Cost: \$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	10	
Driller-NWT #1	110		Glen	Woodworth	10	
Derrickhand-NWT #			John	O'Reilly	10	
Derrickhand-NWT #			Landon	Graham	10	
Floorhand-NWT #1			Scott	Gregory	10	
Floorhand-NWT #1			Christopher	Wilson	10	

Tubing Memo

Hauled in 154 jts of 60 3mm tbq.
Hauled out 171 jts of 73mm tbq.

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$9,896.50
Expendables Cost Total : \$0.00
Third Party Cost Total : \$206.00
Subtotal: \$10,102.50

OC Initial GST(865-985469 RT003) : \$505.13
Estimated Total: \$10,607.63

Rig Time: 10 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:
Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St. Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 7	Client Paramount Resources Ltd.	Date 16-Mar-2010	Report No: CWS-041-60-7-1	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -4	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS. H2S	Tubing Press Casing Press	n/a kPa 2980 kPa2	Charge Code 03

From	To	Time	Details Of Operation
16:00	23:59	8:00	Continue to flow well to testers. Rig out class 3 system, boiler, and catwalk/V-door.
00:00	04:30	4:50	Wait on wireline unit.
04:30	08:00	3:50	Spot Pure Energy wireline unit. Hold tailgate meeting. Rig in wireline. Hold pre-job safety meeting w/all personnel on location. Ensure all phones, two way radios, and pagers are turned off. RIH and set bridge plug @ 1357.0 mKB. Rig out wireline unit.
08:00	11:00	3:00	Tally, drift, assemble, and RIH w/60 3mm production tbg
11:00	13:00	2:00	Rig out air slip, power tongs, and ng floor. Space out and land tbg hanger. Split BOP stack and install wellhead
13:00	16:00	3:00	Rig in to swab tbg to test vessel. Pull 8 swabs w/7.3 m3 and well begins to flow.

Safety / BOP

Meeting Details:

Well kill operations.
Tripping tbg from catwalk and racks.
remove BOPs and install wellhead.

- ☒ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☒ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☒ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☒ Escape Buggy Installed
- ☒ KillLine Connected/Secured
- ☐ Power to PumpJack Off/Secured
- ☒ Rig and Equip. Bonded to Wellhead
- ☒ Mains and Drum Brake Linkage
- ☒ Self-Retracting Lifelines Tested
- ☒ Fall Arrest Harnesses Inspected
- ☒ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☒ Pipe Function Tested
- ☐ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☐ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time **44** sec
SCBA Drill Date: **3/15/2010**
Number of SCBA's **2**
Number of Fire Ext **4**
Pump Relief Valve set @ **21000** kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size: **73**
Piperams Tested
Low Pres: kPa min
High Pres: kPa min
Annular Tested
Low Pres: kPa min
High Pres: kPa min
Blindrams Tested
Low Pres: kPa min
High Pres: kPa min
Safety Valve Tested
Low Pres: kPa min
High Pres: kPa min
Pump Manifold Valves Tested
Low Pres: kPa min
High Pres: kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	10	\$615.00	\$6,150.00
Rig O/T After 8 Hrs(NWT)	Hour	2	\$210.00	\$420.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	4	\$85.00	\$340.00
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00
Inhibitor Injector	Day	1	\$100.00	\$100.00
Basic Well Costs Total:				\$9,996.50

Expendables Costs

Description	Qty	Rate	Total
Sandline Inhibitor(lit)	8	\$15.00	\$120.00
Saver Rubber	2	\$16.00	\$32.00
60mm Swab Cup	3	\$30.00	\$90.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00
Third Party Cost:				\$206.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	110		Dwayne	Palmer	20	
Driller-NWT #1	110		Doug	Palmer	10	
Driller-NWT #1	110		Glen	Woodworth	10	
Derrickhand-NWT #			Landon	Graham	10	
Derrickhand-NWT #			John	O'Reilly	10	
Floorhand-NWT #1			Christopher	Wilson	10	
Floorhand-NWT #1			Scott	Gregory	10	

Tubing Memo

Wireline re-entry guide 0.13m
XN profile nipple 0.30m
60.3mm tbg pup jt 3.09m
1 jt of 60 3mm tbg 9.63m
X Profile nipple 0.28m
132 jts of 60.3mm tbg 1250.24m
60.3mm tbg pup jt 1.86m
60.3mm tbg pup jt 1.85m
60 3mm tbg pup jt 1.88m
60.3mm tbg pup jt 1.24m
1 jt of 60 3mm tbg 9.44m
Tbg hanger 0.22m
KB to THF 4.05m

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$9,996.50
Expendables Cost Total : \$242.00
Third Party Cost Total : \$206.00
Subtotal: \$10,444.50
OC Initial GST(865-985469 RT003) : \$522.23
cpatience Estimated Total: \$10,966.73

Rig Time: 10 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:

Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 8	Client Paramount Resources Ltd.	Date 17-Mar-2010	Report No: CWS-041-60-7-2	PO#: Acct. No.
Operator Rep. Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions Good	Lease Temperature -11	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press Casing Press	kPa kPa2	Charge Code 03

From	To	Time	Details Of Operation
07:00	13:30	6.50	Bump test gas monitor. Sweep area for hazardous environments. Area clear. Walk around and visually check rig and equipment. (Good) Service and start equipment. Hold pre-job safety meeting w/all personnel on location. Rig out rig and equipment. Prepare to move. Wait on orders.
13:30	23:00	9.50	Move rig and equipment to Manning, load rig on 40 wheeler in Total's yard. Continue to move support equipment to Peace River. Spot equipment. Complete post trip inspections. Fuel and plug in equipment.
			SDFN.
			Note to Curtis: Seeing John quit in the middle off a shift I paid him 6 hrs for the time he worked and split the remaining 10 hrs to cover for the extra hrs, Glenn and Landon, Kim would only pay for extra labour for 12 hr shift

Safety / BOP

Meeting Details:

Rig out rig and equipment.
Prepare to move. Remove chains.
Move rig and equipment.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☐ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☐ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☐ Escape Buggy Installed
- ☐ KillLine Connected/Secured
- ☐ Power to Pump/Jack Off/Secured
- ☐ Rig and Equip. Bonded to Wellhead
- ☐ Mains and Drum Brake Linkage
- ☐ Self-Retracting Lifelines Tested
- ☐ Fall Arrest Harnesses Inspected
- ☐ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☐ Pipe Function Tested
- ☐ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☐ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/15/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	16	\$615.00	\$9,840.00
Rig O/T After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00
Rig Manager (110Km Min)	Km	585	\$1.05	\$614.25
Crew Vehicle (110 Km Min)	Km	1170	\$1.05	\$1,228.50
Extra Labour	Hour	16	\$65.00	\$1,040.00
Extra Labour O/T	Hour	8	\$85.00	\$680.00
Basic Well Costs Total:				\$15,082.75

Expendables Costs

Description	Qty	Rate	Total
Expendable Cost Total:			\$0.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Personal Monitors	5	\$30.00	\$150.00
	Well Site Radios	8	\$7.00	\$56.00
	Government Permits	1	\$50.00	\$50.00
Third Party Cost:				\$256.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	585		Dwayne	Palmer	16	
Driller-NWT #1	585		Doug	Palmer	16	
Driller-NWT #1	585		Glen	Woodworth	16	
Derrickhand-NWT #		1	John	O'Reilly	6	
Derrickhand-NWT #			Landon	Graham	16	
Floorhand-NWT #1			Scott	Gregory	16	
Floorhand-NWT #1			Christopher	Wilson	16	

Tubing Memo

Fluids Memo

Rods Memo

Totals

Basic Well Cost Total : \$15,082.75
Expendables Cost Total : \$0.00
Third Party Cost Total : \$256.00
Subtotal: \$15,338.75

OC Initial GST(865-985469 RT003) : \$766.94
Estimated Total: \$16,105.69

Rig Time: 16 Stand By Time: 0 Repair Time: 0

Signatures

Rig Manager's Signature:

Operator's Representative:



A CCS Company
Concord Well Servicing
3606 Highway St.Valleyview, AB, T0H 3N0

DAILY JOB REPORT

Rig No.: 041

Day on Well 9	Client Paramount Resources Ltd.	Date 18-Mar-2010	Report No: CWS-041-60-7-3	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location Paramount et al Cameron N-06	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1449	Csg Size 139.7	Lease Conditions	Lease Temperature -6	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press Casing Press	kPa kPa2	Charge Code 03

From	To	Time	Details Of Operation
07:00	14:00	7:00	Complete pre-trip inspections. Continue to move rig and equipment to Concord Yard. Complete post trip inspections. Unload rig tank and assist vac truck w/cleaning. Assist picker and low boy trucks to unload and spot support equipment. Assist steamer to clean rig derrick and carrier. Park and fuel all equipment. Crew travels to Red Deer.

Safety / BOP

Meeting Details:

Rig move.
Spot equipment.
Clean and fuel equipment.

- ☐ BOP Drill
- ☒ Daily Walk around Inspection
- ☒ Emergency Airhorn Tested
- ☐ Crown Saver Tested
- ☒ Rig Motor Shut-off
- ☒ Pump Motor Shut-off
- ☐ Lockout System Compliance
- ☐ Anchors Installed/Guylines secured
- ☐ Escape Buggy Installed
- ☐ KillLine Connected/Secured
- ☐ Power to PumpJack Off/Secured
- ☐ Rig and Equip. Bonded to Wellhead
- ☐ Mains and Drum Brake Linkage
- ☐ Self-Retracting Lifelines Tested
- ☐ Fall Arrest Harnesses Inspected
- ☐ Lanyards Inspected
- ☐ Rod B.O.P Function Test
- ☐ Pipe Function Tested
- ☐ Blind Function Tested
- ☐ Annular Function Tested
- ☐ Ram Saver Function Tested
- ☐ B.O.P. Remote Function Tested
- ☐ Accumulator pre-charge checked

Well Secure Time sec
SCBA Drill Date: 3/15/2010
Number of SCBA's 2
Number of Fire Ext 4
Pump Relief Valve set @ 21000 kPa
Initial Accumulator Pres.: kPa
Final Accum. Pressure: kPa
Piperams Proper Size:
Piperams Tested
Low Pres : kPa min
High Pres : kPa min
Annular Tested
Low Pres : kPa min
High Pres : kPa min
Blindrams Tested
Low Pres : kPa min
High Pres : kPa min
Safety Valve Tested
Low Pres : kPa min
High Pres : kPa min
Pump Manifold Valves Tested
Low Pres : kPa min
High Pres : kPa min

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	7	\$615.00	\$4,305.00
Rig Manager (110Km Min)	Km	700	\$1.05	\$735.00
Crew Vehicle (110 Km Min)	Km	1400	\$1.05	\$1,470.00
Travel Allowance (After 1 hour	Man hr	20	\$17.00	\$340.00
Living Allowance	Man/D	5	\$65.00	\$325.00
Basic Well Costs Total:				\$7,175.00

Expendables Costs

Description	Qty	Rate	Total
Expendable Cost Total:			\$0.00

Third Party Cost

Item	Description	Qty	Amount	Total
	Accommodations	1	\$630.00	\$630.00
	Rig Cleaning 50% Cost	1	\$1,200.00	\$1,200.00
Third Party Cost:				\$1,830.00

Rig Crew

Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days
Rig Manager-NWT #	700	4	Dwayne	Palmer	7	
Driller-NWT #1	700	4	Doug	Palmer	7	
Driller-NWT #1	700	4	Glen	Woodworth	7	
Derrickhand-NWT #	4		Landon	Graham	7	
Floorhand-NWT #1	4		Christopher	Wilson	7	

Tubing Memo

Fluids Memo

Rods Memo

Totals

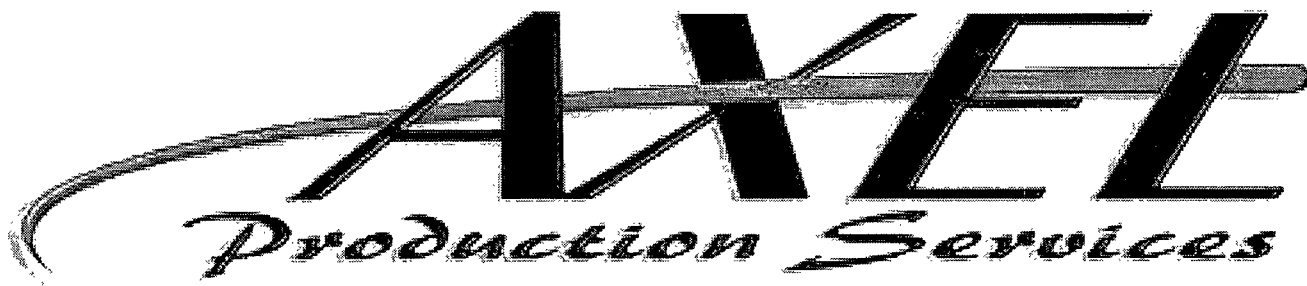
Basic Well Cost Total : \$7,175.00
Expendables Cost Total : \$0.00
Third Party Cost Total : \$1,830.00
Subtotal: \$9,005.00

OC Initial GST(865-985469 RT003) : \$450.25
cpatience Estimated Total: \$9,455.25

Rig Time: 7 Stand By Time:0 Repair Time: 0

Signatures

Rig Manager's Signature:
Operator's Representative:



SWAB/CLEAN UP
PAS-PRD

PARAMOUNT RESOURCES LTD.

Well Name: Para et al Cameron N-06

UWI: 60-10-117-30

FIELD: Cameron Hills

FORMATION: Slave Point

Test/Prod Intervals: 1283.0-1286.0 mKB

TEST DATE (s): March 16-18, 2010

DISTRIBUTION: Well Completions - Calgary, AB - 2 copies

PREPARED BY: Enertec Systems enertec@telus.net

Roberta (Robbie) Lailey

Cell: (403) 651-1350

Axel Production Services Ltd.

4th Floor, 522 - 11th Avenue SW

Calgary, AB T2R 0C8

Phone: (403) 266-8613

Cell: (403) 507-5169

Fax: (403) 266-8617

email: Jason Haffner - jasonh@axelltd.ca

Field Production Notes (PAS_PRD) v. 4.00
GENERAL INFORMATION

Well Info:

Oil Company Name: PARAMOUNT RESOURCES LTD.
Well Name: Para et al Cameron N-06
Unique Well ID (UWI): 60-10-117-30
Surface Location: EUB Well License No.:
Formation: Slave Point Drilling Leg: 01
Field: Cameron Hills

Well Fluid Type at Test Date:	☐	01 - Oil
	☒	02 - Gas
	☐	03 - Water
	☐	17 - Crude Bitumen

Test Data:

Service Company Name:	Axel Production Services Ltd.	Recorders Run:	No
Service Company Code:	AXEL		
Test Final Date/Time:	18-Mar-10 17:30		
		Previous Gas Prod.:	0.0000 10 ³ m ³
		Gas Flared:	84.3664 10 ³ m ³
Test/Prod. Interval Top mKB (Log):	1283.00 m	Gas Incinerated:	0.0000 10 ³ m ³
Test/Prod. Interval Base mKB (Log):	1286.00 m	Gas Produced to Pipeline:	0.0000 10 ³ m ³
		Gas Vented:	0.0000 10 ³ m ³

Meters:

Gas Meter1

Metering Device Type:	Orifice	Gas Relative Density:	0.650
Meter Run/Prover Size:	97.200 mm	Nitrogen (N2):	0.0000 %
		Carbon Dioxide (CO2):	0.0000 %
Atmospheric Pressure:	93.01 kPa	Hydrogen Sulphide (H2S):	0.0000 %
Tap Type:	Flanged		
Tap Location:	Downstream		

Liquid Meter1

Liquid Type Indicator: Water
Metering Device Type: Produced Volume
Tank Measurement Indicator: Incremental
pH: 6
Salinity: 40000
API (Oil Gravity):

Liquid Meter2

Liquid Type Indicator: Oil/Condensate
Metering Device Type: Produced Volume
Tank Measurement Indicator: Incremental

ERCB PAS-PRD File Name: N-06-Slave Point-2010-03-18

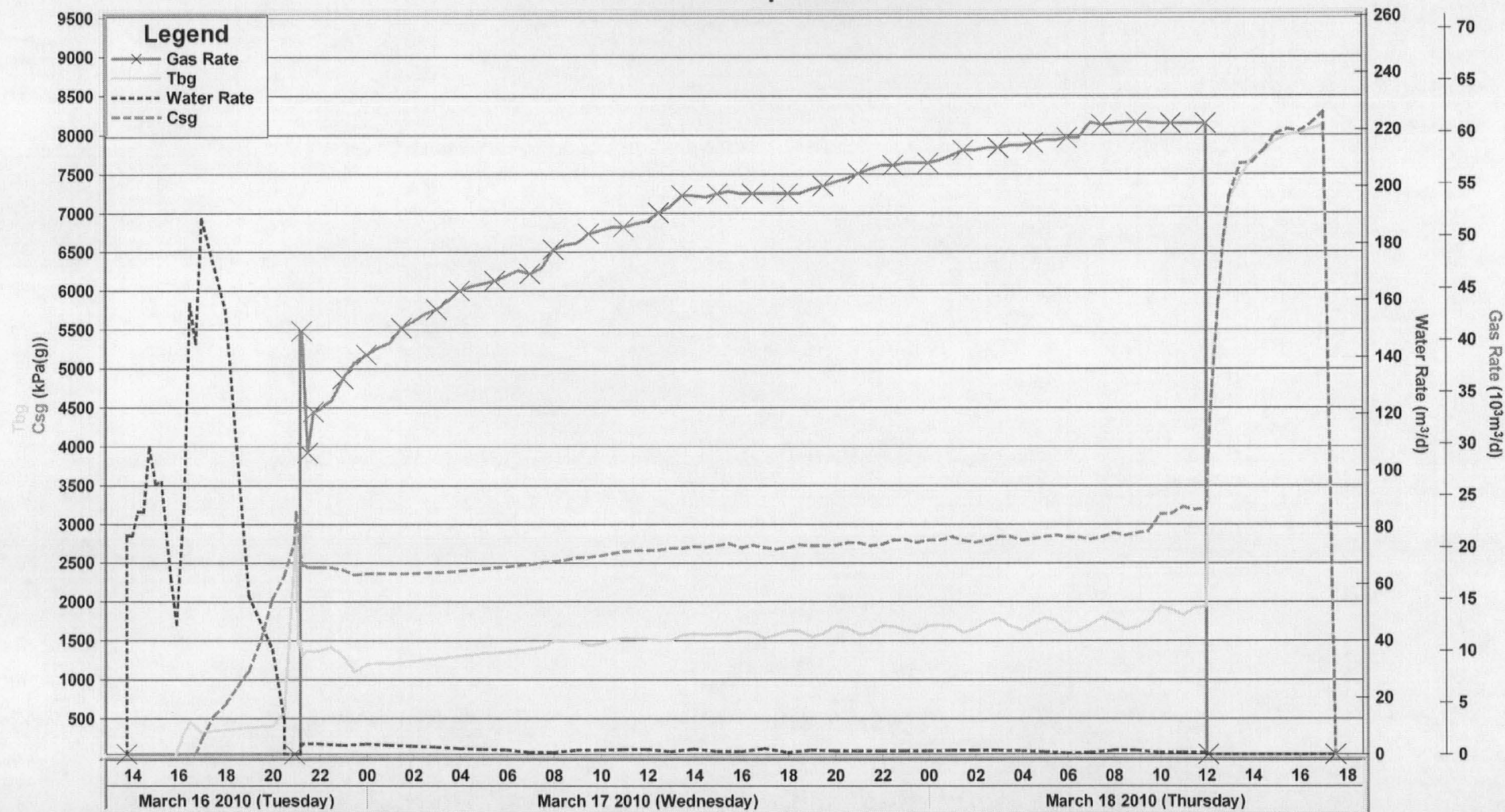
REMARKS

An ERCB PAS-PRD (v. 4.00) file has been created, using the above mentioned information. Unable to receive Gas Analysis from samples obtained on March 18, 2010.

Company: ARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-30
 Start DateTime: 2010/03/16 08:15
 End DateTime: 2010/03/18 17:30

Well / Lease Name: PARA et al CAMERON HILLS N-06
 Formation: SLAVE POINT
 Pool: 1283.0 - 1286.0 mKB
 Job Number: 1027

FIELD MEASUREMENTS Swab/Clean Up and Test



Company: PARAMOUNT RESOURCES LTD.
Unique Well ID: 60-10-117-30
Start DateTime: 2010/03/16 08:15
End DateTime: 2010/03/18 17:30

Well / Lease Name: PARA et al CAMERON HILLS N-06
Formation: SLAVE POINT
Pool: 1283.0 - 1286.0 mKB
Job Number: 1027

				Wellhead				Gas Orifice Meter						Recovered/Produced Fluid Volumes											
	Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	H2O Gain	Cum H2O	pH	Salinity	API
	YYYY/MM/DD	HH:mm:ss	h	kPa(g)	kPa(g)	°C	h	mm	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³		m	m	m ³	%	m ³	m ³	m ³	m ³		ppm	°API
1	2010/03/16	08:15:00	0.00	RIG OUT WIRELINE UNIT/ KILL WELL/ RUN IN HOLE WITH PRODUCTION STRING																					
2		11:00:00	2.75	TUBING ON DEPTH / RIG OUT B.O.P.S / INSTALL WELL HEAD / RIG IN TO SWAB TUBING																					
3		11:00:00	2.75	LOAD FLUID TO RECOVER = 31.75 m ³																					
4		13:45:00	5.50				0.00		0	0.0	0.0	0.000	0.0000				0.000		0.000	0.000	0.000	0.000			
5		14:00:00	5.75	-1	-1		0.25							1	246	802	0.802	100.0	0.000	0.000	0.802	0.802			
6		14:15:00	6.00	-1	-1		0.50							2	294	846	0.889		0.000	0.000	0.889	1.691			
7		14:30:00	6.25	-1	-1		0.75							3	294	846	0.890		0.000	0.000	0.890	2.581			
8		14:45:00	6.50	-1	-1		1.00							4	437	976	1.128		0.000	0.000	1.128	3.709			
9		15:00:00	6.75	-1	-1		1.25							5	483	1018	0.995		0.000	0.000	0.995	4.704			
10		15:17:00	7.03	2	-1		1.53							6	530	1061	1.132		0.000	0.000	1.132	5.836			
11		15:40:00	7.42	4	-1		1.92							7	622	1145	0.990		0.000	0.000	0.990	6.826			
12		15:55:00	7.67	45	-1		2.17							8	246	622	0.478		0.000	0.000	0.478	7.304			
13		15:55:00	7.67	**NOTE** WELL SLUGGING FLUID																					
14		15:57:00	7.70	**NOTE** TRACES OF BURNABLE GAS																					
15		16:00:00	7.75	140	-1		2.25																		
16		16:05:00	7.83	178	-1		2.33																		
17		16:10:00	7.92	275	-1		2.42																		
18		16:15:00	8.00	324	-1		2.50										1.215		0.000	0.000	1.215	8.519			
19		16:30:00	8.25	454	-1		2.75										1.655		0.000	0.000	1.655	10.174			
20		16:45:00	8.50	384	48		3.00										1.509		0.000	0.000	1.509	11.683			
21		17:00:00	8.75	310	239	21.0	3.25										1.966		0.000	0.000	1.966	13.649	6	28000	
22		17:30:00	9.25	342	529	22.0	3.75																		
23		18:00:00	9.75	350	691	20.0	4.25										6.525		0.000	0.000	6.525	20.174	6	34000	
24		18:00:00	9.75	**NOTE** H ₂ S SAMPLE TAKEN WITH RAE. = 7000 ppm (0.7%)																					
25		18:30:00	10.25	362	906	20.0	4.75																		
26		19:00:00	10.75	380	1116	18.0	5.25										2.324		0.000	0.000	2.324	22.498	6	34000	
27		19:30:00	11.25	386	1513	16.0	5.75																		
28		20:00:00	11.75	399	2041	16.0	6.25										1.538		0.000	0.000	1.538	24.036	6	40000	
29		20:30:00	12.25	565	2333	15.0	6.75										0.253		0.000	0.000	0.253	24.289			
30		20:50:00	12.58	SHUT IN TUBING / RIG OUT SWAB EQUIPMENT																					
31		20:55:00	12.67		2755		6.75		0	0.0	0.0	0.000	0.0000				0.000		0.000	0.000	0.000	24.289			
32		21:00:00	12.75	2875	3155		6.75																		
33		21:00:00	12.75	OPEN TUBING TO FLOW ON 38.1 mm (GUT LINE)																					

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-30
 Start Date/Time: 2010/03/16 08:15
 End Date/Time: 2010/03/18 17:30

Well / Lease Name: PARA et al CAMERON HILLS N-06
 Formation: SLAVE POINT
 Pool: 1283.0 - 1286.0 mKB
 Job Number: 1027

				Wellhead				Gas Orifice Meter						Recovered/Produced Fluid Volumes												
	Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	H2O Gain	Cum H2O	pH	Salinity	API	
	YYYY/MM/DD	HH:mm:ss	h	kPa(g)	kPa(g)	°C	h	mm	kPa(g)	kPa	°C	10³m³/d	10³m³		m	m	m³	%	m³	m³	m³	m³		ppm	°API	
34	2010/03/16	21:05:00	12.83	1450	2983	15.0	6.75	0.00										100.0								
35		21:10:00	12.92	1493	2650	15.0	6.75		0	0.0	0.0	0.000	0.0000				0.000		0.000	0.000	0.000	24.289				
36		21:10:00	12.92	METER IN SERVICE ON 1.375" (34.93 mm) ORIFICE PLATE																						
37		21:15:00	13.00	1311	2480	15.0	6.83	34.93	1200	19.4	8.0	40.857	0.1419													
38		21:30:00	13.25	1375	2450	13.0	7.08		1255	9.5	8.0	29.106	0.5063													
39		21:45:00	13.50	1358	2442	10.0	7.33		1255	12.2	8.0	33.062	0.8300													
40		22:00:00	13.75	1375	2441	10.0	7.58		1248	12.4	8.0	33.310	1.1757				0.126		0.000	0.000	0.126	24.415				
41		22:00:00	13.75	**NOTE** UNABLE TO OBTAIN SAMPLES																						
42		22:30:00	14.25	1415	2444	8.0	8.08		1289	12.7	8.0	34.178	1.8787													
43		22:30:00	14.25	DECREASE BACK PRESSURE																						
44		23:00:00	14.75	1300	2412	8.0	8.58		1179	15.4	6.0	36.250	2.6123				0.127		0.000	0.000	0.127	24.542				
45		23:00:00	14.75	DECREASE BACK PRESSURE																						
46		23:30:00	15.25	1096	2352	8.0	9.08		931	20.9	5.0	37.834	3.3841													
47		23:30:00	15.25	SWITCH TO ADJUSTABLE CHOKE 38/64" (15.08 mm)																						
48	2010/03/17	00:00:00	15.75	1195	2359	7.0	9.58		538	34.8	2.0	38.561	4.1798				0.152		0.000	0.000	0.152	24.694				
49		00:20:00	16.08	INCREASE CHOKE TO 40/64" (15.88 mm) BEAN CHOKE																						
50		00:30:00	16.25	1211	2369	7.0	10.08		552	35.3	2.0	39.264	4.9905													
51		01:00:00	16.75	1205	2359	7.0	10.58		552	36.1	2.0	39.685	5.8129				0.126		0.000	0.000	0.126	24.820				
52		01:30:00	17.25	1224	2360	7.0	11.08		586	36.8	2.0	41.161	6.6550													
53		01:30:00	17.25	DECREASE BACK PRESSURE																						
54		01:50:00	17.58	INCREASE ORIFICE PLATE TO 1.625" (41.28 mm)																						
55		02:00:00	17.75	1237	2365	7.0	11.58	41.28	538	20.7	2.0	41.766	7.5189				0.114		0.000	0.000	0.114	24.934				
56		02:30:00	18.25	1256	2372	7.0	12.08		552	20.9	2.0	42.480	8.3964													
57		03:00:00	18.75	1270	2381	7.0	12.58		558	21.2	2.0	42.965	9.2865				0.101		0.000	0.000	0.101	25.035				
58		03:30:00	19.25	1286	2386	7.0	13.08		565	21.6	1.0	43.790	10.1902													
59		04:00:00	19.75	1306	2401	7.0	13.58		586	21.9	1.0	44.738	11.1124				0.083		0.000	0.000	0.083	25.118				
60		04:30:00	20.25	1317	2411	7.0	14.08		593	22.1	1.0	45.225	12.0495													
61		05:00:00	20.75	1342	2428	7.0	14.58		600	22.1	1.0	45.454	12.9940				0.067		0.000	0.000	0.067	25.185				
62		05:30:00	21.25	1350	2444	7.0	15.08		600	22.4	1.0	45.711	13.9437													
63		06:00:00	21.75	1360	2452	7.0	15.58		600	22.9	1.0	46.222	14.9013				0.059		0.000	0.000	0.059	25.244				
64		06:00:00	21.75	**NOTE** UNABLE TO OBTAIN SAMPLES																						
65		06:30:00	22.25	1379	2470	7.0	16.08		614	22.9	1.0	46.704	15.8693													
66		07:00:00	22.75	1389	2484	7.0	16.58		524	25.9	1.0	46.409	16.8392				0.025		0.000	0.000	0.025	25.269				

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-30
 Start Date/Time: 2010/03/16 08:15
 End Date/Time: 2010/03/18 17:30

Well / Lease Name: PARA et al CAMERON HILLS N-06
 Formation: SLAVE POINT
 Pool: 1283.0 - 1286.0 mKB
 Job Number: 1027

				Wellhead				Gas Orifice Meter									Recovered/Produced Fluid Volumes										
	Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	H2O Gain	Cum H2O	pH	Salinity	API		
	YYYY/MM/DD	HH:mm:ss	h	kPa(g)	kPa(g)	°C	h	mm	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³		m	m	m ³	%	m ³	m ³	m ³	m ³		ppm	°API		
67	2010/03/17	07:30:00	23.25	1409	2504	7.0	17.08	41.28	538	25.9	1.0	46.936	17.8116					100.0									
68		08:00:00	23.75	1492	2523	7.0	17.58		945	16.9	1.0	48.748	18.8083				0.027		0.000	0.000	0.027	25.296					
69		08:30:00	24.25	1493	2540	7.0	18.08		945	17.2	1.0	49.181	19.8284														
70		09:00:00	24.75	1503	2568	7.0	18.58		951	17.2	1.0	49.327	20.8545				0.056		0.000	0.000	0.056	25.352					
71		09:30:00	25.25	1441	2578	6.0	19.08		724	22.9	1.0	50.259	21.8919														
72		10:00:00	25.75	1466	2592	6.0	19.58		724	23.2	1.0	50.590	22.9424				0.061		0.000	0.000	0.061	25.413					
73		10:30:00	26.25	1504	2623	6.0	20.08		724	23.4	0.0	50.911	23.9997														
74		11:00:00	26.75	1531	2650	6.0	20.58		724	23.4	0.0	50.911	25.0603				0.065		0.000	0.000	0.065	25.478					
75		11:30:00	27.25	1528	2659	6.0	21.08		669	25.4	0.0	51.220	26.1242														
76		12:00:00	27.75	1516	2663	6.0	21.58		676	25.4	0.0	51.458	27.1938				0.069		0.000	0.000	0.069	25.547					
77		12:30:00	28.25	1500	2666	6.0	22.08		710	25.1	0.0	52.285	28.2744														
78		13:00:00	28.75	1509	2690	7.0	22.58		724	25.1	-1.0	52.852	29.3696				0.036		0.000	0.000	0.036	25.583					
79		13:30:00	29.25	1573	2694	7.0	23.08		724	26.1	-1.0	53.906	30.4817														
80		14:00:00	29.75	1590	2710	7.0	23.58		724	26.1	-1.0	53.906	31.6047				0.074		0.000	0.000	0.074	25.657					
81		14:00:00	29.75	**NOTE** H ₂ S SAMPLE TAKEN WITH RAE. = 1.1%																							
82		14:30:00	30.25	1577	2705	7.0	24.08		724	26.1	0.0	53.799	32.7266														
83		15:00:00	30.75	1590	2728	7.0	24.58		724	26.4	0.0	54.110	33.8507				0.038		0.000	0.000	0.038	25.695					
84		15:30:00	31.25	1588	2748	7.0	25.08		724	26.6	0.0	54.317	34.9801														
85		16:00:00	31.75	1616	2695	7.0	25.58		724	26.4	0.0	54.110	36.1096				0.038		0.000	0.000	0.038	25.733					
86		16:30:00	32.25	1606	2730	6.0	26.08		724	26.4	0.0	54.110	37.2369														
87		17:00:00	32.75	1529	2700	6.0	26.58		724	26.4	0.0	54.110	38.3642				0.080		0.000	0.000	0.080	25.813					
88		17:30:00	33.25	1580	2678	6.0	27.08		724	26.4	0.0	54.110	39.4915														
89		18:00:00	33.75	1631	2696	6.0	27.58		724	26.4	0.0	54.110	40.6188				0.021		0.000	0.000	0.021	25.834					
90		18:30:00	34.25	1623	2737	6.0	28.08		724	26.4	0.0	54.110	41.7461														
91		19:00:00	34.75	1548	2721	6.0	28.58		731	26.6	0.0	54.575	42.8782				0.062		0.000	0.000	0.062	25.896					
92		19:30:00	35.25	1593	2722	6.0	29.08		731	26.9	0.0	54.832	44.0179														
93		20:00:00	35.75	1687	2726	5.0	29.58		738	27.0	0.0	55.194	45.1640				0.043		0.000	0.000	0.043	25.939					
94		20:30:00	36.25	1665	2760	5.0	30.08		741	27.2	0.0	55.516	46.3172														
95		21:00:00	36.75	1588	2758	5.0	30.58		745	27.6	0.0	56.017	47.4790				0.043		0.000	0.000	0.043	25.982					
96		21:30:00	37.25	1599	2723	5.0	31.08		748	27.9	0.0	56.441	48.6504														
97		22:00:00	37.75	1689	2743	5.0	31.58		752	28.1	0.0	56.813	49.8302				0.044		0.000	0.000	0.044	26.026					
98		22:30:00	38.25	1681	2794	5.0	32.08		752	28.1	0.0	56.813	51.0138														
99		23:00:00	38.75	1633	2799	5.0	32.58		758	28.1	0.0	57.049	52.1998				0.044		0.000	0.000	0.044	26.070					

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-30
 Start Date/Time: 2010/03/16 08:15
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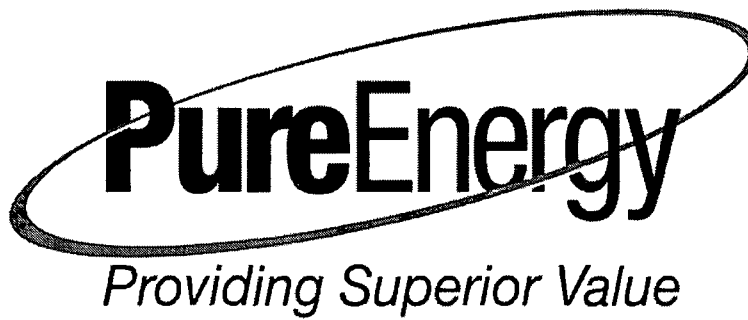
Well / Lease Name: PARA et al CAMERON HILLS N-06
 Formation: SLAVE POINT
 Pool: 1283.0 - 1286.0 mKB
 Job Number: 1027

				Wellhead				Gas Orifice Meter									Recovered/Produced Fluid Volumes											
	Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	H2O Gain	Cum H2O	pH	Salinity	API			
	YYYY/MM/DD	HH:mm:ss	h	kPa(g)	kPa(g)	°C	h	mm	kPa(g)	kPa	°C	10³m³/d	10³m³		m	m	m³	%	m³	m³	m³	m³		ppm	°API			
100	2010/03/17	23:30:00	39.25	1608	2762	5.0	33.08	41.28	758	28.1	0.0	57.049	53.3884					100.0										
101	2010/03/18	00:00:00	39.75	1694	2794	5.0	33.58		758	28.1	0.0	57.049	54.5769				0.047		0.000	0.000	0.047	26.117						
102		00:30:00	40.25	1704	2796	5.0	34.08		765	28.1	0.0	57.283	55.7678															
103		01:00:00	40.75	1688	2838	5.0	34.58		772	28.4	0.0	57.774	56.9663				0.052		0.000	0.000	0.052	26.169						
104		01:30:00	41.25	1602	2791	5.0	35.08		779	28.6	0.0	58.264	58.1751															
105		02:00:00	41.75	1662	2762	5.0	35.58		779	28.6	0.0	58.264	59.3889				0.052		0.000	0.000	0.052	26.221						
106		02:30:00	42.25	1747	2797	5.0	36.08		786	28.6	0.0	58.498	60.6052															
107		03:00:00	42.75	1792	2840	5.0	36.58		786	28.6	0.0	58.498	61.8239				0.053		0.000	0.000	0.053	26.274						
108		03:30:00	43.25	1687	2840	5.0	37.08		793	28.6	0.0	58.731	63.0450															
109		04:00:00	43.75	1641	2798	5.0	37.58		793	28.6	0.0	58.731	64.2686				0.044		0.000	0.000	0.044	26.318						
110		04:30:00	44.25	1735	2812	5.0	38.08		800	28.6	0.0	58.964	65.4946															
111		05:00:00	44.75	1799	2840	5.0	38.58		800	28.9	0.0	59.222	66.7257				0.030		0.000	0.000	0.030	26.348						
112		05:30:00	45.25	1755	2857	5.0	39.08		800	28.9	0.0	59.222	67.9595															
113		06:00:00	45.75	1622	2836	5.0	39.58		800	29.1	0.0	59.480	69.1960				0.010		0.000	0.000	0.010	26.358						
114		06:30:00	46.25	1636	2830	6.0	40.08		800	29.1	0.0	59.472	70.4351															
115		07:00:00	46.75	1715	2808	6.0	40.58		806	30.3	0.0	60.907	71.6890				0.024		0.000	0.000	0.024	26.382						
116		07:30:00	47.25	1806	2836	6.0	41.08		800	30.3	0.0	60.700	72.9558															
117		08:00:00	47.75	1745	2888	6.0	41.58		800	30.3	-1.0	60.822	74.2216				0.054		0.000	0.000	0.054	26.436						
118		08:30:00	48.25	1647	2856	6.0	42.08		800	30.3	-2.0	60.945	75.4900															
119		09:00:00	48.75	1680	2889	6.0	42.58		800	30.3	-2.0	60.945	76.7597				0.055		0.000	0.000	0.055	26.491						
120		09:30:00	49.25	1756	2910	6.0	43.08		800	30.3	-2.0	60.945	78.0294															
121		10:00:00	49.75	1933	3132	6.0	43.58		800	30.3	-1.0	60.822	79.2978				0.027		0.000	0.000	0.027	26.518						
122		10:30:00	50.25	1905	3137	7.0	44.08		800	30.3	-1.0	60.822	80.5650															
123		11:00:00	50.75	1830	3224	7.0	44.58		800	30.3	-1.0	60.822	81.8321				0.027		0.000	0.000	0.027	26.545						
124		11:00:00	50.75	**NOTE** 2-HIGH PRESSURE GAS SAMPLES TAKEN / SERIAL #07000225 & #08000288																								
125		11:00:00	50.75	**NOTE** 2 - STOCK WATER SAMPLES TAKEN																								
126		11:30:00	51.25	1921	3187	8.0	45.08		800	30.3	-1.0	60.822	83.0992															
127		12:00:00	51.75	1939	3204	8.0	45.58		800	30.3	-1.0	60.822	84.3664				0.024		0.000	0.000	0.024	26.569						
128		12:00:00	51.75	SHUT IN TUBING / MONITOR PRESSURES																								
129		12:05:00	51.83	3783	3876		45.58	0.00	0	0.0	0.0	0.000	84.3664				0.000		0.000	0.000	0.000	26.569						
130		12:10:00	51.92	4286	4346																							
131		12:15:00	52.00	4720	4771																							
132		12:30:00	52.25	5805	5847																							

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-30
 Start DateTime: 2010/03/16 08:15
 End DateTime: 2010/03/18 17:30

Well / Lease Name: PARA et al CAMERON HILLS N-06
 Formation: SLAVE POINT
 Pool: 1283.0 - 1286.0 mKB
 Job Number: 1027

				Wellhead				Gas Orifice Meter									Recovered/Produced Fluid Volumes									
	Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	H2O Gain	Cum H2O	pH	Salinity	API	
	YYYY/MM/DD	HH:mm:ss	h	kPa(g)	kPa(g)	°C	h	mm	kPa(g)	kPa	°C	10³m³/d	10³m³		m	m	m³	%	m³	m³	m³	m³		ppm	°API	
133	2010/03/18	12:45:00	52.50	6602	6699			0.00										100.0								
134		13:00:00	52.75	7175	7218																					
135		13:30:00	53.25	7459	7633																					
136		14:00:00	53.75	7700	7654																					
137		14:30:00	54.25	7796	7804																					
138		15:00:00	54.75	7920	8017																					
139		15:30:00	55.25	8000	8072																					
140		16:00:00	55.75	8020	8046																					
141		16:30:00	56.25	8073	8138																					
142		17:00:00	56.75	8123	8286																					
143				END OF BUILDUPS																						
144				SHUT IN MASTER VALVE, SECURE WELL AND RIG OUT TEST EQUIPMENT																						
145	2010/03/18	17:30:00	57.25	0	0	0.0	45.58		0	0.0	0.0	0.000	84.3664				0.000		0.000	0.000	0.000	26.569				



Company Name	PARAMOUNT RESOURCES LTD.
Well Name	PARA et al CAMERON N-06
Unique Well ID	300 N06 60 10 117 30 2
Formation	SLAVE POINT
Well License Number	WID 2067
Test Type	Flow and Buildup
Start Test Date	2010/03/14
Final Test Date	2010/03/28

Prepared By	Cory Strang
Report Date	2010/03/30



Pure Energy Services Ltd.
10th Floor, 333 - 11th Avenue SW, Calgary, Alberta T2R 1L9
Phone: 403-262-4000 Fax: 403-237-9731
www.pure-energy.ca

Well Information

Company Name PARAMOUNT RESOURCES LTD.

Well Name PARA et al CAMERON N-06

Contact DICK HEENAN

Surface Location 300 N06 60 10 117 30 2

Unique Well ID 300 N06 60 10 117 30 2

Well Type Vertical

Well Fluid Type 02 Gas

H2S Indicator No

KB Elevation (SL) 717.80 m

GL Elevation (SL) 713.20 m

CF Elevation (SL) 713.20 m

KB-GL Offset 4.60 m

KB-CF Offset 4.60 m

Formation SLAVE POINT

Top(Log KB) 1283.00 m Bottom(Log KB) 1286.00 m

Top(TVD KB) 1283.00 m Bottom(TVD KB) 1286.00 m

Test Information

Test Type Flow and Buildup

Test Purpose Initial Test

Start Test Date 2010/03/14 21:21:00

Final Test Date 2010/03/28 22:19:25

Date Well Shut-In 2010/03/18 12:00:00

Tubing OD 60.3 mm

Tubing ID 50.8 mm

Tubing Depth(Log KB) 1280.96000 m

Tubing Depth(TVD KB) 1280.96000 m

Tubing Pressure: Initial 93.00 kPa(a)

Tubing Pressure: Final 8562.00 kPa(a)

Casing OD 139.7 mm

Casing ID 125.7 mm

Casing Depth(Log KB) 1449.00000 m

Casing Depth(TVD KB) 1449.00000 m

Packer Depth(Log KB) m

Packer Depth(TVD KB) m

PBTD(Log KB) 1434.00 m

PBTD(TVD KB) 1434.00 m

Casing Pressure: Initial 93.00 kPa(a)

Casing Pressure: Final 8582.00 kPa(a)

Representative Steve Wiernga

Prepared By Cory Strang

Qualified By Loyed Vogel

Report Date 2010/03/30

Test Results

Gauge Serial Number 77533

Run Depth (Log KB) 1279.60 m

Run Depth (TVD KB) 1279.60 m

Pressure at Stop Depth 9533.06 kPa(a)

MPP Depth 1284.50 m

Representative Pressure at MPP 9536.58 kPa(a)

Reservoir Temperature 54.35 °C

Remarks Recorders intalled in tubing at surface & conveyed into well via Service Rig.
Bottom gauge malfunctioned during test

Recorder

Company Name	PARAMOUNT RESOURCES LTD.	Well Name	PARA et al CAMERON N-06
Unique Well ID	300 N06 60 10 117 30 2	Formation	SLAVE POINT
Start Test Date	2010/03/14		
Final Test Date	2010/03/28		

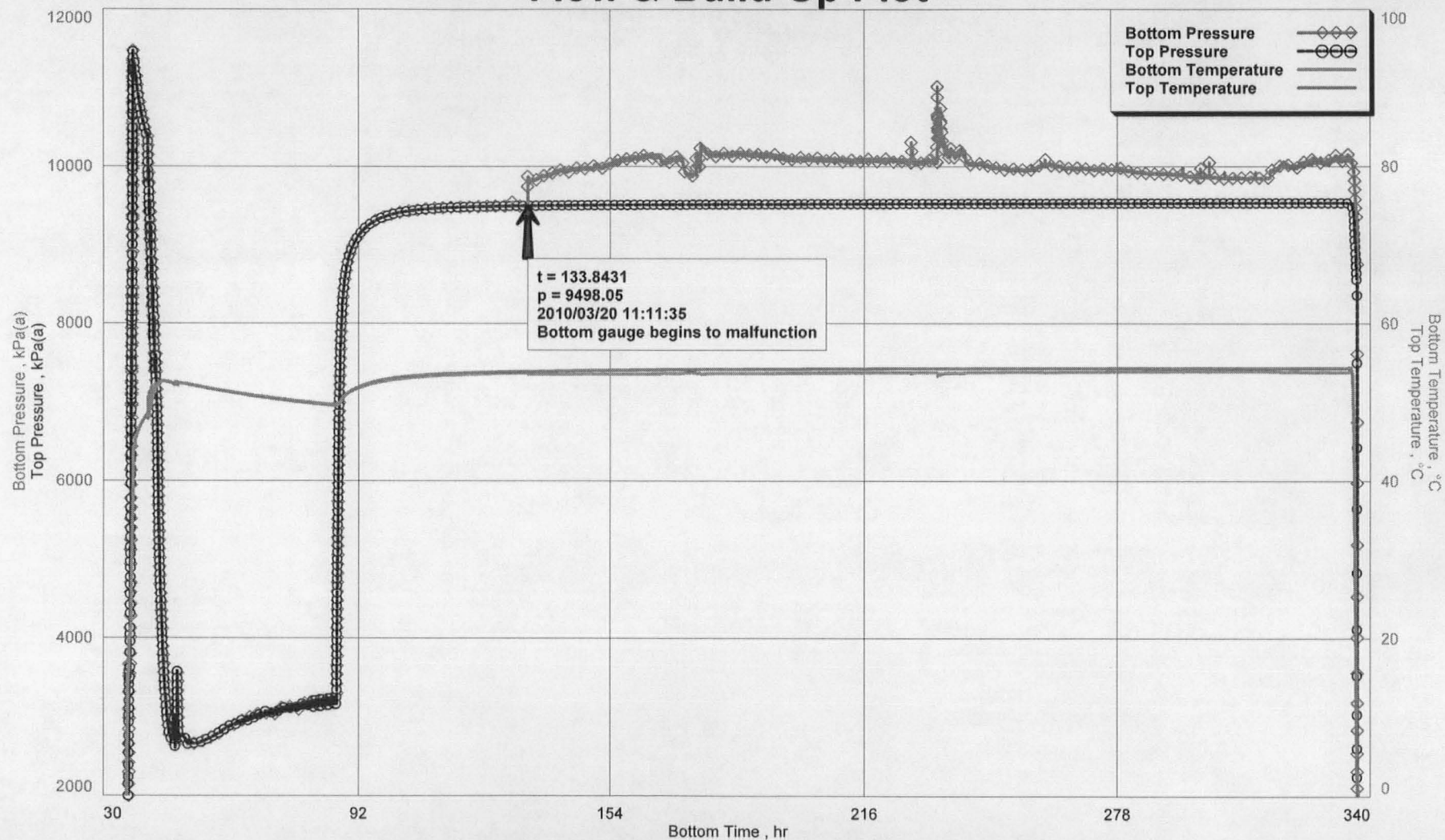
Gauge Name	Bottom	Gauge Type	Strain
Gauge Serial Number	77533	Gauge Manufacturer	Spartek Systems
Run Depth (TVD KB)	1279.60 m	Gauge Model	SS2552
Date of Last Calibration	2009/07/01	Maximum Recorder Range	41368.00 kPa
Gauge Start Date	2010/03/14	Gauge Start Time	21:21:00
Gauge Stop Date	2010/03/28	Gauge Stop Time	22:20:41
Date Gauge On Bottom	2010/03/14	Time Gauge On Bottom	10:29:30
Date Gauge Off Bottom	2010/03/28	Time Gauge Off Bottom	20:39:45

Gauge Name	Top	Gauge Type	Strain
Gauge Serial Number	77532	Gauge Manufacturer	Spartek Systems
Run Depth (TVD KB)	1279.35 m	Gauge Model	SS2552
Date of Last Calibration	2009/07/01	Maximum Recorder Range	41368.00 kPa
Gauge Start Date	2010/03/14	Gauge Start Time	21:24:45
Gauge Stop Date	2010/03/28	Gauge Stop Time	22:19:25
Date Gauge On Bottom	2010/03/14	Time Gauge On Bottom	10:29:30
Date Gauge Off Bottom	2010/03/28	Time Gauge Off Bottom	20:39:45

PARAMOUNT RESOURCES LTD.
300 N06 60 10 117 30 2
Start Test Date: 2010/03/14
Final Test Date: 2010/03/28

PARA et al CAMERON N-06
Formation: SLAVE POINT

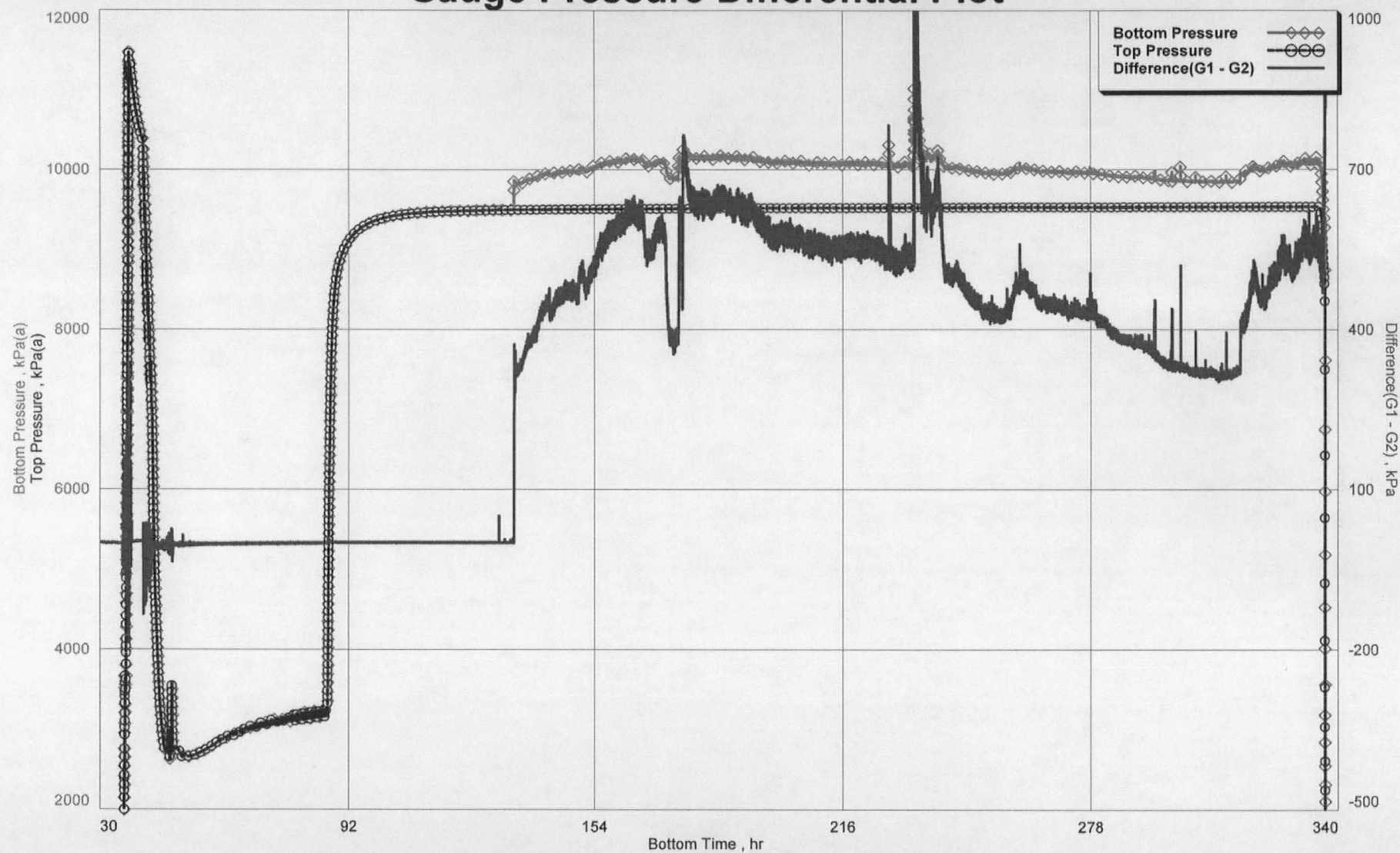
Flow & Build-Up Plot



PARAMOUNT RESOURCES LTD.
300 N06 60 10 117 30 2
Start Test Date: 2010/03/14
Final Test Date: 2010/03/28

PARA et al CAMERON N-06
Formation: SLAVE POINT

Gauge Pressure Differential Plot



Company Name PARAMOUNT RESOURCES LTD.
 Unique Well ID 300 N06 60 10 117 30 2
 Start Test Date 2010/03/14
 Final Test Date 2010/03/28

PARA et al CAMERON N-06
 SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
1	2010/03/14 21:21:00	0.0000	97.60	13.99		0.0000	93.27	13.92
2	2010/03/14 22:15:10	0.9028	97.09	13.24	4.45	0.9028	92.81	13.76
3	2010/03/14 23:09:20	1.8056	96.88	11.97	4.00	1.8056	92.44	12.73
4	2010/03/15 00:03:30	2.7083	97.14	8.73	4.11	2.7083	92.75	9.44
5	2010/03/15 00:57:40	3.6111	97.35	6.27	4.53	3.6111	93.09	6.85
6	2010/03/15 01:51:50	4.5139	97.59	4.89	3.86	4.5139	93.47	5.26
7	2010/03/15 02:46:00	5.4167	97.62	3.72	3.60	5.4167	94.10	3.97
8	2010/03/15 03:40:10	6.3194	97.40	2.99	2.99	6.3194	94.22	3.16
9	2010/03/15 04:34:20	7.2222	96.96	2.52	2.50	7.2222	93.95	2.76
10	2010/03/15 05:28:30	8.1250	97.73	3.59	3.58	8.1250	94.05	3.22
11	2010/03/15 06:22:40	9.0278	92.41	0.57	2.82	9.0278	89.50	1.24
12	2010/03/15 07:16:50	9.9306	92.61	0.14	2.29	9.9306	90.49	0.65
13	2010/03/15 08:11:00	10.8333	92.36	-0.28	1.81	10.8333	90.70	0.10
14	2010/03/15 09:05:10	11.7361	92.65	-0.41	1.80	11.7361	90.64	-0.11
15	2010/03/15 09:59:20	12.6389	92.55	-0.00	1.80	12.6389	90.75	0.11
16	2010/03/15 10:53:30	13.5417	93.30	1.30	2.98	13.5417	90.12	1.38
17	2010/03/15 11:47:40	14.4444	93.52	3.36	4.11	14.4444	89.75	3.40
18	2010/03/15 12:41:50	15.3472	93.10	5.17	4.53	15.3472	88.72	5.58
19	2010/03/15 13:36:00	16.2500	93.40	6.66	4.79	16.2500	88.52	7.49
20	2010/03/15 14:30:10	17.1528	93.43	7.67	5.16	17.1528	87.94	8.74
21	2010/03/15 15:24:20	18.0556	93.32	9.08	4.79	18.0556	88.82	9.67
22	2010/03/15 16:18:30	18.9583	92.92	10.91	4.74	18.9583	88.10	10.82
23	2010/03/15 17:12:40	19.8611	92.90	10.65	4.47	19.8611	88.12	11.04
24	2010/03/15 18:06:50	20.7639	93.34	10.74	5.24	20.7639	88.42	11.11
25	2010/03/15 19:01:00	21.6667	92.53	9.43	4.75	21.6667	87.77	10.18
26	2010/03/15 19:55:10	22.5694	92.99	6.81	5.36	22.5694	88.04	7.83
27	2010/03/15 20:49:20	23.4722	92.75	3.51	4.33	23.4722	88.72	4.72
28	2010/03/15 21:43:30	24.3750	92.98	2.78	3.98	24.3750	89.22	3.40
29	2010/03/15 22:37:40	25.2778	92.49	2.25	2.84	25.2778	89.54	2.64
30	2010/03/15 23:31:50	26.1806	92.98	1.12	3.25	26.1806	89.80	1.59
31	2010/03/16 00:26:00	27.0833	92.66	-0.38	1.88	27.0833	90.72	0.21
32	2010/03/16 01:20:10	27.9861	92.92	-1.19	2.31	27.9861	90.94	-0.69
33	2010/03/16 02:14:20	28.8889	92.53	-1.50	1.49	28.8889	91.33	-1.18
34	2010/03/16 03:08:30	29.7917	92.18	-1.78	0.76	29.7917	91.73	-1.55
35	2010/03/16 04:02:40	30.6944	92.34	-2.50	0.35	30.6944	91.84	-2.22
36	2010/03/16 04:56:50	31.5972	91.87	-3.55	-0.88	31.5972	92.76	-3.21
37	2010/03/16 05:51:00	32.5000	95.61	-3.98	-0.22	32.5000	96.43	-3.71
38	2010/03/16 06:45:10	33.4028	95.29	-2.96	0.24	33.4028	94.78	-2.78
39	2010/03/16 07:39:20	34.3056	95.33	-3.64	-0.60	34.3056	96.66	-3.63
40	2010/03/16 08:33:30	35.2083	97.98	-4.95	-1.33	35.2083	99.43	-4.58
41	2010/03/16 09:27:40	36.1111	3257.31	19.40	114.06	36.1111	3603.73	20.31
42	2010/03/16 10:21:50	37.0139	10377.06	38.36	-44.24	37.0139	10855.54	40.93
43	2010/03/16 10:29:25	37.1403	11412.31	43.97	24.06	37.1403	11351.15	44.21
44	2010/03/16 10:29:30	37.1417	11410.16	44.02	4.15	37.1417	11350.16	44.20
45	Recorders set @ 1279.6 mKB							

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
46	2010/03/16 10:29:35	37.1431	11408.84	44.07	-9.64	37.1431	11348.65	44.20
47	2010/03/16 11:16:00	37.9167	11092.21	45.83	1.73	37.9167	11060.87	45.86
48	2010/03/16 12:10:10	38.8194	10745.68	46.98	2.17	38.8194	10724.37	47.01
49	2010/03/16 13:04:20	39.7222	10516.25	47.87	3.01	39.7222	10499.94	47.89
50	2010/03/16 13:58:30	40.6250	10416.86	47.84	4.75	40.6250	9766.85	48.98
51	2010/03/16 13:58:55	40.6319	10378.63	47.85	-29.77	40.6319	9758.72	49.25
52	2010/03/16 13:59:00	40.6333	10372.62	47.87	-27.76	40.6333	9759.11	49.33
53	Well opened to flow							
54	2010/03/16 13:59:05	40.6347	10377.43	47.90	-24.49	40.6347	9759.48	49.44
55	2010/03/16 14:52:40	41.5278	8772.42	50.02	9.65	41.5278	8642.55	50.75
56	2010/03/16 15:46:50	42.4306	7481.28	52.19	3.84	42.4306	7554.14	52.06
57	2010/03/16 16:41:00	43.3333	5170.40	52.41	-9.41	43.3333	5055.06	52.48
58	2010/03/16 17:35:10	44.2361	3824.25	52.61	-7.30	44.2361	3758.05	52.67
59	2010/03/16 18:29:20	45.1389	3066.98	52.55	-6.61	45.1389	3033.79	52.61
60	2010/03/16 19:23:30	46.0417	2756.21	52.44	0.86	46.0417	2761.19	52.51
61	2010/03/16 20:17:40	46.9444	2940.61	52.16	16.92	46.9444	3003.35	52.34
62	2010/03/16 21:11:50	47.8472	2921.62	52.21	-19.05	47.8472	2771.85	52.35
63	2010/03/16 22:06:00	48.7500	2757.12	52.34	-2.60	48.7500	2760.94	52.38
64	2010/03/16 23:00:10	49.6528	2723.21	52.27	-3.10	49.6528	2724.22	52.31
65	2010/03/16 23:54:20	50.5556	2671.21	52.18	-4.62	50.5556	2666.67	52.23
66	2010/03/17 00:48:30	51.4583	2665.37	52.09	-2.76	51.4583	2666.45	52.14
67	2010/03/17 01:42:40	52.3611	2665.67	52.00	-3.07	52.3611	2668.92	52.04
68	2010/03/17 02:36:50	53.2639	2679.22	51.91	-1.52	53.2639	2684.14	51.94
69	2010/03/17 03:31:00	54.1667	2697.61	51.81	-2.90	54.1667	2702.27	51.86
70	2010/03/17 04:25:10	55.0694	2720.01	51.72	-1.86	55.0694	2724.57	51.76
71	2010/03/17 05:19:20	55.9722	2744.29	51.64	-2.31	55.9722	2748.59	51.67
72	2010/03/17 06:13:30	56.8750	2770.55	51.55	-2.50	56.8750	2775.36	51.59
73	2010/03/17 07:07:40	57.7778	2798.41	51.46	-2.48	57.7778	2802.11	51.51
74	2010/03/17 08:01:50	58.6806	2835.09	51.37	-1.97	58.6806	2837.30	51.42
75	2010/03/17 08:56:00	59.5833	2868.23	51.30	-1.67	59.5833	2876.81	51.34
76	2010/03/17 09:50:10	60.4861	2885.43	51.24	-2.46	60.4861	2884.00	51.27
77	2010/03/17 10:44:20	61.3889	2911.53	51.14	-1.81	61.3889	2919.76	51.18
78	2010/03/17 11:38:30	62.2917	2917.59	51.09	-2.26	62.2917	2917.04	51.13
79	2010/03/17 12:32:40	63.1944	2952.03	50.98	-1.82	63.1944	2962.54	51.02
80	2010/03/17 13:26:50	64.0972	2953.55	50.95	-2.16	64.0972	2948.07	50.99
81	2010/03/17 14:21:00	65.0000	2972.09	50.87	-1.34	65.0000	2987.25	50.89
82	2010/03/17 15:15:10	65.9028	3008.41	50.75	-1.55	65.9028	3001.73	50.82
83	2010/03/17 16:09:20	66.8056	2988.02	50.76	-1.09	66.8056	2992.26	50.80
84	2010/03/17 17:03:30	67.7083	3038.39	50.62	-1.02	67.7083	3051.33	50.66
85	2010/03/17 17:57:40	68.6111	3045.71	50.58	-1.60	68.6111	3031.63	50.65
86	2010/03/17 18:51:50	69.5139	3023.40	50.57	-1.43	69.5139	3036.49	50.60
87	2010/03/17 19:46:00	70.4167	3089.56	50.42	-1.79	70.4167	3091.83	50.47
88	2010/03/17 20:40:10	71.3194	3059.85	50.41	-2.01	71.3194	3045.66	50.51
89	2010/03/17 21:34:20	72.2222	3072.62	50.36	-0.59	72.2222	3092.70	50.35
90	2010/03/17 22:28:30	73.1250	3120.84	50.26	-1.26	73.1250	3110.90	50.32

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
91	2010/03/17 23:22:40	74.0278	3068.98	50.30	-0.41	74.0278	3075.19	50.32
92	2010/03/18 00:16:50	74.9306	3135.13	50.13	-1.46	74.9306	3147.27	50.18
93	2010/03/18 01:11:00	75.8333	3120.76	50.12	-1.45	75.8333	3097.03	50.20
94	2010/03/18 02:05:10	76.7361	3112.01	50.08	-1.26	76.7361	3133.69	50.08
95	2010/03/18 02:59:20	77.6389	3174.81	49.98	-1.59	77.6389	3162.86	50.04
96	2010/03/18 03:53:30	78.5417	3108.86	50.03	0.62	78.5417	3118.25	50.05
97	2010/03/18 04:47:40	79.4444	3189.22	49.87	-0.56	79.4444	3199.98	49.92
98	2010/03/18 05:41:50	80.3472	3134.24	49.88	-1.46	80.3472	3121.92	49.98
99	2010/03/18 06:36:00	81.2500	3177.58	49.77	-0.43	81.2500	3201.96	49.83
100	2010/03/18 07:30:10	82.1528	3183.68	49.77	-1.49	82.1528	3152.13	49.83
101	2010/03/18 08:24:20	83.0556	3169.72	49.71	-0.26	83.0556	3192.08	49.73
102	2010/03/18 09:18:30	83.9583	3224.00	49.65	-1.42	83.9583	3197.82	49.71
103	2010/03/18 10:12:40	84.8611	3165.08	49.67	-0.20	84.8611	3185.57	49.65
104	2010/03/18 11:06:50	85.7639	3251.24	49.54	-1.45	85.7639	3232.88	49.61
105	2010/03/18 11:59:55	86.6486	3165.95	49.61	0.39	86.6486	3816.91	49.85
106	2010/03/18 12:00:00	86.6500	3168.31	49.61	2.35	86.6500	3829.84	49.85
107	Well shut in for Build-Up							
108	2010/03/18 12:00:05	86.6514	3177.30	49.61	6.18	86.6514	3842.94	49.86
109	2010/03/18 12:01:00	86.6667	3368.48	49.69	7.34	86.6667	3978.31	49.85
110	2010/03/18 12:55:10	87.5694	7633.08	50.01	1.75	87.5694	7740.55	50.11
111	2010/03/18 13:49:20	88.4722	8499.02	50.71	1.05	88.4722	8526.32	50.77
112	2010/03/18 14:43:30	89.3750	8787.51	51.12	1.02	89.3750	8799.85	51.17
113	2010/03/18 15:37:40	90.2778	8942.41	51.37	1.01	90.2778	8949.83	51.46
114	2010/03/18 16:31:50	91.1806	9044.72	51.59	0.80	91.1806	9050.06	51.71
115	2010/03/18 17:26:00	92.0833	9119.42	51.78	0.57	92.0833	9123.15	51.92
116	2010/03/18 18:20:10	92.9861	9176.66	51.94	0.10	92.9861	9179.52	52.11
117	2010/03/18 19:14:20	93.8889	9222.72	52.09	0.97	93.8889	9224.59	52.28
118	2010/03/18 20:08:30	94.7917	9259.42	52.23	0.78	94.7917	9261.25	52.42
119	2010/03/18 21:02:40	95.6944	9289.94	52.34	0.47	95.6944	9291.91	52.55
120	2010/03/18 21:56:50	96.5972	9315.63	52.45	0.26	96.5972	9316.72	52.67
121	2010/03/18 22:51:00	97.5000	9337.51	52.54	0.78	97.5000	9338.39	52.77
122	2010/03/18 23:45:10	98.4028	9355.90	52.64	0.72	98.4028	9356.80	52.86
123	2010/03/19 00:39:20	99.3056	9371.60	52.71	0.46	99.3056	9372.47	52.94
124	2010/03/19 01:33:30	100.2083	9385.35	52.78	0.72	100.2083	9385.68	53.01
125	2010/03/19 02:27:40	101.1111	9397.41	52.85	0.50	101.1111	9397.29	53.08
126	2010/03/19 03:21:50	102.0139	9407.71	52.91	0.58	102.0139	9407.23	53.14
127	2010/03/19 04:16:00	102.9167	9416.61	52.97	0.41	102.9167	9417.05	53.20
128	2010/03/19 05:10:10	103.8194	9424.75	53.02	0.90	103.8194	9424.55	53.24
129	2010/03/19 06:04:20	104.7222	9431.74	53.06	0.82	104.7222	9431.76	53.29
130	2010/03/19 06:58:30	105.6250	9437.82	53.10	0.34	105.6250	9437.70	53.33
131	2010/03/19 07:52:40	106.5278	9443.52	53.15	0.73	106.5278	9442.98	53.37
132	2010/03/19 08:46:50	107.4306	9448.32	53.19	1.02	107.4306	9447.82	53.41
133	2010/03/19 09:41:00	108.3333	9452.40	53.22	0.46	108.3333	9452.20	53.44
134	2010/03/19 10:35:10	109.2361	9455.97	53.25	0.40	109.2361	9455.93	53.47
135	2010/03/19 11:29:20	110.1389	9460.27	53.28	0.93	110.1389	9459.17	53.50

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
136	2010/03/19 12:23:30	111.0417	9462.87	53.31	0.41	111.0417	9462.85	53.53
137	2010/03/19 13:17:40	111.9444	9466.00	53.34	0.74	111.9444	9465.25	53.55
138	2010/03/19 14:11:50	112.8472	9468.54	53.36	0.81	112.8472	9467.85	53.57
139	2010/03/19 15:06:00	113.7500	9470.70	53.38	0.42	113.7500	9470.74	53.59
140	2010/03/19 16:00:10	114.6528	9472.62	53.40	0.52	114.6528	9472.40	53.61
141	2010/03/19 16:54:20	115.5556	9474.86	53.42	0.67	115.5556	9474.39	53.63
142	2010/03/19 17:48:30	116.4583	9476.66	53.44	0.44	116.4583	9476.03	53.65
143	2010/03/19 18:42:40	117.3611	9478.32	53.46	0.30	117.3611	9477.76	53.67
144	2010/03/19 19:36:50	118.2639	9479.41	53.47	0.17	118.2639	9478.97	53.68
145	2010/03/19 20:31:00	119.1667	9481.49	53.49	0.92	119.1667	9480.74	53.70
146	2010/03/19 21:25:10	120.0694	9482.47	53.50	0.43	120.0694	9482.43	53.72
147	2010/03/19 22:19:20	120.9722	9483.97	53.52	0.43	120.9722	9483.16	53.73
148	2010/03/19 23:13:30	121.8750	9485.00	53.54	0.65	121.8750	9484.63	53.74
149	2010/03/20 00:07:40	122.7778	9486.40	53.55	1.08	122.7778	9485.63	53.76
150	2010/03/20 01:01:50	123.6806	9487.41	53.57	0.88	123.6806	9486.76	53.77
151	2010/03/20 01:56:00	124.5833	9488.21	53.58	0.47	124.5833	9487.37	53.78
152	2010/03/20 02:50:10	125.4861	9489.03	53.59	0.32	125.4861	9488.93	53.80
153	2010/03/20 03:44:20	126.3889	9490.32	53.60	0.87	126.3889	9489.83	53.81
154	2010/03/20 04:38:30	127.2917	9490.87	53.61	0.54	127.2917	9490.23	53.82
155	2010/03/20 05:32:40	128.1944	9491.80	53.62	0.64	128.1944	9491.05	53.83
156	2010/03/20 06:26:50	129.0972	9492.59	53.63	0.61	129.0972	9492.06	53.84
157	2010/03/20 07:21:00	130.0000	9493.41	53.65	0.76	130.0000	9492.88	53.85
158	2010/03/20 08:15:10	130.9028	9494.10	53.66	0.48	130.9028	9493.39	53.86
159	2010/03/20 09:09:20	131.8056	9494.89	53.66	0.88	131.8056	9493.99	53.87
160	2010/03/20 10:03:30	132.7083	9495.66	53.67	0.62	132.7083	9495.05	53.88
161	2010/03/20 10:57:40	133.6111	9495.98	53.68	0.63	133.6111	9495.46	53.89
162	2010/03/20 11:11:30	133.8417	9496.66	53.69	1.05	133.8417	9495.83	53.89
163	2010/03/20 11:11:35	133.8431	9498.05	53.69	2.38	133.8431	9495.44	53.89
164	Bottom gauge begins to malfunction							
165	2010/03/20 11:11:40	133.8444	9509.20	53.68	13.94	133.8444	9495.32	53.89
166	2010/03/20 11:51:50	134.5139	9809.62	53.54	313.38	134.5139	9496.02	53.90
167	2010/03/20 12:46:00	135.4167	9833.10	53.54	336.40	135.4167	9496.47	53.90
168	2010/03/20 13:40:10	136.3194	9850.27	53.54	352.86	136.3194	9497.27	53.91
169	2010/03/20 14:34:20	137.2222	9876.05	53.53	378.15	137.2222	9498.13	53.92
170	2010/03/20 15:28:30	138.1250	9867.79	53.55	369.76	138.1250	9498.42	53.92
171	2010/03/20 16:22:40	139.0278	9894.69	53.54	395.53	139.0278	9498.95	53.93
172	2010/03/20 17:16:50	139.9306	9918.76	53.53	419.02	139.9306	9499.49	53.95
173	2010/03/20 18:11:00	140.8333	9934.78	53.53	435.01	140.8333	9499.81	53.95
174	2010/03/20 19:05:10	141.7361	9943.02	53.53	442.69	141.7361	9500.46	53.96
175	2010/03/20 19:59:20	142.6389	9959.09	53.53	458.26	142.6389	9500.67	53.96
176	2010/03/20 20:53:30	143.5417	9936.00	53.55	434.85	143.5417	9501.42	53.97
177	2010/03/20 21:47:40	144.4444	9954.26	53.55	452.55	144.4444	9502.02	53.97
178	2010/03/20 22:41:50	145.3472	9962.02	53.55	459.78	145.3472	9502.70	53.98
179	2010/03/20 23:36:00	146.2500	9968.07	53.55	465.73	146.2500	9502.97	53.99
180	2010/03/21 00:30:10	147.1528	9971.32	53.56	468.47	147.1528	9502.74	54.00

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
181	2010/03/21 01:24:20	148.0556	9981.36	53.56	477.66	148.0556	9503.72	54.00
182	2010/03/21 02:18:30	148.9583	9974.31	53.57	470.38	148.9583	9503.90	54.00
183	2010/03/21 03:12:40	149.8611	9972.98	53.57	468.53	149.8611	9504.27	54.01
184	2010/03/21 04:06:50	150.7639	10010.51	53.56	505.59	150.7639	9505.15	54.02
185	2010/03/21 05:01:00	151.6667	9993.87	53.57	488.43	151.6667	9504.84	54.02
186	2010/03/21 05:55:10	152.5694	10003.18	53.58	497.54	152.5694	9505.61	54.02
187	2010/03/21 06:49:20	153.4722	10014.33	53.58	509.07	153.4722	9505.39	54.03
188	2010/03/21 07:43:30	154.3750	10043.01	53.57	537.07	154.3750	9506.29	54.04
189	2010/03/21 08:37:40	155.2778	10072.49	53.56	565.82	155.2778	9506.59	54.04
190	2010/03/21 09:31:50	156.1806	10061.49	53.57	554.51	156.1806	9506.80	54.05
191	2010/03/21 10:26:00	157.0833	10085.84	53.56	578.59	157.0833	9507.48	54.06
192	2010/03/21 11:20:10	157.9861	10082.43	53.57	575.12	157.9861	9507.31	54.06
193	2010/03/21 12:14:20	158.8889	10096.72	53.57	588.45	158.8889	9507.53	54.07
194	2010/03/21 13:08:30	159.7917	10094.69	53.58	586.10	159.7917	9508.46	54.07
195	2010/03/21 14:02:40	160.6944	10124.84	53.56	616.52	160.6944	9508.45	54.08
196	2010/03/21 14:56:50	161.5972	10117.46	53.57	608.76	161.5972	9508.86	54.08
197	2010/03/21 15:51:00	162.5000	10131.83	53.57	622.68	162.5000	9509.77	54.09
198	2010/03/21 16:45:10	163.4028	10125.22	53.57	616.00	163.4028	9509.46	54.09
199	2010/03/21 17:39:20	164.3056	10129.23	53.57	619.85	164.3056	9509.65	54.09
200	2010/03/21 18:33:30	165.2083	10132.60	53.58	622.61	165.2083	9510.19	54.10
201	2010/03/21 19:27:40	166.1111	10112.76	53.59	602.20	166.1111	9510.29	54.10
202	2010/03/21 20:21:50	167.0139	10044.32	53.62	533.94	167.0139	9510.97	54.10
203	2010/03/21 21:16:00	167.9167	10056.13	53.62	545.22	167.9167	9510.75	54.10
204	2010/03/21 22:10:10	168.8194	10078.43	53.62	567.53	168.8194	9510.93	54.10
205	2010/03/21 23:04:20	169.7222	10101.02	53.61	589.91	169.7222	9511.01	54.11
206	2010/03/21 23:58:30	170.6250	10111.29	53.61	599.73	170.6250	9511.68	54.11
207	2010/03/22 00:52:40	171.5278	10084.02	53.62	572.18	171.5278	9511.94	54.11
208	2010/03/22 01:46:50	172.4306	9923.92	53.70	411.87	172.4306	9512.17	54.12
209	2010/03/22 02:41:00	173.3333	9890.76	53.72	378.17	173.3333	9512.86	54.12
210	2010/03/22 03:35:10	174.2361	9888.06	53.72	375.61	174.2361	9512.66	54.13
211	2010/03/22 04:29:20	175.1389	10119.95	53.61	607.05	175.1389	9512.66	54.13
212	2010/03/22 05:23:30	176.0417	10073.48	53.64	560.69	176.0417	9513.13	54.13
213	2010/03/22 06:17:40	176.9444	10214.53	53.58	701.03	176.9444	9513.18	54.13
214	2010/03/22 07:11:50	177.8472	10162.60	53.61	649.32	177.8472	9513.83	54.14
215	2010/03/22 08:06:00	178.7500	10170.08	53.60	656.29	178.7500	9513.68	54.14
216	2010/03/22 09:00:10	179.6528	10137.22	53.62	623.49	179.6528	9513.85	54.15
217	2010/03/22 09:54:20	180.5556	10152.53	53.62	638.18	180.5556	9514.55	54.15
218	2010/03/22 10:48:30	181.4583	10156.53	53.63	641.95	181.4583	9514.79	54.16
219	2010/03/22 11:42:40	182.3611	10149.36	53.64	634.50	182.3611	9514.56	54.16
220	2010/03/22 12:36:50	183.2639	10135.48	53.64	620.30	183.2639	9515.19	54.17
221	2010/03/22 13:31:00	184.1667	10154.03	53.64	638.81	184.1667	9514.96	54.17
222	2010/03/22 14:25:10	185.0694	10149.08	53.64	633.91	185.0694	9515.52	54.17
223	2010/03/22 15:19:20	185.9722	10147.87	53.64	632.29	185.9722	9516.07	54.17
224	2010/03/22 16:13:30	186.8750	10143.75	53.65	628.11	186.8750	9515.73	54.17
225	2010/03/22 17:07:40	187.7778	10140.68	53.65	624.55	187.7778	9516.40	54.18

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name PARAMOUNT RESOURCES LTD.
 Unique Well ID 300 N06 60 10 117 30 2
 Start Test Date 2010/03/14
 Final Test Date 2010/03/28

PARA et al CAMERON N-06
 SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
226	2010/03/22 18:01:50	188.6806	10128.04	53.66	611.82	188.6806	9516.18	54.18
227	2010/03/22 18:56:00	189.5833	10169.86	53.64	653.21	189.5833	9516.64	54.18
228	2010/03/22 19:50:10	190.4861	10147.19	53.65	630.50	190.4861	9516.57	54.18
229	2010/03/22 20:44:20	191.3889	10154.84	53.65	638.17	191.3889	9517.00	54.18
230	2010/03/22 21:38:30	192.2917	10149.66	53.65	632.81	192.2917	9516.86	54.19
231	2010/03/22 22:32:40	193.1944	10143.40	53.65	626.47	193.1944	9516.99	54.19
232	2010/03/22 23:26:50	194.0972	10141.89	53.65	624.55	194.0972	9517.20	54.19
233	2010/03/23 00:21:00	195.0000	10106.51	53.68	588.88	195.0000	9517.61	54.19
234	2010/03/23 01:15:10	195.9028	10121.70	53.67	604.14	195.9028	9517.33	54.19
235	2010/03/23 02:09:20	196.8056	10109.73	53.68	592.14	196.8056	9517.85	54.19
236	2010/03/23 03:03:30	197.7083	10089.57	53.68	571.80	197.7083	9517.90	54.19
237	2010/03/23 03:57:40	198.6111	10101.44	53.68	583.31	198.6111	9518.08	54.20
238	2010/03/23 04:51:50	199.5139	10089.70	53.69	571.45	199.5139	9518.27	54.20
239	2010/03/23 05:46:00	200.4167	10101.47	53.69	582.63	200.4167	9518.06	54.20
240	2010/03/23 06:40:10	201.3194	10082.87	53.70	564.00	201.3194	9518.60	54.20
241	2010/03/23 07:34:20	202.2222	10095.50	53.69	576.63	202.2222	9518.80	54.21
242	2010/03/23 08:28:30	203.1250	10088.56	53.70	569.72	203.1250	9519.11	54.21
243	2010/03/23 09:22:40	204.0278	10091.50	53.70	572.06	204.0278	9519.58	54.21
244	2010/03/23 10:16:50	204.9306	10089.83	53.71	570.66	204.9306	9519.23	54.22
245	2010/03/23 11:11:00	205.8333	10091.32	53.71	571.64	205.8333	9519.72	54.22
246	2010/03/23 12:05:10	206.7361	10086.34	53.72	566.13	206.7361	9519.56	54.22
247	2010/03/23 12:59:20	207.6389	10083.32	53.72	563.71	207.6389	9520.07	54.22
248	2010/03/23 13:53:30	208.5417	10075.13	53.72	554.71	208.5417	9520.15	54.22
249	2010/03/23 14:47:40	209.4444	10078.48	53.72	558.31	209.4444	9520.21	54.22
250	2010/03/23 15:41:50	210.3472	10069.51	53.73	549.40	210.3472	9520.47	54.23
251	2010/03/23 16:36:00	211.2500	10073.62	53.72	553.18	211.2500	9520.90	54.23
252	2010/03/23 17:30:10	212.1528	10079.57	53.72	559.33	212.1528	9520.88	54.23
253	2010/03/23 18:24:20	213.0556	10075.31	53.73	554.29	213.0556	9520.80	54.23
254	2010/03/23 19:18:30	213.9583	10069.02	53.72	548.04	213.9583	9521.01	54.23
255	2010/03/23 20:12:40	214.8611	10066.90	53.73	545.83	214.8611	9521.09	54.23
256	2010/03/23 21:06:50	215.7639	10077.34	53.73	556.18	215.7639	9521.05	54.23
257	2010/03/23 22:01:00	216.6667	10074.48	53.73	553.14	216.6667	9521.29	54.23
258	2010/03/23 22:55:10	217.5694	10083.26	53.73	561.81	217.5694	9521.50	54.23
259	2010/03/23 23:49:20	218.4722	10085.70	53.73	564.04	218.4722	9521.48	54.24
260	2010/03/24 00:43:30	219.3750	10062.00	53.74	540.45	219.3750	9521.85	54.24
261	2010/03/24 01:37:40	220.2778	10091.27	53.73	569.18	220.2778	9521.81	54.24
262	2010/03/24 02:31:50	221.1806	10077.03	53.73	555.00	221.1806	9521.87	54.24
263	2010/03/24 03:26:00	222.0833	10086.23	53.73	564.04	222.0833	9522.43	54.24
264	2010/03/24 04:20:10	222.9861	10090.67	53.73	568.29	222.9861	9522.07	54.24
265	2010/03/24 05:14:20	223.8889	10067.78	53.74	545.04	223.8889	9522.65	54.24
266	2010/03/24 06:08:30	224.7917	10088.43	53.73	565.74	224.7917	9522.21	54.24
267	2010/03/24 07:02:40	225.6944	10070.78	53.74	548.06	225.6944	9522.57	54.24
268	2010/03/24 07:56:50	226.5972	10060.49	53.74	537.63	226.5972	9522.71	54.25
269	2010/03/24 08:51:00	227.5000	10069.93	53.75	547.28	227.5000	9523.17	54.25
270	2010/03/24 09:45:10	228.4028	10061.19	53.75	537.98	228.4028	9523.24	54.25

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
271	2010/03/24 10:39:20	229.3056	10056.07	53.76	532.66	229.3056	9523.57	54.26
272	2010/03/24 11:33:30	230.2083	10062.16	53.76	538.69	230.2083	9523.13	54.26
273	2010/03/24 12:27:40	231.1111	10067.82	53.76	544.97	231.1111	9523.65	54.26
274	2010/03/24 13:21:50	232.0139	10075.76	53.75	552.21	232.0139	9523.79	54.26
275	2010/03/24 14:16:00	232.9167	10060.23	53.76	536.39	232.9167	9523.83	54.26
276	2010/03/24 15:10:10	233.8194	10070.32	53.76	546.15	233.8194	9523.55	54.26
277	2010/03/24 16:04:20	234.7222	10509.23	53.54	985.18	234.7222	9523.81	54.27
278	2010/03/24 16:58:30	235.6250	10244.33	53.67	720.68	235.6250	9524.11	54.26
279	2010/03/24 17:52:40	236.5278	10141.46	53.72	616.92	236.5278	9523.86	54.26
280	2010/03/24 18:46:50	237.4306	10169.26	53.70	645.07	237.4306	9524.52	54.26
281	2010/03/24 19:41:00	238.3333	10154.44	53.71	630.04	238.3333	9524.46	54.26
282	2010/03/24 20:35:10	239.2361	10176.14	53.70	651.52	239.2361	9524.24	54.26
283	2010/03/24 21:29:20	240.1389	10170.46	53.70	645.81	240.1389	9524.63	54.26
284	2010/03/24 22:23:30	241.0417	10064.87	53.76	539.99	241.0417	9524.70	54.26
285	2010/03/24 23:17:40	241.9444	10033.10	53.77	508.18	241.9444	9525.24	54.27
286	2010/03/25 00:11:50	242.8472	10027.29	53.78	502.08	242.8472	9524.83	54.26
287	2010/03/25 01:06:00	243.7500	10028.07	53.78	503.18	243.7500	9525.33	54.27
288	2010/03/25 02:00:10	244.6528	10042.76	53.78	517.79	244.6528	9525.14	54.27
289	2010/03/25 02:54:20	245.5556	10004.85	53.79	479.28	245.5556	9525.43	54.27
290	2010/03/25 03:48:30	246.4583	10001.56	53.79	476.16	246.4583	9525.22	54.27
291	2010/03/25 04:42:40	247.3611	9992.61	53.80	467.22	247.3611	9525.36	54.27
292	2010/03/25 05:36:50	248.2639	9974.09	53.81	448.40	248.2639	9525.82	54.27
293	2010/03/25 06:31:00	249.1667	9980.03	53.81	454.42	249.1667	9525.72	54.27
294	2010/03/25 07:25:10	250.0694	9972.77	53.82	447.19	250.0694	9526.16	54.27
295	2010/03/25 08:19:20	250.9722	9952.46	53.82	426.27	250.9722	9526.07	54.27
296	2010/03/25 09:13:30	251.8750	9966.88	53.82	440.93	251.8750	9526.16	54.28
297	2010/03/25 10:07:40	252.7778	9955.72	53.82	429.58	252.7778	9526.07	54.28
298	2010/03/25 11:01:50	253.6806	9945.46	53.83	419.35	253.6806	9526.47	54.28
299	2010/03/25 11:56:00	254.5833	9949.30	53.83	423.35	254.5833	9526.29	54.28
300	2010/03/25 12:50:10	255.4861	9955.45	53.83	428.87	255.4861	9526.14	54.28
301	2010/03/25 13:44:20	256.3889	9960.91	53.83	434.63	256.3889	9526.61	54.28
302	2010/03/25 14:38:30	257.2917	9979.81	53.82	453.03	257.2917	9526.58	54.28
303	2010/03/25 15:32:40	258.1944	9977.40	53.82	450.53	258.1944	9526.76	54.29
304	2010/03/25 16:26:50	259.0972	9998.51	53.81	471.82	259.0972	9527.14	54.28
305	2010/03/25 17:21:00	260.0000	10006.12	53.81	479.28	260.0000	9526.92	54.28
306	2010/03/25 18:15:10	260.9028	10020.17	53.80	492.56	260.9028	9526.76	54.28
307	2010/03/25 19:09:20	261.8056	10012.60	53.81	485.02	261.8056	9527.12	54.28
308	2010/03/25 20:03:30	262.7083	10003.14	53.81	475.75	262.7083	9527.23	54.28
309	2010/03/25 20:57:40	263.6111	9996.32	53.81	469.01	263.6111	9527.47	54.28
310	2010/03/25 21:51:50	264.5139	9975.76	53.82	448.52	264.5139	9527.17	54.28
311	2010/03/25 22:46:00	265.4167	9979.48	53.83	452.25	265.4167	9527.48	54.28
312	2010/03/25 23:40:10	266.3194	9977.57	53.82	450.00	266.3194	9527.51	54.29
313	2010/03/26 00:34:20	267.2222	9969.09	53.83	441.44	267.2222	9527.65	54.28
314	2010/03/26 01:28:30	268.1250	9978.56	53.83	450.73	268.1250	9528.05	54.29
315	2010/03/26 02:22:40	269.0278	9974.45	53.83	446.50	269.0278	9527.84	54.29

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
316	2010/03/26 03:16:50	269.9306	9967.91	53.83	439.84	269.9306	9528.05	54.29
317	2010/03/26 04:11:00	270.8333	9966.59	53.83	438.56	270.8333	9527.92	54.29
318	2010/03/26 05:05:10	271.7361	9974.74	53.83	446.73	271.7361	9528.46	54.29
319	2010/03/26 05:59:20	272.6389	9960.81	53.83	432.81	272.6389	9528.13	54.29
320	2010/03/26 06:53:30	273.5417	9969.84	53.83	441.33	273.5417	9528.36	54.29
321	2010/03/26 07:47:40	274.4444	9969.35	53.83	440.85	274.4444	9528.51	54.29
322	2010/03/26 08:41:50	275.3472	9961.48	53.84	432.97	275.3472	9528.76	54.29
323	2010/03/26 09:36:00	276.2500	9961.14	53.84	432.57	276.2500	9528.97	54.30
324	2010/03/26 10:30:10	277.1528	9958.38	53.85	429.54	277.1528	9529.09	54.30
325	2010/03/26 11:24:20	278.0556	9959.04	53.85	429.85	278.0556	9529.02	54.30
326	2010/03/26 12:18:30	278.9583	9958.18	53.85	429.23	278.9583	9528.79	54.30
327	2010/03/26 13:12:40	279.8611	9939.48	53.86	410.43	279.8611	9528.90	54.30
328	2010/03/26 14:06:50	280.7639	9943.85	53.86	414.78	280.7639	9529.33	54.30
329	2010/03/26 15:01:00	281.6667	9943.63	53.86	414.94	281.6667	9529.20	54.30
330	2010/03/26 15:55:10	282.5694	9930.50	53.86	401.18	282.5694	9529.48	54.30
331	2010/03/26 16:49:20	283.4722	9925.32	53.87	395.78	283.4722	9529.47	54.30
332	2010/03/26 17:43:30	284.3750	9916.81	53.87	386.77	284.3750	9529.35	54.30
333	2010/03/26 18:37:40	285.2778	9911.32	53.87	381.97	285.2778	9529.61	54.30
334	2010/03/26 19:31:50	286.1806	9915.85	53.87	386.10	286.1806	9529.59	54.30
335	2010/03/26 20:26:00	287.0833	9903.98	53.87	374.16	287.0833	9529.85	54.30
336	2010/03/26 21:20:10	287.9861	9912.46	53.87	382.59	287.9861	9530.01	54.30
337	2010/03/26 22:14:20	288.8889	9899.87	53.88	370.17	288.8889	9529.95	54.30
338	2010/03/26 23:08:30	289.7917	9904.77	53.87	375.06	289.7917	9529.90	54.29
339	2010/03/27 00:02:40	290.6944	9907.91	53.87	378.01	290.6944	9530.29	54.30
340	2010/03/27 00:56:50	291.5972	9899.14	53.87	368.91	291.5972	9530.00	54.29
341	2010/03/27 01:51:00	292.5000	9893.88	53.88	364.06	292.5000	9530.00	54.29
342	2010/03/27 02:45:10	293.4028	9898.47	53.88	368.51	293.4028	9530.41	54.30
343	2010/03/27 03:39:20	294.3056	9879.85	53.89	349.57	294.3056	9530.29	54.30
344	2010/03/27 04:33:30	295.2083	9874.44	53.89	343.97	295.2083	9530.16	54.30
345	2010/03/27 05:27:40	296.1111	9866.93	53.90	336.55	296.1111	9530.57	54.30
346	2010/03/27 06:21:50	297.0139	9867.00	53.90	336.56	297.0139	9530.58	54.30
347	2010/03/27 07:16:00	297.9167	9862.47	53.90	331.99	297.9167	9530.71	54.30
348	2010/03/27 08:10:10	298.8194	9863.59	53.90	333.08	298.8194	9530.58	54.30
349	2010/03/27 09:04:20	299.7222	9860.42	53.91	329.68	299.7222	9530.27	54.30
350	2010/03/27 09:58:30	300.6250	9860.84	53.90	329.92	300.6250	9530.62	54.31
351	2010/03/27 10:52:40	301.5278	9855.89	53.92	324.95	301.5278	9530.81	54.31
352	2010/03/27 11:46:50	302.4306	9852.56	53.92	321.16	302.4306	9530.87	54.31
353	2010/03/27 12:41:00	303.3333	9856.93	53.91	326.16	303.3333	9530.91	54.31
354	2010/03/27 13:35:10	304.2361	9860.11	53.91	329.29	304.2361	9531.26	54.31
355	2010/03/27 14:29:20	305.1389	9848.03	53.91	317.02	305.1389	9531.14	54.31
356	2010/03/27 15:23:30	306.0417	9851.72	53.91	320.77	306.0417	9531.32	54.31
357	2010/03/27 16:17:40	306.9444	9848.45	53.91	317.06	306.9444	9531.46	54.31
358	2010/03/27 17:11:50	307.8472	9854.23	53.91	322.79	307.8472	9531.29	54.31
359	2010/03/27 18:06:00	308.7500	9848.89	53.92	317.99	308.7500	9531.05	54.31
360	2010/03/27 19:00:10	309.6528	9844.07	53.92	312.37	309.6528	9531.61	54.31

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m

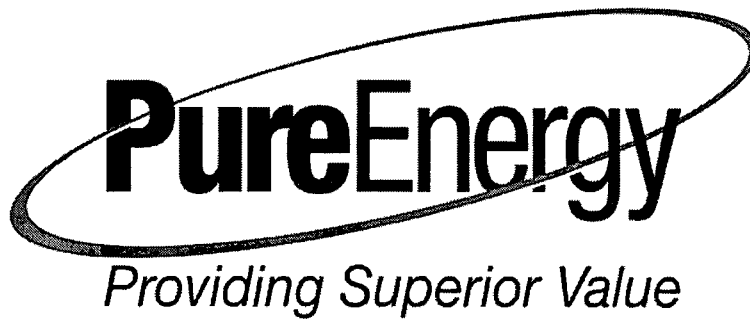
Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/14**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
361	2010/03/27 19:54:20	310.5556	9847.67	53.91	316.30	310.5556	9531.55	54.31
362	2010/03/27 20:48:30	311.4583	9847.04	53.91	315.46	311.4583	9531.72	54.31
363	2010/03/27 21:42:40	312.3611	9851.00	53.91	319.30	312.3611	9531.75	54.31
364	2010/03/27 22:36:50	313.2639	9852.11	53.91	320.33	313.2639	9532.03	54.31
365	2010/03/27 23:31:00	314.1667	9850.64	53.91	318.63	314.1667	9532.28	54.31
366	2010/03/28 00:25:10	315.0694	9857.22	53.91	325.39	315.0694	9531.92	54.31
367	2010/03/28 01:19:20	315.9722	9949.66	53.87	417.78	315.9722	9532.23	54.31
368	2010/03/28 02:13:30	316.8750	9961.82	53.86	429.56	316.8750	9531.69	54.31
369	2010/03/28 03:07:40	317.7778	9997.76	53.84	465.60	317.7778	9532.68	54.31
370	2010/03/28 04:01:50	318.6806	10036.51	53.82	504.28	318.6806	9532.20	54.31
371	2010/03/28 04:56:00	319.5833	10010.36	53.84	477.70	319.5833	9532.28	54.31
372	2010/03/28 05:50:10	320.4861	9975.04	53.85	442.02	320.4861	9532.57	54.31
373	2010/03/28 06:44:20	321.3889	9982.30	53.85	449.71	321.3889	9532.36	54.31
374	2010/03/28 07:38:30	322.2917	10009.92	53.84	477.57	322.2917	9532.85	54.31
375	2010/03/28 08:32:40	323.1944	10028.10	53.83	495.56	323.1944	9532.34	54.31
376	2010/03/28 09:26:50	324.0972	10027.60	53.83	495.27	324.0972	9532.72	54.31
377	2010/03/28 10:21:00	325.0000	10058.07	53.81	525.11	325.0000	9532.75	54.31
378	2010/03/28 11:15:10	325.9028	10086.00	53.81	553.83	325.9028	9532.76	54.32
379	2010/03/28 12:09:20	326.8056	10054.89	53.82	521.80	326.8056	9532.93	54.32
380	2010/03/28 13:03:30	327.7083	10087.74	53.80	554.48	327.7083	9532.68	54.32
381	2010/03/28 13:57:40	328.6111	10041.81	53.83	508.82	328.6111	9533.05	54.31
382	2010/03/28 14:51:50	329.5139	10071.61	53.81	538.69	329.5139	9532.82	54.31
383	2010/03/28 15:46:00	330.4167	10084.21	53.80	551.20	330.4167	9532.99	54.32
384	2010/03/28 16:40:10	331.3194	10090.88	53.80	557.84	331.3194	9533.07	54.32
385	2010/03/28 17:34:20	332.2222	10095.93	53.80	563.07	332.2222	9533.08	54.31
386	2010/03/28 18:28:30	333.1250	10081.89	53.80	548.43	333.1250	9533.42	54.31
387	2010/03/28 19:22:40	334.0278	10104.83	53.78	571.58	334.0278	9533.50	54.29
388	2010/03/28 20:16:50	334.9306	10104.67	53.86	570.90	334.9306	9533.69	54.31
389	2010/03/28 20:39:40	335.3111	10079.10	53.88	546.13	335.3111	9524.38	54.20
390	2010/03/28 20:39:45	335.3125	10084.33	53.88	551.27	335.3125	9524.74	54.20
391	Recorders off bottom - Gradient on way out.							
392	2010/03/28 20:39:50	335.3139	10081.64	53.88	548.60	335.3139	9524.47	54.19
393	2010/03/28 21:11:00	335.8333	9964.07	49.26	520.07	335.8333	9408.53	47.23
394	2010/03/28 22:05:10	336.7361	9266.59	1.79	717.67	336.7361	293.50	-1.19
395	2010/03/28 22:20:41	336.9947	963.44	0.92		336.9111	85.26	3.27

Print Filter: Approximately every 650 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77533	2010/03/14	21:21:00	1279.60 m
Top	77532	2010/03/14	21:24:45	1279.35 m



Company Name **PARAMOUNT RESOURCES LTD.**

Well Name **PARA et al CAMERON N-06**
Unique Well ID **300 N06 60 10 117 30 2**
Formation **SLAVE POINT**
Well License Number **WID 2067**

Test Type **Final Static Gradient**
Start Test Date **2010/03/28**
Final Test Date **2010/03/28**

Prepared By **Pam Cruickshank**
Report Date **2010/03/30**



Pure Energy Services Ltd.
10th Floor, 333 - 11th Avenue SW, Calgary, Alberta T2R 1L9
Phone: 403-262-4000 Fax: 403-237-9731
www.pure-energy.ca

Well Information

Company Name **PARAMOUNT RESOURCES LTD.**
 Well Name **PARA et al CAMERON N-06**
 Contact **DICK HEENAN**
 Surface Location
 Unique Well ID **300 N06 60 10 117 30 2** KB Elevation (SL) **717.80 m**
 Well Type **Vertical** GL Elevation (SL) **713.20 m**
 Well Fluid Type **01 Oil** CF Elevation (SL) **713.20 m**
 H2S Indicator **No** KB-GL Offset **4.60 m**
 KB-CF Offset **4.60 m**
 Formation **SLAVE POINT**
 Top(Log KB) **1283.00 m** Bottom(Log KB) **1286.00 m**
 Top(TVD KB) **1283.00 m** Bottom(TVD KB) **1286.00 m**

Test Information

Test Type	Final Static Gradient	Start Test Date	2010/03/28 19:07:15
Test Purpose (AEUB)	Initial Test	Final Test Date	2010/03/28 22:20:36
		Date Well Shut-In	2010/03/18 11:59:50
Tubing OD	60.3 mm	Tubing Pressure: Initial	9256.00 kPa(a)
Tubing ID	50.8 mm	Tubing Pressure: Final	9256.00 kPa(a)
Tubing Depth(Log KB)	1280.96000 m	Casing Pressure: Initial	9250.00 kPa(a)
Tubing Depth(TVD KB)	1280.96000 m	Casing Pressure: Final	9250.00 kPa(a)
Casing OD	139.7 mm	Representative	Steve Wiernga
Casing ID	125.7 mm	Prepared By	Pam Cruickshank
Casing Depth(Log KB)	1449.00000 m	Qualified By	Loyed Vogel
Casing Depth(TVD KB)	1449.00000 m	Report Date	2010/03/30
Packer Depth(Log KB)	m		
Packer Depth(TVD KB)	m		
PBTD(Log KB)	1434.00 m		
PBTD(TVD KB)	1434.00 m		

Test Results

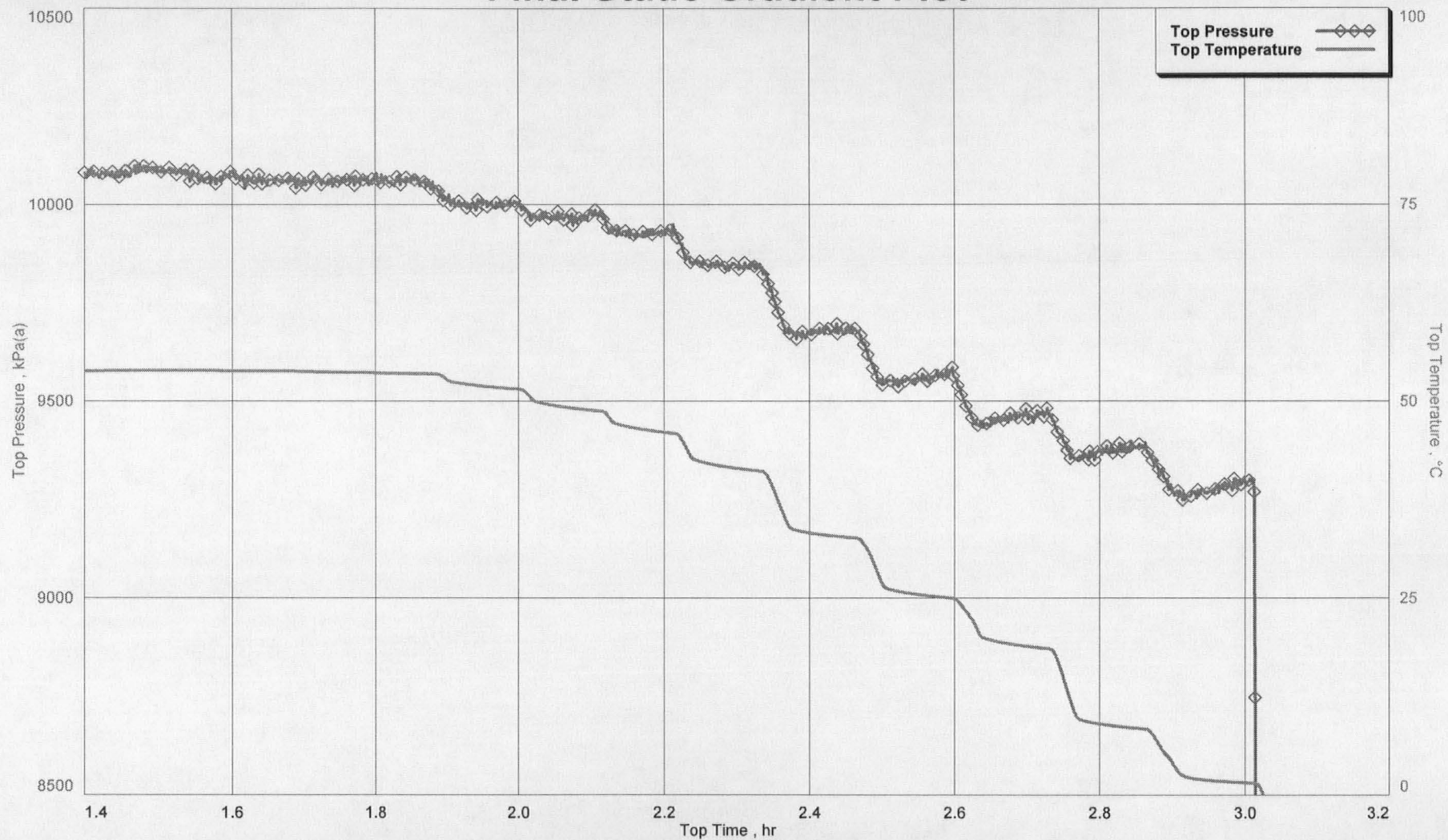
Gauge Serial Number	77532
Run Depth (Log KB)	1279.35 m
Run Depth (TVD KB)	1279.35 m
Pressure at Stop Depth	10085.38 kPa(a)
MPP Depth	1284.50 m
Representative Pressure at MPP	10089.38 kPa(a)
Reservoir Temperature	°C
Liquid Level(TVD KB)	m

Remarks **Bottom Recorder Malfunctioned.**

PARAMOUNT RESOURCES LTD.
300 N06 60 10 117 30 2
Start Test Date: 2010/03/28
Final Test Date: 2010/03/28

PARA et al CAMERON N-06
Formation: SLAVE POINT

Final Static Gradient Plot



Top

PARAMOUNT RESOURCES LTD.
300 N06 60 10 117 30 2
Start Test Date: 2010/03/28
Final Test Date: 2010/03/28

PARA et al CAMERON N-06
Formation: SLAVE POINT

Top

Gauge Serial Number	77532	Gauge Type	Strain
Gauge Manufacturer	Spartek Systems	Maximum Recorder Range	41461.54 kPa
Run Depth (Log KB)	1279.35 m	Date of Last Calibration	2009/07/01
Gauge Start Date	2010/03/28 19:07:15	Gauge Stop Date	2010/03/28 22:20:36
Date Gauge On Bottom	2010/03/28 19:07:15	Date Gauge Off Bottom	2010/03/28 20:40:05

Test Data

Top(TVD KB)	1283.00 m	Bottom(TVD KB)	1286.00 m
Pool Datum Depth (SS)	m	Well Datum Depth	m
Tubing Pressure: Initial	9256.00 kPa(a)	Tubing Pressure: Final	9256.00 kPa(a)
Casing Pressure: Initial	9250.00 kPa(a)	Casing Pressure: Final	9250.00 kPa(a)
Start Test Date	2010/03/28 19:07:15	Date Well Shut-In	2010/03/18 11:59:50

Depth m	Time hh:mm:ss	Duration min	Pressure kPa(a)	Gradient kPa/m	Temp. °C	Gradient °C/m
1279.35	20:40:05	92.83	10085.38		53.87	
1269.35	20:48:05	8.00	10071.93	1.345	53.83	0.005
1259.35	20:54:00	5.92	10057.80	1.413	53.64	0.018
1254.35	20:59:30	5.50	10049.91	1.578	53.47	0.035
1204.35	21:07:15	7.75	10006.65	0.865	51.51	0.039
1154.35	21:14:20	7.08	9969.25	0.748	48.61	0.058
1104.35	21:20:10	5.83	9929.17	0.802	45.88	0.055
1004.35	21:27:10	7.00	9848.82	0.804	41.10	0.048
804.35	21:35:05	7.92	9678.82	0.850	32.59	0.043
604.35	21:42:45	7.67	9563.13	0.578	25.03	0.038
404.35	21:51:15	8.50	9464.64	0.492	18.50	0.033
204.35	21:58:55	7.67	9381.95	0.413	8.40	0.050
4.35	22:07:55	9.00	9302.07	0.399	1.52	0.034

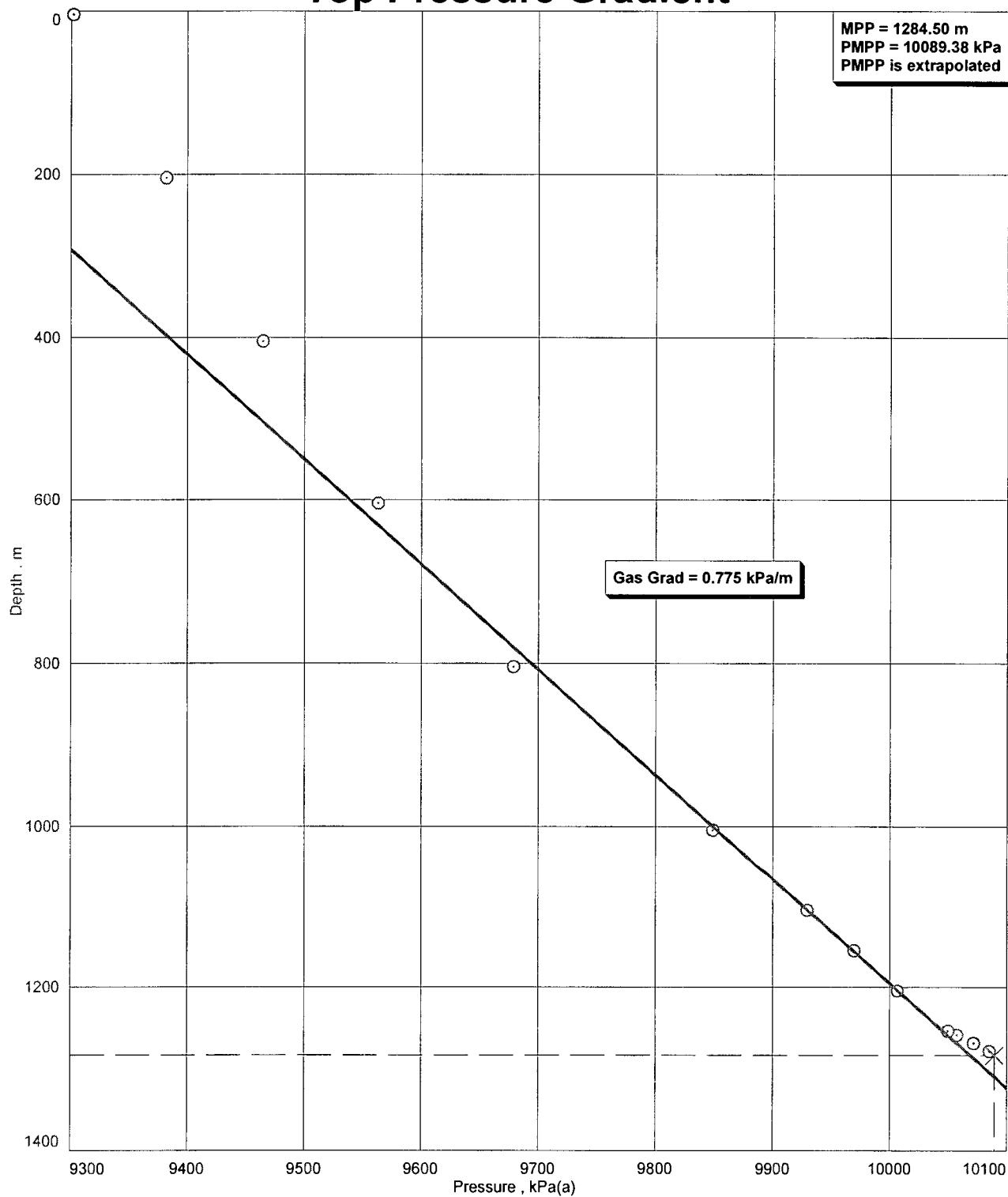
Results

Gas	0.775 kPa/m	MPP	1284.50 m	10089.38 kPa(a)
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PARAMOUNT RESOURCES LTD.
300 N06 60 10 117 30 2
Start Test Date: 2010/03/28
Final Test Date: 2010/03/28

PARA et al CAMERON N-06
Formation: SLAVE POINT

Top Pressure Gradient



**Double-Click In Design View
To Select/Edit
Static Gradient Report 2 Page 1**

**Double-Click In Design View
To Select/Edit
[GradientPlot = 2][1]**

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/28**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Top Date	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C
1	2010/03/28 19:07:15	0.0000	10097.14	53.78
2	2010/03/28 19:08:30	0.0208	10108.51	53.78
3	2010/03/28 19:09:45	0.0417	10114.61	53.77
4	2010/03/28 19:11:00	0.0625	10097.55	53.78
5	2010/03/28 19:12:15	0.0833	10092.92	53.79
6	2010/03/28 19:13:30	0.1042	10103.05	53.78
7	2010/03/28 19:14:45	0.1250	10098.82	53.79
8	2010/03/28 19:16:00	0.1458	10106.23	53.78
9	2010/03/28 19:17:15	0.1667	10105.06	53.78
10	2010/03/28 19:18:30	0.1875	10099.72	53.78
11	2010/03/28 19:19:45	0.2083	10106.69	53.78
12	2010/03/28 19:21:00	0.2292	10109.69	53.78
13	2010/03/28 19:22:15	0.2500	10110.94	53.78
14	2010/03/28 19:23:30	0.2708	10110.45	53.78
15	2010/03/28 19:24:45	0.2917	10082.29	53.79
16	2010/03/28 19:26:00	0.3125	10082.21	53.80
17	2010/03/28 19:27:15	0.3333	10083.17	53.79
18	2010/03/28 19:28:30	0.3542	10089.16	53.79
19	2010/03/28 19:29:45	0.3750	10091.06	53.79
20	2010/03/28 19:31:00	0.3958	10098.53	53.79
21	2010/03/28 19:32:15	0.4167	10089.95	53.79
22	2010/03/28 19:33:30	0.4375	10092.34	53.79
23	2010/03/28 19:34:45	0.4583	10088.59	53.80
24	2010/03/28 19:36:00	0.4792	10097.40	53.79
25	2010/03/28 19:37:15	0.5000	10083.35	53.80
26	2010/03/28 19:38:30	0.5208	10085.99	53.80
27	2010/03/28 19:39:45	0.5417	10096.66	53.79
28	2010/03/28 19:41:00	0.5625	10096.72	53.79
29	2010/03/28 19:42:15	0.5833	10091.45	53.80
30	2010/03/28 19:43:30	0.6042	10094.82	53.79
31	2010/03/28 19:44:45	0.6250	10095.82	53.80
32	2010/03/28 19:46:00	0.6458	10091.74	53.79
33	2010/03/28 19:47:15	0.6667	10087.84	53.80
34	2010/03/28 19:48:30	0.6875	10105.85	53.80
35	2010/03/28 19:49:45	0.7083	10084.21	53.81
36	2010/03/28 19:51:00	0.7292	10095.95	53.81
37	2010/03/28 19:52:15	0.7500	10109.20	53.81
38	2010/03/28 19:53:30	0.7708	10088.44	53.82
39	2010/03/28 19:54:45	0.7917	10095.26	53.82
40	2010/03/28 19:56:00	0.8125	10085.10	53.83
41	2010/03/28 19:57:15	0.8333	10082.78	53.84
42	2010/03/28 19:58:30	0.8542	10078.59	53.86
43	2010/03/28 19:59:45	0.8750	10114.60	53.84
44	2010/03/28 20:01:00	0.8958	10125.72	53.84
45	2010/03/28 20:02:15	0.9167	10097.35	53.87

Print Filter: Approximately every 15 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Top	77532	2010/03/28	19:07:15	1279.35 m
Top	0	2010/03/14	21:26:00	m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/28**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Top Date	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C
46	2010/03/28 20:03:30	0.9375	10078.36	53.88
47	2010/03/28 20:04:45	0.9583	10085.96	53.88
48	2010/03/28 20:06:00	0.9792	10090.80	53.88
49	2010/03/28 20:07:15	1.0000	10088.43	53.89
50	2010/03/28 20:08:30	1.0208	10093.70	53.87
51	2010/03/28 20:09:45	1.0417	10097.81	53.87
52	2010/03/28 20:11:00	1.0625	10095.51	53.86
53	2010/03/28 20:12:15	1.0833	10087.44	53.83
54	2010/03/28 20:13:30	1.1042	10085.15	53.83
55	2010/03/28 20:14:45	1.1250	10092.48	53.85
56	2010/03/28 20:16:00	1.1458	10076.33	53.86
57	2010/03/28 20:17:15	1.1667	10088.08	53.86
58	2010/03/28 20:18:30	1.1875	10088.59	53.86
59	2010/03/28 20:19:45	1.2083	10089.66	53.85
60	2010/03/28 20:21:00	1.2292	10108.34	53.83
61	2010/03/28 20:22:15	1.2500	10082.92	53.85
62	2010/03/28 20:23:30	1.2708	10071.08	53.85
63	2010/03/28 20:24:45	1.2917	10079.25	53.85
64	2010/03/28 20:26:00	1.3125	10075.04	53.84
65	2010/03/28 20:27:15	1.3333	10074.52	53.84
66	2010/03/28 20:28:30	1.3542	10064.70	53.84
67	2010/03/28 20:29:45	1.3750	10088.04	53.83
68	2010/03/28 20:31:00	1.3958	10083.09	53.83
69	2010/03/28 20:32:15	1.4167	10075.90	53.84
70	2010/03/28 20:33:30	1.4375	10083.45	53.85
71	2010/03/28 20:34:45	1.4583	10081.76	53.86
72	2010/03/28 20:36:00	1.4792	10092.58	53.87
73	2010/03/28 20:37:15	1.5000	10083.09	53.89
74	2010/03/28 20:38:30	1.5208	10088.55	53.90
75	2010/03/28 20:39:45	1.5417	10081.64	53.88
76	2010/03/28 20:41:00	1.5625	10056.60	53.89
77	2010/03/28 20:42:15	1.5833	10065.52	53.84
78	2010/03/28 20:43:30	1.6042	10074.60	53.82
79	2010/03/28 20:44:45	1.6250	10060.87	53.82
80	2010/03/28 20:46:00	1.6458	10059.20	53.83
81	2010/03/28 20:47:15	1.6667	10058.42	53.84
82	2010/03/28 20:48:30	1.6875	10066.79	53.80
83	2010/03/28 20:49:45	1.7083	10057.66	53.73
84	2010/03/28 20:51:00	1.7292	10054.17	53.69
85	2010/03/28 20:52:15	1.7500	10051.90	53.67
86	2010/03/28 20:53:30	1.7708	10048.74	53.65
87	2010/03/28 20:54:45	1.7917	10051.20	53.60
88	2010/03/28 20:56:00	1.8125	10064.37	53.54
89	2010/03/28 20:57:15	1.8333	10074.38	53.50
90	2010/03/28 20:58:30	1.8542	10066.77	53.48

Print Filter: Approximately every 15 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Top	77532	2010/03/28	19:07:15	1279.35 m
Top	0	2010/03/14	21:26:00	m

Company Name **PARAMOUNT RESOURCES LTD.**
 Unique Well ID **300 N06 60 10 117 30 2**
 Start Test Date **2010/03/28**
 Final Test Date **2010/03/28**

PARA et al CAMERON N-06
SLAVE POINT

	Top Date	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C
91	2010/03/28 20:59:45	1.8750	10061.60	53.46
92	2010/03/28 21:01:00	1.8958	10010.31	53.11
93	2010/03/28 21:02:15	1.9167	10004.59	52.30
94	2010/03/28 21:03:30	1.9375	10000.98	52.04
95	2010/03/28 21:04:45	1.9583	9998.89	51.83
96	2010/03/28 21:06:00	1.9792	9993.26	51.66
97	2010/03/28 21:07:15	2.0000	10006.65	51.51
98	2010/03/28 21:07:20	2.0014	10001.51	51.50
99	Recorders off bottom.			
100	2010/03/28 21:07:25	2.0028	9999.82	51.49
101	2010/03/28 21:08:30	2.0208	9975.95	50.05
102	2010/03/28 21:09:45	2.0417	9964.85	49.56
103	2010/03/28 21:11:00	2.0625	9960.59	49.25
104	2010/03/28 21:12:15	2.0833	9965.66	49.00
105	2010/03/28 21:13:30	2.1042	9979.44	48.78
106	2010/03/28 21:14:45	2.1250	9926.73	47.83
107	2010/03/28 21:16:00	2.1458	9930.54	46.84
108	2010/03/28 21:17:15	2.1667	9923.42	46.46
109	2010/03/28 21:18:30	2.1875	9928.25	46.17
110	2010/03/28 21:19:45	2.2083	9934.56	45.94
111	2010/03/28 21:21:00	2.2292	9860.38	44.30
112	2010/03/28 21:22:15	2.2500	9850.86	42.31
113	2010/03/28 21:23:30	2.2708	9839.90	41.87
114	2010/03/28 21:24:45	2.2917	9843.87	41.56
115	2010/03/28 21:26:00	2.3125	9843.16	41.30
116	2010/03/28 21:27:15	2.3333	9837.33	41.09
117	2010/03/28 21:28:30	2.3542	9739.85	37.89
118	2010/03/28 21:29:45	2.3750	9680.61	33.80
119	2010/03/28 21:31:00	2.3958	9665.48	33.32
120	2010/03/28 21:32:15	2.4167	9678.24	33.03
121	2010/03/28 21:33:30	2.4375	9696.57	32.81
122	2010/03/28 21:34:45	2.4583	9691.89	32.63
123	2010/03/28 21:36:00	2.4792	9631.55	31.26
124	2010/03/28 21:37:15	2.5000	9540.49	26.82
125	2010/03/28 21:38:30	2.5208	9555.93	25.87
126	2010/03/28 21:39:45	2.5417	9545.30	25.55
127	2010/03/28 21:41:00	2.5625	9550.31	25.30
128	2010/03/28 21:42:15	2.5833	9570.73	25.09
129	2010/03/28 21:43:30	2.6042	9539.82	24.65
130	2010/03/28 21:44:45	2.6250	9457.59	22.17
131	2010/03/28 21:46:00	2.6458	9437.32	19.79
132	2010/03/28 21:47:15	2.6667	9457.80	19.34
133	2010/03/28 21:48:30	2.6875	9458.02	19.03
134	2010/03/28 21:49:45	2.7083	9445.83	18.79
135	2010/03/28 21:51:00	2.7292	9472.18	18.58

Print Filter: Approximately every 15 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Top	77532	2010/03/28	19:07:15	1279.35 m
Top	0	2010/03/14	21:26:00	m

Company Name PARAMOUNT RESOURCES LTD.
 Unique Well ID 300 N06 60 10 117 30 2
 Start Test Date 2010/03/28
 Final Test Date 2010/03/28

PARA et al CAMERON N-06
 SLAVE POINT

	Top Date	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C
136	2010/03/28 21:52:15	2.7500	9397.98	14.96
137	2010/03/28 21:53:30	2.7708	9355.39	9.73
138	2010/03/28 21:54:45	2.7917	9361.07	9.18
139	2010/03/28 21:56:00	2.8125	9370.82	8.88
140	2010/03/28 21:57:15	2.8333	9372.26	8.65
141	2010/03/28 21:58:30	2.8542	9390.55	8.45
142	2010/03/28 21:59:45	2.8750	9335.82	7.39
143	2010/03/28 22:01:00	2.8958	9286.27	4.69
144	2010/03/28 22:02:15	2.9167	9247.60	2.40
145	2010/03/28 22:03:30	2.9375	9268.15	2.00
146	2010/03/28 22:04:45	2.9583	9275.89	1.82
147	2010/03/28 22:06:00	2.9792	9286.41	1.68
148	2010/03/28 22:07:15	3.0000	9294.68	1.57
149	2010/03/28 22:08:30	3.0208	4531.97	0.94
150	2010/03/28 22:09:45	3.0417	1206.12	-1.86
151	2010/03/28 22:11:00	3.0625	898.26	-2.27
152	2010/03/28 22:12:15	3.0833	928.38	-2.27
153	2010/03/28 22:13:30	3.1042	913.90	-2.17
154	2010/03/28 22:14:45	3.1250	924.33	-1.70
155	2010/03/28 22:16:00	3.1458	914.87	-1.46
156	2010/03/28 22:17:15	3.1667	935.25	-1.21
157	2010/03/28 22:18:30	3.1875	933.73	-0.95
158	2010/03/28 22:19:45	3.2083	936.30	-0.45
159	2010/03/28 22:20:36	3.2225	963.44	0.92

Print Filter: Approximately every 15 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Top	77532	2010/03/28	19:07:15	1279.35 m
Top	0	2010/03/14	21:26:00	m



Container Identification
8000288

Operator Name
PARAMOUNT RESOURCES LTD.

Laboratory Number
10G394298A

Unique Well Identifier	Well Name
2067	PARA et al CAMERON N-06

Field or Area	Pool or Zone	Sampler's Company
CAMERON	SLAVE POINT	AXEL PRODUCTION SERVICES

Well License	Elevation	Test Type	Test No.	Name of Sampler
	KB m 717.80 GRD m 713.20			

Test Interval or Perfs mKB	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1283.0-1286.0	METER RUN	Pressure (kPa)		800	800	850
mKB		Temperature		-1	-1	21

Date Sampled	Date Received	Date Analyzed	Date Reported	Entered By	Certified By
Mar 18, 2010	Mar 25, 2010	Apr 07, 2010	Apr 07, 2010	Gerry Ecker	Gerry Ecker

Other Information
#2067, FIELD H ₂ S = 0.9%/LAB = 1.29%

* Results relate only to the items tested

COMP	MOLE FRACTION		PETROLEUM LIQUID mL / m ³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0003	0.0003	
He	0.0008	0.0008	
N ₂	0.0170	0.0176	
CO ₂	0.0228	0.0000	
H ₂ S	0.0129	0.0000	
C ₁	0.9195	0.9537	
C ₂	0.0140	0.0145	
C ₃	0.0072	0.0075	26.5
IC ₄	0.0011	0.0011	4.8
NC ₄	0.0021	0.0022	8.8
IC ₅	0.0007	0.0007	3.4
NC ₅	0.0006	0.0006	2.9
C ₆	0.0005	0.0005	2.7
C ₇₊	0.0005	0.0005	3.2
Total	1.0000	1.0000	52.3

GROSS HEATING VALUE MJ/m³ 15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free	C ₇₊ , Air Free As Received
37.45	38.50	0.11

RELATIVE DENSITY (CALCULATED)

DENSITY

Moisture Free	Moisture & Acid Gas Free	C ₇₊ , Moisture Free	C ₇₊ , Portion Whole Density	C ₇₊ Density (kg/m ³)	Total Sample Density(kg/m ³)
0.614	0.585	3.556	0.002	692.1	0.752

PSEUDO CRITICAL PROPERTIES (CALCULATED)

As Sampled		Acid Gas Free	
pPc (abs) kPa	pTc K	pPc (abs) kPa	pTc K
4689.4	198.5	4568.5	193.7

RELATIVE MOLECULAR MASS

Total Gas	C ₇₊
17.8	103.0

VAPOUR PRESSURE (Pentanes +)

H₂S g/m³

80.45 kPa

18.56





Container Identification			
PB1			
Operator Name		Laboratory Number	
PARAMOUNT RESOURCES LTD.		10W394298A	
Unique Well Identifier	Well Name		
2067	PARA et al CAMERON N-06		
Field or Area	Pool or Zone	Sampler's Company	
CAMERON	SLAVE POINT	AXFI PRODUCTION SERVICES	
Well License	Elevation	Test Type	Test No.
	KB m 717.80 GRD m 713.20		
Name of Sampler			
Test Interval or Perfs mKB	Sampling Point	Separator	Reservoir
1283.0 -1286.0	STORAGE TANK		
mKB		Pressure (kPa)	Source
		Temperature	Sampled
			Received
Date Sampled	Date Received	Date Analyzed	Date Reported
Mar 18, 2010	Mar 25, 2010	Mar 31, 2010	Mar 31, 2010
Entered By		Certified By	
Leila Nasrat		Leila Nasrat	
Other Information			
LSD: N-06			

* Results relate only to the items tested

Cations

ION	mg/L	mmol/L	meq/L
Na	5540.0	241.0	241.0
K	6130.0	156.8	156.8
Ca	1150.0	28.7	57.4
Mg	487.0	20.0	40.1
Fe	TRACE	0.0	TRACE
Total Cations			495.3

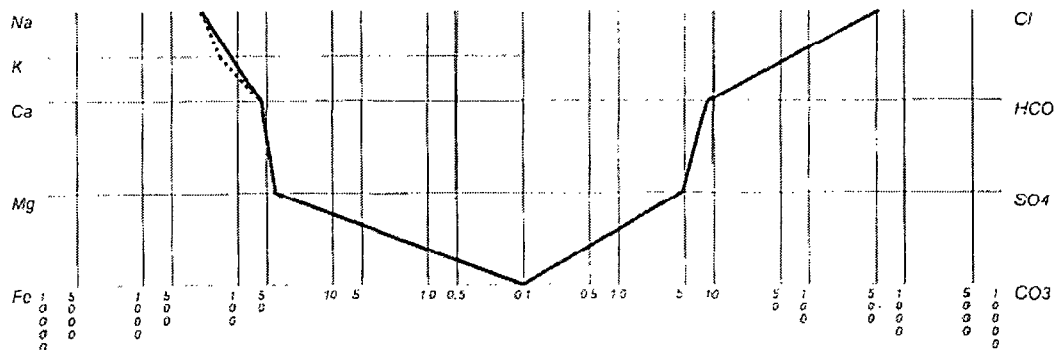
Anions

ION	mg/L	mmol/L	meq/L
Cl	18994.0	535.8	535.8
HCO3	527.9	8.7	8.7
SO4	228.0	2.4	4.7
CO3	Nil	Nil	Nil
OH	Nil	Nil	Nil
Total Anions			549.2

Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	32788
Observed pH	7.08
H2S (25°C) mg/L	272.64
Relative Density (25°C)	1.024
Resistivity/OHM-m (25°C)	0.211
Salinity %	3.35
Total Alkalinity as CaCO3 mg/L	432.67

Stiff Diagram (meq/L)



Client Name Paramount Resources Ltd.	Well Name Parsa et al Cameron	Job Date March 11, 2010	Call Sheet 113279
Client Representative Kim	Location N-06	Job Type Selective Acid	

Well Profile

Well Type:	Oil
Maximum Treating Pressure (MPa) :	---
Predicted Bottom Hole Static Temperature (°C) :	--- @ ---
Bottom Hole Circulating Temperature (°C) :	--- @ ---
Bottom Hole Logged Temperature (°C) :	--- @ ---

Casing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Internal Yield Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
139.70	20.83	J-55	22.000	29.000	--	127.300	153.670	--	--

Tubing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
73.03	9.67	J-55	53.000	--	62.000	93.170	--	--

Products

Stage 1

From Depth(m) : 0

To Depth(m) :

Acids/Blends/Fluids :

Treatment Acid: 11 m3 of 15% HCl, Density = 1070 kg/m³

+ 6 l/m3 of ASA-3 (Preblend),

+ 1 l/m3 of D-2 (Preblend),

+ 11 kg/m3 of ICA-7 (Preblend),

+ 0.5 l/m3 of DF-1 (water and acids) (Preblend)

Displacement: 54 m3 of Water, Density = 1024 kg/m³, Water Temperature(°C) = 20

Fluid & Cement Data

Expected Cement Top :

Wellbore Fluids

Fluid Type	Viscosity(cP)	Density(kg/m³)	Yield Point(mPa-s)	Temperature(°C)	Recorded @
Water	--	1000.000	--	--	Jan 16, 2010 14:45

Attachment & Tools

Down Hole Tools

Tool Type	Depth(m)	Supplier
Selective Injection Packer	--	Third Party

Units & Personnel

Units

Requested Time On Location : Mar 11,2010 8:00

Unit #	Main Type	Sub Type	On Location Date	Off Location Date
740035	BODY JOB	C & A	Mar 11,2010 8:00	Mar 12,2010 0:00
200407	PICKUP	1/2 Ton	Mar 11,2010 8:00	Mar 12,2010 0:00

Crew and Bonuses

Employee	On Location	Off Location
Utri, Gregory	Mar 11,2010 8:00	Mar 12,2010 0:00
Delabays, Philippe	Mar 11,2010 8:00	Mar 12,2010 0:00
Juneau, Rocky	Mar 11,2010 8:00	Mar 12,2010 0:00
Fundyus, Darcy	Mar 11,2010 8:00	Mar 12,2010 0:00

Third Party

Service Name	Equipment #	Unit On Location Time	Unit Off Location Time
Seawards Oilfield service Ltd		Mar 11,2010 2:00	Mar 11,2010 22:00

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (m³/min)	Tubular Pressure (MPa)	Annular Pressure (MPa)	Stage Volume (m³)	Total Volume (m³)
1	Mar 11, 2010 8:00	Arrive On Location		--	--	--	--	0.000
2	Mar 11, 2010 8:01	Wait On Instructions		--	--	--	--	0.000
3	Mar 11, 2010 14:00	Safety Meeting		--	--	--	--	0.000
4	Mar 11, 2010 14:43	Establish Circulation	Water	0.200	1.000	0.000	0.200	0.000
5	Mar 11, 2010 14:44	Pressure Test	Water	--	29.000	--	--	0.000
6	Mar 11, 2010 14:48	Pressure Test Remarks: pressure test testers lines	Water	--	18.000	--	--	0.000
7	Mar 11, 2010 14:50	N/A Remarks: close unloader		--	--	--	--	0.000
8	Mar 11, 2010 14:53	Pressure Test Remarks: pressure test unloader valve	Water	--	7.000	0.000	--	0.000
9	Mar 11, 2010 15:03	Pump	15% HCl	0.290	3.000	2.000	3.500	0.000
0	Mar 11, 2010 15:15	Displace Fluid	Water	0.350	3.000	2.000	1.200	0.000
11	Mar 11, 2010 15:26	Wash	Water	0.200	3.000	1.700	0.200	0.000
12	Mar 11, 2010 15:31	Wash	Water	0.200	2.500	1.400	0.200	0.000
13	Mar 11, 2010 15:39	Wash	Water	0.200	3.000	2.000	0.200	0.000
14	Mar 11, 2010 15:41	Squeeze Remarks: bump up pressure to 10, let well bleed off to 9 and repeat,	Water	--	10.000	10.000	--	0.000
15	Mar 11, 2010 16:18	N/A Remarks: move tools 1m		--	--	--	--	0.000
16	Mar 11, 2010 16:20	Squeeze	Water	--	10.000	9.000	0.600	0.000
17	Mar 11, 2010 16:43	N/A Remarks: move tools 1m		--	--	--	--	0.000
18	Mar 11, 2010 16:44	Squeeze Remarks: bump pressure up to 10 mpa, bleed off to 9	Water	--	10.000	9.500	--	0.000
19	Mar 11, 2010 16:59	N/A Remarks: pull up into blank pipe		--	--	--	--	0.000
20	Mar 11, 2010 17:01	Pressure Test Remarks: pressure test tool in blank casing		--	7.000	0.600	--	0.000
21	Mar 11, 2010 17:05	N/A Remarks: move tools down to first interval		--	--	--	--	0.000

22	Mar 11, 2010 17:15 Pump	Water	0.141	13.500	13.000	1.700	0.000
	Remarks: fraced well at customer request.						
23	Mar 11, 2010 17:27 Stop		--	--	--	--	0.000
	Remarks: I.S.I.P of 11mpa, wait for rig to move tools, final feedrate of 300L/min@ 13.5 mpa						
24	Mar 11, 2010 17:30 Wait On Instructions		--	--	--	--	0.000
	Remarks: wait for rig to move tools to next interval						
25	Mar 11, 2010 18:30 Establish Circulation	Water	0.300	4.000	4.000	0.300	0.000
26	Mar 11, 2010 18:33 Pump	15% HCl	0.390	3.000	1.700	4.300	0.000
27	Mar 11, 2010 18:44 Stop		--	1.000	2.000	--	0.000
	Remarks: close unloader						
28	Mar 11, 2010 18:46 Squeeze	15% HCl	0.010	7.000	7.200	0.200	0.000
	Remarks: bump pressure up to 7 mpa, let fall to 3.5 mpa, repeat						
29	Mar 11, 2010 19:00 Squeeze	Water	--	8.000	8.000	0.800	0.000
	Remarks: bump pressure up to 9 mpa, let fall to 7mpa, repeat						
30	Mar 11, 2010 19:35 Stop		--	--	--	--	0.000
	Remarks: move tools, final feedrate of .05m3/min @ 8.5mpa						
31	Mar 11, 2010 19:36 Squeeze	Water	0.071	10.000	10.000	1.000	0.000
	Remarks: final feedrate of .14m3/min @ 10 mpa						
32	Mar 11, 2010 19:50 Stop		--	--	--	--	0.000
	Remarks: move tools						
33	Mar 11, 2010 19:52 Squeeze	Water	0.125	10.000	10.000	1.000	0.000
	Remarks: final feedrate of .14m3/min @ 10 mpa						
34	Mar 11, 2010 20:00 Stop		--	--	--	--	0.000
	Remarks: move tools						
35	Mar 11, 2010 20:03 Squeeze	Water	0.100	10.400	10.200	1.000	0.000
	Remarks: final feedrate of .15m3/min @ 10 mpa						
36	Mar 11, 2010 20:13 Stop		--	--	--	--	0.000
	Remarks: move tools						
37	Mar 11, 2010 20:17 Squeeze	Water	--	12.000	4.300	0.500	0.000
	Remarks: final feedrate of .12m3 @ 10 mpa						
38	Mar 11, 2010 20:32 Stop		--	--	--	--	0.000
	Remarks: move tools						
39	Mar 11, 2010 21:22 Establish Circulation	15% HCl	0.375	3.000	1.400	3.000	0.000
40	Mar 11, 2010 21:30 Displace Fluid	Water	0.325	3.000	1.400	1.300	0.000
41	Mar 11, 2010 21:34 Stop		--	--	--	--	0.000
	Remarks: close unloader						
42	Mar 11, 2010 21:36 Squeeze	Water	--	13.000	2.000	--	0.000
	Remarks: unable to establish feedrate						

43	Mar 11, 2010 22:07	Stop		—	2.000	0.000	—	0.000
	Remarks: move tools .5m							
44	Mar 11, 2010 22:08	Squeeze	Water	—	10.000	0.000	—	0.000
	Remarks: unable to establish feedrate							
45	Mar 11, 2010 22:13	Stop		--	2.000	0.000	--	0.000
	Remarks: move tools .5m							
46	Mar 11, 2010 22:14	Squeeze	Water	0.050	13.000	9.800	1.000	0.000
	Remarks: final feedrate of .13m3/min @ 10 mpa							
47	Mar 11, 2010 22:34	Stop		—	--	--	--	0.000
	Remarks: move tools							
48	Mar 11, 2010 22:34	Squeeze	Water	0.117	11.000	10.000	2.000	0.000
49	Mar 11, 2010 22:51	Over Flush	Water	0.166	10.000	10.000	0.500	0.000
	Remarks: final feedrate of .17m3/min @ 11mpa							
50	Mar 11, 2010 22:54	Stop		—	--	--	--	0.000
51	Mar 11, 2010 22:56	Rig Out		--	--	--	--	0.000

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (m³) :

Temperature (°C) : --

FDAS Functioning Correctly : Yes

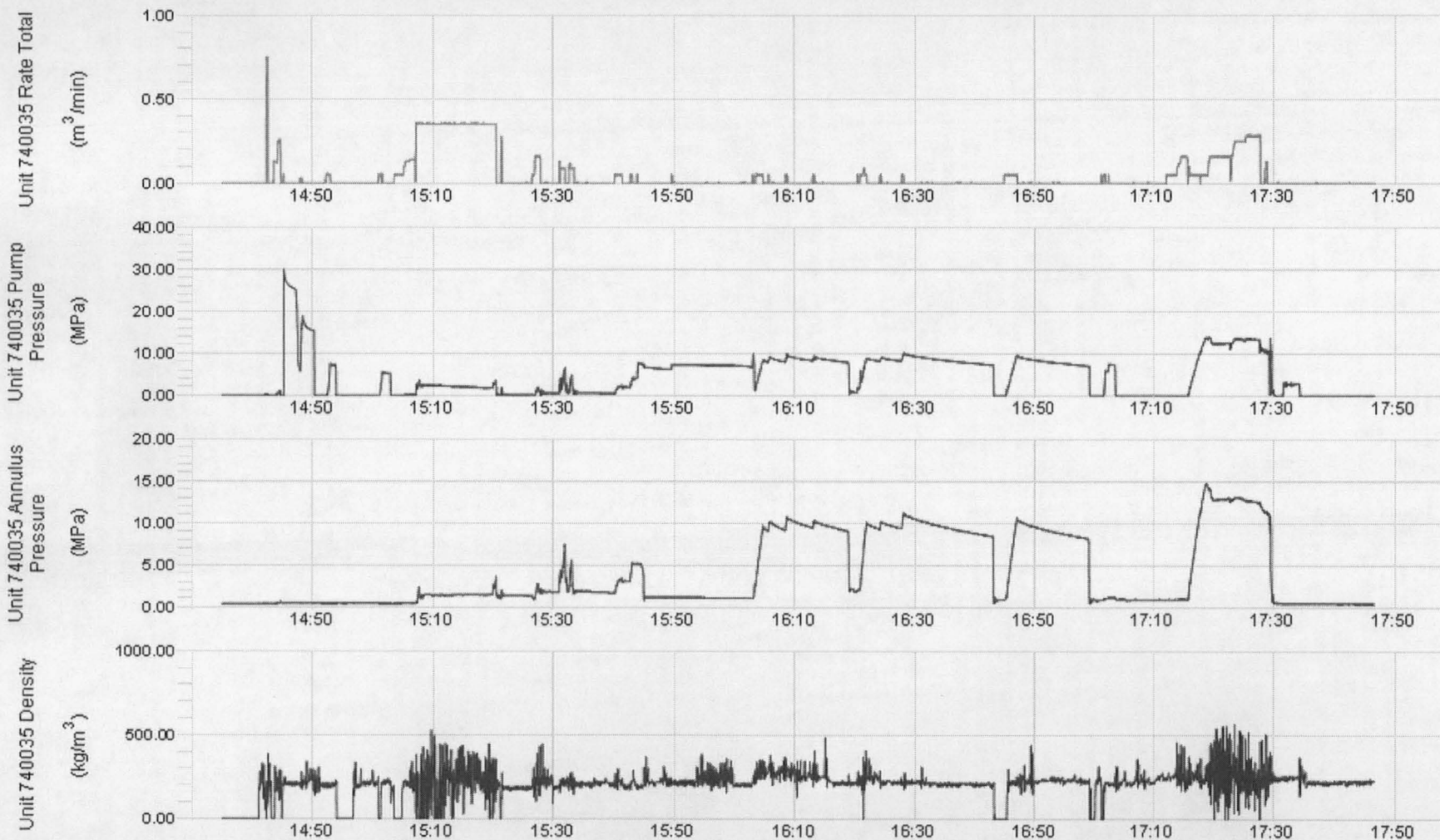
Material Transfer Sheet Number

Material Transfer Sheet Number

175406

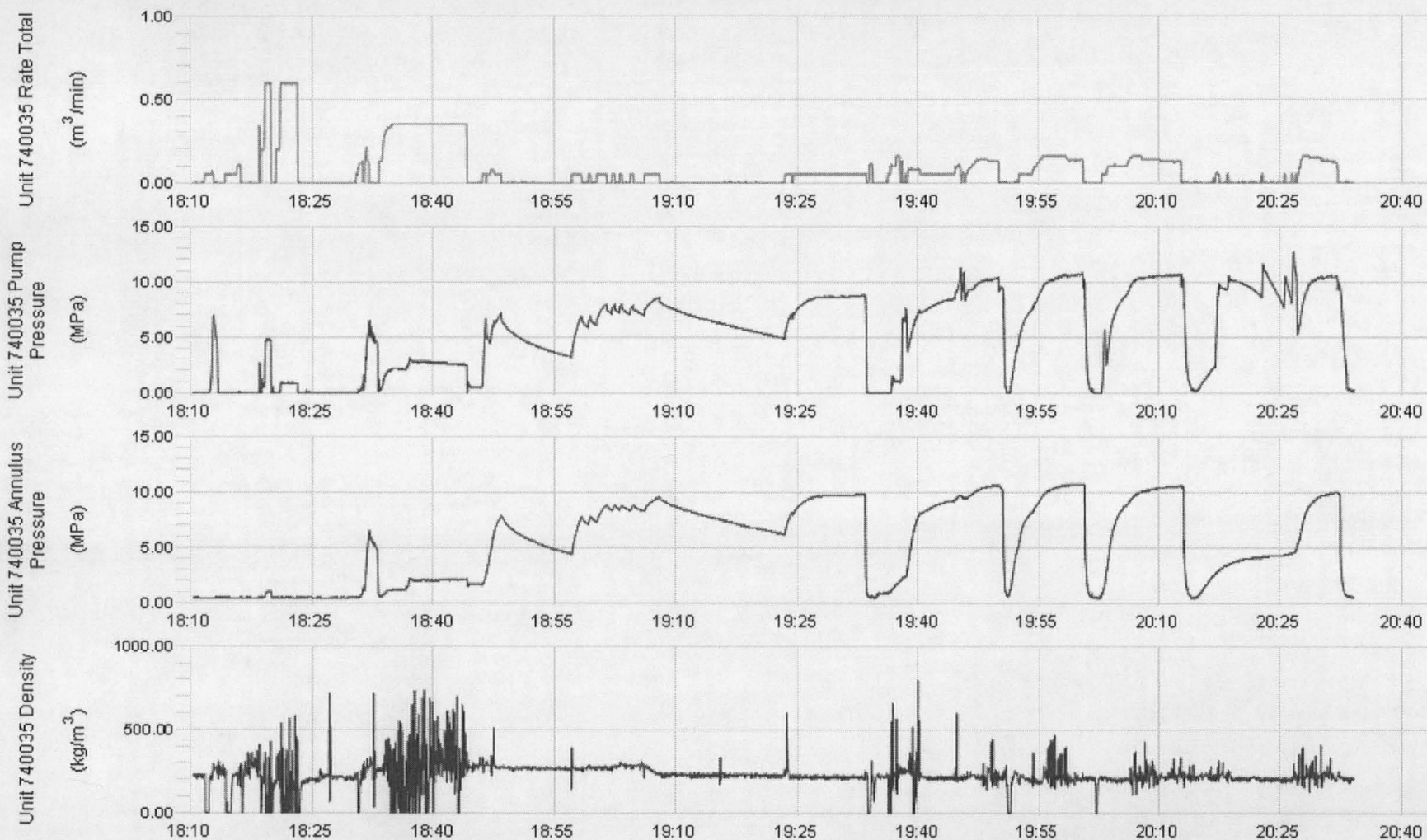


Client	paramount	Client Rep	kim Mcleod	Supervisor	rocky juneau
Ticket No.	333563	Well Name	parsa ea la cameron	Unit No.	740035
Location	N-06	Job Type	Selective Acid	Service District	highlevel
Comments				Job Date	03/11/2010



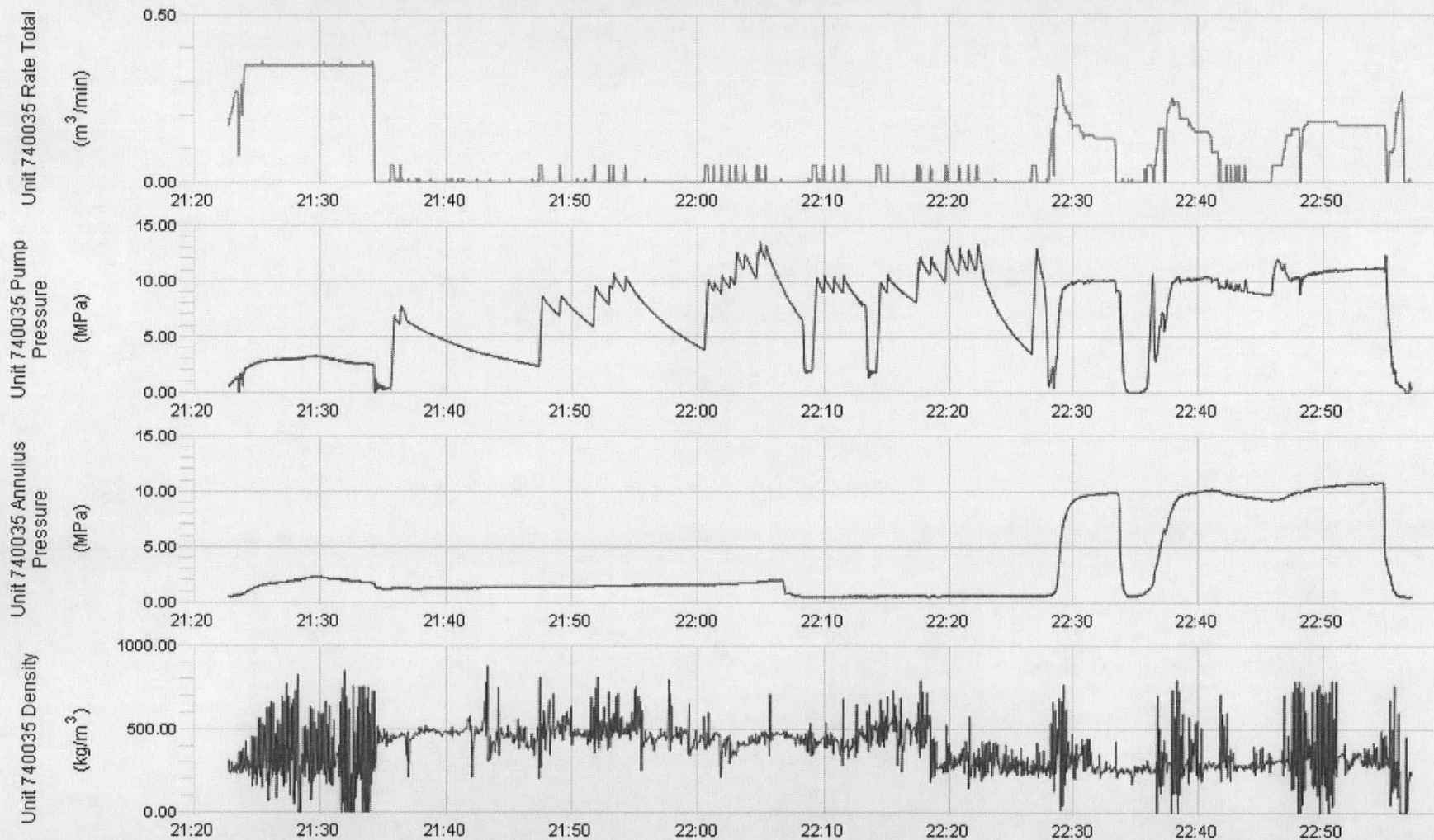


Client	paramount	Client Rep	kim Mcleod	Supervisor	rocky juneau
Ticket No.	333563	Well Name	parsa ea la cameron	Unit No.	740035
Location	N-06	Job Type	Selective Acid	Service District	highlevel
Comments				Job Date	03/11/2010





Client	paramount	Client Rep	kim Mcleod	Supervisor	rocky juneau
Ticket No.	333563	Well Name	parsa ea la cameron	Unit No.	740035
Location	N-06	Job Type	Selective Acid	Service District	highlevel
Comments				Job Date	03/11/2010



Client Name Paramount Resources Ltd.	Well Name Parsa et al Cameron	Job Date March 12, 2010	Call Sheet 113334
Client Representative Kim	Location N-06	Job Type Selective Acid	

Well Profile

Well Type: Oil

Maximum Treating Pressure (MPa): —

Predicted Bottom Hole Static Temperature (°C): — @ —

Bottom Hole Circulating Temperature (°C): — @ —

Bottom Hole Logged Temperature (°C): — @ —

Casing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Internal Yield Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
139.70	20.83	J-55	22.000	29.000	—	127.300	153.670	—	—

Tubing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
73.03	9.67	J-55	53.000	—	62.000	93.170	—	—

Products

Stage 1

From Depth(m) : 0

To Depth(m) :

Fluid & Cement Data

Expected Cement Top :

Wellbore Fluids

Fluid Type	Viscosity(cP)	Density(kg/m³)	Yield Point(mPa-s)	Temperature(°C)	Recorded @
Water	—	1000.000	—	—	Jan 16, 2010 14:45

Attachment & Tools

Down Hole Tools

Tool Type	Depth(m)	Supplier
Selective Injection Packer	—	Third Party

Units & Personnel

Units

Requested Time On Location : Mar 12,2010 8:00

Unit #	Main Type	Sub Type	On Location Date	Off Location Date
740035	BODY JOB	C & A	Mar 12,2010 9:00	Mar 12,2010 9:30
200407	PICKUP	1/2 Ton	Mar 12,2010 9:00	Mar 12,2010 9:30

Crew and Bonuses

<u>Employee</u>	<u>On Location</u>	<u>Off Location</u>
Utri, Gregory	Mar 12,2010 9:00	Mar 12,2010 9:30
Juneau, Rocky	Mar 12,2010 9:00	Mar 12,2010 9:30
Fundytus, Darcy	Mar 12,2010 9:00	Mar 12,2010 9:30

Third Party

<u>Service Name</u>	<u>Equipment #</u>	<u>Unit On Location Time</u>	<u>Unit Off Location Time</u>
Seawards Oilfield service Ltd		—	—

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (m ³ /min)	Tubular Pressure (MPa)	Annular Pressure (MPa)	Stage Volume (m ³)	Total Volume (m ³)
1	Mar 12, 2010 9:00	Arrive On Location		--	--	--	--	0.000
2	Mar 12, 2010 10:30	N/A		--	--	--	--	0.000
Remarks: customer releases pumper from location, job postponed for one day								
Did Float Hold:		Not Applicable						
Fluid Returns :		Not Expected						
Type :								
Volume (m ³) :								
Temperature (°C) :		--						
FDAS Functioning Correctly :		Not Applicable						

Client Name Paramount Resources Ltd.	Well Name Parsa et al Cameron	Job Date March 13, 2010	Call Sheet 113374
Client Representative Kim	Location N-06	Job Type Selective Acid	

Well Profile

Well Type:	Oil
Maximum Treating Pressure (MPa) :	---
Predicted Bottom Hole Static Temperature (°C) :	--- @ --
Bottom Hole Circulating Temperature (°C) :	--- @ --
Bottom Hole Logged Temperature (°C) :	--- @ --

Casing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Internal Yield Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
139.70	20.83	J-55	22.000	29.000	--	127.300	153.670	--	--

Tubing

Size (mm)	Weight (kg/m)	Grade	Collapse Pressure(MPa)	Capacity (m³)	I.D. (mm)	O.D. (mm)	Depth From(m)	Depth To(m)
73.03	9.67	J-55	53.000	--	62.000	93.170	--	--

Products

Stage 1

From Depth(m) : 0

To Depth(m) :

Acids/Blends/Fluids :

Treatment Acid: 5 m3 of 15% HCl, Density = 1070 kg/m³
 + 6 l/m3 of Al-4 (Preblend),
 + 6 l/m3 of ASA-3 (Preblend),
 + 1 l/m3 of D-2 (Preblend),
 + 11 kg/m3 of ICA-7 (Preblend),
 + 0.5 l/m3 of DF-1 (water and acids) (Preblend),
 + 2 l/m3 of SI-14, scale inhibitor (Preblend)

Displacement: 40 m3 of KCl Water, Density = 1024 kg/m³

Fluid & Cement Data

Expected Cement Top :

Wellbore Fluids

Fluid Type	Viscosity(cP)	Density(kg/m³)	Yield Point(mPa-s)	Temperature(°C)	Recorded @
Water	--	1000.000	--	--	Jan 16, 2010 14:45

Attachment & Tools

Down Hole Tools

Tool Type	Depth(m)	Supplier
Selective Injection Packer	--	Third Party

Units & Personnel

Units

Requested Time On Location : Mar 13,2010 8:00

Unit #	Main Type	Sub Type	On Location Date	Off Location Date
740035	BODY JOB	C & A	Mar 13,2010 9:00	Mar 14,2010 8:00
200407	PICKUP	1/2 Ton	Mar 13,2010 9:00	Mar 14,2010 8:00

Crew and Bonuses

Employee	On Location	Off Location
Juneau, Rocky	Mar 13,2010 9:00	Mar 14,2010 8:00
Delabays, Philippe	Mar 13,2010 9:00	Mar 14,2010 8:00
Utri, Gregory	Mar 13,2010 9:00	Mar 14,2010 8:00
Fundytus, Darcy	Mar 13,2010 9:00	Mar 14,2010 8:00

Third Party

Service Name	Equipment #	Unit On Location Time	Unit Off Location Time
Seawards Oilfield service Ltd		-	-

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (m ³ /min)	Tubular Pressure (MPa)	Annular Pressure (MPa)	Stage Volume (m ³)	Total Volume (m ³)
1	Mar 13, 2010 9:00	Arrive On Location		--	--	--	--	0.000
2	Mar 13, 2010 9:00	Wait On Instructions Remarks: wait for rig to finish well preparation before sanjel can rig onto wellhead		--	--	--	--	0.000
3	Mar 13, 2010 22:00	Safety Meeting		--	--	--	--	0.000
4	Mar 14, 2010 0:34	Establish Circulation	KCl Water	0.100	0.000	0.000	0.100	0.000
5	Mar 14, 2010 0:36	Pressure Test	KCl Water	--	--	--	--	0.000
6	Mar 14, 2010 0:42	Pressure Test Remarks: pressure test testers lines	KCl Water	--	--	--	--	0.000
7	Mar 14, 2010 0:53	Pump	15% HCl	0.285	2.500	1.500	2.000	0.000
8	Mar 14, 2010 1:01	Displace Fluid	KCl Water	0.360	2.500	1.500	2.200	0.000
9	Mar 14, 2010 1:06	N/A Remarks: close unloader		--	--	--	--	0.000
0	Mar 14, 2010 1:58	Squeeze Remarks: bump up to 7 mpa, let pressure fall to 6 mpa, repeat	KCl Water	0.020	7.000	1.000	1.000	0.000
11	Mar 14, 2010 1:58	N/A Remarks: move tools, time change, jump ahead an hour,		--	2.000	1.000	--	0.000
12	Mar 14, 2010 3:06	Squeeze Remarks: unable to get a break	KCl Water	--	10.000	1.100	--	0.000
13	Mar 14, 2010 4:21	N/A Remarks: move tools back to bottom zone		--	1.000	1.000	--	0.000
14	Mar 14, 2010 4:25	Squeeze Remarks: unable to get a break	KCl Water	--	10.000	1.100	1.000	0.000
15	Mar 14, 2010 4:57	N/A Remarks: move tools to upper zone		--	--	--	--	0.000
16	Mar 14, 2010 5:01	Squeeze	KCl Water	--	--	--	--	0.000
17	Mar 14, 2010 5:15	N/A Remarks: unable to squeeze, move tools		--	0.000	0.000	--	0.000
18	Mar 14, 2010 6:00	Establish Circulation	KCl Water	--	0.000	0.000	0.500	0.000
19	Mar 14, 2010 6:06	Pump	15% HCl	--	2.800	1.900	3.000	0.000
20	Mar 14, 2010 6:14	Displace Fluid	KCl Water	0.350	2.800	1.900	1.000	0.000
21	Mar 14, 2010 6:17	Stop Remarks: close unloader		--	--	--	--	0.000

22	Mar 14, 2010 6:18	Squeeze	KCl Water	0.107	1.400	2.400	3.000	0.000
	Remarks: final feedrate of .2m3/min @ .4mpa							
23	Mar 14, 2010 6:46	Stop		—	0.000	1.200	—	0.000
24	Mar 14, 2010 7:00	Rig Out		—	--	--	--	0.000

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (m³) :

Temperature (°C) : --

FDAS Functioning Correctly : Yes

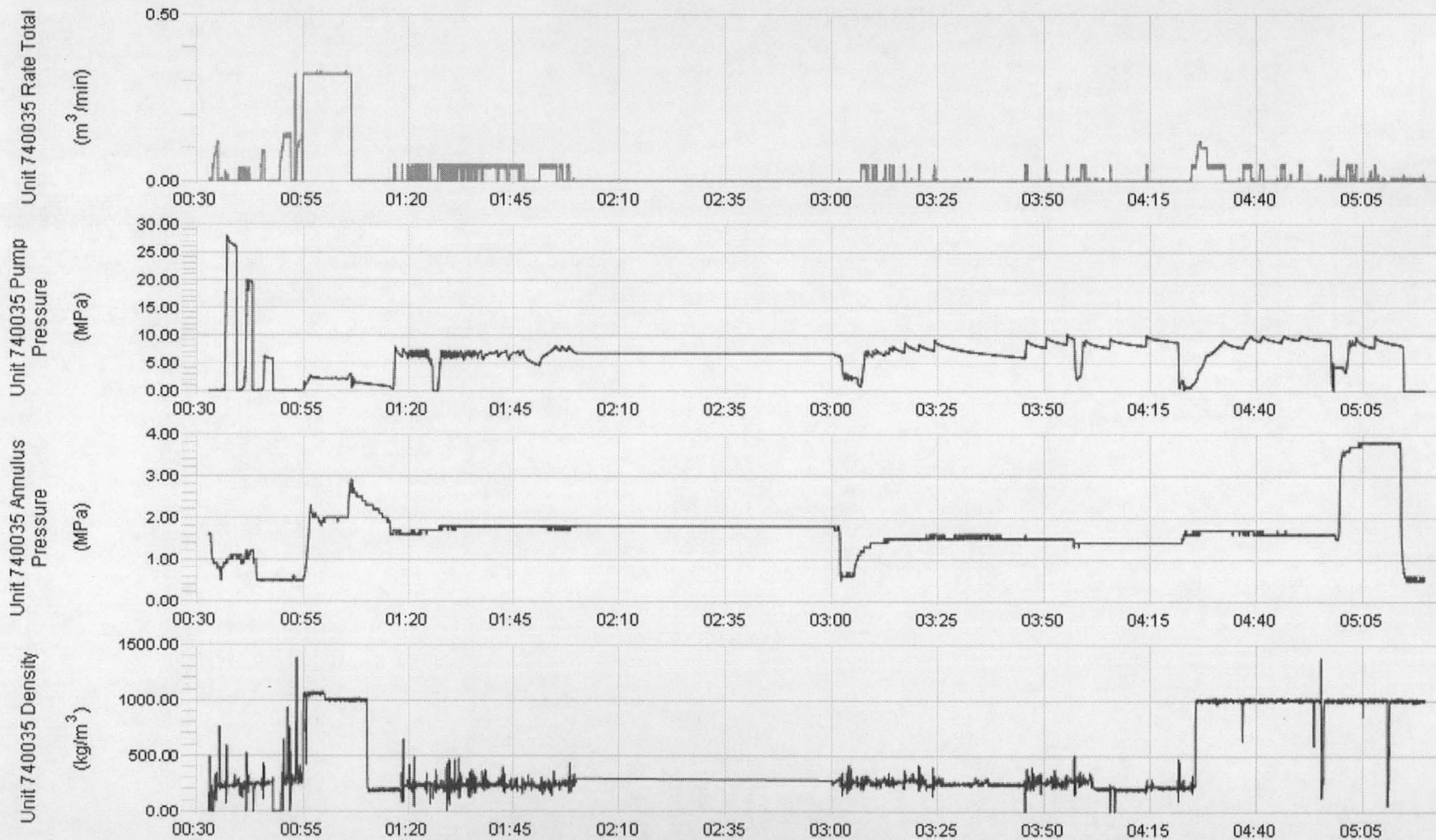
Material Transfer Sheet Number

Material Transfer Sheet Number

175407



Client	Paramount Resources	Client Rep	Kim Mcleod	Supervisor	Rocky Juneau
Ticket No.	333565	Well Name		Unit No.	740035
Location	N-06	Job Type	Selective Acid	Service District	High Level
Comments				Job Date	03/14/2010





Client	Paramount Resources	Client Rep	Kim Mcleod	Supervisor	Rocky Juneau
Ticket No.	333565	Well Name		Unit No.	740035
Location	N-06	Job Type	Selective Acid	Service District	High Level
Comments				Job Date	03/14/2010

