

**Final Well Report
Paramount Resources Ltd.
Para et al Cameron F-77
WID 2065**

DM 561738

NATIONAL ENERGY BOARD
Exploration and Production

JUN 28 2010

N E B COPY

FINAL WELL REPORT

PARAMOUNT RESOURCES LTD.

PARA ET AL CAMERON F-77

Grid: 60° 10' 117° 15'

WID 2065

UWI 300F776010117150

DATE: June 16, 2010

COMPANY REPRESENTATIVE:
Dick Heenan, P. Eng.

TABLE OF CONTENTS

	Page
A. INTRODUCTION	Page
Executive Summary	1
Completions Summary.....	1
Locality Map	2
 B. GENERAL DATA	
Well Name.....	3
Well Identification Number.....	3
Production License	3
Surface Coordinates	3
Unique Well Identifier.....	3
Contractor.....	3
Drilling Unit	3
Position Keeping	3
Support Craft	3
Drilling Unit Performance.....	3
Difficulties and Delays.....	3
Total Well Cost	3
Bottom Hole Co-ordinates.....	4
 C. SUMMARY OF DRILLING OPERATIONS	
Elevations	5
Total Depth.....	5
Date and Hour Spudded	5
Date of Rig Release	5
Well Status	5
Hole Sizes and Depths (inc conductor record).....	5
Casing and Cementing Record	5
Sidetracked Hole	6
Drilling Fluid.....	6
Fishing Operations	6
Well Kicks and Well Control Operations.....	6
Formation Leak Off Tests	6
Time Distribution	7
Deviation Survey	7
Abandonment Plugs	7
Composite Well Record	7
Wellhead.....	7
Completion Record.....	8

	Page
D. GEOLOGY	Page
Geological Summary	9
Tops	9
Gas Detection Report.....	9
Drill Stem Tests	9
Well Evaluation	9
Completion & Testing Data.....	10
E. ENVIRONMENTAL SUMMARY	10
Weather Summary	10
Environmental Protection	10
Waste Handling.....	10
Spills	11
F. ATTACHMENTS TO WELL HISTORY REPORT.....	12
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	

A. INTRODUCTION

Executive Summary

Paramount Resources Ltd. (Paramount) drilled Para et al Cameron F-77 as 1422 meter vertical well. The well was spudded 20100206 01:00 and the drilling rig was released on 20100215 08:00. 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 #254.

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 380 mKB. Other than minor losses @ 152-172m and , there were no significant drilling events on surface hole. A string of 219 mm surface casing was run to and cemented.

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 1500 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. No significant losses were encountered. Five hours circulating and a wiper trip were needed to clean the hole @ TD. The well drilled to TD without any other significant incidents.

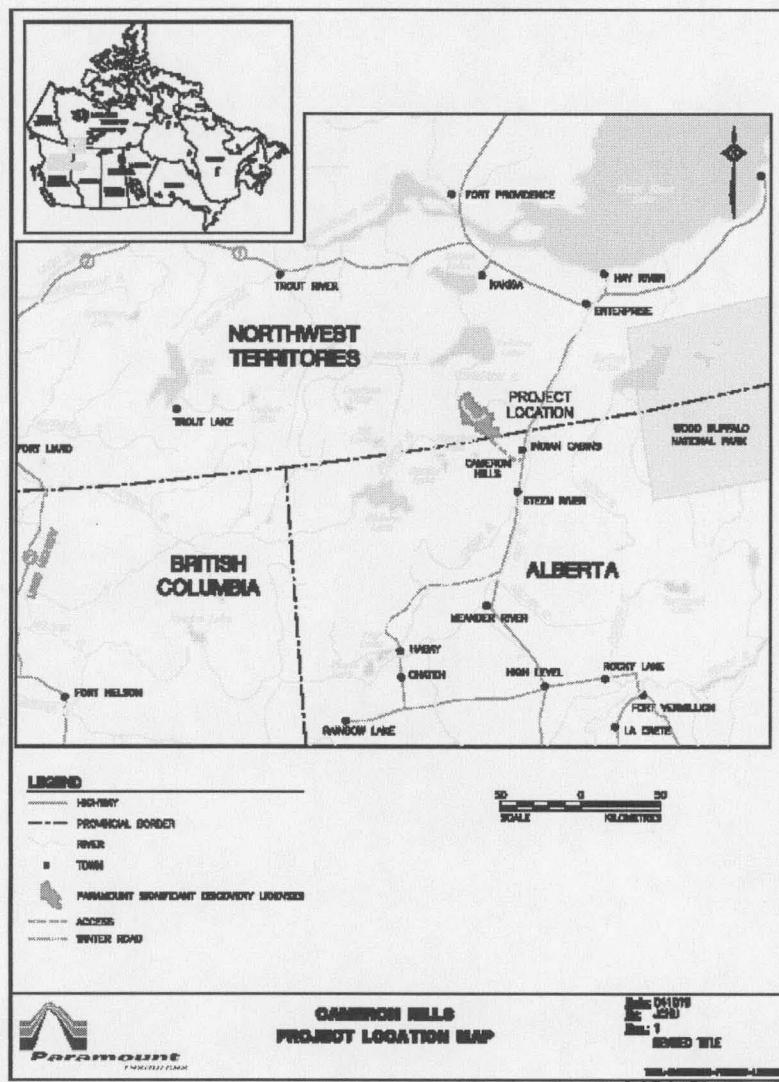
Weatherford Wireline ran induction, density, dipole sonic, and micro-resistivity logs from bottom to surface casing. (1.5m fill was encountered on wiper trip – loggers tagged 11m fill).

Production casing (139.7 mm) was run and set and cemented at 1417 mMD.

Completions Summary

The well was perforated in Sulphur Pt. The zone proved extremely tight, and the fluid that was produced was essentially all water. The tubing was removed, and the well suspended with bridge plug and 30 meters of cement. The wellhead was left in place.

Locality Map – Cameron Hills NWT



B. GENERAL DATA

1. Well Name: Para et al Cameron F-77

Well Identification Number (WID): 2065

Production License: PL-019

Location Unit: F

Section: 77

Grid Area: 60° 10' 117° 15'

Classification: Delineation

2. Surface Coordinates:

Latitude: 60° 06' 23.3"

Longitude: 117° 29' 4.7"

3. Unique Well Identifier: 300F776010117150

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.

11. Total Well Cost:

Drilling \$1,040,000

Completion \$ 180,000

12. Bottom Hole Co-ordinates:

Assumed as vertical well

Latitude: $60^{\circ} 06' 23.3''$

Longitude: $117^{\circ} 29' 4.7''$

C. SUMMARY OF DRILLING OPERATIONS

1. Elevations:
Ground: 722.0 m above sea level (final "as built" survey)
KB: 726.6 m above sea level
KB to Casing Flange: 4.6 m
2. Total Depth: 1421.6 mMD
3. Date and Hour Spudded: 20100206 01:00
4. Date of Rig Release: 20100215 08:00
5. Well status: Cased and Suspended
6. Hole Sizes and Depths:
Conductor Hole: 610 mm to 24.4 m
(Formations in conductor) 0 – 1.2 mGL – snow
1.2 – 24.4 mGL - solid clay & rock – no water
Permafrost reported to 10.7m
Surface Hole: 311 mm to 379 mKB
Main Hole: 200 mm to 1421 mMD
7. Casing and Cementing Record:
Conductor Hole:
Casing Size: 406 mm
Depth Set: 24.8 m
Cement Volume: 100 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: 379 mKB
Cement Volume: 33 Tonnes
Cement Type: Class 'G'
Additives: 1.5% CaCl₂
Celloflake
Cement Returns: 5m³ to surface
Bumped Plug: 7MPa

Main Hole:
Casing Size: 139 mm
Casing Weight: 20.8 kg/m
Casing Grade: J-55
Thread: ST&C

Depth Set: 1417 mMD
 Plug Back Depth: 1403 mMD
 Cement Volume 1: 23.9 Tonnes
 Cement Type 1: Thixlite
 Additives 1: 0.04% LTR
 Cement Volume 2: 8 Tonnes
 Cement Type 2: Expandomix LWL
 Additives 2: 0.15% CFL-3 + 0.3% LTR.
 Cement Returns: 0.5m3
 Bumped Plug: 15.5 MPa

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: 33-40 sec/L Weight: 1050 - 1060 kg/m ³ PH: 8.0
Remarks:	Gravel, rocks, loose sand 30-120m Foaming & sticky natural clays
Main (379– 1000 m):	Floc water
Properties:	Viscosity: 28-58 sec/L Weight: 1000 - 1450 kg/m ³ PH: 8.0 - 10
	Remarks: No lost circulation in Wabamun
Main (1000 m – TD):	Shure Shale/PHPA
Properties:	Viscosity: 32 - 37 sec/L Weight: 1040 - 1050 kg/m ³ PH: 9.0 – 10.5
	Remarks: Lots of fill on bottom

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 Down by Activity:

IADC Code	Activity	Hours	Percentag e
1	Move in / rig up:	39.0	12.5
2	Drill	98.2	31.5
3	Ream	0	0
4			
5	Circulate and condition mud:	14.0	4.5
6	Trip	30.2	9.7
7	Rig Service	6	1.9
8	Repair Rig	0	0.0
9	Slip & cut line	1.8	0.6
10	Survey	6.8	2.2
11	Wireline logs	9.2	2.9
12	Casing & Cement	13.5	4.3
13	WOC	5.8	1.8
14	Nipple up	13.2	4.2
15	Test BOP	7.5	2.4
16	Drillstem Test		
17			
18	Squeeze Cement	0	0
19			
20	Directional Work	0	0
21	Safety Meeting	11.0	3.5
22	Tear out	21.5	6.9
23	Wait on (other than cement)	0	0
24			
25	Other (diverter install, W/O license, etc)	34.2	11.0

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:

Currently perforated in Sulphur Pt Dolomite and suspended with bridge plug and 30 meters of cement

Completion Operations

- Moved in & rigged up Concord 41 service rig, test equipment & flare stack on 20100228
- 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 (negligible pressure response)
 - Sulphur Pt Dolomite 1366-1370 mKB
- Swab & evaluate – negligible fluid (0.84 m³ – 15% oil) – fluid subsequently turned to 100% water
- Pull 73mm tubing
- Suspend well with bridge plug set @ 1361mKB and topped with 30m cement
- Released completion rig 201003204

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

D: GEOLOGY

Formation Tops

FORMATION	PROGNOSIS TOPS		SAMPLE/LOG TOPS		COMMENTS
MSL-RKB: 725.92m	m TVD	m SubSea	m TVD	m SubSea	m Isopach
Wabamun FM	498.92	228.00	495.50	230.42	169.00
Jean Marie Mbr	655.92	70.00	664.50	61.42	6.00
Fort Simpson Fm	662.92	63.00	670.50	55.42	110.00
Twin Falls Fm	780.92	-55.00	780.50	-54.58	159.00
Hay River Fm	941.92	-216.00	939.50	-213.58	333.00
Beaverhill Lake Fm	1275.92	-550.00	1272.5	-546.58	23.00
Slave Point Fm	1297.92	-572.00	1295.5	-569.58	41.00
F4 Marker Fm	1338.92	-613.00	1336.5	-610.58	10.00
Watt Mountain Fm	1346.92	-621.00	1346.0	-620.08	4.50
Sulphur Pt Ls Fm	1351.92	-626.00	1350.5	-624.58	9.50
Sulphur Pt Dol	1361.92	-636.00	1359.5	-633.58	11.50
Muskeg Fm	1373.92	-648.00	1371.0	-645.08	49.00
Total Depth	1393.92	-668.00	1420.0	-694.08	-

(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:	378 - 1408 mMD
Spectral Density Compensated Neutron Log:	0 - 1389 mMD
Dipole Sonic Log:	378 - 1396 mMD
Micro-Resistivity Log:	1250 - 1377 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

E. ENVIRONMENTAL CONSIDERATIONS

There are no known outstanding environmental considerations on this well.

WEATHER SUMMARY

Typical winter weather for Northern Alberta & the southern NWT was encountered during the drilling & completion of this well. After an unseasonably warm November, cold weather and snow facilitated construction of winter snow roads in December. During drilling (early February), temperatures ranged from -8C to -20C. Conditions were generally clear and calm. During completions (early March) temperatures were warmer (-5 - -10C), but the longer hours of daylight softened the roads and road travel was limited to night time.

ENVIRONMENTAL PROTECTION

Fuel tanks were all double walled.

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

There were no spills 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” operations in the NWT, and the transient nature of the upstream petroleum workforce. There was one reportable spill (10-038).

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-08 60⁰ 10' N, 117⁰ 30' W where they were disposed of in cell ‘B’ 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.

Solid waste was segregated, stored in covered bins, hauled to Ft Nelson by a waste handling and recycling company.

SPILLS

There was one reportable spill (10-038) on the drilling location consisting of 0.25 m³ drilling mud. This spill occurred when a vacuum hose contacted a valve and accidentally opened it. Most of the mud was sucked up immediately with a vacuum truck. Remaining material was scraped up when the rig was moved. Mud along with contaminated snow was stored in the steel "shale bin" and was reprocess into the mud system on the next well.

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

PARAMOUNT RESOURCES LTD.

Existing

DOWNHOLE DIAGRAM



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
 F.O.B. Point Edmonton
F.C.A. Point
Quotation Validity: 45 days
Account Representative: Al Stratulate

Quotation 10-16881 Rev 0

Item	Qty	Part No	Description	Unit Price	Total
			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, 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), 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					
<u>Item</u>	<u>Qty</u>	<u>Part No</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
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 issued 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 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 of VGC.

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 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 resultant 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, directly 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 or 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

8. Cancellation or Rescheduling of Orders

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.

11. Packaging/Insurance

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.

12. Changes and Modifications in Design

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, 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. 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.

15. Consular Documents and Declarations

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.

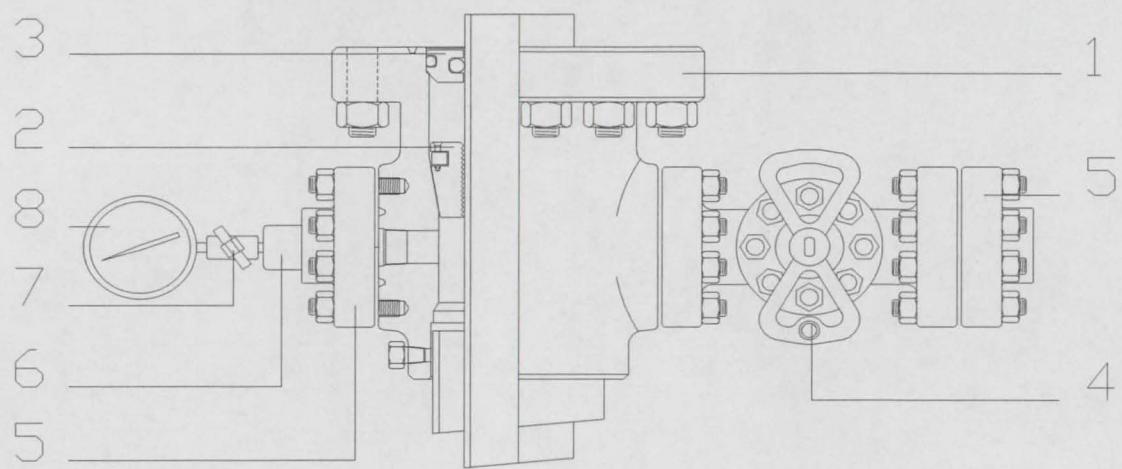
16. Force Majeure

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, walkout 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
 F.O.B. Point Edmonton
 F.C.A. Point
Quotation Validity: 45 days
Account Representative: Al Stratulate

Quotation 10-16880 Rev 0

Item	Qty	Part No	Description	Unit Price	Total
			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), 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, 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		STUDDED TEE, 2-9/16 5000 (65.1mm34.5MPa) RISE X 2- 1/16 5000 (52.4mm34.5MPa) RUN, 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, 19TH ED., TC L-U, MC DD, PR-1, PSL-1 API 6A	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 issued on assembly, test and paint.

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

Expendable items such as nipples, ring gaskets and boarings 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 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 of VGC.

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 reinstatement. 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 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, directly 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 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 or 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

8. Cancellation or Rescheduling of Orders

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.

11. Packaging/Insurance

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.

12. Changes and Modifications in Design

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.

15. Consular Documents and Declarations

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

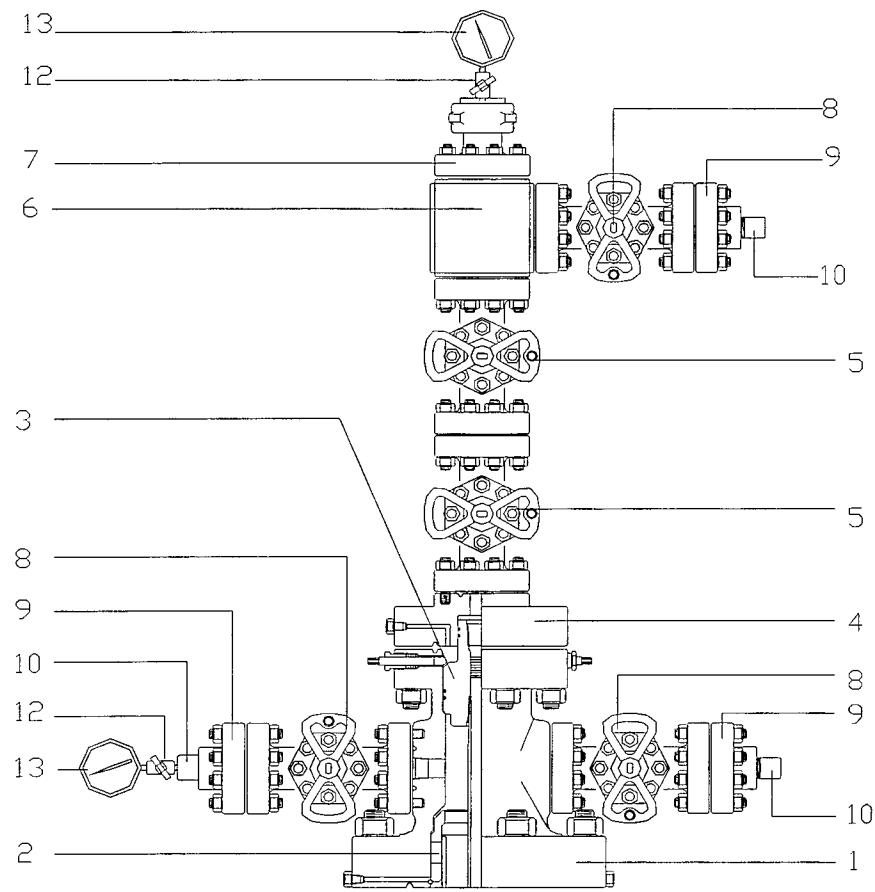
If the Purchaser or VGC is prevented, directly or indirectly, from carrying out the provisions of this Agreement by reason of any act of God, war, revolution, blockade, strike, riot, earthquake, cyclone or flood, or delay by carrier, fuel shortage, embargo, walkout or other labor disturbance, actual 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.



WELL SUMMARY

OPERATOR	:	<i>PARAMOUNT RESOURCES LTD.</i>
WELL NAME	:	<i>PARA ET AL CAMERON F-77</i>
UWI	:	<i>300-F77-6010-117150</i>
WELL LICENSE	:	<i>1221</i>
AFE	:	<i>09NO10009</i>
FIELD	:	<i>Cameron Hills</i>
SURFACE LOCATION	:	<i>Unit: F Section: 77</i> <i>Grid Area: 60° 10' N 117° 15' W</i>
SURFACE COORDINATES	:	<i>Latitude: 60° 06' 29.3" N</i> <i>Longitude: 117° 29'4.7" W</i>
DRILLING RIG	:	<i>Precision Drilling Rig# 245</i>
DRILLING CONTRACTOR	:	<i>Precision Drilling.</i>
WELL TYPE	:	<i>Vertical Development Well</i>
RKB - MSL	:	<i>725.92m</i>
MSL - GL	:	<i>721.17m</i>
SPUD DATE	:	<i>February 06, 2010.</i>
DATE TD REACHED	:	<i>February 12, 2010.</i>
DATE RIG RELEASED	:	<i>February 17, 2010.</i>
TD DEPTH	:	<i>1420.0m MBRT (-694.08m SS)</i>
TD COORDINATES	:	<i>Latitude: 60° 06' 29.3" N</i> <i>Longitude: 117° 29'4.7" W</i>
HOLE SIZE	:	<i>311.0mm 379.0m RKB</i> <i>200.0mm 1420.0m RKB.</i>
SAMPLE INTERVALS	:	<i>740m to 980m @ 5m Intervals 1 Set.</i> <i>1225m - TD @ 5m Intervals 2 Sets.</i> <i>1225m - TD Unwashed Spl 1 Set.</i>
DRILLING FLUID	:	<i>Surface Hole: Polymer</i> <i>Main Hole: Floc Water & Polymer.</i>
WELL STATUS	:	<i>Cased for Production Testing.</i>
STRIKE AREA	:	<i>South Great Slave Lake</i>
REGION	:	<i>NWT Mainland</i>

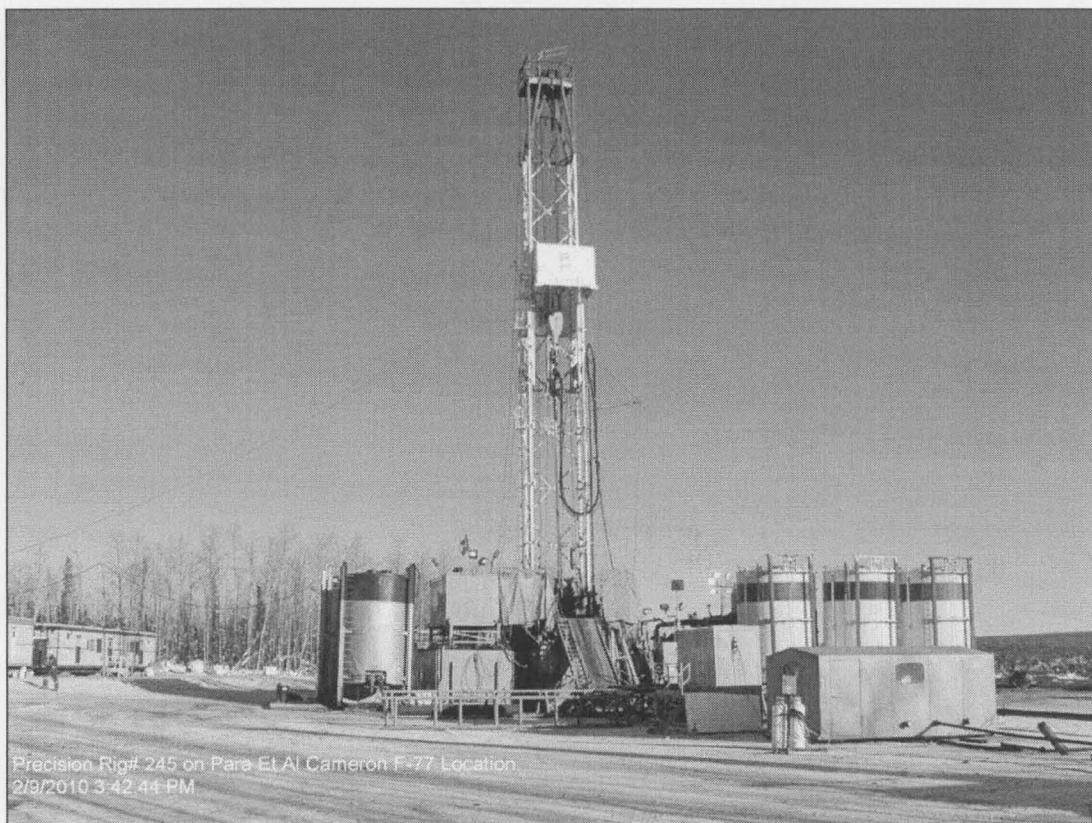


Photo 1: Precision Rig# 245 on Para Et Al Cameron F-77 Location.

WELL ABSTRACT

The **Para Et al Cameron F-77** well is located in Unit F, Section 77 and Grid 60° 10' 00" N and 117° 15' 00" W at the surface co-ordinates of 60° 06' 29.3" N and 117° 29' 04.7" W6 of Cameron Hills in the Northwest Territory.

The proposed **Cameron F-77** 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 reservoir characteristic of these formations in the **Cameron Hills**.

The well is spudded at 01:00hrs on the February 06, 2010. Drilling of 311mm hole from surface to 379m is completed using one rock Bit# 1RR1 in 29.0 on bottom bit hours. 219.1mm surface casings are run in setting the shoe at 379m and cemented with Sanjel as per program. Polymer mud is used for drilling the surface hole.

Unabated drilling of 200mm main hole reached TD of the well to 1420m RKB (-694.08m SS) in 64.75 on bottom bit hours using one Reed PDC bit. The TD is reached at 18:25 hrs of February 12, 2010. +/- 47m are drilled into the **Muskeg** formation as to have good rat hole for logging and production facilities. 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 in wireline logs. The open hole logging is completed by Weatherford Logging Services. Run# 1: STI/SPeD/CNS/GR/MRT/HBC/CAL tools are run in. A 10m fill is encountered during logging. The production casings 139.7mm are run in and shoe is set at 1468.0m RKB

The Geological target tops and bases of the well, hydrocarbon bearing zones and formations are encountered very much closed to the prognosis. 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 geology section in the Strip Log gives a brief representation of the individual stratigraphic formations.

The **Slave Point** Formation is anticipated at 1296.0m RKB (-570.08m SS) and is 40.50m thick. Maximum 331/121 units and 741/121 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 **Slave Point** formation is little tight but possesses all properties of a good reservoir. The **Slave Point** looks to be very prominent from the porosity, gas shows and sample fluorescence showing better reservoir potentialities for commercial production.

The **Sulphur Point** limestone section is identified at 1351.0m RKB (-625.08m SS) and followed by the dolomite section at 1360.0m RKB (-634.08m SS). The dolomite section is 11.0m thick. Maximum 578/69 units formation gas is recorded in the dolomite section with oil shows.

The well is for cased for production testing with viable possibilities of commercial production from the **Slave Point** and the **Sulphur Point** dolomite section. 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
	m TVD	m SubSea	m Isopach
MSL – RKB: 725.92m			
Wabamun FM	498.92	228.00	495.50
Jean Marie Mbr	655.92	70.00	664.50
Fort Simpson Fm	662.92	63.00	670.50
Twin Falls Fm	780.92	-55.00	780.50
Hay River Fm	941.92	-216.00	939.50
Beaverhill Lake Fm	1275.92	-550.00	1272.50
Slave Point Fm	1297.92	-572.00	1295.50
F4 Marker Fm	1338.92	-613.00	1336.50
Watt Mountain Fm	1346.92	-621.00	1346.00
Sulphur Pt Ls Fm	1351.92	-626.00	1350.50
Sulphur Pt Dol	1361.92	-636.00	1359.50
Muskeg Fm	1373.92	-648.00	1371.00
Total Depth	1393.92	-668.00	1420.00
			-694.08

FORMATION EVALUATION

Slave Point Formation
Paleozoic, Middle Devonian
Age: 370 million years
Well: Para Et Al Cameron F-77

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.

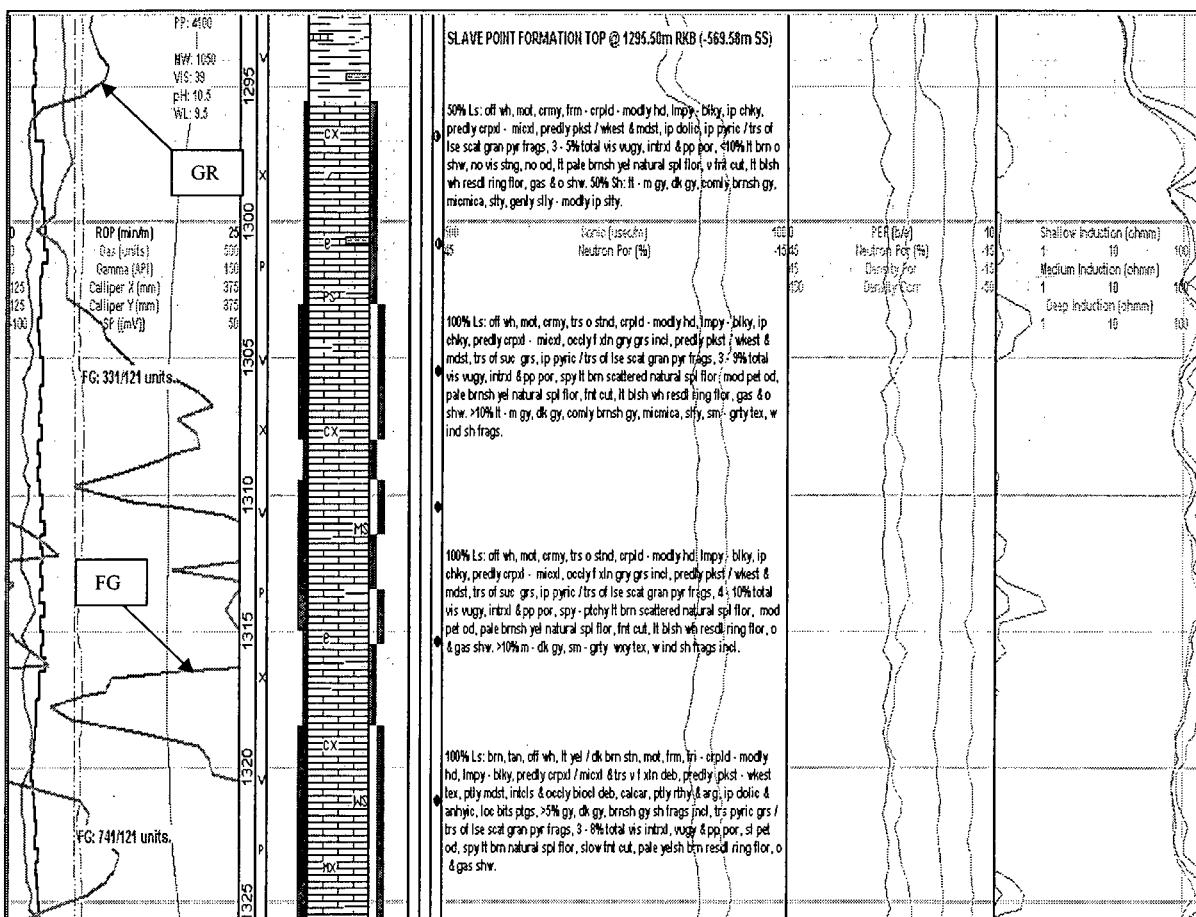


Figure 1: Striplog of the Slave Point Formation.



Photo 2: Ls in the Slave Point Fm_1320m RKB.

The **Slave Point** formation is picked up and identified at 1296.00m RKB (-570.08m SS). Change of ROP from 26m/hr to an average 20m/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 micrites of **Beaverhill Lake** formation picked up at 1273.0m RKB (-547.08nm SS), and conformably underlain by **Fort Vermilion** formation encountered at 1336.50m RKB (-610.58m SS).

The **Slave Point** anticipated is 40.5m 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 1296.0m to 1303.0m RKB is tighter varying from 3 – 5% porosities and the middle section from 1303m to 1328.5m RKB is more porous varying from 4 - 10% total scattered visible porosities. Vuggy porosities are predominant with partial microfracture, pin point and intercrystalline porosities. In the upper section 331/121 units formation gas are recorded against 1306.50m RKB with positive fluorescence shows. 741/121 units gas are recorded against 1323.0m RKB with symptoms 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 1305.0m to 1328.0m RKB possesses good reservoir properties with maximum 10% total scattered visible vuggy, intracrystalline, pin point and micro-fracture porosities.

From the ditch cuttings properties, gas and fluorescence shows and quick look interpretation of electrical logs the **Slave Point** Formation in the **Cameron F-77** 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 F-77

The **Paleozoic, Middle Devonian, Sulphur Point** formation conformably separates the overlying from greenish shale of the **Watt Mountain** formation identified at 1345.0m RKB (-619.08m SS) from the underlying anhydritic dolomite and massive, dense anhydrite deposit of the **Muskeg** formations encountered at 1371.0m (-645.08m SS).

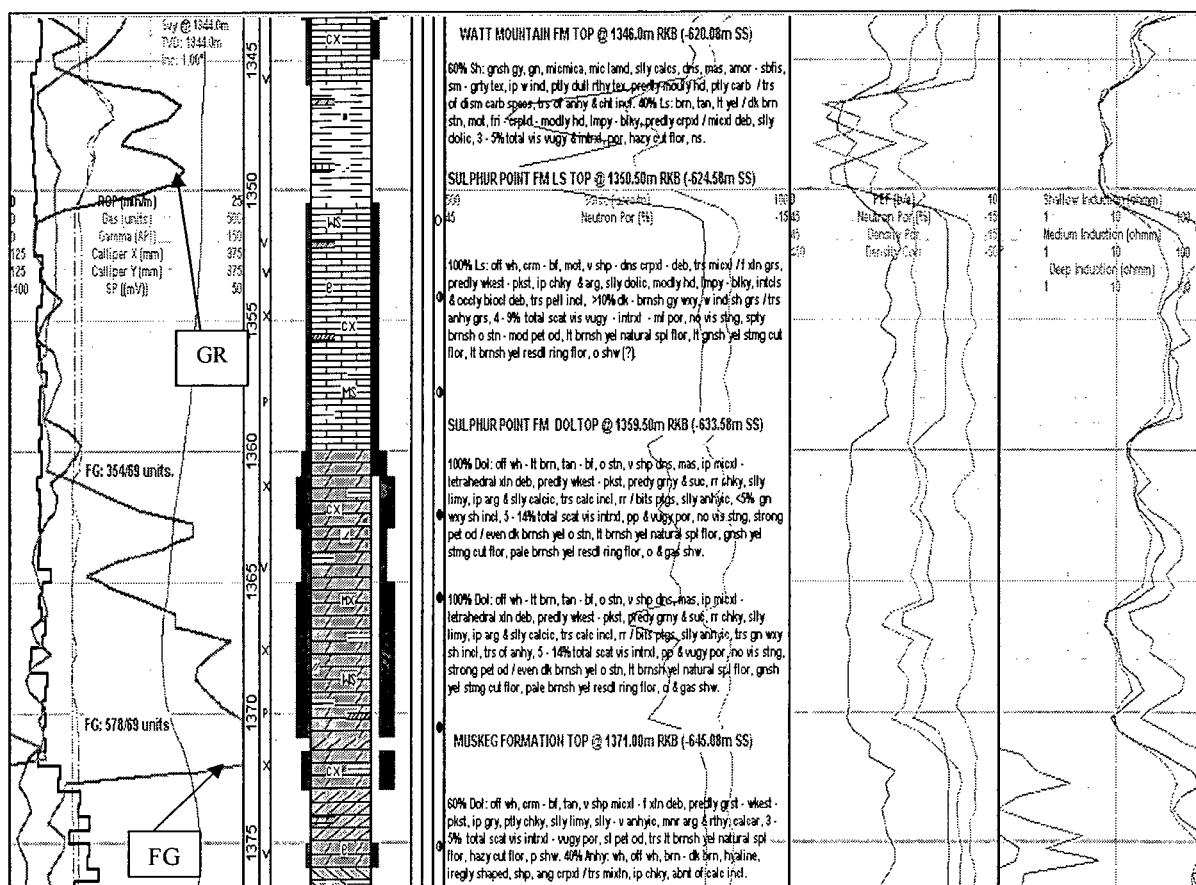


Figure 2: Striplog of the Sulphur Point Formation.



Ls in the Sulphur Point Fm_1355m RKB,
2/12/2010 2:19:05 PM

Photo 3: Ls in the Sulphur Point Fm_1355m RKB.

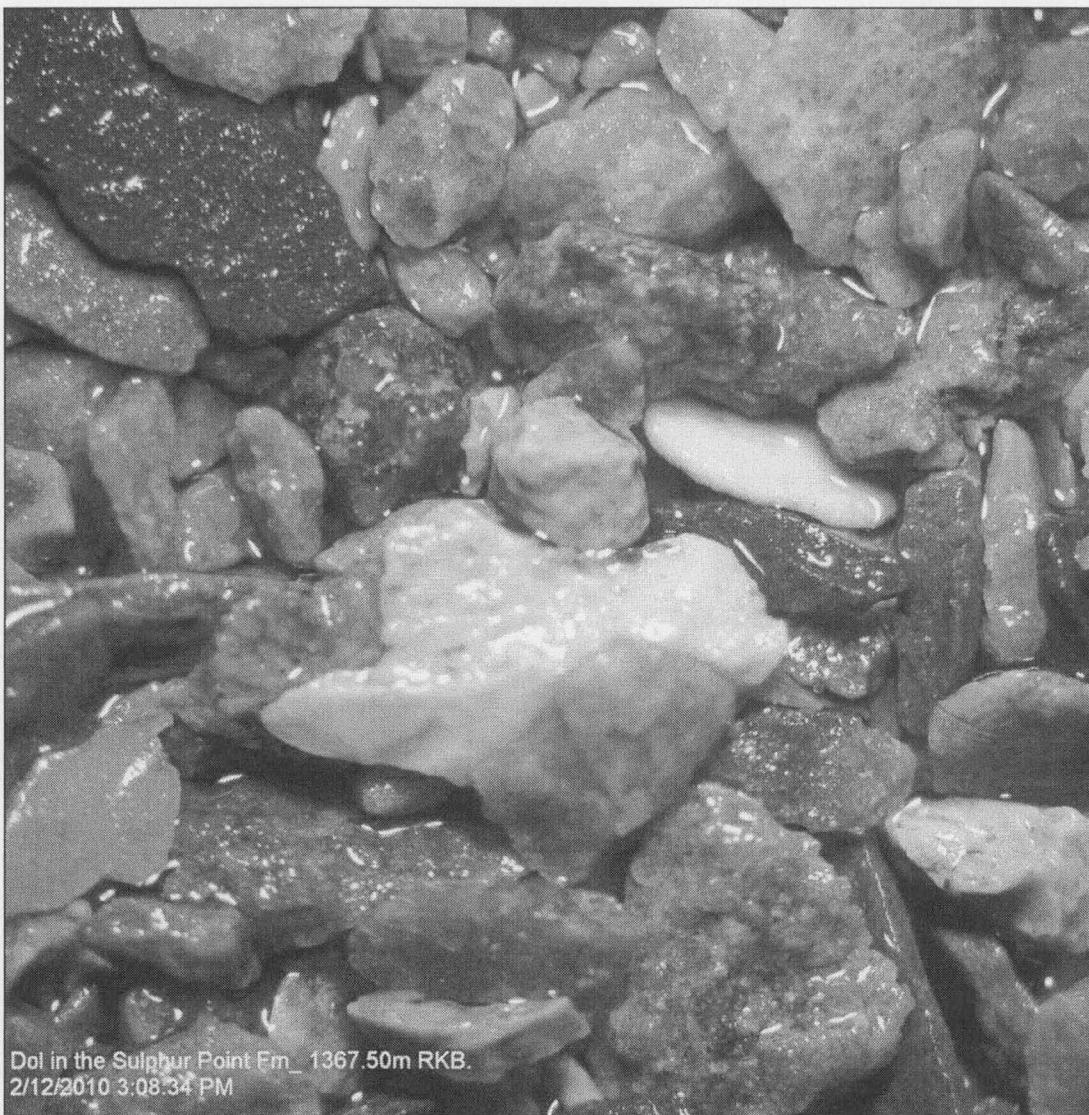
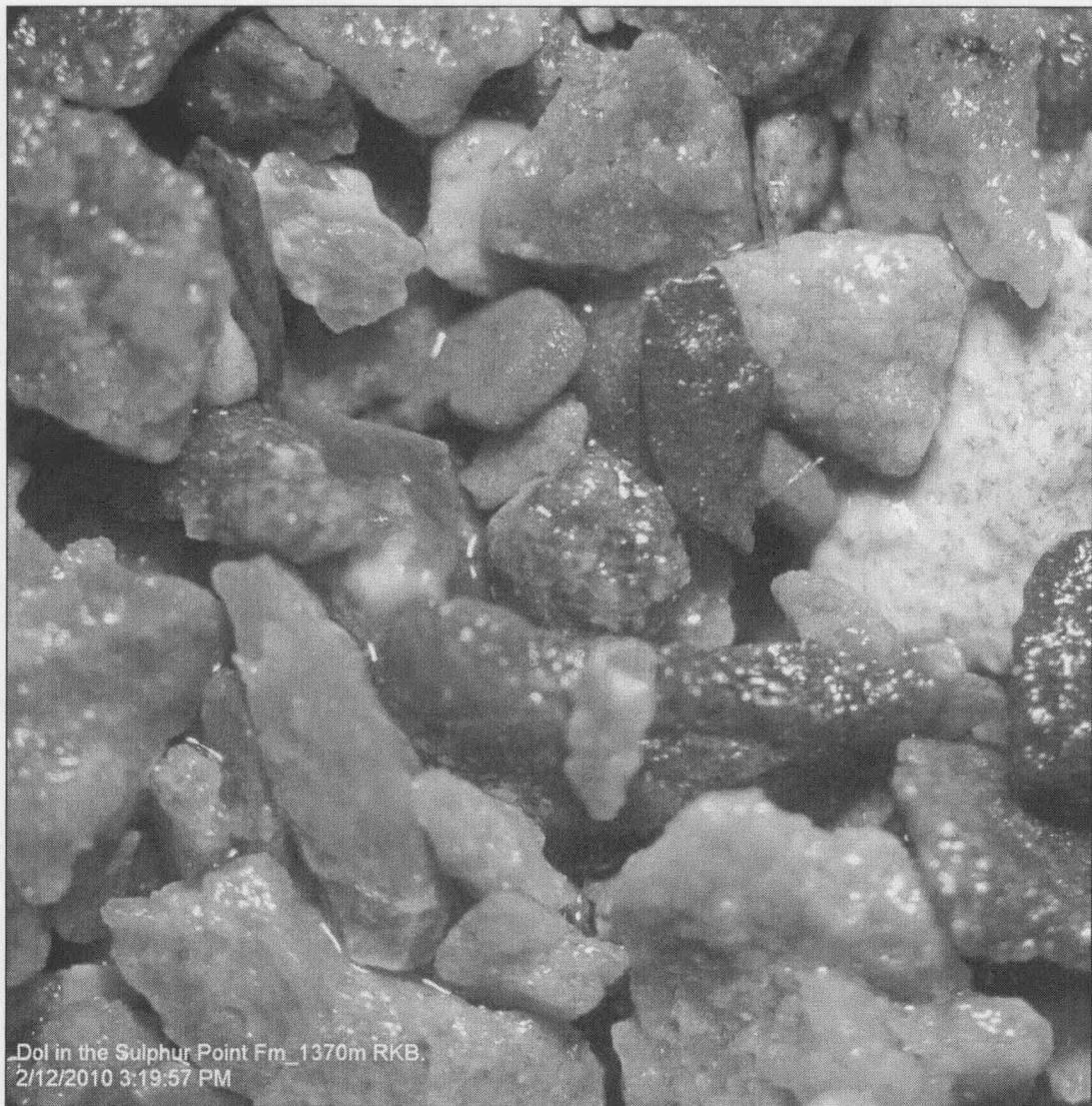


Photo 4: Dol in the Sulphur Point Fm_ 1367.50m RKB.



Dol in the Sulphur Point Fm_1370m RKB.
2/12/2010 3:19:57 PM

Photo 5: Dol in the Sulphur Point Fm_ 1370m RKB.

The limestone section of the **Sulphur Point** formation is picked up with the end of greenish waxy shaly deposit of the **Watt Mountain** formation. This section is identified from the ROPs, which are comparatively slower and change in drill cuttings. The formation encountered at 1351.0m RKB (-625.08m SS). Co-relation with the offset wells is the other criteria for identifying this formation. The limestone section is 9.0m 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%. No high formation gas is encountered in this drilled section.

The dolomitize 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 3.2min/m to 4.0min/m than in the upper limestone section where ROP varied between 2.6min/m to 3.5min/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 1360.0m RKB (-645.0m SS). The section is 11.0m 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. Total scattered intracrystalline, pin point, micro fracture and vuggy visible porosities vary between 4 to 14%.

Moderate to strong petroleum odor with even dark brownish oil stain, natural sample fluorescence, greenish yellow streaming cut fluorescence, pale 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 06, 2010	Midnight Depth: 236m
Rig move from Cameron H-06 to Cameron F-77. Rig up. Check derrick and other surface equipments. P/U Bit# 1RR1, 311mm, Varel, 18.0x3 jets on a stiff drilling assembly. Pre-spud safety meeting. Spud the well at 01:00hrs. Spud mud is Polymer of 1020 kg/m ³ and FV: 33 sec/l. Drilling of surface hole from 27m to 69m. Conduct surveys. Continue drilling.	

February 07, 2010	Midnight Depth: 378m
Continue drilling of surface hole from 69m to 312m. Conduct surveys. Continue drilling.	

February 08, 2010	Midnight Depth: 379m
At 378m circulation and mud conditioning to 1060 kg/m ³ , FV: 40 sec/l and pH: 8.0. Conduct bit trip. Drill down to 379.0m. Mud conditioning to 1080 kg/m ³ , FV: 57 sec/l and pH: 8.0. POOH. RIH 219.1mm, J-55, 35.716 kg/m, 28 joints surface casings. Circulation and mud conditioning through casing string. Cement casings with Sanjel.	

February 09, 2010	Midnight Depth: 379m
Cement casings with Sanjel. WOC. Cut, weld & dress casing string to the casing bowel. Nipples up BOP stack. Pressure test of BOPs and surface equipments. Pick up a new PDC Bit# 2, 200mm, Reed, DSX416M-A3PDC, Sr. No. 114178, 12.0x6 jets on stiff drilling assembly. RIH. Cement drilling continued.	

February 10, 2010	Midnight Depth: 944m
Drill out cement, float and shoe. Drilling of 200mm main hole from 379m to 710m. Conduct surveys.	

February 11, 2010	Midnight Depth: 1221m
Drill out cement, float and shoe. Drilling of 200mm main hole from 710m to 1049m. Conduct surveys.	

February 12, 2010	Midnight Depth:1420m
Drill out cement, float and shoe. Drilling of 200mm main hole from 1049m to 1299m. Conduct surveys.	

February 13, 2010	Midnight Depth:1420m
Drill out cement, float and shoe. Drilling of 200mm main hole from 1049m to 1420m (-694.08m SS) – TD of the well reached at 18:25hrs. Conduct surveys. Circulation and mud conditioning. Conduct wiper trip of 11 stands. Circulation and mud conditioning to 1040 kg/m ³ , FV: 52 sec/l, pH: 10.0 and WL: 6.50 cm ³ . POOH. Logging with Weatherford continued.	

February 14, 2010	Midnight Depth:1420m
Logging with Weatherford. STI/SPeD/CNS/GR/MRT/HBC/CAL tools are run in one run. 10m fill up encountered. Rig logging tools and equipments. RIH with hole cleaning assembly. Ream down last three joints of DPs. Trip gas 286/62 units. Condition mud to 1050 kg/m ³ , FV: 77 sec/l, pH: 8.5 and WL: 7.0. POOH. RIH 139.7mm production casings continued.	

February 15, 2010	Midnight Depth:1420m
RIH of 139.7mm production casings, 113 joints, J-55, 20.83 kg/m, 127.30mm ID, ST & C, 1417.63m length. Circulation and mud conditioning through the casing string to 1050 kg/m ³ , FV: 57 sec/l, pH: 10.0 and WL: 8.0 cm ³ . Trip gas at TD is 286/62 units. Conduct cement job with Sanjel. WOC. Cut weld and dress casing string. Nipple down BOPs. Make up well head and install Christmas Tree. Slip and cut drill line. Tear down rig continued.	

February 16, 2010	Midnight Depth:1420m
Tear down rig continued. Wait on Well License for Rig move.	

February 17, 2010	Midnight Depth:1420m
Rig moved to the new location. Wait on Well License for drilling out Rat Hole, Mouse Hole and Pilot Hole.	

SAMPLE DESCRIPTIONS

DRILLED SECTION FROM 27m - 1420.0m RKB (Sampling Depth from 735m to 980m & 1225m to TD)

735-745

60% **Limestone**: off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with packstone texture, traces argillaceous mudstone, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, lumpy to blocky, firm to crumpled to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy porosity, no shows.

40% **Shale**: dark to blackish grey, greenish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, well indurated, moderately hard to hard, conchoidal to angular break, slightly sideritic, in part carbonaceous & fossiliferous.

745-755

60% **Shale**: dark to blackish grey, greenish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, well indurated, moderately hard to hard, conchoidal to angular break, slightly sideritic, in part carbonaceous & fossiliferous.

40% **Limestone**: off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with packstone texture, abundant argillaceous mudstone, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, in part chalky debris, lumpy to blocky, firm to crumpled to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy to pin point porosity, no shows.

755-765

70% **Shale**: dark to blackish grey, greenish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, well indurated, moderately hard to hard, conchoidal to angular break, slightly sideritic, in part carbonaceous & fossiliferous. 30% **Limestone**: off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with

packstone texture, abundant argillaceous mudstone, calcarenite, in part slightly dolomitic, partly earthy, ratty & argillaceous, in part chalky debris, lumpy to blocky, firm to crumpled to moderately hard, traces loose grains to predominately peloids, 3 to 4% total visible intracrystalline porosity with vuggy to pin point porosity, no shows.

765-775

50% **Limestone**: off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, traces fine crystalline grainy grains inclusion, predominately mudstone with packstone texture, >5% argillaceous mudstone, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, firm to crumpled to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic, 3 to 4% total visible intracrystalline porosity with pin point & rare vuggy porosity, no shows.

50% **Shale**: grey, brownish grey, greenish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, in part well indurated, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks.

775-780.5

60% **Limestone**: off white, light brown, buff, predominately cryptocrystalline with traces of microcrystalline debris, traces fine crystalline with grainy grains inclusion, predominately mudstone with packstone texture, >5% argillaceous mudstone, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, firm to crumpled to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic, 3 to 4% total visible intracrystalline porosity with pin point & rare vuggy porosity, no shows.

40% **Shale**: grey, brownish grey, greenish grey, micromicaceous in part, non calcareous, subblocky to blocky, subfissile to subplaty, smooth to gritty texture, in part laminated, moderately hard to hard, in part well indurated, conchoidal to angular break, partly carbonaceous with traces disseminated carbonaceous specks.

TWIN FALLS FM TOP @ 780.50m RKB (-54.58m SS)

780.5-790

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, calcarenite, in part slightly dolomitic, partly earthy & argillaceous, firm to moderately hard, flaky to blocky, commonly loose grains to predominately peloids, in part pyritic, 3 to 4% total visible intracrystalline porosity with pin point & rare vuggy porosity, no shows.

20% **Shale**: grey to brownish grey, greenish grey, micromicaceous in part, 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, partly dull earthy texture.

790-800

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 intracrystalline porosity with pin point & rare vuggy 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.

800-810

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 intracrystalline porosity with pin point & rare vuggy 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.

810-820

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, partly chalky, 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 intracrustaline porosity with pin point & rare vuggy 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.

820-830 80% **Limestone**: off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, in part very fine crystalline & grainy, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal, calcarenite, in part argillaceous & dolomitic, partly earthy & ratty, firm to crumpled to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, 3 to 5% total visible intracrustaline with vuggy & pin point porosity, no shows.
 20% **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.

830-840 80% **Limestone**: off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, in part very fine crystalline & grainy, predominately mudstone with partly packstone texture, traces argillaceous mudstone & chalky debris, in part biostromal, slightly calcitic, in part argillaceous & dolomitic, partly earthy & ratty, firm to crumpled to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, 3 to 5% total visible intracrustaline with vuggy & pin point porosity, no shows.
 20% **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.

840-850 90% **Limestone**: off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part sucrosic with traces argillaceous mudstone & chalky debris, in part biostromal, slightly calcitic, in part argillaceous, partly earthy & ratty, firm to crumpled to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, 4 to 6% total visible intracrustaline with vuggy & pin point porosity, no shows.
 10% **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.

850-860 90% **Limestone**: off white, light brown, tan, predominately cryptocrystalline with traces of microcrystalline debris, predominately mudstone with partly packstone texture, in part sucrosic with traces argillaceous mudstone & chalky debris, in part biostromal, slightly calcitic, in part argillaceous, partly earthy & ratty, firm to crumpled to moderately hard, lumpy to blocky, commonly loose grains to predominately peloids, 4 to 6% total visible intracrystalline with vuggy & pin point porosity, no shows.
10% **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.

860-865 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.

865-870 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.
870-880	<p>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 4% total visible intracrystalline porosity with vuggy & pin point porosity, no shows.</p> <p>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.</p>
880-885	<p>70% 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 4% total visible intracrystalline porosity with vuggy & pin point porosity, no shows.</p> <p>30% 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.</p>
885-890	<p>70% 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 4% total visible intracrystalline porosity with vuggy & pin point porosity, no shows.</p> <p>30% 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.</p>

900-910	<p>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 4% total visible intracrystalline porosity with vuggy porosity, no shows.</p> <p>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.</p>
910-920	<p>50% 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 4% total visible intracrystalline porosity with vuggy porosity, no shows.</p> <p>50% 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.</p>
920-930	<p>70% Shale: greenish grey, grey, brownish grey, micromicaceous, generally slightly to moderately salty, micro laminated on darker & harder fraction, calcareous, dense, massive, amorphous to blocky, fissile to platy, smooth to gritty texture, well indurated, partly dull earthy, firm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, >5% siltstone stringers inclusion, traces chart fragments, in part fossiliferous.</p> <p>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% total visible intracrystalline porosity with vuggy porosity, no shows.</p>
930-939.5	<p>70% 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, firm to moderately hard, in part thinly laminated, slightly</p>

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% total visible intracrystalline porosity with vuggy porosity, no shows.

HAY RIVER FM TOP @ 939.50m RKB (-213.58m SS)

939.5-950

90% **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, firm to moderately hard, in part thinly laminated, 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, maximum 3% total visible intracrystalline porosity with vuggy porosity, no shows.

950-960

100% **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, firm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, >5% siltstone stringers inclusion, in part fossiliferous. <10% off white, light brown, predominately mudstone with partly packstone texture, in part biostromal limestone.

960-970

100% **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, 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.

970-980

100% **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, in part dull earthy, firm to moderately hard, in part thinly laminated, slightly sideritic, partly carbonaceous, rare pyritic with traces loose pyrite grains, >5% siltstone stringers inclusion, in part fossiliferous. >5% off white, light brown, predominately mudstone with packstone texture, in part biostromal limestone.

980-1225

1225-1235

No descriptions done

100% **Shale**: medium to dark grey, greenish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, slightly calcareous, dense, massive, grading to mudstone, splintery to blocky, subfissile to platy, smooth to waxy texture, in part dull earthy & partly well indurated, firm to friable to moderately hard, occasionally micro to thinly laminated, bituminous in part, slightly sideritic, in part carbonaceous with traces of disseminated carbonaceous specks, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces of argillaceous limestone, occasionally traces disseminated pyrite, fossiliferous.

1235-1245

100% **Shale**: medium to dark grey, greenish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, slightly calcareous, dense, massive, grading to mudstone, splintery to blocky, subfissile to platy, smooth to waxy texture, in part dull earthy & partly well indurated, firm to friable to moderately hard, occasionally micro to thinly laminated, bituminous in part, slightly sideritic, in part carbonaceous with traces of disseminated carbonaceous specks, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces of argillaceous limestone, occasionally traces disseminated pyrite, in part fossiliferous.

1245-1255

100% **Shale**: medium grey, dark grey, greenish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaly limestone, dense, massive, grading to mudstone, splintery to blocky, subfissile to

platy, smooth to waxy texture, in part dull earthy & partly well indurated, firm to friable to moderately hard, occasionally micro to thinly laminated, bituminous in part, slightly sideritic, in part carbonaceous with traces of disseminated carbonaceous specks, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces dark argillaceous limestone with chert fragments, generally fossiliferous.

1255-1265

100% **Shale:** medium grey, dark grey, greenish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaley limestone, dense, massive, grading to mudstone, splintery to blocky, subfissile to platy, smooth to waxy texture, in part dull earthy & partly well indurated, firm to friable to moderately hard, occasionally micro to thinly laminated, bituminous in part, slightly sideritic, in part carbonaceous with traces of disseminated carbonaceous specks, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces of dark argillaceous limestone, generally fossiliferous.

1265-1272.5

100% **Shale:** medium grey, dark grey, greenish grey, micromicaceous, generally slightly to moderately in part silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaley limestone, dense, massive, grading to mudstone, splintery to blocky, subfissile to platy, smooth to waxy texture, in part dull earthy & partly well indurated, firm to friable to moderately hard, occasionally micro to thinly laminated, bituminous in part, slightly sideritic, in part carbonaceous with traces of disseminated carbonaceous specks, randomly oriented with biotitic mica flakes, traces siltstone stringers, traces of dark argillaceous limestone, generally fossiliferous.

BEAVERHILL LAKE FM TOP @ 1272.50m (-546.58m SS)

1272.5-1280

100% **Shale:** medium grey, brownish grey, commonly micromicaceous, generally silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaley limestone, dense, massive, 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, traces dark argillaceous limestone with chert fragments, occasionally pyritic with traces of loose scattered granular pyrite fragments, traces inoceramus prism, occasionally fossiliferous.

1280-1290 100% **Shale**: medium grey, brownish grey, commonly micromicaceous, generally silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaley limestone, dense, massive, 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, traces dark argillaceous limestone with off white limestone grains, occasionally pyritic with traces of loose scattered granular pyrite fragments, traces inoceramus prism, occasionally fossiliferous.

1290-1295.5 100% **Shale**: medium grey, brownish grey, commonly micromicaceous, generally silty, micro laminated on darker & harder fraction with fine silty partings, partly very calcareous grading to shaley limestone, dense, massive, 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, <10% dark argillaceous limestone with off white limestone grains, occasionally pyritic with traces of loose scattered granular pyrite fragments, traces inoceramus prism, occasionally fossiliferous.

SLAVE POINT FM TOP @ 1295.50m RKB (-569.58m SS)

1295.5-1305 50% **Limestone**: off white, mottled, creamy, firm to crumpled to moderately hard, lumpy to blocky, in part chalky, predominately cryptocrystalline to microcrystalline, predominately packstone with wackestone & mudstone, in part dolomitic, in part pyritic with traces of loose scattered granular pyrite fragments, 3 to 5% total visible vuggy, intracrystalline & pin point porosity, <10% light

brown oil show, no visible staining, no odor, light pale brownish yellow natural sample fluorescence, very faint cut, light bluish white residual ring fluorescence, gas & oil show.

50% **Shale**: light to medium grey, dark grey, commonly brownish grey, micromicaceous, silty, generally slightly to moderately in part silty.

1305-1315

100% **Limestone**: off white, mottled, creamy, traces oil stained, crumpled to moderately hard, lumpy to blocky, in part chalky, predominately cryptocrystalline to microcrystalline, occasionally fine crystalline grainy grains inclusion, predominately packstone with wackestone & mudstone, traces of sucrosic grains, in part pyritic with traces of loose scattered granular pyrite fragments, 3 to 9% total visible vuggy, intracrystalline & pin point porosity, spotty light brown scattered natural sample fluorescence, moderate petroleum odor, pale brownish yellow natural sample fluorescence, faint cut, light bluish white residual ring fluorescence, gas & oil show. >10% light to medium grey, dark grey, commonly brownish grey, micromicaceous, silty, smooth to gritty texture, well indurated shale fragments.

1315-1320

100% **Limestone**: off white, mottled, creamy, traces oil stained, crumpled to moderately hard, lumpy to blocky, in part chalky, predominately cryptocrystalline to microcrystalline, occasionally fine crystalline grainy grains inclusion, predominately packstone with wackestone & mudstone, traces of sucrosic grains, in part pyritic with traces of loose scattered granular pyrite fragments, 4 to 10% total visible vuggy, intracrystalline & pin point porosity, spotty to patchy light brown scattered natural sample fluorescence, moderate petroleum odor, pale brownish yellow natural sample fluorescence, faint cut, light bluish white residual ring fluorescence, oil & gas show. >10% medium to dark grey, smooth to gritty waxy texture, well indurated shale fragments inclusion.

1320-1330

100% **Limestone**: brown, tan, off white, light yellow with dark brown stain, mottled, firm, friable to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline with microcrystalline & traces very fine crystalline debris, predominately packstone to wackestone texture, partly mudstone, intraclasts & occasionally bioclastic debris, calcarenite, partly earthy & argillaceous, in part dolomitic & anhydritic, local bituminous partings, >5% grey, dark grey, brownish grey shale fragments inclusion, traces pyritic grains with traces of loose scattered granular pyrite fragments, 3 to 8% total visible intracrystalline, vuggy & pin point porosity, slight petroleum odor,

spotty light brown natural sample fluorescence, slow faint cut, pale yellowish brown residual ring fluorescence, oil & gas show.

1330-1336.5

100% **Limestone**: brown, tan, off white, light yellow with dark brown stain, mottled, firm, friable to crumpled to moderately hard, lumpy to blocky, predominately cryptocrystalline with microcrystalline & traces very fine crystalline debris, predominately packstone to wackestone texture, partly mudstone, intraclasts & occasionally bioclastic debris, calcarenite, partly earthy & argillaceous, in part dolomitic & anhydritic, local bituminous partings, >5% grey, dark grey, brownish grey shale fragments inclusion, traces pyritic grains with traces of loose scattered granular pyrite fragments, 3 to 8% total visible intracrystalline, vuggy & pin point porosity, slight petroleum odor, spotty light brown natural sample fluorescence, slow faint cut, pale yellowish brown residual ring fluorescence, oil & gas show.

F4 MARKER FMTOP @ 1336.50m RKB (-610.58m SS)

1336.5-1346

60% **Limestone**: brown, tan, light yellow with dark brown stain, mottled, predominately cryptocrystalline with microcrystalline debris, 3 to 5% total visible vuggy & intracrystalline porosity, no odor, no visible staining, >5% light brown natural sample fluorescence, hazy cut fluorescence, no shows. 40% Dolomite: Dolomite: off white, satiny, creamy, predominately cryptocrystalline debris, mudstone to packstone argillaceous debris, fossiliferous, traces of shale fragments, abundant of calcite & anhydrite inclusions, 3 - 4% visible vuggy & intracrystalline porosity, hazy cut fluorescence.

WATT MOUNTAIN FM TOP @ 1346.0m RKB (-620.08m SS)

1346-1350.5

60% **Shale**: greenish grey, green, micromicaceous, micro laminated, slightly calcareous, dense, massive, amorphous to subfissile, smooth to gritty texture, in part well indurated, partly dull earthy texture, predominately moderately hard, partly

carbonaceous with traces of disseminated carbonaceous specks, traces of anhydrite & chert inclusion.

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, 3 to 5% total visible vuggy & intracrustalline, porosity, hazy cut fluorescence, no shows.

SULPHUR POINT FM LS TOP @ 1350.50m (-624.58m SS)

1350.5-1359.5

100% Limestone: off white, cream to buff, mottled, very sharp to dense cryptocrystalline to debris, traces microcrystalline with fine crystalline grains, predominately wackestone to packstone, in part chalky & argillaceous, slightly dolomitic, moderately hard, lumpy to blocky, intraclasts & occasionally bioclastic debris, traces pelletoidal inclusion, >10% dark to brownish grey waxy, well indurated shale grains with traces anhydrite grains, 4 to 9% total scattered visible vuggy to intracrustalline to mf porosity, no visible staining, spotty brownish oil stain to moderate petroleum odor, light brownish yellow natural sample fluorescence, light greenish yellow streaming cut fluorescence, light brownish yellow residual ring fluorescence, oil show (?).

SULPHUR POINT FM DOL TOP @ 1359.50m (-633.58m SS)

1359.5-1365

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 & slightly calcitic, traces calcite inclusion, rare with bituminous partings, slightly anhydritic, <5% green waxy shale inclusion, 5 to 14% total scattered visible intracrustalline, pin point & vuggy porosity, no visible staining, strong petroleum odor with even dark brownish yellow oil stain, light brownish yellow natural sample fluorescence, greenish yellow streaming cut fluorescence, pale brownish yellow residual ring fluorescence, oil & gas show.

1365-1371 **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 & slightly calcitic, traces calcite inclusion, rare with bituminous partings, slightly anhydritic, traces green waxy shale inclusion, traces of anhydrite, 5 to 14% total scattered visible intracrystalline, pin point & vuggy porosity, no visible staining, strong petroleum odor with even dark brownish yellow oil stain, light brownish yellow natural sample fluorescence, greenish yellow streaming cut fluorescence, pale brownish yellow residual ring fluorescence, oil & gas show.

MUSKEG FORMATION TOP @ 1371.00m KB (-645.08m SS)

1371-1380 **60% Dolomite:** off white, cream to buff, tan, 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 5% total scattered visible intracrystalline to vuggy porosity, slight petroleum odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.
40% Anhydrite: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, in part chalky, abundant of calcite inclusion.

1380-1390 **70% Anhydrite:** white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
30% Dolomite: off white, cream to buff, tan, 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 5% total scattered visible intracrystalline to vuggy porosity, slight poor odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.

1390-1395 60% **Anhydrite**: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
40% **Dolomite**: off white, cream to buff, tan, 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 5% total scattered visible intracrystalline to vuggy porosity, slight poor odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.

1395-1405 60% **Anhydrite**: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
40% **Dolomite**: off white, cream to buff, tan, very sharp microcrystalline to fine crystalline debris, predominately grainstone to wackestone to packstone, in part grainy, partly chalky, slightly limy, very anhydritic, minor argillaceous & earthy, calcarenite, 3 to 5% total scattered visible intracrystalline to vuggy porosity, slight poor odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.

1405-1410 60% **Anhydrite**: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.
40% **Dolomite**: off white, cream to buff, tan, 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 5% total scattered visible intracrystalline to vuggy porosity, slight poor odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.

1410-1415 60% **Anhydrite**: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine

crystalline limestone with abundant of brownish grey to tan dolomite inclusion.

40% Dolomite: off white, cream to buff, tan, 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 5% total scattered visible intracrystalline to vuggy porosity, slight poor odor, traces light brownish yellow natural sample fluorescence, hazy cut fluorescence, poor show.

1415-1420

100% Anhydrite: white, off white, brown to dark brown, hyaline, irregularly shaped, sharp, angular cryptocrystalline with traces microcrystalline, dense, abundant of calcite inclusion, traces of fine crystalline limestone with abundant of brownish grey to tan dolomite inclusion.

TD OF PARA ET AL CAMERON F-77.

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.



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

Well Name: PARA ET AL CAMERON F-77
Location: 300/F77-6010-117150
License Number: 1221
Spud Date: Feb 06, 2010 @ 01:00 Hrs. Region: NWT
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): 721.17m K.B. Elevation (m): 725.92m
Logged Interval (m): 27.0m To: 1410.6m Total Depth (m): 1420.0m
Formation: Primary: Sulphur Point Secondary: Slave Point
Type of Drilling Fluid: Polymer - Floc Water - Polymer.

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.co

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# 09NO10009
- # A Total Gas Detector is used for gas detection.
- # Logging conducted by Weatherford.
- Run# 1: STI/SPeD/CNS/GR/MRT/HBC/CAL tools are run in.
- # Neutron & Density porosity logs presented on a limestone and dolomite scales.
- # 139.7mm production casings are run in.

ROCK TYPES

	Anhy		Clyst		Gyp		Mrist		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Schorl		Till

ACCESSORIES

MINERAL		Gyp		FOSSIL		Ostra		Sltstrg	
<input checked="" type="checkbox"/>	Anhy	<input checked="" type="checkbox"/>	Hvymin	<input checked="" type="checkbox"/>	Algae	<input checked="" type="checkbox"/>	Pelec	<input checked="" type="checkbox"/>	Ssstrg
<input checked="" type="checkbox"/>	Arggrn	<input checked="" type="checkbox"/>	Kaol	<input checked="" type="checkbox"/>	Amph	<input checked="" type="checkbox"/>	Pellet		
<input checked="" type="checkbox"/>	Arg	<input checked="" type="checkbox"/>	Marl	<input checked="" type="checkbox"/>	Belm	<input checked="" type="checkbox"/>	Pisolite		
<input checked="" type="checkbox"/>	Bent	<input checked="" type="checkbox"/>	Minxl	<input checked="" type="checkbox"/>	Bioclst	<input checked="" type="checkbox"/>	Plant		
<input checked="" type="checkbox"/>	Bit	<input checked="" type="checkbox"/>	Nodule	<input checked="" type="checkbox"/>	Brach	<input checked="" type="checkbox"/>	Strom		
<input checked="" type="checkbox"/>	Brecfrag	<input checked="" type="checkbox"/>	Phos	<input checked="" type="checkbox"/>	Bryozoa				
<input checked="" type="checkbox"/>	Calc	<input checked="" type="checkbox"/>	Pyr	<input checked="" type="checkbox"/>	Cephal				
<input checked="" type="checkbox"/>	Carb	<input checked="" type="checkbox"/>	Salt	<input checked="" type="checkbox"/>	Coral				
<input checked="" type="checkbox"/>	Chtdk	<input checked="" type="checkbox"/>	Sandy	<input checked="" type="checkbox"/>	Crin				
<input checked="" type="checkbox"/>	Chtlt	<input checked="" type="checkbox"/>	Silt	<input checked="" type="checkbox"/>	Echin				
<input checked="" type="checkbox"/>	Dol	<input checked="" type="checkbox"/>	Sil	<input checked="" type="checkbox"/>	Fish				
<input checked="" type="checkbox"/>	Feldspar	<input checked="" type="checkbox"/>	Sulphur	<input checked="" type="checkbox"/>	Foram				
<input checked="" type="checkbox"/>	Ferrpel	<input checked="" type="checkbox"/>	Tuff	<input checked="" type="checkbox"/>	Fossil				
<input checked="" type="checkbox"/>	Ferr			<input checked="" type="checkbox"/>	Gastro				
<input checked="" type="checkbox"/>	Glau			<input checked="" type="checkbox"/>	Oolite				
TEXTURE									
		<input checked="" type="checkbox"/>	BS		Boundst				
		<input checked="" type="checkbox"/>	C		Chalky				
		<input checked="" type="checkbox"/>	CX		Cryxln				
		<input checked="" type="checkbox"/>	E		Earthy				
		<input checked="" type="checkbox"/>	FX		Finexln				
		<input checked="" type="checkbox"/>	GS		Grainst				
		<input checked="" type="checkbox"/>	L		Lithogr				
		<input checked="" type="checkbox"/>	MX		Microxln				
		<input checked="" type="checkbox"/>	MS		Mudst				
		<input checked="" type="checkbox"/>	PS		Packst				
		<input checked="" type="checkbox"/>	WS		Wackest				

OTHER SYMBOLS

POROSITY	<input checked="" type="checkbox"/> Vuggy	ROUNDING	<input checked="" type="checkbox"/> Spotted	EVENT
<input checked="" type="checkbox"/> Earthy		<input checked="" type="checkbox"/> Rounded	<input checked="" type="checkbox"/> Ques	<input checked="" type="checkbox"/> Rft
<input checked="" type="checkbox"/> Fenest	SORTING	<input checked="" type="checkbox"/> Subrnd	<input checked="" type="checkbox"/> Dead	<input checked="" type="checkbox"/> Sidewall
<input checked="" type="checkbox"/> Fracture	<input checked="" type="checkbox"/> Well	<input checked="" type="checkbox"/> Subang		
<input checked="" type="checkbox"/> Inter	<input checked="" type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Angular	INTERVAL	
<input checked="" type="checkbox"/> Moldic	<input checked="" type="checkbox"/> Poor		<input checked="" type="checkbox"/> Core	
<input checked="" type="checkbox"/> Organic		OIL SHOW	<input checked="" type="checkbox"/> Dst	
<input checked="" type="checkbox"/> Pinpoint		<input checked="" type="checkbox"/> Even		

Drilling Track

Depth (m)

ROP (min/m)

Gas (units)

Gamma (API)

Calliper X (mm)

Calliper Y (mm)

SP ((mV))

Depth

Porosity Type

Porosity

Lithology

Grain Size

Sorting

Rounding

Oil Shows

Sonic (usec/m)

Neutron Por (%)

PEF (b/e)

Neutron Po

Density Po

Density Co

0 ROP (min/m) 25

0 Gas (units) 1000

0 Gamma (API) 150

125 Calliper X (mm) 375

123 Calliper Y (mm) 375

-100 SP ((mV)) 60

Spud Well @ 01:00Hrs Feb 06, 2010.

Spud Mud: Polymer.

False Conductor Set @ 27.0m RKB.

311mm Surface Hole Drilling F/27m RKB.

Feb 05, 2010

Feb 06, 2010

Bit# 1RR1,
311mm, Varel
HE04JMRSV
Sr.No.253625
18.0x3 Jets
In: 27m
Out: 379m
Bit Hrs: 29.0

30 25

35 30

40 35

WOB: 3.0

RPM: 134

11/16 mm

1/8 mm

1/4 mm

1/2 mm

1-mm

500

45

Sonic (usec/m)

Neutron Por (%)

1000

-1545

45

450

FORMATION TOPS ARE LOG TOPS.

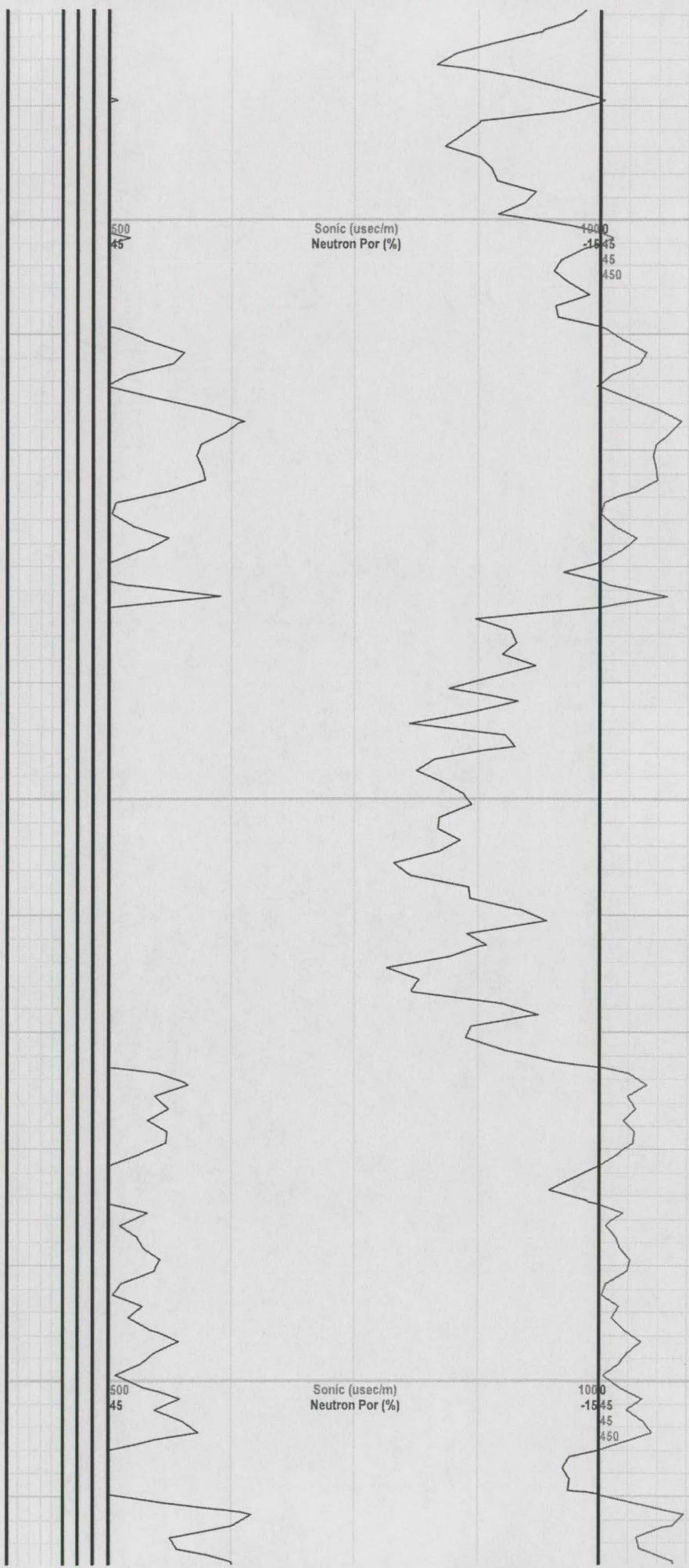
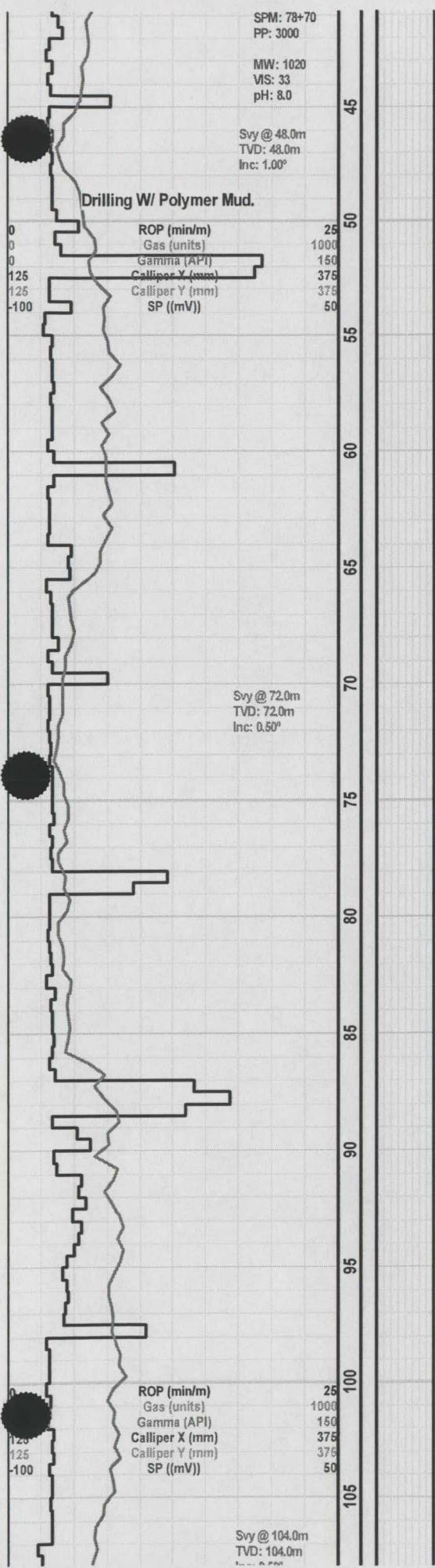
KB: 725.92m

GL: 721.17m

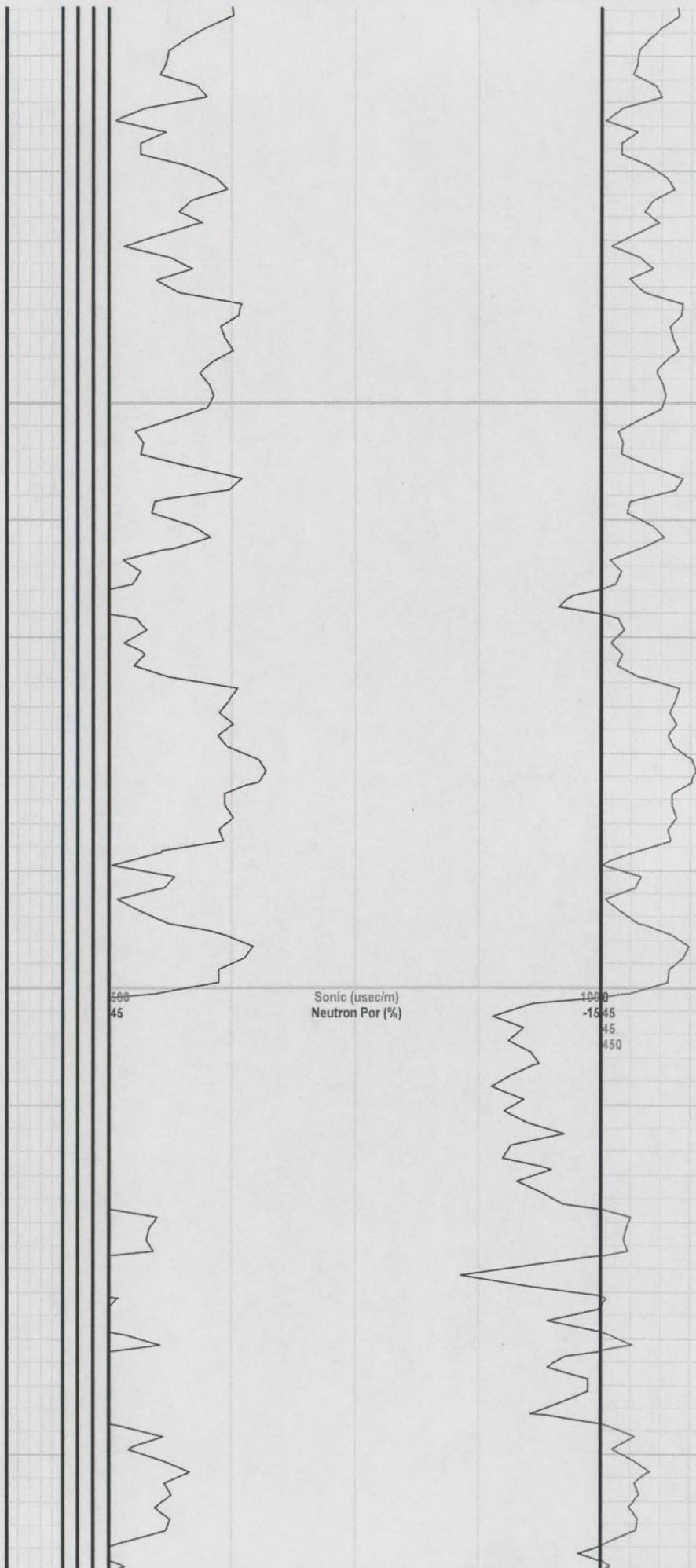
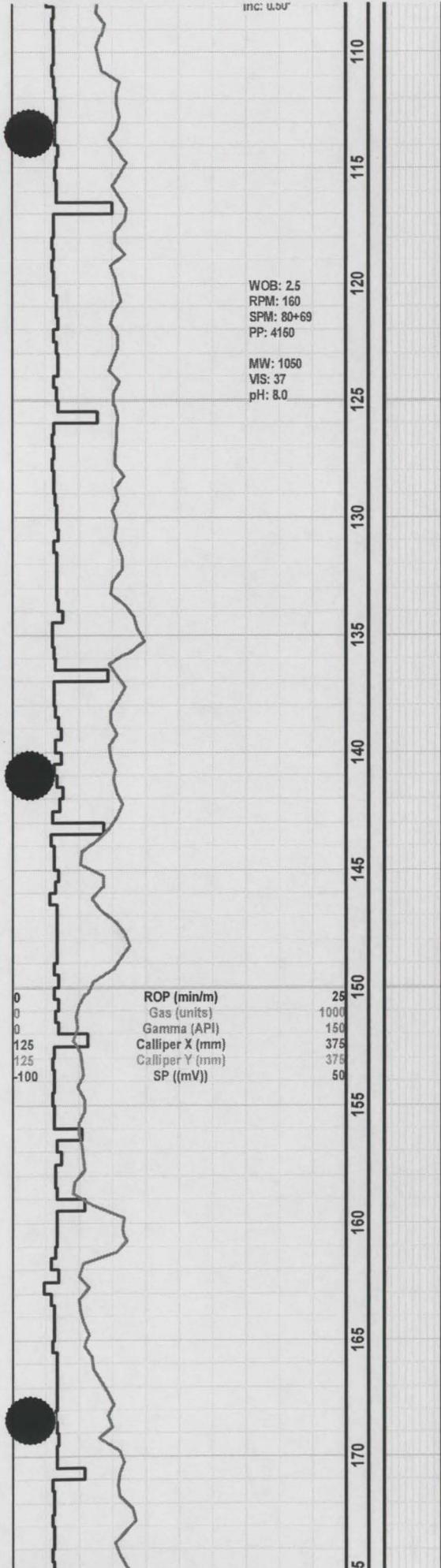
FILL: 1.00m

MSL: 720.17m

PEF (b/e)



INC: U.SU



Svy @ 179.0m
TVD: 179.0m
Inc: 1.00°

0
0
125
125
-100

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

25
1000
150
375
378
50

200
195
190
185
180
17

Svy @ 216.0m
TVD: 216.0m
Inc: 1.00°

WOB: 2.5
RPM: 165
SPM: 72+70
PP: 4250

MW: 1050
VIS: 37
pH: 8.0

Svy @ 234.0m
TVD: 234.0m
Inc: 1.00°

Feb 06, 2010

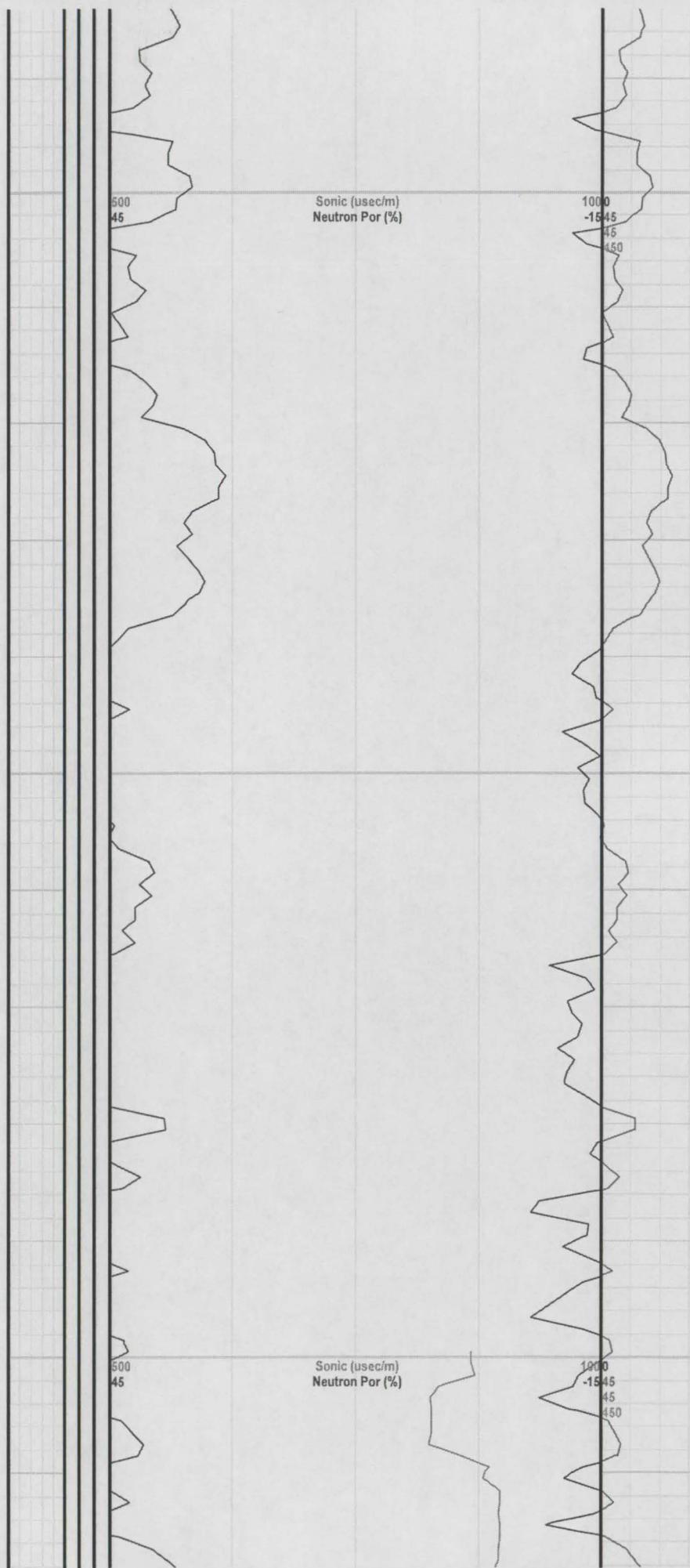
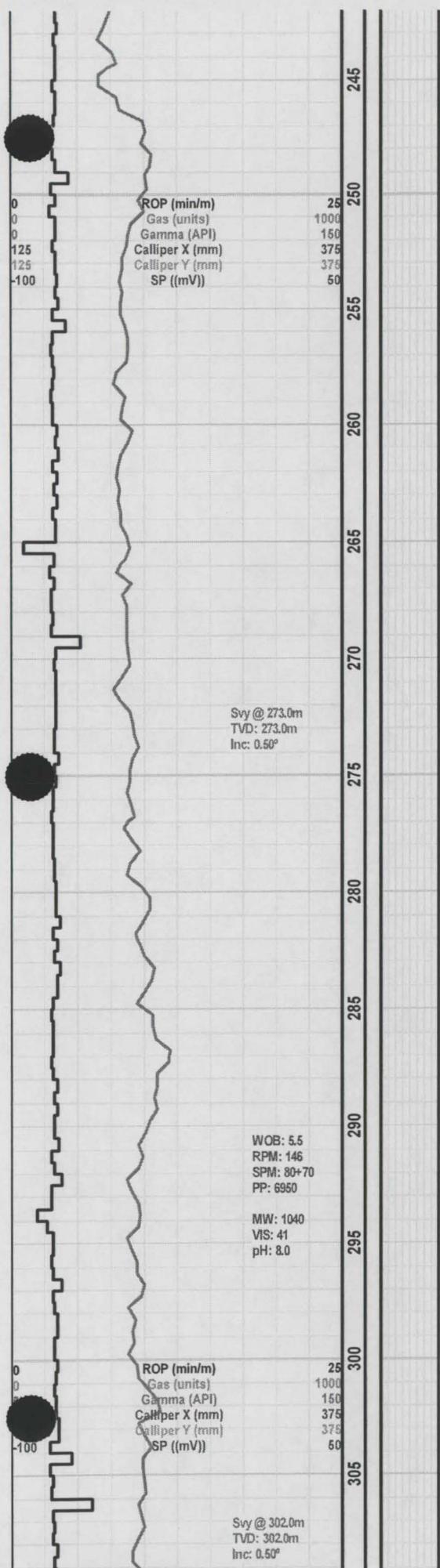
Feb 07, 2010

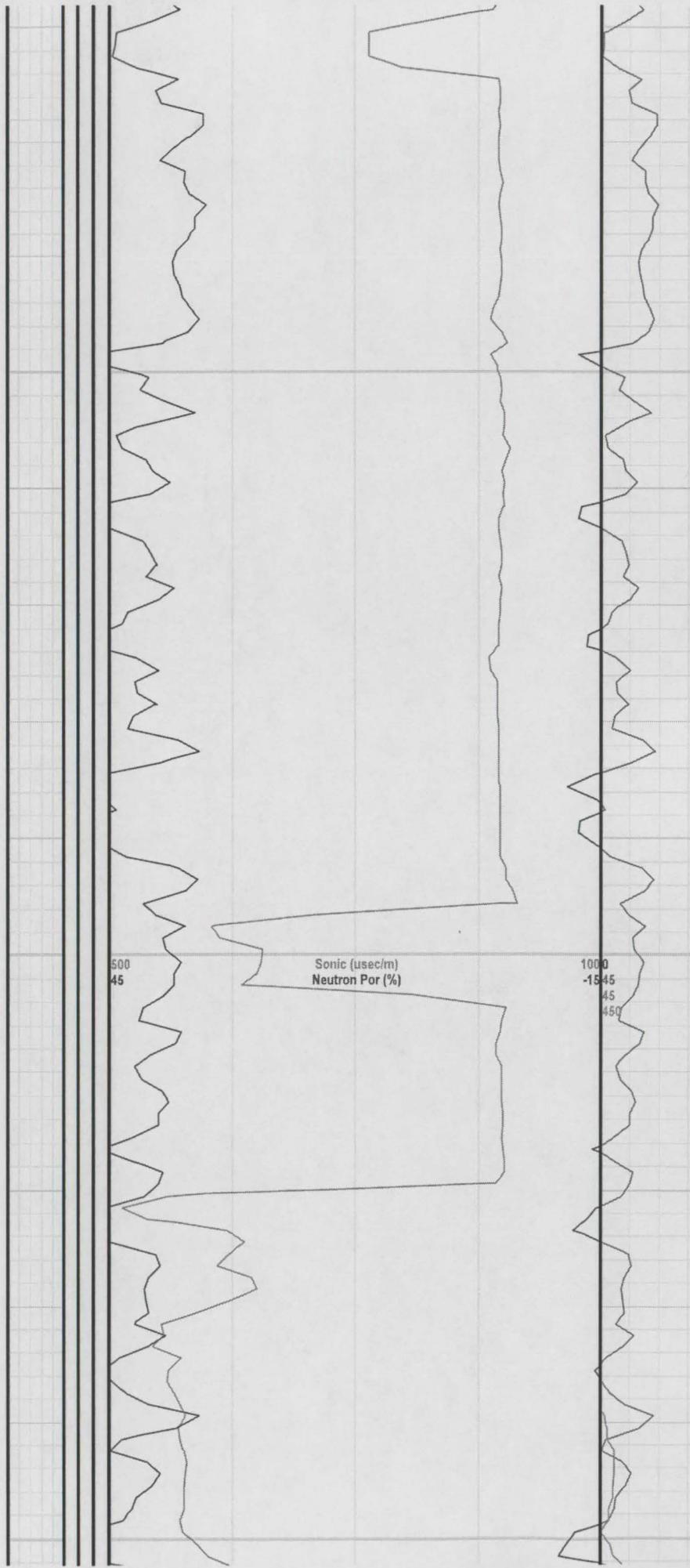
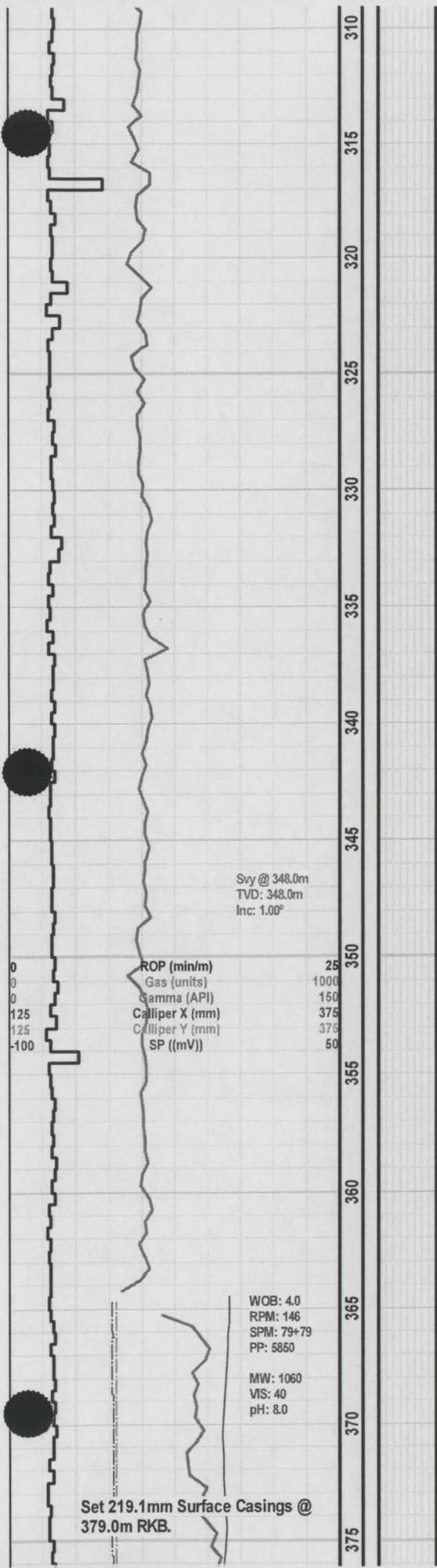
205
210
215
220
225
230
235
240

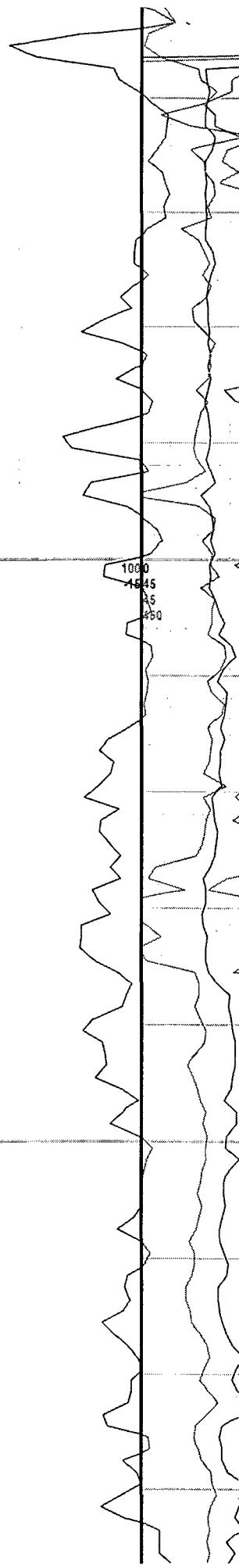
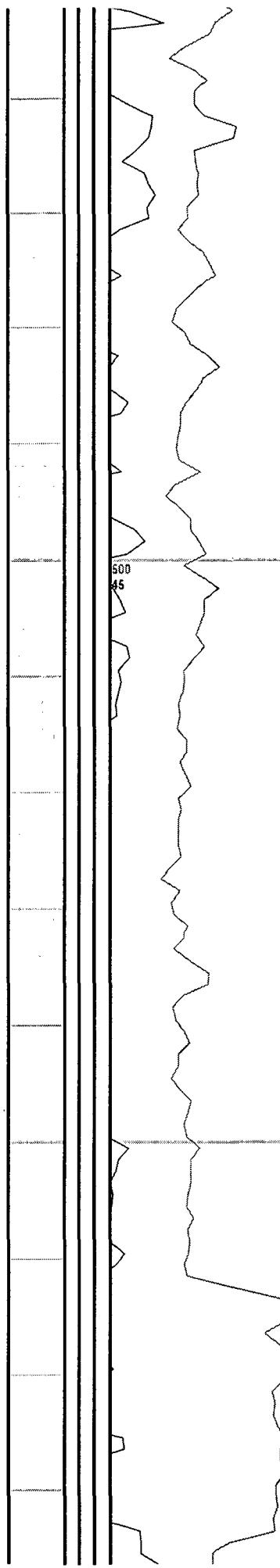
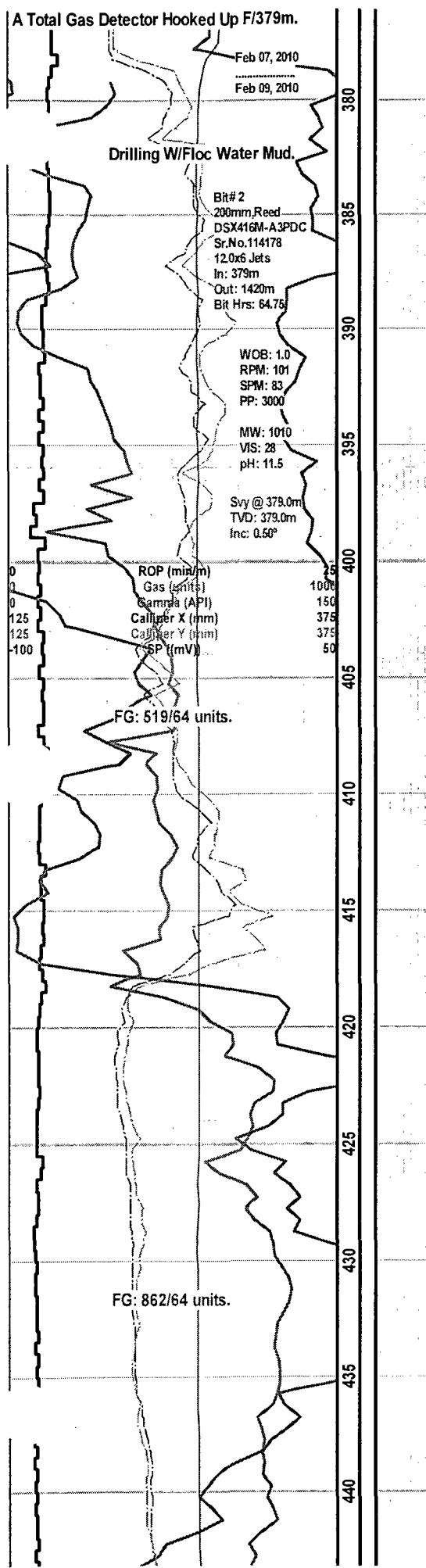
500
45

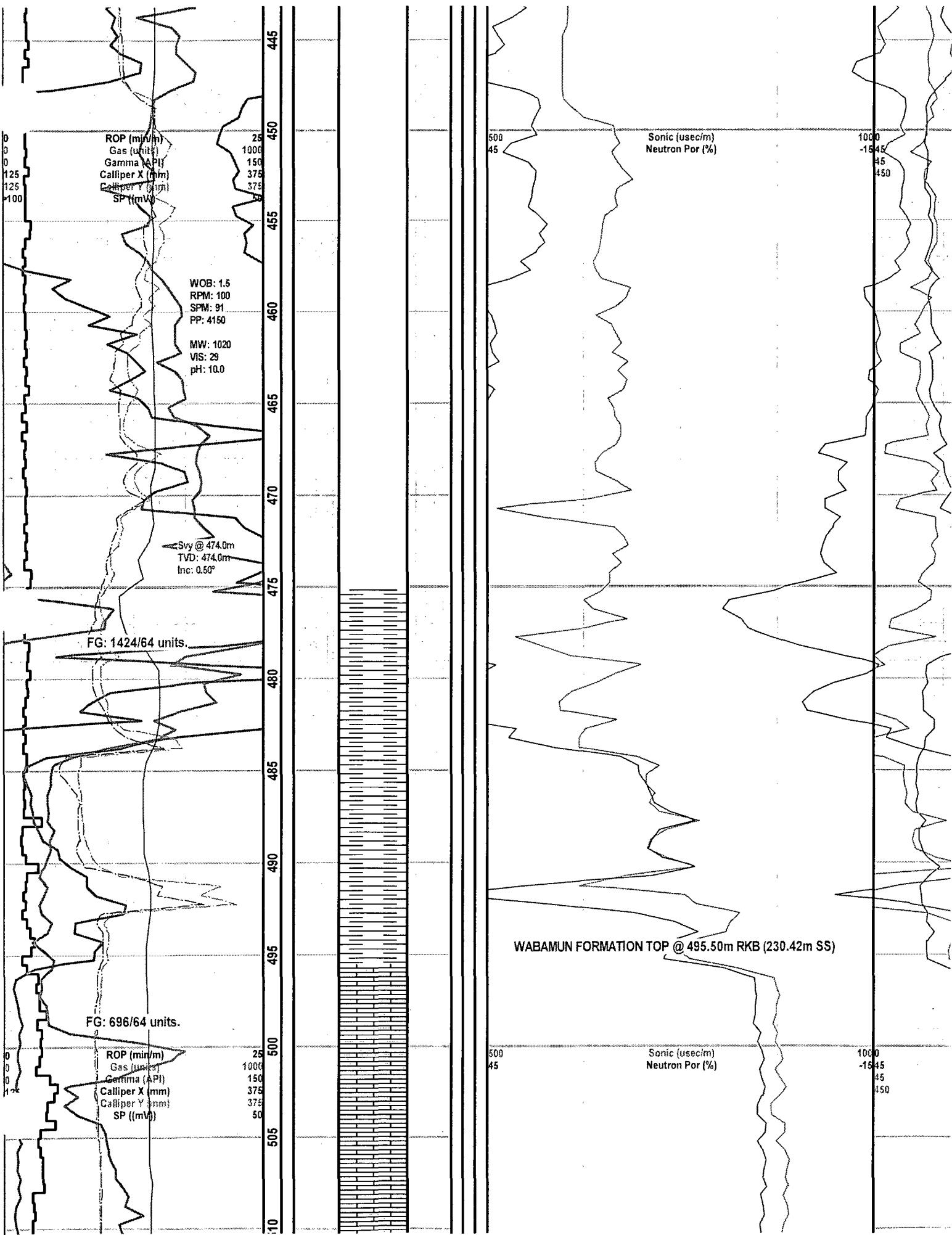
Sonic (usec/m)
Neutron Por (%)

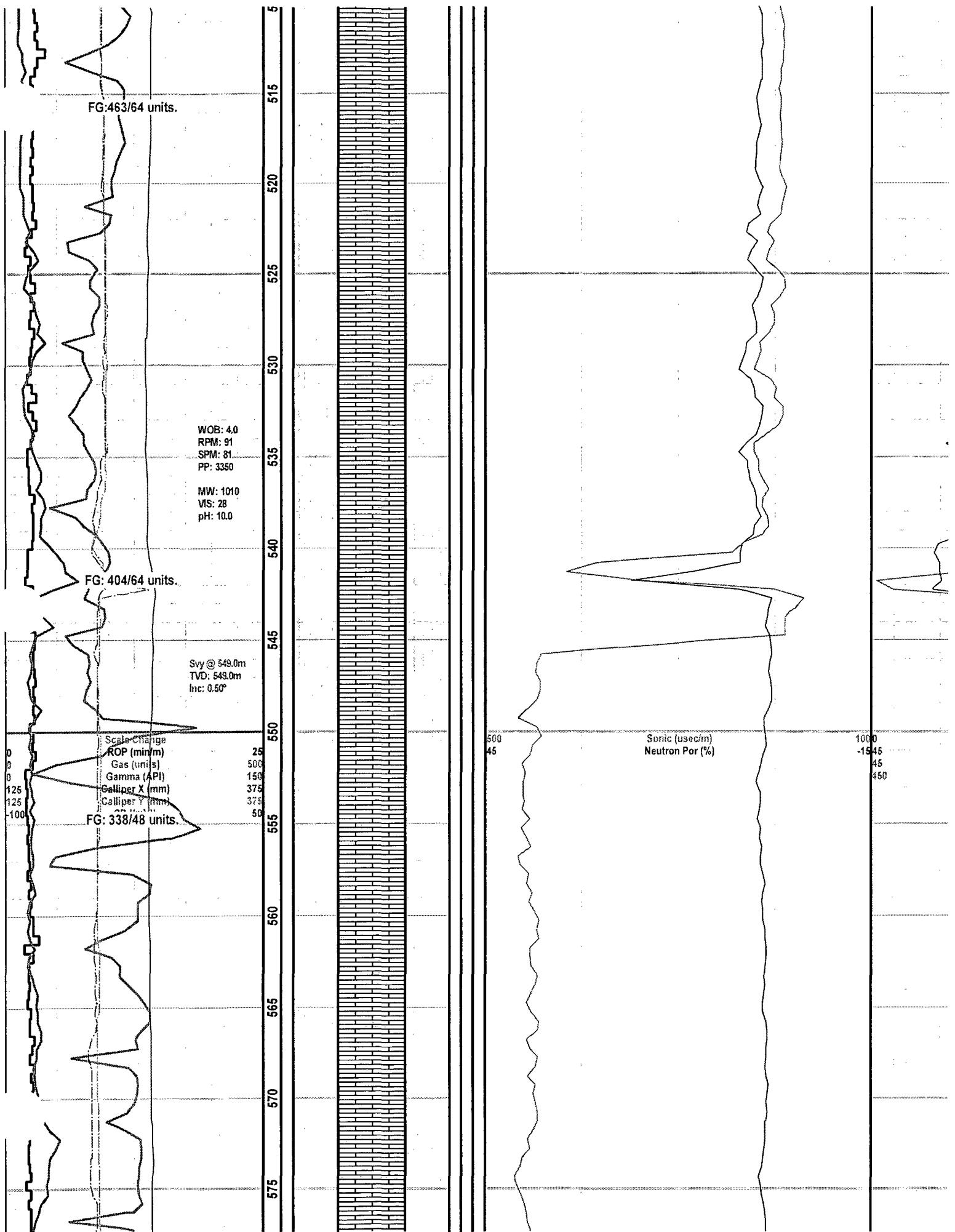
1000
-1545
45
450

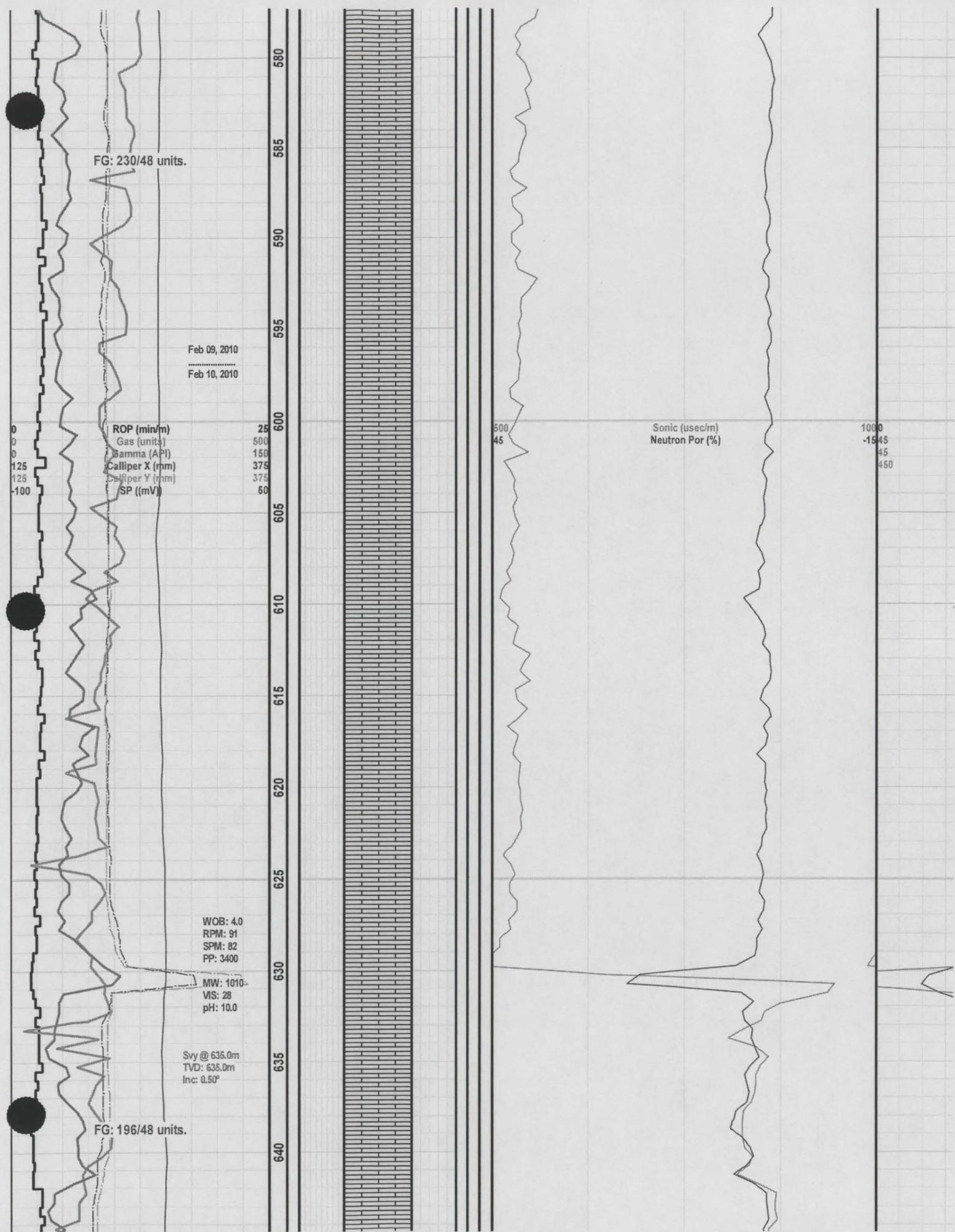


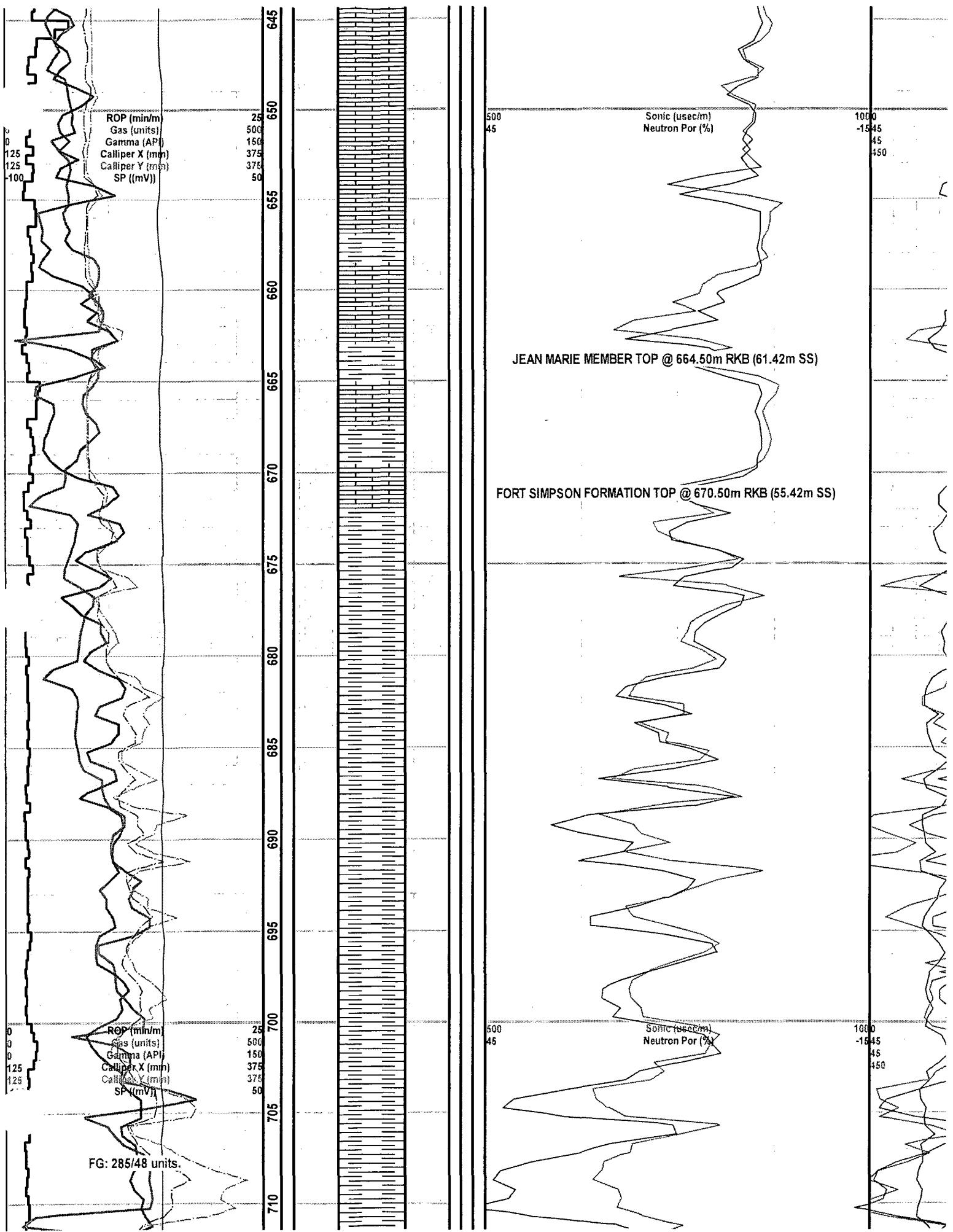


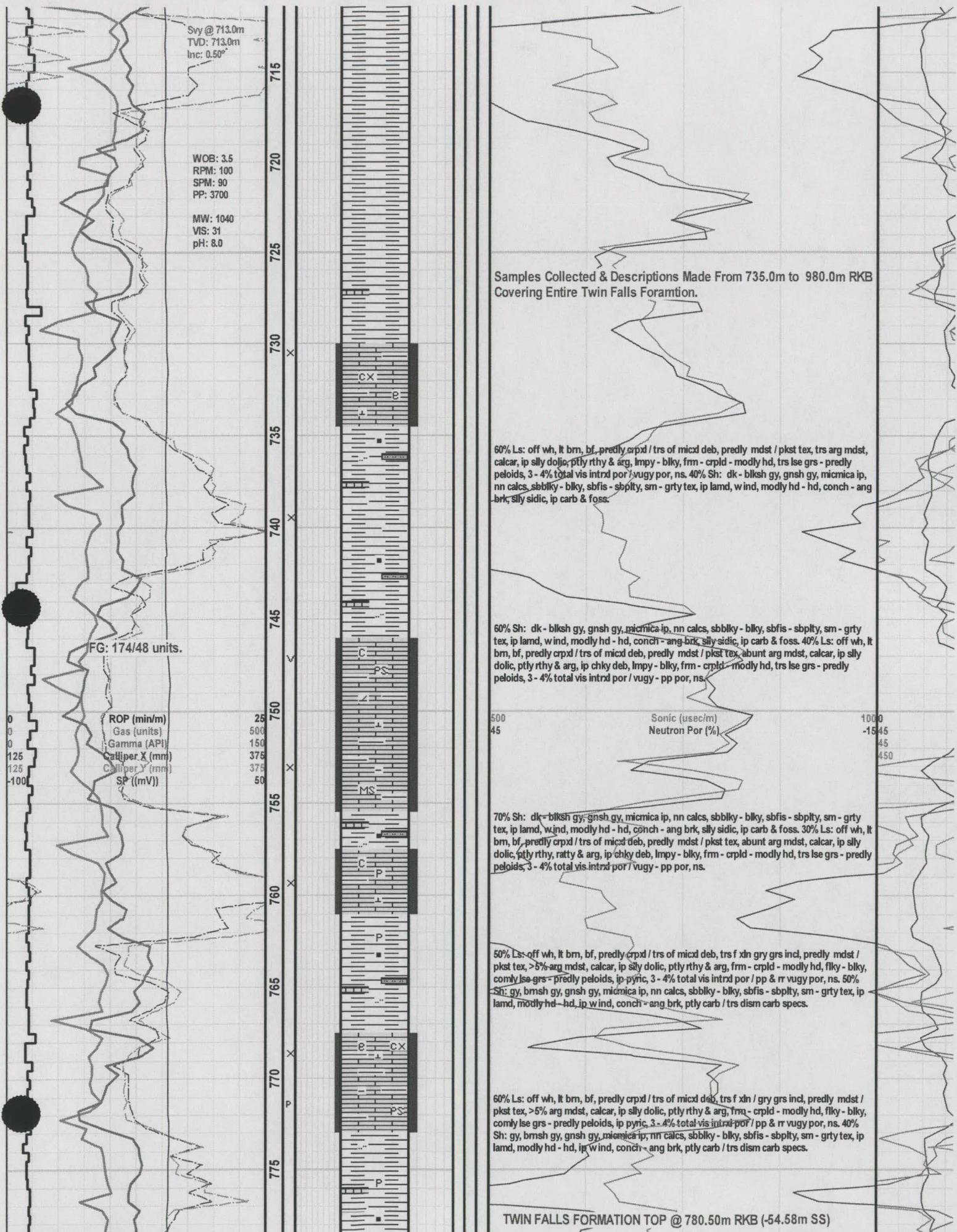


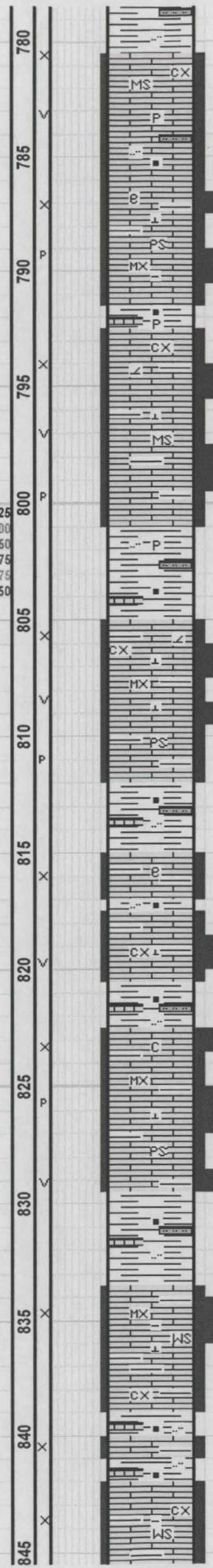
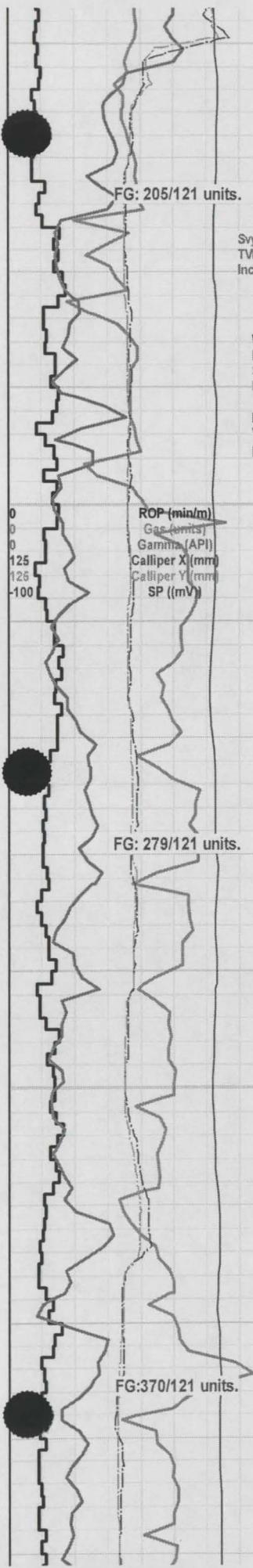








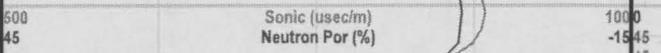




80% Ls: off wh, lt brn, bf, predly crpxd / trs of micx deb, occly f xin gry grs incl, predly mdst / pkst tex, trs arg mdst, calcar, ip sly dolic, ptly rhy & arg, frm - modly hd, filky - blky, comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intrd por / pp & rr vugy por, ns. 20% Sh: gy - brmsh gy, gnsh gy, micmica ip, nn calcs, sbbly - blky, sbfis - sbpfty, sm - gryt tex, ip lAMD, modly hd - hd, conch - ang brk, ptly carb / trs dsm carb spcs/ptly dull rhy tex.

100% Ls: off wh, lt brn, bf, predly crpxd / trs of micx deb, occly f xin gry grs incl, predly mdst / pkst tex, trs arg mdst, sly calcic, ip sly dolic, ptly rhy & arg, frm - modly hd, filky - blky, comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intrd por / pp & rr vugy por, ns. <10% brmsh - gnsh gy, dk gy, nn - sly calcs, sm - gryt tex, modly hd - hd, wind, conch - ang brk, ip carb.

100% Ls: off wh, lt brn, bf, predly crpxd / trs of micx deb, occly f xin gry grs incl, predly mdst / pkst tex, trs arg mdst, sly calcic, ip sly dolic, ptly rhy & arg, frm - modly hd, filky - blky, comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intrd por / pp & rr vugy por, ns. <10% brmsh - gnsh gy, dk gy, nn - sly calcs, sm - gryt tex, modly hd - hd, wind, conch - ang brk, ip carb.



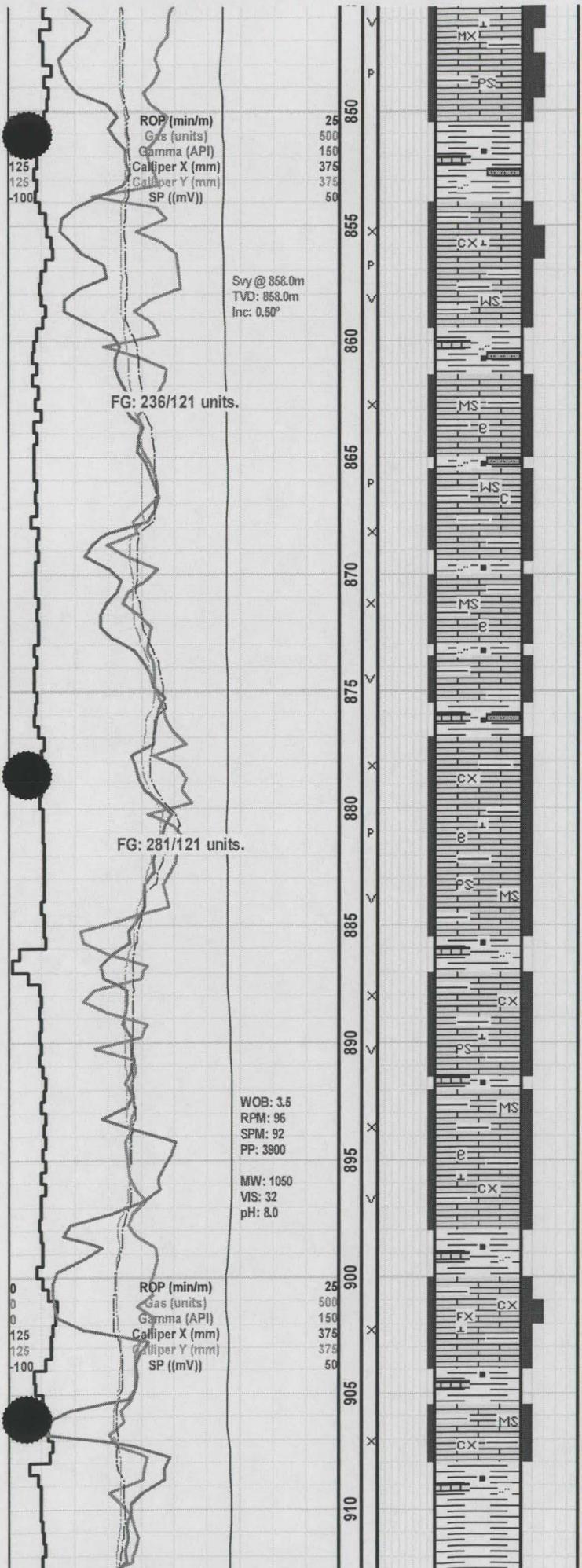
100% Ls: off wh, lt brn, bf, predly crpxd / trs of micx deb, occly f xin gry grs incl, predly mdst / pkst tex, trs arg mdst, sly calcic, ip sly dolic, ptly rhy & arg, ptly chky, frm - modly hd, filky - blky, comly lse grs - predly peloids, ip pyric / trs lse pyr grs, 3 - 4% total vis intrd por / pp & rr vugy por, ns. <10% brmsh - gnsh gy, dk gy, nn - sly calcs, sm - gryt tex, modly hd - hd, wind, conch - ang brk, ip carb.

80% Ls: off wh, lt brn, tan, predly crpxd / trs of micx deb, ip v f xin & gry, predly mdst / ptly pkst tex, trs arg mdst & chky deb, ip biostl, calcar, ip arg & dolic, ptly rhy & ratty, frm - crpld - modly hd, lmpy - blky, comly lse grs - predly peloids, 3 - 5% total vis intrd / vugy & pp por, ns. 20% Sh: gnsh gy, gy - brmsh gy, ip micmica, sly calcs, sbbly - blky, sbfis - sbpfty, sm - gryt tex, ip lAMD, modly hd, ptly carb, ptly dull rhy tex, occur as thin lam, ip foss.

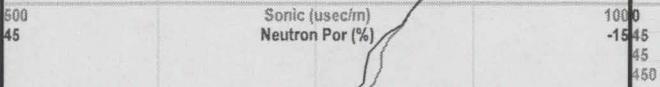
80% Ls: off wh, lt brn, tan, predly crpxd / trs of micx deb, ip v f xin & gry, predly mdst / ptly pkst tex, trs arg mdst & chky deb, ip biostl, sly calcic, ip arg & dolic, ptly rhy & ratty, frm - crpld - modly hd, lmpy - blky, comly lse grs - predly peloids, 3 - 5% total vis intrd / vugy & pp por, ns. 20% Sh: gnsh gy, gy - brmsh gy, ip micmica, sly calcs, sbbly - blky, sbfis - sbpfty, sm - gryt tex, ip lAMD, modly hd, ptly carb, ptly dull rhy tex, occur as thin lam, ip foss.

90% Ls: off wh, lt brn, tan, predly crpxd / trs of micx deb, predly mdst / ptly pkst tex, ip suc / trs arg mdst & chky deb, ip biostl, sly calcic, ip arg, ptly rhy & ratty, frm - crpld - modly hd, lmpy - blky, comly lse grs - predly peloids, 4 - 6% total vis intrd / vugy & pp por, ns. 10% Sh: gnsh gy, gy - brmsh gy, ip micmica, sly calcs, sbbly - blky, sbfis - sbpfty, sm - gryt tex, ip lAMD, modly hd, ptly carb, ptly dull rhy tex, occur as thin lam, ip foss.

90% Ls: off wh, lt brn, tan, predly crpxd / trs of micx deb, predly mdst / ptly pkst tex, ip suc /



tr s arg mdst & chky deb, ip biostl, sly calcic, ip arg, pty rhy & ratty, frm - crpld - modly hd, lmpy - blky, comly lse grs - predly peloids, 4 - 6% total vis intrd / vugy & pp por, ns. 10% Sh: gnsh gy, gy, brmsh gy, ip micmica, sly calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd, pty carb, pty dull rhy tex, occur as thin lam, ip foss.)



80% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, rr sly dolic, pty rhy & ratty & arg, frm - crpld - modly hd, lmpy - blky - sbblky, comly lse grs - predly peloids, 3 - 6% total vis intrd por / vugy & pp por, ns. 20% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex, occur as thin lam.

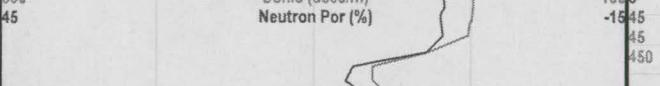
80% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, rr sly dolic, pty rhy & ratty & arg, frm - crpld - modly hd, lmpy - blky - sbblky, comly lse grs - predly peloids, 3 - 6% total vis intrd por / vugy & pp por, ns. 20% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex, occur as thin lam.

80% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, trs arg mdst & chky deb, ip biostl, calcar, rr sly dolic, pty rhy & ratty & arg, frm - crpld - modly hd, lmpy - blky - sbblky, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy & pp por, ns. 20% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex.

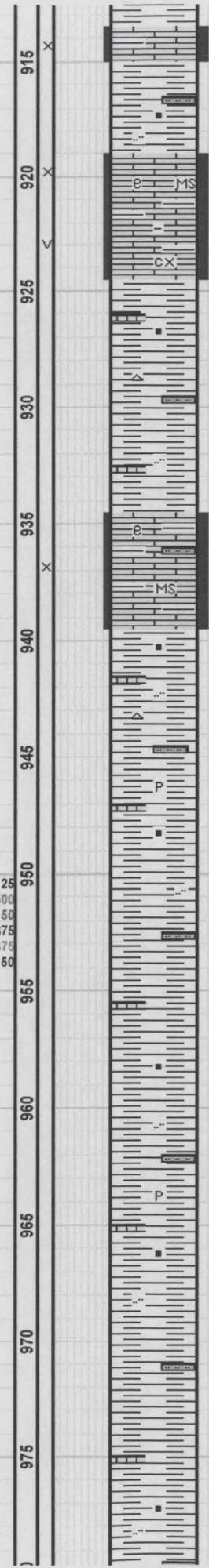
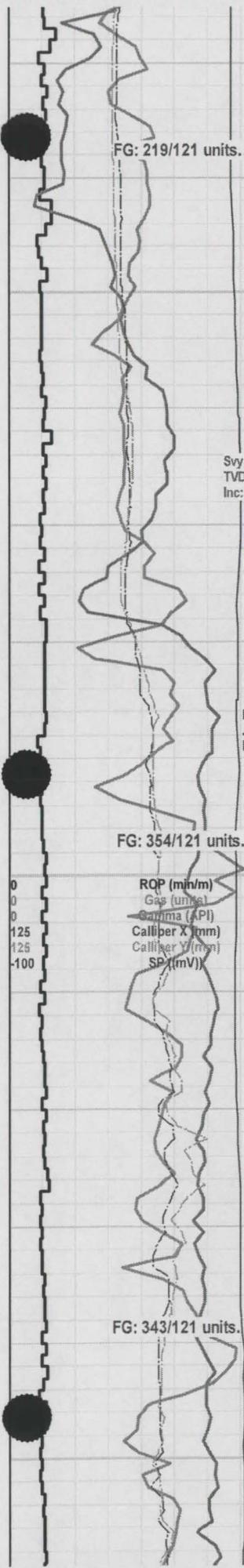
70% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, ip biostl, sly calcic, pty rhy & ratty & arg, ip chky, frm - modly hd, blky - sbblky - blky, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy & pp por, ns. 30% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex.

70% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, ip biostl, sly calcic, pty rhy & ratty & arg, ip chky, frm - modly hd, blky - sbblky - blky, comly lse grs - predly peloids, 3 - 5% total vis intrd por / vugy & pp por, ns. 30% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex.

70% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, ip biostl, sly calcic, pty rhy & ratty & arg, ip chky, frm - modly hd, blky - sbblky - blky, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns. 40% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex.



60% Ls: off wh, lt brn, predly crpxd / trs of micrd deb, predly mdst / pty pkst tex, ip biostl, sly calcic, pty rhy & ratty & arg, ip chky, frm - modly hd, blky - sbblky - blky, comly lse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns. 40% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip lmd, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex, occur as thin lam.



50% Ls: off wh, lt brn, predly crpx / trs of micxd deb, predly mdst / pty pkst tex, ip biostl, silty calcic, pty rhy & ratty & arg, ip chky, frm - modly hd, flky - sbblky - blky, comly lsse grs - predly peloids, 3 - 4% total vis intrd por / vugy por, ns. 50% Sh: gnsh gy, gy, brmsh gy, ip micmica, nn calcs, sbblky - blky, sbfis - sbplty, sm - grty tex, ip land, modly hd - hd, conch - ang brk, pty carb, pty dull rhy tex, trs lsst strgs incl.

70% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, pty dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, >5% lsst strgs incl, trs cht frags, ip foss. 30% Ls: off wh, lt brn, tan, predly crpx / trs of micxd deb, predly mdst / pty pkst tex, ip biostl, silty dolic, trs arg mdst & chky deb, pty rhy & arg, 3% total vis intrd por / vugy por, ns.

70% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, pty dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, >5% lsst strgs incl, trs cht frags, ip foss. 30% Ls: off wh, lt brn, tan, predly crpx / trs of micxd deb, predly mdst / pty pkst tex, ip biostl, silty dolic, trs arg mdst & chky deb, pty rhy & arg, 3% total vis intrd por / vugy por, ns.

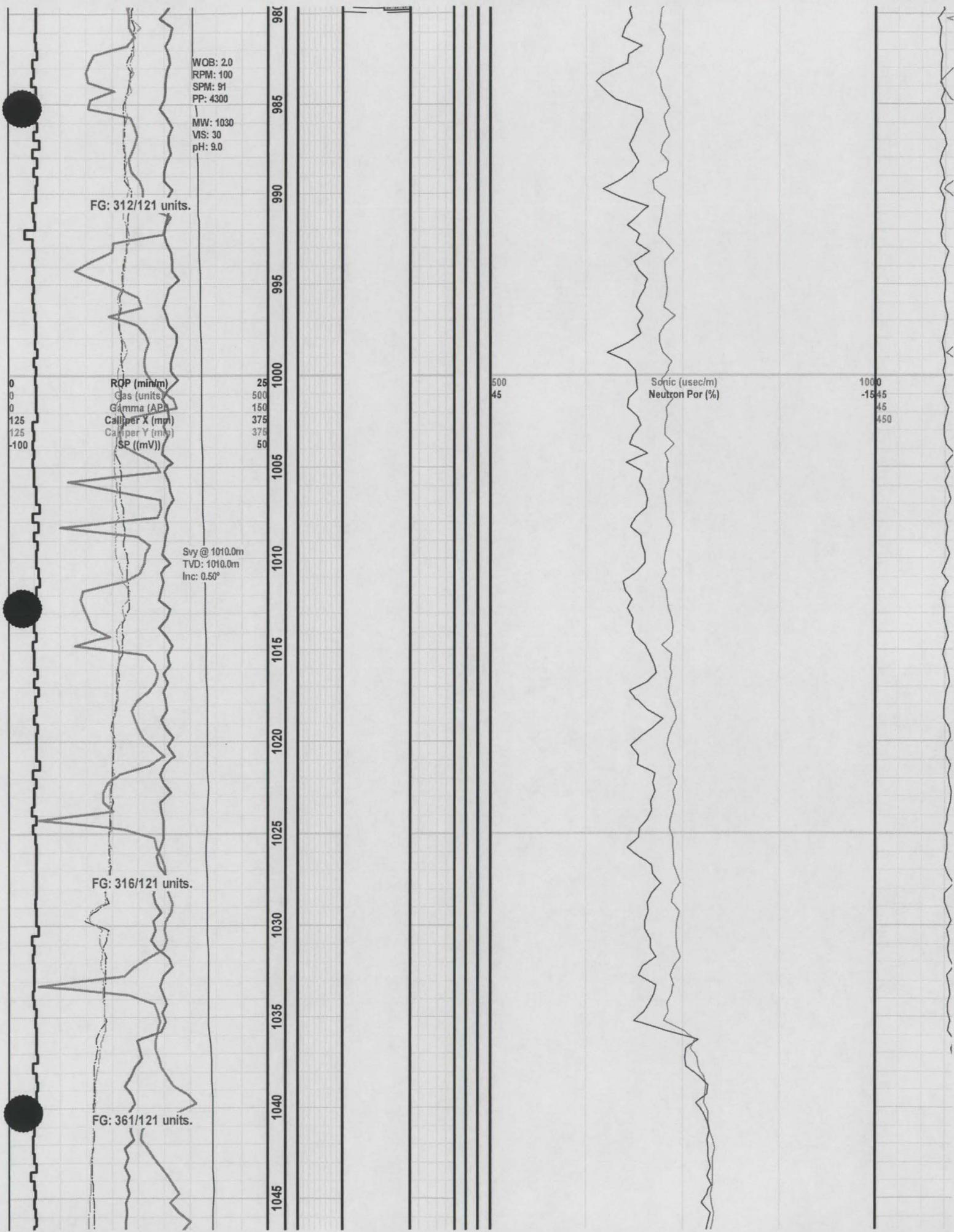
HAY RIVER FORMATION TOP @ 939.5m RKB (-213.58m SS)

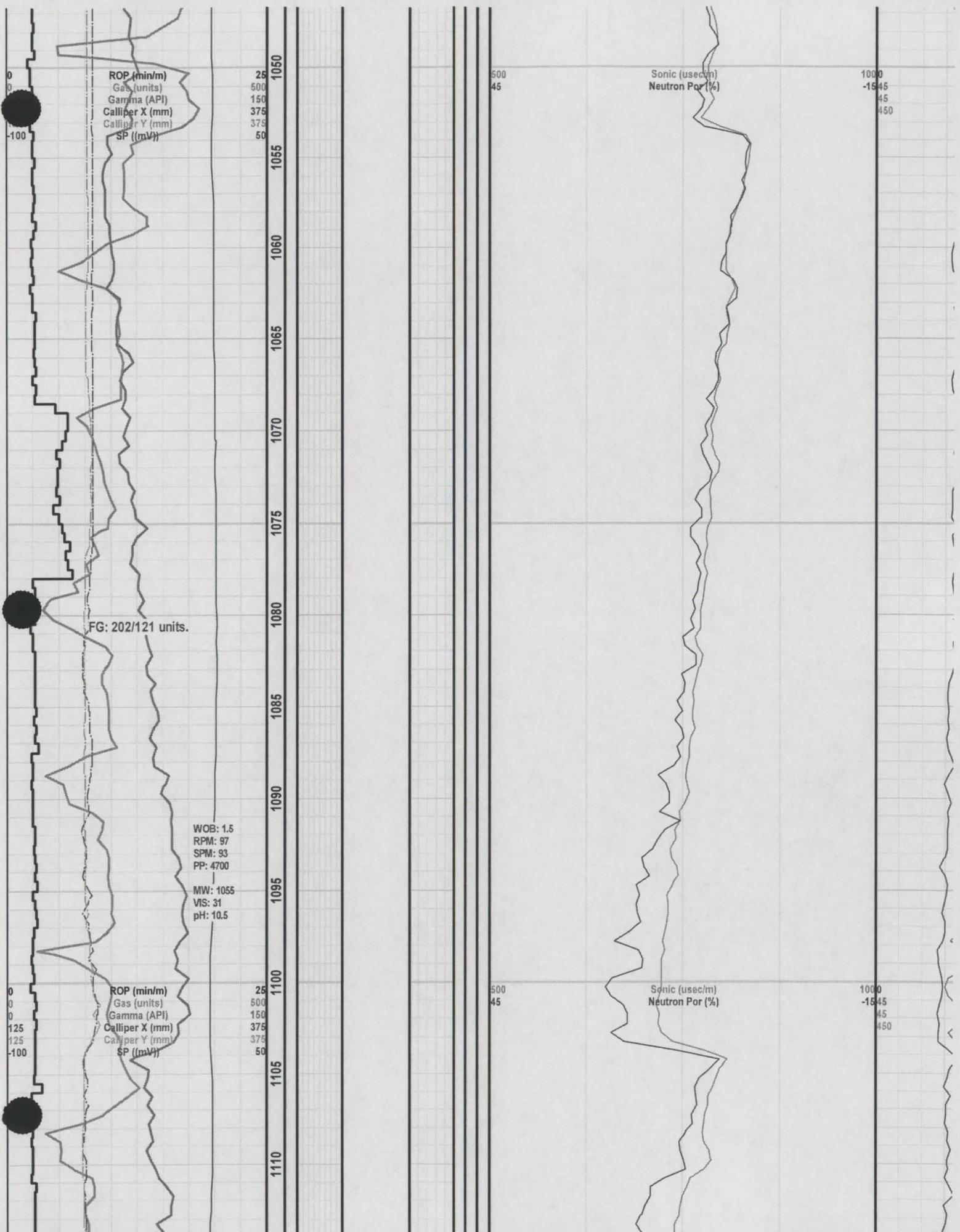
90% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, pty dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, >5% lsst strgs incl, ip foss. 10% Ls: off wh, lt brn, tan, predly crpx / trs of micxd deb, predly mdst / pty pkst tex, ip biostl, sily dolic, occur as thin lam, trs arg mdst & chky deb, pty rhy & arg, max 3% total vis intrd por / vugy por, ns.

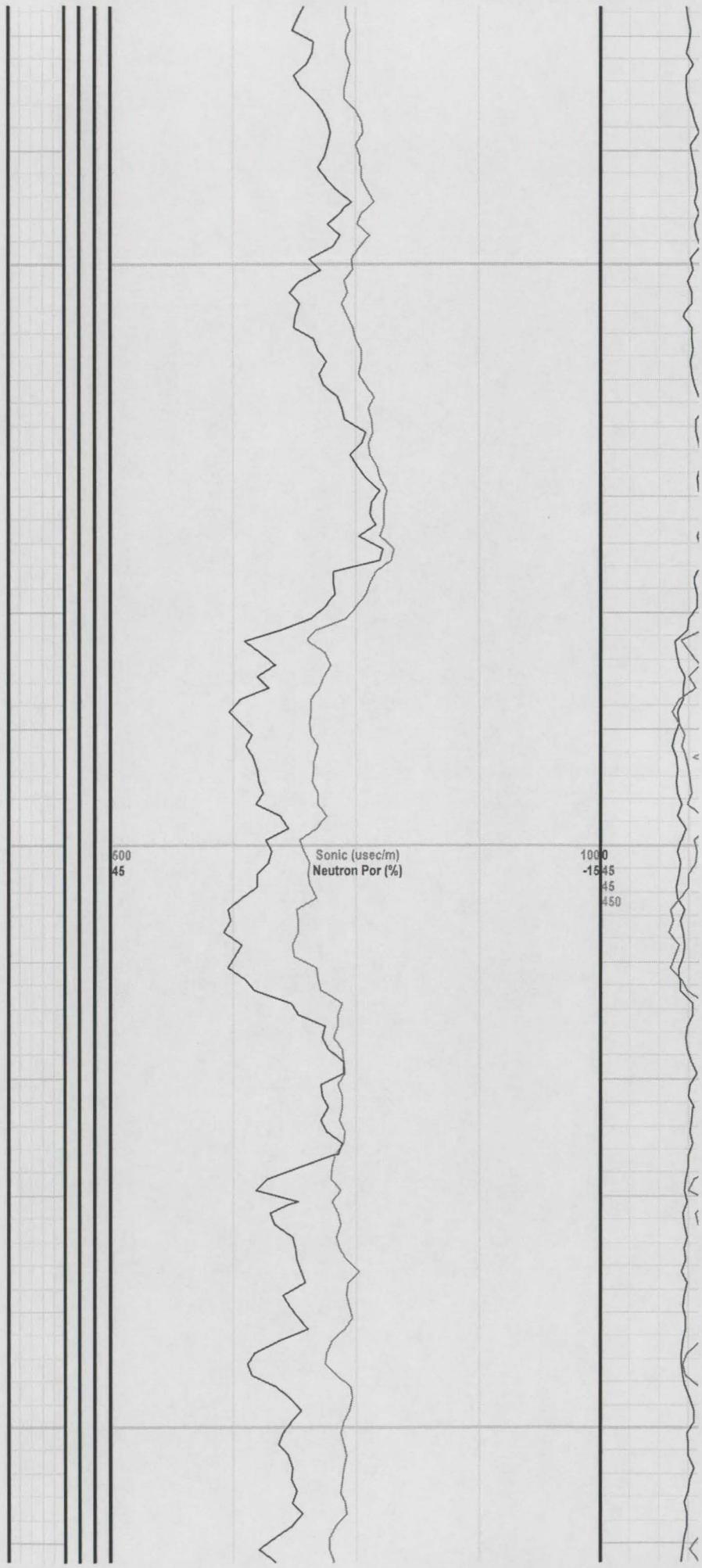
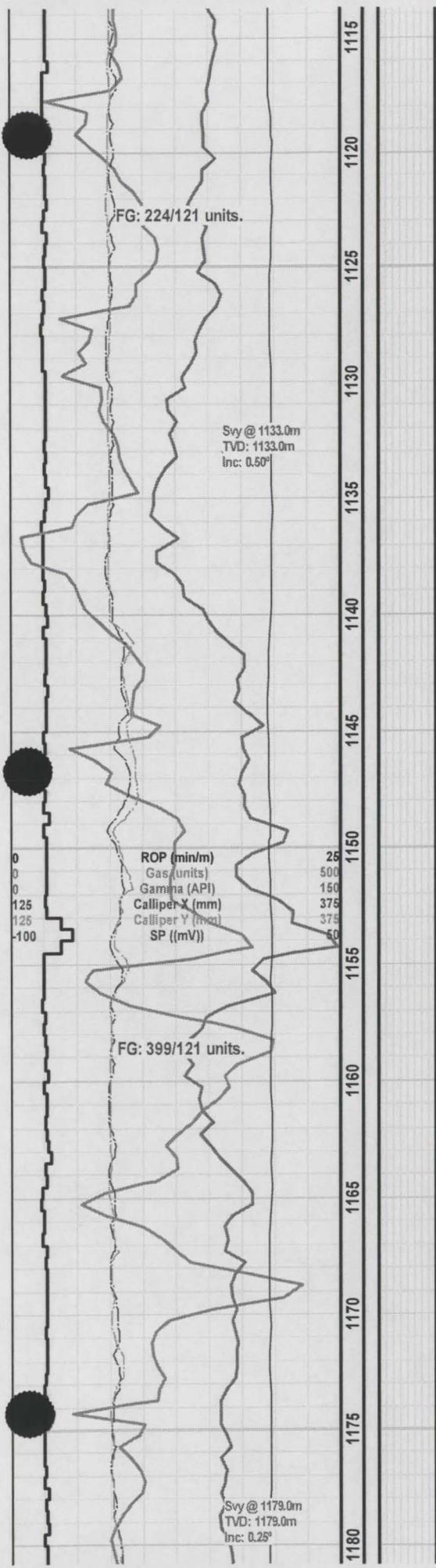
500 1000
45 1545
Sonic (usec/m)
Neutron Por (%)
100% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, pty dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, >5% lsst strgs incl, ip foss. <10% off wh, lt brn, predly mdst / pty pkst tex, ip biostl ls.

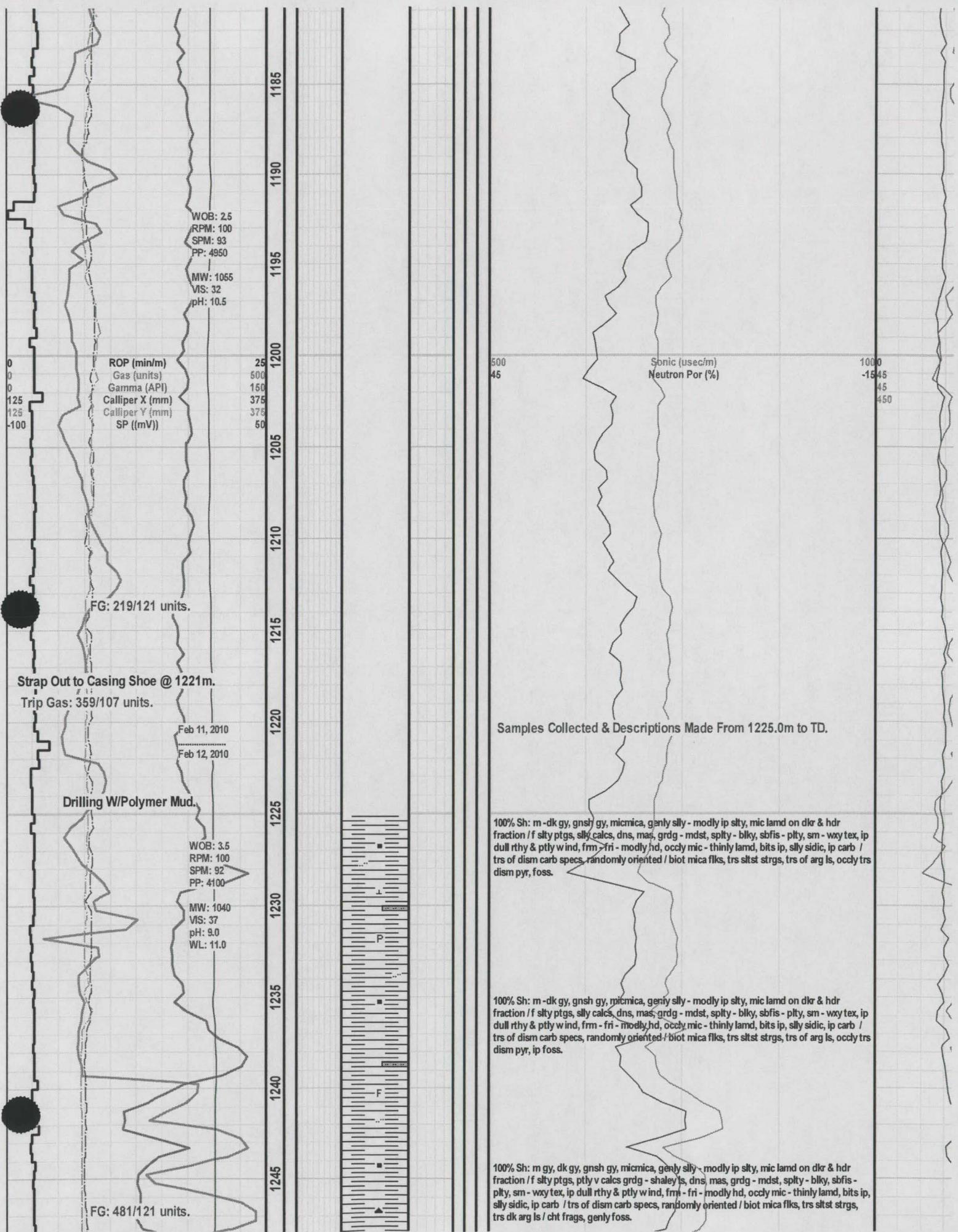
100% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, ip dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, trs of pyr grs, >5% lsst strgs incl, ip foss. >5% off wh, lt brn, predly mdst / pty pkst tex, ip biostl ls.

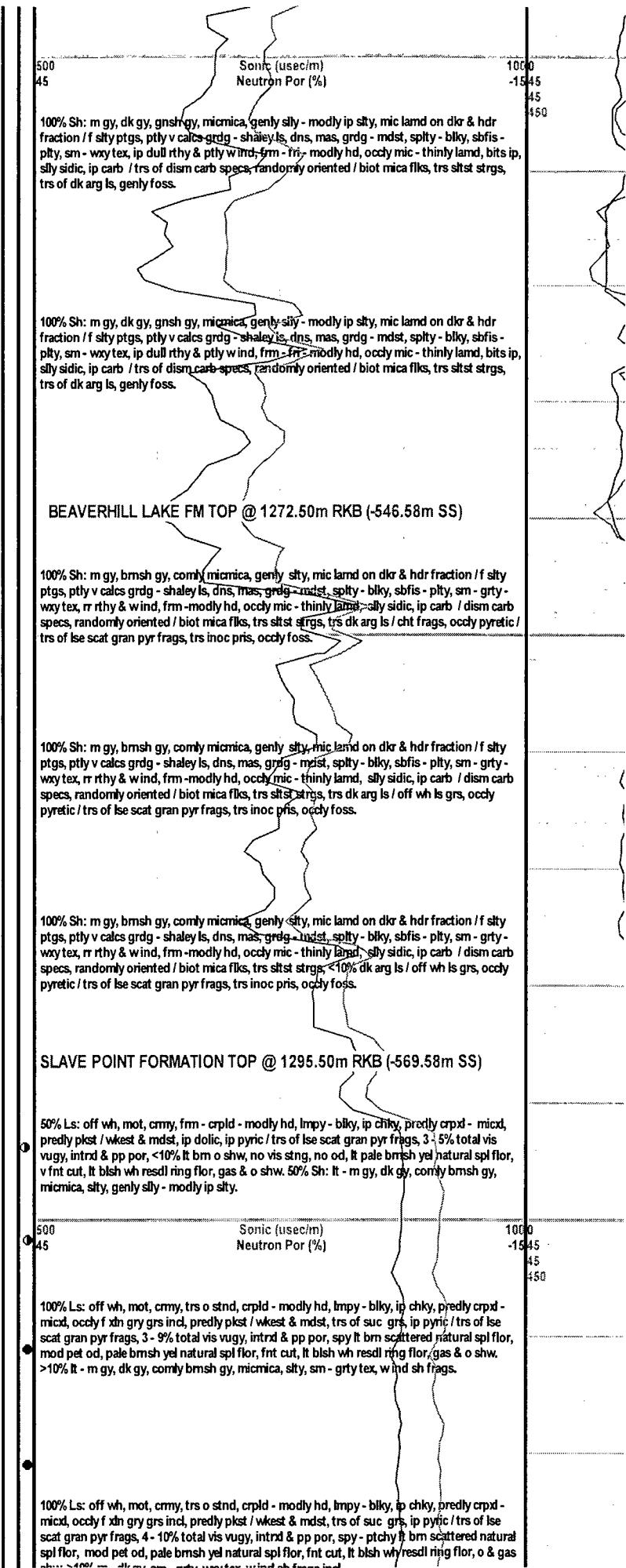
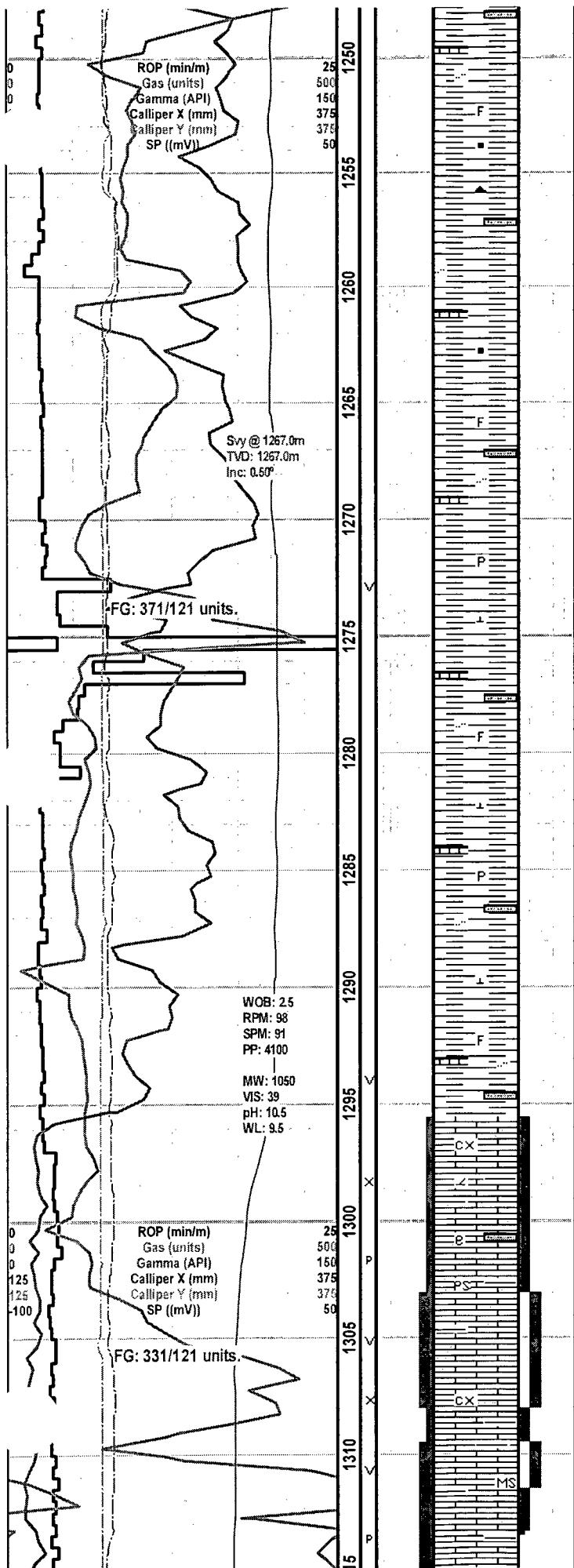
100% Sh: gnsh gy, gy, brmsh gy, micmica, genly silty - modly silty, mic land on dkr & hdr fraction, calcs, dns, mas, amor - blky, fis - pty, sm - grty tex, wind, ip dull rhy, farm - modly hd, ip thinly land, sily sidic, pty carb, rr pyr grs, >5% lsst strgs incl, ip foss. >5% off wh, lt brn, predly mdst / pty pkst tex, ip biostl ls.

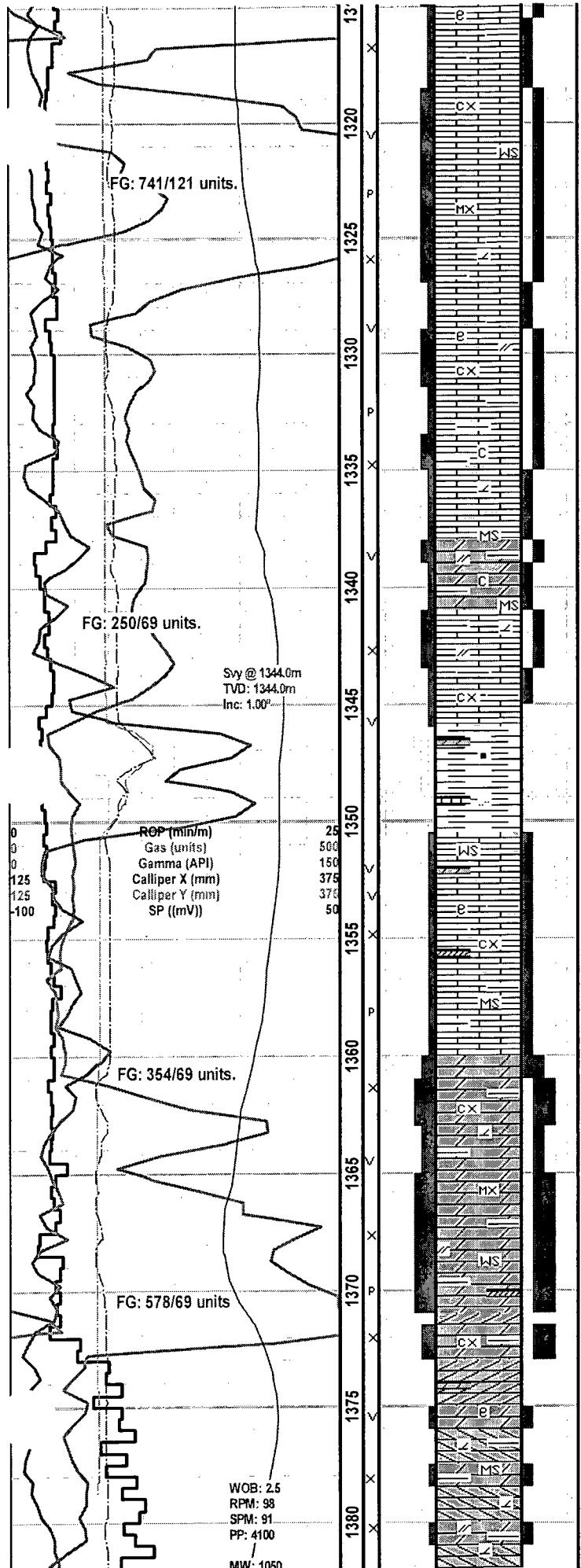












Shw: >10% m - dk gy, sm - grty wxy tex, wind sh frags incl.

100% Ls: bm, tan, off wh, lt yel / dk bm stn, mot, frm, fri - crpld - modly hd, lmpy - blky, predly crpld / micd & trs v f xin deb, predly pkst - wkest tex, pty mdst, intcls & occly biol deb, calcar, pty rhyth & arg, ip dolic & anhyic, loc bits ptgs, >5% gy, dk gy, brsh gy sh frags ind, trs pyric grs / trs of lse scat gran pyr frags, 3-8% total vis intrd, vugy & pp por, sl pet od, spt yl bm natural spl flor, slow fnt cut, pale yelsh bm resdl ring flor, o & gas shw.

F4 MARKER FORMATION TOP @ 1336.50m RKB (-610.58m SS)

100% Ls: bm, tan, off wh, lt yel / dk bm stn, mot, frm, fri - crpld - modly hd, lmpy - blky, predly crpld / micd & trs v f xin deb, predly pkst - wkest tex, pty mdst, intcls & occly biol deb, calcar, pty rhyth & arg, ip dolic & anhyic, loc bits ptgs, >5% gy, dk gy, brsh gy sh frags ind, trs pyric grs / trs of lse scat gran pyr frags, 3-8% total vis intrd, vugy & pp por, sl pet od, spt yl bm natural spl flor, slow fnt cut, pale yelsh bm resdl ring flor, o & gas shw.

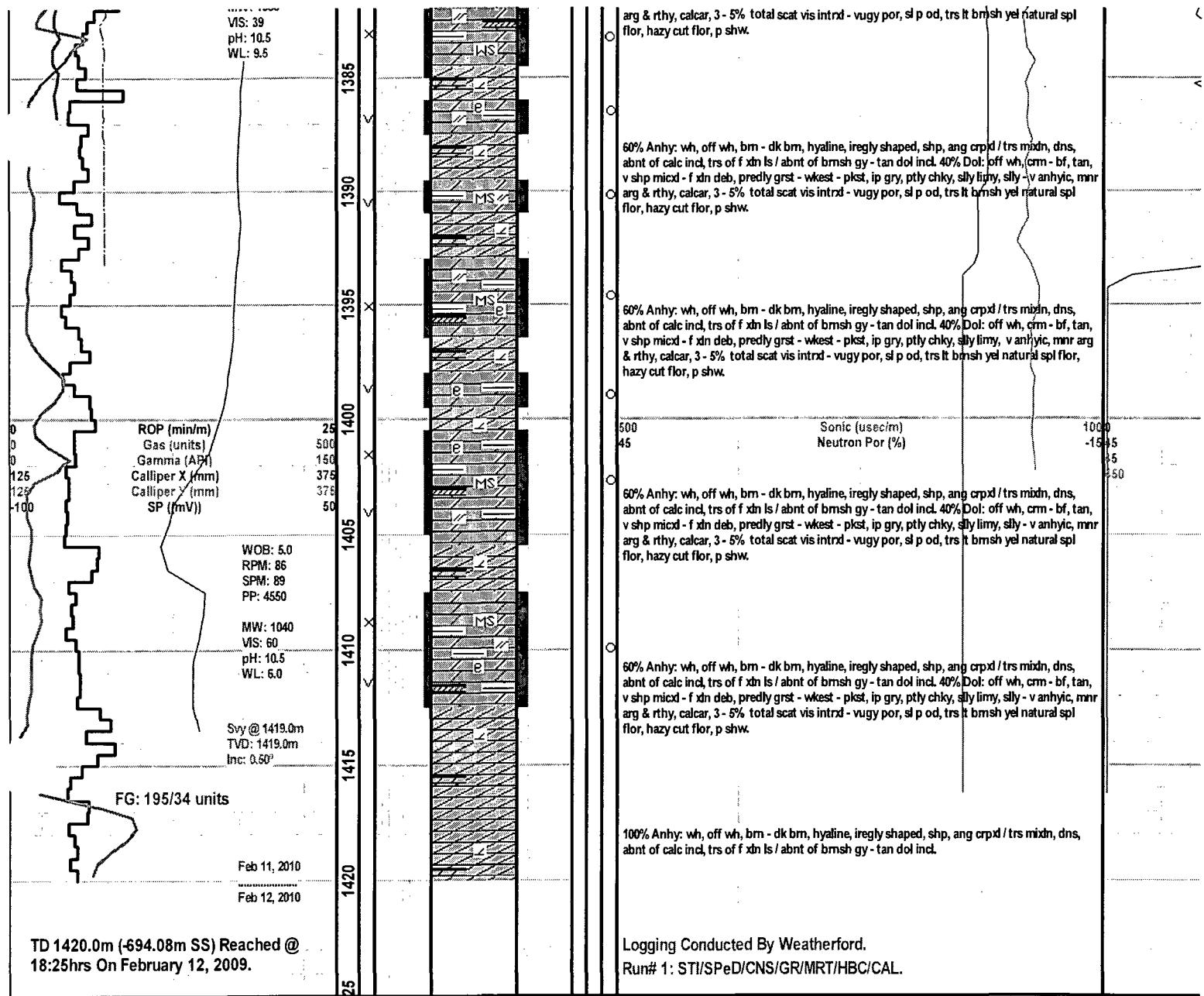
SULPHUR POINT FM LS TOP @ 1350.50m RKB (-624.58m SS)

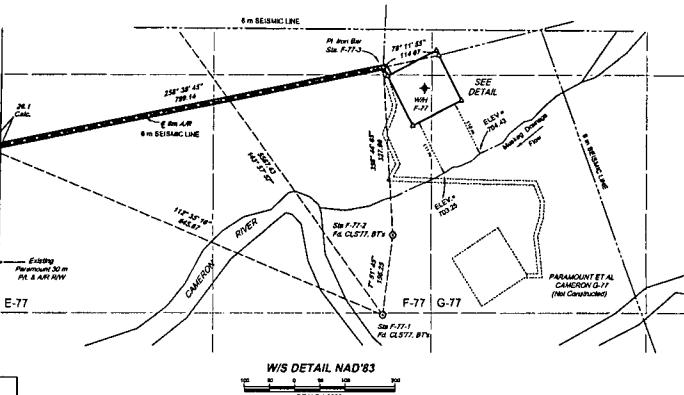
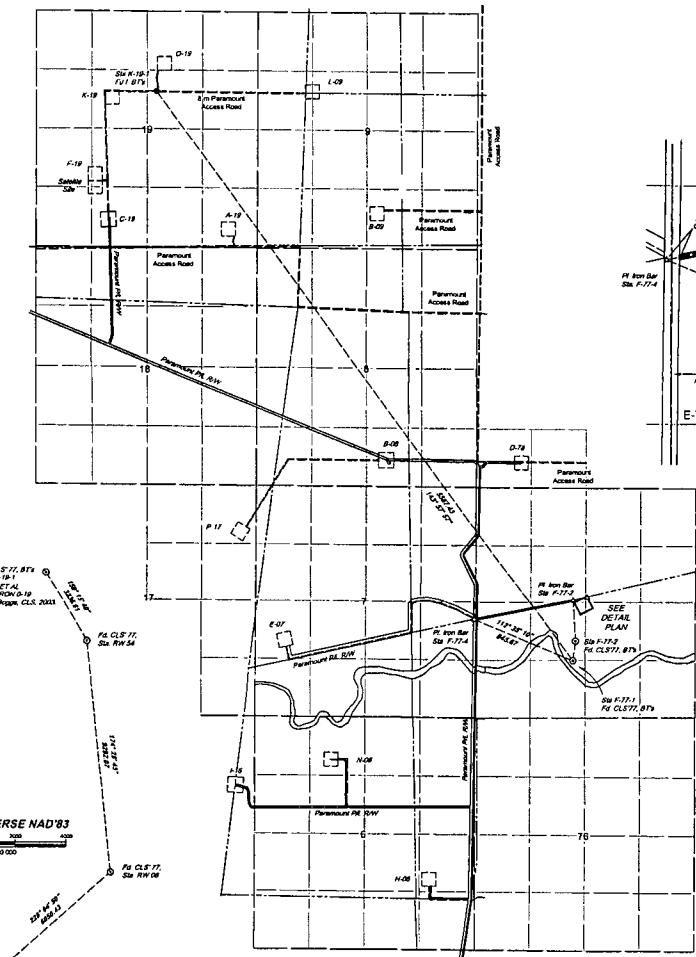
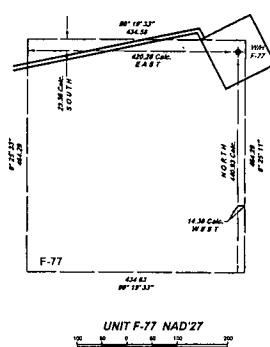
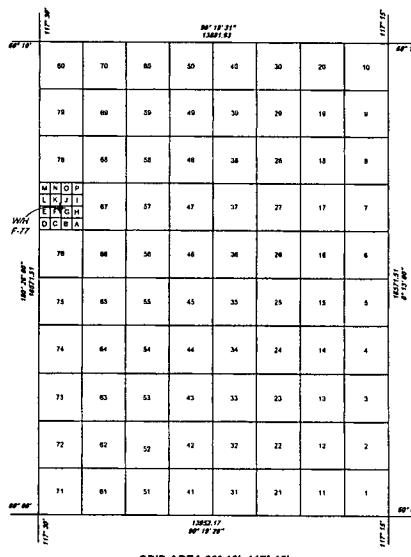
100% Ls: off wh, crm - bf, mot, v shp - dns crpld - deb, trs micd / f xin grs, predly wkest - pkst, ip chky & arg, sily dolic, modly hd, lmpy - blky, intcls & occly biol deb, trs intcls incl, >10% dk - brsh gy wxy, wind sh frags / trs anhyic grs, 4-9% total scat vis vugy & intrd - mf por, no vis stng, spt yl brsh yel natural spl flor, o shw(?)

100% Dol: off wh - lt bm, tan - bf, o stn, v shp dns, mas, ip micd - tetrahedral xin deb, predly wkest - pkst, predly grmy & suc, rr chky, sily limy, ip arg & sily calcic, trs calc ind, rr / bits ptgs, sily anhyic, <5% wxy sh incl, trs of anhy, 5-14% total scat vis intrd, pp & vugy por, no vis stng, strong pet od / even dk brsh yel o stn, lt brsh yel natural spl flor, gnsy yel stng cut flor, pale brsh yel resdl ring flor, o & gas shw.

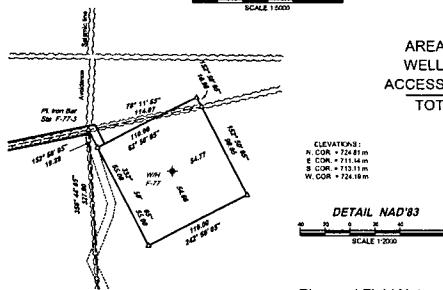
MUSKEG FORMATION TOP @ 1371.00m RKB (-645.08m SS)

60% Dol: off wh, crm - bf, tan, v shp micd - f xin deb, predly grst - wkest - pkst, ip grt, pty chky, sily limy, sily - v anhyic, mnr arg & rhyth, calcar, 3-5% total scat vis intrd, vugy por, sl pet od, trs lt brsh yel natural spl flor, hazy cut flor, p shw. 40% Anhy: wh, off wh, bm - dk bm, hyaline, irregly shaped, shp, ang crpld / trs micd, ip chky, abnt of calc incl, trs of f xin ls / abnt of brsh gy - tan dol incl. 30% Dol: off wh, crm - bf, tan, v shp micd - f xin deb, predly grst - wkest - pkst, ip grt, pty chky, sily limy, sily - v anhyic, mnr





AREA REQ'D WITHIN
WELL SITE = 1.21 ha
ACCESS ROAD = 0.636 ha
TOTAL = 1.846 ha



Plan and Field Notes
of (As Built) Survey of
PRODUCTION WELL
PARA ET AL CAMERON F-77

within UNIT H, SECTION 06
GRID AREA 60° 10', 117° 15'
NORTHWEST TERRITORIES
CANADA OIL AND GAS REGULATIONS
PRODUCTION LICENCE NO. PL#014

THIS SURVEY WAS EXECUTED BETWEEN THE
DATES OF OCTOBER 14TH, 2009 TO MARCH 20TH, 2010
BY GREG BOGGS, CLS

Surveyed for
PARAMOUNT RESOURCES LTD.

GEOGRAPHIC AND UTM COORDINATES - NAD '27					
STATION	LATITUDE (N)	LONGITUDE (W)	NORTHNG	EASTING	
GRID AREA 80° 17, 117° 15'					
N E	60° 10' 00.00"	117° 15' 00.00"	8689782.774	4861325.298	
N W	60° 10' 00.00"	117° 30' 00.00"	8689811.560	4722500.652	
S W	60° 00' 00.00"	117° 30' 00.00"	8651310.910	4721164.252	
S E	60° 00' 00.00"	117° 15' 00.00"	8651310.974	4721230.974	
UNIT F-77					
N E	60° 07' 30.00"	117° 29' 03.74"	8683370.070	473070.21	
N W	60° 07' 30.00"	117° 29' 31.87"	8683370.070	472353.98	
S W	60° 05' 15.00"	117° 29' 31.87"	8682904.52	4721212.42	
S E	60° 07' 15.00"	117° 29' 03.74"	8682904.56	4720368.81	
3TA K-1b:1					
	60° 07' 29.65"	117° 32' 44.30"	8687409.02	486870.36	
WHD F-77					
	60° 06' 29.26"	117° 29' 04.67"	8661144.82	4730565.75	

ADDITIONAL LOCATION TRAVERSE NAD '83					
		000	200	400	600
		SCALE 1:20 000			

WELL SITE COORDINATES SHOWN ARE BASED ON FD. CL5777 POST
STA K-181, WIS PLAN ____ CLSR, BY GREG BOGGS, GLS
HELD FOR VERTICAL AND HORIZONTAL CONTROL.
(SEE RETURN TRAVERSE FOR CONFIRMATION)
FINAL COORDINATES WERE CALCULATED IN NAD83 AND CONVERTED TO
NAD 72 USING NATIONAL TRANSFORMATION VERSION 2 PROGRAM

LEGEND
 Monument found (Border Monuments) shown that.....
 C.S. 77 Post shown that.....
 Alberta/Statuary Iron Post found shown that.....
 Alberta/Statuary Iron Post placed shown that.....
 Iron Spikes placed shown that.....
 Calculated Position shown that.....
 Production WH Position shown that.....
 Distances are in miles and decimal thereof
 Distances referred to 100th Meridian, Alberta, Canada, bounded them

UTM coordinates are computed for Zone 11, Central Meridian 117° W. Bearings are UTM and were derived from orthometric, corrected GPS Observations, and are referred to Meridian 117° W. Measured distances shown are ground distances, reduced by Combined Scale Factor of 0.999494 Distances on grid area subsections are UTM plane (NAD72). Elevations shown are orthometric elevations, as measured on Station K-15-1 and thus derived from published elevation of Border Monuments #793. All dimensions shown on body of plan are based on NAD 27 (Original) datum. Refer to Field Book _____ for the survey report pertaining to the project.

SCALE: 1:5000	UNIVERSAL SURVEYS INC. 13111 - 128 Ave. Edmonton, Alberta, Canada T5J 6A2	UNIVERSAL JOB No. 09-1806 UNIVERSAL PLAN No. 091806L01 REVISION No. : A
DATE: JUNE 02,2010		



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

BILL TO: Paramont
Cameron Hills

FIELD TICKET

12349

DATE: Jan 29, 2010
ORDERED BY: Bernie
SIGNED BY: B. M. R.

LOCATION	DRILLING RIG	OIL COMPANY	P.O. NO.
<u>F 77-60-10-117-15</u>	<u>Precision 245</u>		
DRILLING AND DRIVING			
CONDUCTOR	<u>24" x 80'</u>	REMARKS	UNIT PRICE
RAT & MOUSE	<u>20" x 18' mouse 20" x 22' PAT</u>		<u>\$2.00</u>
CELLAR	<u>3" x 6'</u>		<u>\$2.00</u>
AIR HAMMER	<u>0' to 4' Sand Fll</u>	<u>Piggy Back of 35'</u>	
	<u>4' to 80' Clay & Rock</u>		
	<u>No water</u>		
TRAVEL			
DRILL UNIT	<u>592</u>	<u>468</u> km	<u>\$2.00</u>
SERVICE UNIT	<u>341</u>	<u>468</u> km	<u>\$2.00</u>
AIR HAMMER			
PARAMOUNT RESOURCES LTD.			
WELL: <u>F 77-60-10-117-15</u>			
CODE: _____			
AFE: <u>090010009</u>			
FOREMAN: <u>Bernie Gobeth</u>			
CEMENT	<u>100 BAGS PORTLAND</u>	ATTENTION: <u>Rudy Kapitanuk</u>	<u>\$2.00</u>
CRIB	<u>3" x 6"</u>		<u>\$2.00</u>
MATERIALS			
CONDUCTOR PIPE	<u>16" x 40'</u>		<u>\$2.00</u>
LINER	<u>10"</u>		
CEMENT	<u>100 BAGS PORTLAND</u>		<u>\$2.00</u>
CRIB	<u>3" x 6"</u>		<u>\$2.00</u>
DRAINLINE			
TEETH			
POINTS			
WELDER			
<u>HotRod Billed Direct to Paramont</u>			
<u>Bid Price</u> <u>1000.00</u>			
DRILLER	<u>Doug</u>	SUB-TOTAL	<u>1000.00</u>
SWAMPER	<u>Denay & Matt</u>	G.S.T.	<u>550.00</u>
UNIT	<u>592 & 341</u>	TOTAL	<u>1550.00</u>
G.S.T. #R138086384			



Daily Drilling
Well Name: PARA ET AL CAMERON F-77
Business Unit: NE BC & NWT COU
Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/4/2010
Report #: 1.0
Depth Progress:
Total AFE Amount: 1,437,304.00
AFE Number: 09N010009
Daily Cost: 23,036
Cum Cost to Date: 23,036

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: -1.04 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -38	Lease Condition	
Operation at 6am			
Operations Summary			
Operations Next Report Period			
Remarks			
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
00:00	07:45	7.75	7.75	Tear down	TEAR DOWN FOR MORNING MOVE
07:45	08:00	0.25	8.00	Safety meeting	HAND OVER MEETING
08:00	08:15	0.25	8.25	Safety meeting	SAFETY MEETING W/MULLEN AND CREW MOVE FROM H-06 TO F-77
08:15	16:00	7.75	16.00	Move rig	MOVE RIG W/MULLEN
16:00	18:30	2.50	18.50	Move rig	MOVE RIG W/MULLEN
18:30	18:45	0.25	18.75	Safety meeting	HAND OVER MEETING
18:45	21:30	2.75	21.50	Rig up	RIG UP POWER,STEAM AND ALL RELATED EQUIPMENT
21:30	21:45	0.25	21.75	Safety meeting	SAFETY MEETING W/CREW PRIOR TO RAISE DERRICK
21:45	22:45	1.00	22.75	Rig up	VISUALLY INS DERRICK PRIOR TO RAISE DERRICK BY ROMEO DASTOUS AND ERICK BIGRAS. DERRCK RAISED @ 22:30HRS
22:45	23:00	0.25	23.00	Safety meeting	SAFETY MEETING W/WELDER
23:00	00:00	1.00	24.00	Other	WELD DIVERTER FLANGE AND FLOW SHOW

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 (%)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/4/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 23,036

Cum Cost to Date: 23,036

API/UWI 300/F-77/6010-11715/0		Surface Legal Location F-77/6010-11715/0		Field Name CAMERON HILLS		License No. 2065		
Spud Date 2/6/2010 01:00				Rig Release Date 2/15/2010 8:00:00 AM		DFS: -1.04 days		
Ground Elevation (m) 720.17		Original KB Elevation (m) 725.92		KB-Casing Flange Distance (m) 4.20				
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						
2/4/2010	Safety Meeting	RIG MOVE						
2/4/2010	Safety Meeting	RUG UP						
2/5/2010	Safety Meeting	NIPPLE UP DIVERTER						
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)	
FORMATION								
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)						
F4								
Watt Mtn Fm								
Sulphur Point Fm								
Muskeg Fm								
TD								



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/5/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 287,582

Cum Cost to Date: 310,618

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: -0.04 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather ICE FOG	Temperature (°C) -13	Lease Condition	
Operation at 6am			
DRILLING 311MM HOLE @ 62.00			
Operations Summary WELDED CONDUCTOR FLANGE, INSTALLED DIVERTER AND RIGGED UP FLARE TANK. INSTALLED SNOW RAMPS AND FROZE IN WITH CONSTRUCTION WATER TRUCKS ORGANIZED MUD PRODUCT			

Operations Next Report Period
SPUD F-77 AND DRILL AHEAD

Remarks

COMPLETED CAODC CHECKLIST AND HAZARD HUNT
CONTINUED WITH FLOODING OF BACK END OF THE RIG, WATERED THE BERM TO ENSURE INTEGRITY IN CUTTINGS STORAGE AREA

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
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	02:00	2.00	2.00	Other	WELD DIVERTER FLANGE AND FLOW SHOW
02:00	06:00	4.00	6.00	Nipple up/down diverter system	NIPPLE UP/DIVERTER SYSTEM + DIVERTER LINE IN FLARE TANK, CHANGE HAMMER UNION ON DIVERTER LINE
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER MEETING
06:15	07:15	1.00	7.25	Nipple up/down diverter system	CONT TO NIPPLE UP DIVERTER + DIVERTER LINE AND FLOW LINE + HCR COVER ON FLOW SHOW.
07:15	08:00	0.75	8.00	Rig up	RIG UP 3RD PARTY EQUIPMENT + RIG
08:00	16:00	8.00	16.00	Rig up	STEAMED OFF AND CHANGED SHAKE BINS, INSTALLED ONE 84 AND ONE 110 MESH SCREEN, ORGANIZED THE SHAKE BINS, MUD PRODUCT, RIG UP LIGHTING AROUND THE RIG, SPOTTED LIGHT TOWER, FINALIZED TIE ON OF FLARE TANK. BUILT UP SNOW RAMPS IN AND AROUND SHAKE BINS.
16:00	18:00	2.00	18.00	Rig up	CONSTRUCTION CREWS ASSISTING WITH LEASE PREPERATION
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER MEETING
18:15	00:00	5.75	24.00	Rig up	CONT TO RIG UP AND MIX MUD PRIOR TO SPUD AND PICK UP BHA @22:15 PM CHANGE HARD DRIVE IN TOOL PUSH SHACK AND PASON SATELLITE DISH.

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
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)		pH	PV Override (cp)	YP Override (Pa)

MUD ADDITIVES

Description	Cost (/unit)	Consumed



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/5/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 287,582

Cum Cost to Date: 310,618

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: -0.04 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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) 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) 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)

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
2/5/2010	Safety Meeting	RIG UP 3rd PARTY EQUIPMENT
2/5/2010	Safety Meeting	COMUNICACION
2/6/2010	Safety Meeting	HAZARD HUNT

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)
2/6/2010	21.00	0.50	0.00	21.00	0.09	0.00	0.09	0.71
2/6/2010	48.00	1.00	0.00	48.00	0.45	0.00	0.45	0.56

FORMATIONs

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
F4		
Watt Mtn Fm		
Sulphur Point Fm		
Muskeg Fm		
TD		



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010

Report #: 3.0

Depth Progress: 236.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 109,366

Cum Cost to Date: 419,984

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Fig Release Date 2/15/2010 8:00:00 AM	DFS: 0.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 0.0	Depth End (mKB) 236.0	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
--------------------------	--------------------------	--------------------------------	--------------------------------

Weather OVERCAST, CALM	Temperature (°C) -12	Lease Condition FROZEN AND FIRM
---------------------------	-------------------------	------------------------------------

Operation at 6am

DRILLING SURFACE HOLE TO 303 M @ 15+ M/HR

Operations Summary

RIGGED TO SPUD. SPUDED WELL @ 01:00. DRILLED AHEAD AND SURVEYED. MINOR LOSS CIRCULATION 152 - 172 M IN COURSE SANDS.

Operations Next Report Period

RUN AND CEMENT SURFACE CASING

Remarks

PRE-SPUD MEETING AND DISCUSSION OF DEALING WITH FROZEN / ICE LOCATIONS: CELLAR HEATERS POINTED UP, SAWDUST, GEL AND PLASTIC PLACED IN CELLAR WITH STRICT ORDERS TO NOT RUN A STEAM HOSE IN PIPE IN THE MOUSE HOLE. 1 LESS THAN 100 L MUD SPILL FROM SHALE BIN AND CLEANED-UP

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 Rig Manager	Job Contact ERICK BIGRAS	Phone Mobile
Title Drilling Foreman	Job Contact HALE YARDLEY	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
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	SAFETY MEETING	PRE SPUD SAFETY MEETING CREW, RIG MANAGER AND WELL SUPERVISER
00:15	00:45	0.50	0.75		HAZARD HUNT WITH CREW
00:45	01:00	0.25	1.00	RIG SERVICE	RIG SERVICE FUNCTION HYDRILL 18sec to close
01:00	02:00	1.00	2.00	DRILL	DRILL 311mm HOLE F/ 27M TO 31M
02:00	02:15	0.25	2.25	RIG SERVICE	RIG SERVICE & SET CROWN SAVER
02:15	04:45	2.50	4.75	DRILL	DRILL FROM 31M TO 51M
04:45	05:00	0.25	5.00	DEV. SURVEY	DEVIATION SURVEY
05:00	06:00	1.00	6.00	DRILL	DRILL FROM 51M TO 60 M
06:00	06:15	0.25	6.25	SAFETY MEETING	HAND OVER SAFETY MEETING
06:15	07:15	1.00	7.25	DRILL	DRILL FROM 60 M TO 78M
07:15	07:30	0.25	7.50	DEV. SURVEY	DEVIATION SURVEY 1DEG @ 48M
07:30	08:00	0.50	8.00	DRILL	DRILL 311mm HOLE F/ 78m TO 84m
08:00	08:15	0.25	8.25	RIG SERVICE	RIG SERVICE(FUNC. HYDRIL 19 SEC. TO CLOSE)
08:15	08:45	0.50	8.75	DRILL	DRILL 311mm HOLE F/ 84m TO 88m
08:45	09:00	0.25	9.00		FIX FLOW TEE
09:00	11:00	2.00	11.00	DRILL	DRILL 311mm HOLE F/ 88m TO 107m
11:00	11:15	0.25	11.25	DEV. SURVEY	SURVEY 77m @ 0.5DEG
11:15	13:30	2.25	13.50	DRILL	DRILL 311mm HOLE F/ 107m TO 134m
13:30	13:45	0.25	13.75	DEV. SURVEY	SURVEY 104m @ 0.5DEG
13:45	16:00	2.25	16.00	DRILL	DRILL 311mm HOLE F/ 134m TO 159m ENCOUNTER COARSE SAND FROM 152M TO 172M.
16:00	16:30	0.50	16.50	COND MUD & CIRC	BUILD VOL. & VIS FOR LOSSES
16:30	17:30	1.00	17.50	DRILL	DRILL 311mm HOLE F/ 159m TO 171m
17:30	18:00	0.50	18.00	RIG SERVICE	RIG SERVICE(FUNC. DIVERTER 20 SEC. TO CLOSE)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010

Report #: 3.0

Depth Progress: 236.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 109,366

Cum Cost to Date: 419,984

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 0.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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	HAND OVER SAFETY MEETING
18:15	23:45	5.50	23.75	DRILL	DRILL 311mm HOLE F/ 171m TO 236 M
23:45	00:00	0.25	24.00	DEV. SURVEY	DEVIATION SURVEY ACCU TIME.

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	4,561		4,561
	1050.0	36	8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
KELZAN	522.35	2.0
HYPERRILLAF247RD	221.55	2.0
SAWDUST	6.53	30.0
HYPERRILLAF247RD	221.55	1.0
MILLZAN	522.35	2.0
SAWDUST	6.53	20.0
CELOPHANE	72.40	1.0
KELZAN	522.35	2.0
KWIKSEAL	34.01	3.0
SAWDUST	6.53	40.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 75	Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 75	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
1RR	Bit	311.0	VAREL	HEO4JMRSV	253625	---
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 0.00	Depth Out (mKB) 324.00	Depth Drilled (m) 324.00	Drilling Time (hrs) 25.25	BHA ROP (m/hr) 12.8	IADC Bit Dull 1-1-WT-A-E-1-CT-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.57	320.24
Drill pipe - Stands			5	95.48	310.67
HWDP(4.0 IN)		135.0	6	55.44	215.19
X/O		158.0	1	0.27	159.75
DC (6.25 IN)		158.0	8	72.93	159.48
JARS-HYD		158.0	1	5.26	86.55
PONY DC		158.0	1	4.60	81.29



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010

Report #: 3.0

Depth Progress: 236.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 109,366

Cum Cost to Date: 419,984

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 0.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
DC (6.25 IN)		158.0	5	45.80	76.69
TELADRIFT		158.0	1	2.62	30.89
DC (6.25 IN)		158.0	1	8.78	28.27
BELL SUB		158.0	1	0.76	19.49
DC (8.00 IN)		203.0	2	18.02	18.73
BIT SUB		203.0	1	0.71	0.71

DRILLING SUMMARY

Depth Start (mKB) 0.00	Depth End (mKB) 84.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3	Drilling Torque 0.0	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)	5.00
Depth Start (mKB) 84.00	Depth End (mKB) 159.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 160	Motor RPM (rpm)	Bit RPM (rpm)	160	Slack-Off Hook Load (daN)	Drilling Time (hrs)	7.00
Depth Start (mKB) 159.00	Depth End (mKB) 236.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3	Drilling Torque 0.0	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
2/6/2010	Safety Meeting	CONTAINING SPILLS
2/6/2010	Safety Meeting	WORKING ON PUMP
2/7/2010	Safety Meeting	MOUSE HOLE CONN

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)
2/6/2010	179.00	1.00	0.00	178.99	2.04	0.00	2.04	0.20
2/6/2010	207.00	1.00	0.00	206.98	2.53	0.00	2.53	0.00
2/7/2010	216.00	1.00	0.00	215.98	2.69	0.00	2.69	0.00
2/7/2010	234.00	1.00	0.00	233.98	3.00	0.00	3.00	0.00
2/7/2010	273.00	0.50	0.00	272.98	3.51	0.00	3.51	0.38

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 4.0

Depth Progress: 88.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 49,733

Cum Cost to Date: 469,717

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 1.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92		KB-Casing Flange Distance (m) 4.20

Daily Operations

Depth Start (mKB) 236.0	Depth End (mKB) 324.0	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -10	Lease Condition	

Operation at 6am

WOC, STRIPPING MUD, RIGGING OUT DIVERTER

Operations Summary

DRILLED SURFACE HOLE TO 378 M, WIPER TRIPPED TO SURFACE, CIRCULATED SMALL BRIDGE @ 190 M AND WASHED TO BOTTOM WITH 9 M FILL. DRILLED TO 379 M TRIPPED OUT FOR CASING. LAID DOWN 203 MM DC'S

Operations Next Report Period

RUN AND CEMENT SURFACE CASING, HEAD-UP AND PRESSURE TEST BOPS

Remarks

HOLE IN GOOD CONDITION, BEGAN TO STRIP OUT SOLIDS. REPORTABLE INCIDENT ABOUT 200 L OF HIGH VIS DRILLING MUD LOST OUT END OF SHALE TANK. IT WAS IMMEDIATELY SCOOPED UP AND RETURNED TO THE SHALE BIN. SHALE SHAKER IS THE WEAK LINK OF THIS OPERATION.

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Drilling Foreman	Job Contact JOSH BLINSTON	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:45	0.75	0.75	DRILL	DRILL 311 MM HOLE FROM 236 M TO 246M
00:45	01:00	0.25	1.00	RIG SERVICE	RIG SERVICE & FUNCTION DIVERTER 20 SEC CLOSED
01:00	01:15	0.25	1.25	DEV. SURVEY	DEVIATION SURVEY
01:15	03:00	1.75	3.00	DRILL	DRILL 311MM HOLE FROM 246 M TO 274M
03:00	03:15	0.25	3.25	DEV. SURVEY	DEVIATION SURVEY
03:15	05:45	2.50	5.75	DRILL	DRILL 311MM HOLE FROM 274M TO 303 M
05:45	06:00	0.25	6.00	DEV. SURVEY	DEVIATION SURVEY
06:00	06:15	0.25	6.25	SAFETY MEETING	HAND OVER SAFETY MEETING
06:15	08:00	1.75	8.00	DRILL	DRILL 311 MM HOLE FROM 303 M TO 324M
08:00	08:15	0.25	8.25	RIG SERVICE	RIG SERVICE (FUNC. DIVERTER 19 SEC. TO CLOSE)
08:15	08:30	0.25	8.50	DRILL	DRILL 311mm HOLE F/ 324m TO 332m
08:30	08:45	0.25	8.75	DEV. SURVEY	SURVEY 302m @ 0.5 DEG.
08:45	11:00	2.25	11.00	DRILL	DRILL 311mm HOLE F/ 332m TO 360m
11:00	11:15	0.25	11.25	DEV. SURVEY	SURVEY @ 330m 1.0 DEG
11:15	12:30	1.25	12.50	DRILL	DRILL 311mm HOLE F/ 360m TO 378m
12:30	12:45	0.25	12.75	COND MUD & CIRC	CIRC. HOLE CLEAN
12:45	13:00	0.25	13.00	DEV. SURVEY	SURVEY @ 348m 1.0 DEG
13:00	16:00	3.00	16.00	TRIPS	CLEAN OUT TRIP TO BIT (BLOW KELLY BEFORE TRIP)
16:00	16:45	0.75	16.75	TRIPS	TRIP IN (PIPE STRAP=RIG 208.15-STRAP 208.62=DIFF 0.47)
16:45	17:00	0.25	17.00	COND MUD & CIRC	WASH THROUGH BRIDGE @ 190m
17:00	17:45	0.75	17.75	TRIPS	RUN INTO 374M CIRC BOTTOMS UP
17:45	18:00	0.25	18.00	SAFETY MEETING	HANDOVER MEETING W/ CREWS
18:00	18:30	0.50	18.50	COND MUD & CIRC	CONDITION MUD & CIRCULATE



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 4.0

Depth Progress: 88.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 49,733

Cum Cost to Date: 469,717

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 1.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
18:30	18:45	0.25	18.75	DRILL	DRILL FROM 378M TO 379.0
18:45	20:00	1.25	20.00	COND MUD & CIRC	CONDITION MUD & CIRCULATE
20:00	23:00	3.00	23.00	TRIPS	BLOW KELLY & TRIP OUT OF HOLE TO RUN CASING LAY DOWN 8 DC , TRIP VOL CAL, 4.49 ACT / 5.02 DIFF .53M3
23:00	23:15	0.25	23.25	RIG SERVICE	RIG SERVICE
23:15	23:30	0.25	23.50	SAFETY MEETING	PRE-JOB SAFETY ON RUNNING CASING.
23:30	00:00	0.50	24.00	RUN CASING AND CEMENT	RIG UP/ TO RUN CASING SERIAL #32607/SLX-65 TONNE 6 5/8DATE CHECK 7/7/2005.

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	2,754	2,754	7,314
	1080.0	57	8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
TKPP	150.51	1.0
KELZAN	522.35	1.0
DETERGENT	62.35	1.0
HYPERRILLAF247RD	221.55	1.0
SAWDUST	6.53	15.0
HYPERRILLAF247RD	221.55	1.0
MILLZAN	522.35	2.0
SAWDUST	6.53	10.0
GEL	14.69	25.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	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
1RR	Bit	311.0	VAREL	HEO4JMRSV	253625	---
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
14.3/14.3/14.3/14.3	0.00	324.00	324.00	25.25	12.8	1-1-WT-A-E-1-CT...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.57	320.24
Drill pipe - Stands			5	95.48	310.67



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 4.0

Depth Progress: 88.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 49,733

Cum Cost to Date: 469,717

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 1.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
HWDP(4.0 IN)		135.0	6	55.44	215.19
X/O		158.0	1	0.27	159.75
DC (6.25 IN)		158.0	8	72.93	159.48
JARS-HYD		158.0	1	5.26	86.55
PONY DC		158.0	1	4.60	81.29
DC (6.25 IN)		158.0	5	45.80	76.69
TELADRIFT		158.0	1	2.62	30.89
DC (6.25 IN)		158.0	1	8.78	28.27
BELL SUB		158.0	1	0.76	19.49
DC (8.00 IN)		203.0	2	18.02	18.73
BIT SUB		203.0	1	0.71	0.71

DRILLING SUMMARY

Depth Start (mKB) 236.00	Depth End (mKB) 324.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4	Drilling Torque 0.0	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)	6.75

SAFETY CHECKS

Date	Type	Description
2/7/2010	Safety Meeting	TRIPPING
2/7/2010	Safety Meeting	TRIPPING
2/8/2010	Safety Meeting	CEMENTING

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)
2/7/2010	302.00	0.50	0.00	301.97	3.77	0.00	3.77	0.00
2/7/2010	330.00	1.00	0.00	329.97	4.13	0.00	4.13	0.54
2/7/2010	348.00	1.00	0.00	347.97	4.45	0.00	4.45	0.00

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 5.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 85,375

Cum Cost to Date: 555,092

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 2.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92		KB-Casing Flange Distance (m) 4.20

Daily Operations

Depth Start (mKB) 324.0	Depth End (mKB) 324.0	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather MOSTLY CLEAR	Temperature (°C) -15	Lease Condition FROZEN	
Operation at 6am TRIPPING IN HOLE TO DRILL OUT			
Operations Summary RAN AND CEMENTED 380 M SURFACE CASING, WOC, CUT CASING, WELDED CASING BOWL, INSTALLED BOPS AND PRESSURE TESTED MANIFOLD AND BOPS			
Operations Next Report Period DRILL OUT AND AHEAD WITH 200 MAIN HOLE			
Remarks 5 M3 OF GOOD CEMENT RETURNS, STRIPPED 80 M3 OF SURFACE MUD, CONTINUED TO FREEZE VEHICLE ACCESS BEHIND FLARE TANK TO ALLOW TRUCKS AND LOADER TO DRIVE AROUND			
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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
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	02:30	2.50	2.50	RUN CASING AND CEMENT	CONT RUN CASING
02:30	04:15	1.75	4.25	COND MUD & CIRC	CONDITION MUD & CIRCULATE WORKED PIPE @ 379 M
04:15	04:30	0.25	4.50	SAFETY MEETING	PRE-JOB SAFETY ON CEMENTING
04:30	05:45	1.25	5.75	RUN CASING AND CEMENT	RIG UP TO & CEMENTING CASING
05:45	06:00	0.25	6.00	SAFETY MEETING	HAND OVER MEETING SAFETY MEETING
06:00	08:00	2.00	8.00	WAIT ON CEMENT	WAIT ON CEMENT
08:00	10:00	2.00	10.00	WAIT ON CEMENT	WAIT ON CEMENT STRIP MUD TO WATER
10:00	11:00	1.00	11.00	NIPPLE UP B.O.P.	NIPPLE DOWN DIVERTER SYSTEM + DIVERTER LINE,HCR
11:00	11:15	0.25	11.25	SAFETY MEETING	SAFETY MEETING W/WELDER
11:15	14:15	3.00	14.25		CUT CASING, DIVERTER FLANGE AND LAY OUT DIVERTER +WELD ON BOWL.
14:15	15:00	0.75	15.00	CUT OFF DRILLING LINE	SLIP/CUT DRILLING LINE
15:00	15:30	0.50	15.50		CONT TO WELD BOWL, COOL DOWN AND PRESSURE TEST BOWL.
15:30	15:45	0.25	15.75	SAFETY MEETING	SAFETY MEETING W/CREW PRIOR TO NIPPLE UP BOP AND ALL RELATED EQUIPMENT.
15:45	16:00	0.25	16.00	NIPPLE UP B.O.P.	NIPPLE UP BOP , HCR,KILL LINE,FLARE LINE,FLARE TANK,PRESSURE RELEASE LINE,MANIFOLD.
16:00	18:00	2.00	18.00	NIPPLE UP B.O.P.	CONT TO NIPPLE UP BOP AND ALL RELATED EQUIPMENT.



Paramount
resources ltd.

Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 5.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 85,375

Cum Cost to Date: 555,092

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 2.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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	CREW HANOVER MEETING
18:15	19:30	1.25	19.50	NIPPLE UP B.O.P.	NIPPLE UP BOP
19:30	19:45	0.25	19.75	SAFETY MEETING	SAFETY MEETING W/PRESSURE TESTER
19:45	00:00	4.25	24.00	TEST B.O.P.	TEST BOP PRESS TEST ALL MANIFOLD VALVE SWEEP LINE OUTSIDE HCR VALVE TO 1500 KPA LOW AND 14000 KPA HIGH 10 MIN EACH ,

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	
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	1,509	Mud Cum To Date	8,824
	1050.0	80		PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

	Description	Cost (/unit)	Consumed
SODA ASH		21.19	1.0
KEIZAN		522.35	1.0
DESCO		80.46	2.0
CELOPHANE		72.40	6.0
GEL		14.69	15.0
SAWDUST		6.53	23.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	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)	



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 5.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 85,375

Cum Cost to Date: 555,092

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 2.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

SAFETY CHECKS

Date	Type	Description
2/8/2010	Safety Meeting	HAMMER WRENCHES
2/8/2010	Safety Meeting	PRESSURE TESTING
2/9/2010	Safety Meeting	PRESS TESTING

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 (930m)

FORMATIONs

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 6.0

Depth Progress: 218.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 68,667

Cum Cost to Date: 623,760

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 3.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 379.4	Depth End (mKB) 597.4	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
----------------------------	--------------------------	--------------------------------	--------------------------------

Weather MOSTLY CLEAR	Temperature (°C) -10	Lease Condition FROZEN
-------------------------	-------------------------	---------------------------

Operation at 6am

CONTROL DRILLING FT. SIMPSON @ 15+ M/HR

Operations Summary

PRESSURE TESTED MANIFOLD AND BOPS TO 1.4 & 14 MPA (ANNULLAR 10.5 MPA) FOR 10 MINUTES EACH, ALL HELD OK. FUNCTION TESTED ACCUMULATOR. PRESSURE BEFORE 21.5 MPA AFTER 3 FUNCTIONS 12.5 MPA. RECHARGE TIME 64 SECS, HELD BOP DRILL WITH BOTH CREWS, HELD H2S DRILL AND AIR PACK DONNING DRILL. MINOR LOSS OF RETURNS AT WABAMUN TOP 480 M, REDUCED PUMP RATE AND DRILLED AHEAD WITH FLOC WATER

Operations Next Report Period

DRILL AHEAD WITH FLOC WATER

Remarks

DRILLED OUT WITH WATER AND AHEAD WITH PROCESSED SURFACE WATER. MUD DENSITY CLIMBED TO 1040 AND BEGAN TO FLOC SOLIDS. MINOR FLUID LOSS @ TOP OF WABAMUN, 480 M. INAC INSPECTION, NO PROBLEMS. DRILLED AHEAD INCIDENT FREE

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Drilling Foreman	Job Contact JOSH BLINSTON	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	02:15	2.25	2.25	Pressure test BOPs	FINISH PRESSURE TEST BOPS TEST HYDRILL TO 1,500 KPA LOW .10,500 HIGH 10 MIN EACH, TEST HCR, BACK UP KILL LINE STA BBING VAQLVE, INSIDE B.O.P TO 1500 KPA LOW 14,000 KPA HIGH 10 MIN EACH, TEST UPPER KELLY COCK TO 1,500 KPA LOW 15,000 KPA HIGH 10 MIN EACH,
02:15	02:30	0.25	2.50	Rig Service	RIG SERVICE , FUNCTION MOTOR KILL OK
02:30	03:30	1.00	3.50	Test BOP	ACCUMULATOR CHECK PRESS AT START,21,000 PRESS REMAINING AFTER 3 FUNCTION 12,500,TIME TO RECHARGE /1 MIN .4 SEC/PRECHARGE6,600 KPA/ N 2 BOTTLE#12,100 PSI/#2,100 PSI #3,1500 PSI. TEST BLID RAM 1,500 KPA LOW 14,000 KPA HIGH 10 MIN EACH.
03:30	03:45	0.25	3.75	Safety meeting	SAFETY MEETING & B.O.P DRILL WITH CREW PRIOR TO R.I.H CREW POSITION IN 1 MIN 20 SEC.
03:45	05:45	2.00	5.75	Trip in hole	MAKE UP B.H.A & TRIP IN HOLE WITH BIT #2
05:45	06:00	0.25	6.00	Safety meeting	HAND OVER SAFETY MEETING
06:00	06:15	0.25	6.25	Condition mud & circulate	CIRCULATE DOWN STRING TO TAG CEMENT
06:15	06:30	0.25	6.50	Drills/BOP, etc.	BOP DRILL W/ CREW(WELL SECURE IN 98SEC. HYDRIL 13SEC. TO CLOSE)
06:30	07:15	0.75	7.25	Condition mud & circulate	CIRCULATE DOWN STRING TO TAG CEMENT TOP
07:15	08:00	0.75	8.00	Drill cement/drill out cement/drill float&shoe	DRILL OUT FLOAT(TAG CEMENT @ 363M)
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. HCR 2SEC. TO OPEN)
08:15	09:45	1.50	9.75	Drill cement/drill out cement/drill float&shoe	DRILL OUT FLOAT & SHOE
09:45	11:00	1.25	11.00	Drill	DRILL 200mm HOLE F/ 379m TO 398m



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 6.0

Depth Progress: 218.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 68,667

Cum Cost to Date: 623,760

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 3.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
11:00	11:15	0.25	11.25	Deviation survey	SURVEY @ 397M 0.5DEG
11:15	14:30	3.25	14.50	Drill	DRILL 200mm HOLE F/ 398m TO 446m
14:30	14:45	0.25	14.75	On job training	SAFETY MEETING & SCBA TRAINING W/ RAIMS SAFETY SERVICES
14:45	16:00	1.25	16.00	Drill	DRILL 200mm HOLE F/ 446m TO 475m
16:00	16:15	0.25	16.25	Deviation survey	SURVEY @ 475M 0.5 DEG
16:15	18:00	1.75	18.00	Drill	DRILL 200mm HOLE F/ 475M TO 503 M
18:00	18:15	0.25	18.25	Safety meeting	HAND OVER SAFETY MEETING
18:15	18:45	0.50	18.75	Drill	DRILL FROM 503M TO 513 M
18:45	19:00	0.25	19.00	Rig Service	RIG SERVICE FUNCTION PIPE RAMS,4 SEC TO CLOSE
19:00	21:00	2.00	21.00	Drill	DRILL FROM 513M TO 551 M
21:00	21:15	0.25	21.25	Deviation survey	DEVIATION SURVEY
21:15	00:00	2.75	24.00	Drill	DRILL FROM 551 M TO 597 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		Mud Cum To Date
519.40	1010.0	28	10.0	1,835		10,659
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	7.0
CALCIUM NITRATE		43.63	10.0
SAWDUST		6.53	10.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
2,780	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
2,088	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 65	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 91	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
2	Bit	200.0	REED	DSX416M-A3PDC	114176	M-2-2-2
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
	379.40	1,421.55	1,059.00	67.25	15.7	1-1-CT-N-X-200-N...

DRILL STRING COMPONENTS

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 6.0

Depth Progress: 218.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 68,667

Cum Cost to Date: 623,760

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 3.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

DRILLING SUMMARY

Depth Start (mKB) 379.40	Depth End (mKB) 475.40	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	7.25
Depth Start (mKB) 475.40	Depth End (mKB) 597.40	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)	7.00

SAFETY CHECKS

Date	Type	Description
2/9/2010	Safety Meeting	BOP DRILL
2/9/2010	Safety Meeting	CONNECTIONS
2/10/2010	Safety Meeting	DRIVE TO AIRPORT FOR DAY OFF.

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 (%30)
2/9/2010	397.40	0.50	0.00	397.36	5.09	0.00	5.09	0.30
2/9/2010	474.40	0.50	0.00	474.36	5.76	0.00	5.76	0.00
2/9/2010	549.40	0.50	0.00	549.36	6.42	0.00	6.42	0.00

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 7.0

Depth Progress: 365.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 58,519

Cum Cost to Date: 682,279

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 4.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 580.6	Depth End (mKB) 945.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -15	Lease Condition FROZEN	

Operation at 6am

CONTROL DRILLING FT SIMPSON @ 15+ M/HR TO 1030 M

Operations Summary

CONTINUED TO CONTROL DRILL AHEAD INTO FT SIMPSON WITHOUT LOSS OF RETURNS WITH FLOCCED WATER

Operations Next Report Period

DRILL AHEAD, MUD-UP AND LIKELY WIPER TRIP

Remarks

INSTALLED FLOW SHOW SENSOR ON FLOW LINE. CONDUCTED H2S MEETING WITH NEW CREW, SAFETY STAND DOWN MEETING WITH PD SAFETY. DRILLED AHEAD INCIDENT FREE

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
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	01:30	1.50	1.50	Drill	DRILL FROM 597 M TO 618 M
01:30	01:45	0.25	1.75	Rig Service	RIG SERVICE FUNCTION HYDRIL ,12 SEC TO CLOSE
01:45	02:45	1.00	2.75	Drill	DRILL FROM 618 M TO 638M
02:45	03:00	0.25	3.00	Deviation survey	DEVIATION SURVEY
03:00	06:00	3.00	6.00	Drill	DRILL FROM 638 M TO 695 M
06:00	06:15	0.25	6.25	Safety meeting	HAND OVER SAFETY MEETING
06:15	07:15	1.00	7.25	Drill	DRILL FROM 695m TO 714m
07:15	07:30	0.25	7.50	Deviation survey	SURVEY @ 713m 0.5 DEG
07:30	08:00	0.50	8.00	Drill	DRILL 200mm HOLE F/ 714m TO 724m
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE(FUNC. PIPE RAMS 2 SEC. TO CLOSE)
08:15	12:45	4.50	12.75	Drill	DRILL 200mm HOLE F/ 724m TO 800m
12:45	13:15	0.50	13.25	Other	INSTALL PASSON FLOW SENSOR
13:15	14:00	0.75	14.00	Drill	DRILL 200mm HOLE F/ 800m TO 809M
14:00	14:15	0.25	14.25	Safety meeting	HANOVER SAFETY MEETING
14:15	15:45	1.50	15.75	Drill	DRILL FROM 809M TO 831M
15:45	16:00	0.25	16.00	Deviation survey	DEVIATION SURVEY
16:00	16:15	0.25	16.25	Drills/BOP, etc.	DRILLS/BOP, ETC. FUNCTION HYDRIL CLOSED IN 13SECONDS
16:15	18:00	1.75	18.00	Drill	DRILL FROM 831M TO 858M
18:00	18:15	0.25	18.25	Deviation survey	DEVIATION SURVEY
18:15	22:30	4.25	22.50	Drill	DRILL 200mm HOLE F/ 858m TO 934m
22:30	22:45	0.25	22.75	Rig Service	RIG SERVICE(FUNC. PIPE RAMS 3 SEC. TO CLOSE)
22:45	23:15	0.50	23.25	On job training	SAFETY STAND DOWN MEETING W/ PD SAFETY PERSONEL
23:15	23:30	0.25	23.50	Deviation survey	SURVEY @ 933m 0.5 DEG
23:30	00:00	0.50	24.00	Drill	DRILL 200mm HOLE F/ 934m TO 944m



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 7.0

Depth Progress: 365.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 58,519

Cum Cost to Date: 682,279

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 4.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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
921.55	1030.0	30	9.0	3,012		13,672
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

	Description	Cost (/unit)	Consumed
KELZAN		522.35	1.0
CAUSTIC		44.63	1.0
GEL		14.69	12.0
SAWDUST		6.53	25.0
KELZAN		522.35	1.0
LIME		15.38	1.0
SAWDUST		6.53	5.0
CALCIUM NITRATE		43.63	10.0
ALKAPAM A-1103D		211.93	1.0
CAUSTIC		44.63	2.0
CALCIUM NITRATE		43.63	15.0
SAWDUST		6.53	22.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	63.5	Pump Rating (kW)
Pressure (kPa) 2,100	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 2,456	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 2,247	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 2	Bit Type Bit	Size (mm) 200.0	Make REED	Model DSX416M-A3PDC	Serial Number 114176	IADC Codes M-2-2-2
Nozzles (mm)	Depth In (mKB) 379.40	Depth Out (mKB) 1,421.55	Depth Drilled (m) 1,059.00	Drilling Time (hrs) 67.25	BHA ROP (m/hr) 15.7	IADC Bit Dull 1-1-CT-N-X-200-N...

DRILL STRING COMPONENTS

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

DRILLING SUMMARY

Depth Start (mKB) 580.55	Depth End (mKB) 725.55	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	
Depth Start (mKB) 725.55	Depth End (mKB) 832.55	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.75	



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 7.0

Depth Progress: 365.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 58,519

Cum Cost to Date: 682,279

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 4.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

DRILLING SUMMARY

Depth Start (mKB) 832.55	Depth End (mKB) 945.55	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,200	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	6.50

SAFETY CHECKS

Date	Type	Description
2/10/2010	Safety Meeting	STEAM
2/10/2010	Safety Meeting	OVERHEAD EQUIPMENT
2/11/2010	Safety Meeting	SAFETY STAND DOWN

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)
2/10/2010	636.55	0.50	0.00	636.51	7.18	0.00	7.18	0.00
2/10/2010	714.55	0.50	0.00	714.50	7.86	0.00	7.86	0.00
2/10/2010	790.55	0.50	0.00	790.50	8.52	0.00	8.52	0.00
2/10/2010	859.55	0.50	0.00	859.50	9.13	0.00	9.13	0.00
2/10/2010	934.55	0.50	0.00	934.49	9.78	0.00	9.78	0.00

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/11/2010

Report #: 8.0

Depth Progress: 277.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 53,824

Cum Cost to Date: 736,104

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 5.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 944.4	Depth End (mKB) 1,221.4	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -20	Lease Condition FROZEN	

Operation at 6am

DRILLING SLAVE PT @ 15+ M/HR TP 1283 M

Operations Summary

CONTINUED TO CONTROL DRILL FT SIMPSON SHALE; BEGAN TO MUD-UP SYSTEM @ 1100 M. RAN CONFIRMATION WIRELINE SURVEY @ 1179M - .26 DEGREES. DRILLED TO 1221 M, CIRCULATED HOLE CLEAN AND WIPER TRIPPED (SLM) TO SURFACE CASING NO DEPTH CORRECTION, NO FILL ON BOTTOM

Operations Next Report Period

DRILL AHEAD TO TD, BUILD AND MAINTAIN MUD PROPERTIES

Remarks

DRILLED AHEAD INCIDENT FREE

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
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(FUNC. HYDRIL 14 SEC. TO CLOSE)
00:15	04:30	4.25	4.50	Drill	DRILL 200mm HOLE F/ 944m TO 1011m
04:30	04:45	0.25	4.75	Deviation survey	SURVEY @ 1010m 1.0DEG
04:45	06:00	1.25	6.00	Drill	DRILL 200mm HOLE F/ 1011m TO 1030m
06:00	06:15	0.25	6.25	Safety meeting	HANOVER SAFETY MEETING
06:15	08:00	1.75	8.00	Drill	DRILL FROM 1030M TO 1066M
08:00	09:00	1.00	9.00	Drill	DRILL FROM 1066M TO 1077M
09:00	09:15	0.25	9.25	Rig Service	RIG SERVICE FUNCTION HCR OPENED IN 1 SECOND
09:15	10:00	0.75	10.00	Drill	DRILL FROM 1077M TO 1087M
10:00	10:15	0.25	10.25	Deviation survey	DEVIATION SURVEY
10:15	13:00	2.75	13.00	Drill	DRILL FROM 1087M TO 1134M
13:00	13:15	0.25	13.25	Deviation survey	DEVIATION SURVEY
13:15	16:00	2.75	16.00	Drill	DRILL FROM 1134M TO 1182M
16:00	16:45	0.75	16.75	Drill	DRILL FROM 1182M TO 1192M
16:45	17:15	0.50	17.25	Deviation survey	DEVIATION SURVEY (WIRELINE SURVEY)
17:15	18:00	0.75	18.00	Drill	DRILL FROM 1192M TO 1201M
18:00	18:15	0.25	18.25	Safety meeting	HANOVER SAFETY MEETING
18:15	19:00	0.75	19.00	Drill	DRILL 200mm HOKLE F/ 1201m TO 1221m
19:00	19:30	0.50	19.50	Condition mud & circulate	CONDITION MUD & CIRCULATE
19:30	19:45	0.25	19.75	Other	PUMP PILL THEN BLOW KELLY
19:45	22:30	2.75	22.50	Trip out of hole	CLEAN OUT TRIP TO HWDP(STRAP OUT FLOW CHECKS @ 1209, 1114, 624, 228M)(STRAP=DERRICK 1013.24-TALLY 1012.53=DIFF.0.71 HOLE FILL VOL=ACTUAL 3.82-CALC.2.76=DIFF.1.06)
22:30	00:00	1.50	24.00	Trip in hole	TRIP IN HOLE(FLOW CHECK @ 624m)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/11/2010

Report #: 8.0

Depth Progress: 277.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 53,824

Cum Cost to Date: 736,104

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 5.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92		KB-Casing Flange Distance (m) 4.20

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 9,009	Mud Cum To Date 22,680
Depth (mKB) 1,205.40	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 37	pH 9.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM A-1103D	211.93	1.0
KELZAN	522.35	1.0
ALKAPAM A-1103D	211.93	1.0
MF-VIS	500.41	1.0
CAUSTIC	44.63	2.0
SAWDUST	6.53	5.0
CALCIUM NITRATE	43.63	10.0
MTL SHURE SHALE	195.51	8.0
CAUSTIC	44.63	1.0
DRISPAC PLUS REGULAR	261.75	3.0
SODIUM BICARBONATE	29.46	3.0
STARDRILL	146.16	4.0
LIGNITE	16.58	6.0
MF-VIS	500.41	7.0
BARITE	22.29	15.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 2,650	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 2,666	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 2,615	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	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
2	Bit	200.0	REED	DSX416M-A3PDC	114176	M-2-2-2
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) 944.40	Depth End (mKB) 1,066.40	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	7.25
Depth Start (mKB) 1,066.40	Depth End (mKB) 1,182.40	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	7.25



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/11/2010

Report #: 8.0

Depth Progress: 277.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 53,824

Cum Cost to Date: 736,104

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 5.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

DRILLING SUMMARY

Depth Start (mKB) 1,182.40	Depth End (mKB) 1,221.40	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	2.25

SAFETY CHECKS

Date	Type	Description
2/11/2010	Safety Meeting	WORKING AROUND ROTARY
2/11/2010	Safety Meeting	BOP EQUIPMENT
2/12/2010	Safety Meeting	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)
2/11/2010	1,010.40	1.00	0.00	1,010.34	10.77	0.00	10.77	0.20
2/11/2010	1,087.40	1.00	0.00	1,087.33	12.12	0.00	12.12	0.00
2/11/2010	1,133.40	0.50	0.00	1,133.32	12.72	0.00	12.72	0.33
2/11/2010	1,179.40	0.26	0.00	1,179.32	13.02	0.00	13.02	0.16

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/12/2010

Report #: 9.0

Depth Progress: 199.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 52,185

Cum Cost to Date: 788,288

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 6.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92		KB-Casing Flange Distance (m) 4.20

Daily Operations

Depth Start (mKB) 1,222.6	Depth End (mKB) 1,421.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -20	Lease Condition FROZEN	
Operation at 6am RIGGING-UP WEATHERFORD LOGGING TOOL			
Operations Summary DRILLED AHEAD TO 1420 M. CIRCULATED HOLE FOR 4+ BOTTOMS UP, STILL NOT CLEAN, WIPER TRIPPED TO 1200 M, 1.5 M FILL. CIRC ANOTHER HR & INCREASE YP FROM 19.2 TO 21.5			
Operations Next Report Period OPEN HOLE LOG LOG AND LIKELY GET APPROVAL TO RUN CASING			
Remarks 50 LITER MUD SPILL FROM SHALE BIN, INAC INSPECTION - CONCERNS ABOUT FLUID IN SUMP, ADVISED WE ARE ATTEMPTING TO MINIMIZE FLUID, AND POLYMER MUDS ARE MORE DIFFICULT TO WORK WITH			
Avg Connection Gas (Units) 190	Avg Background Gas (Units) 200	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
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751
Title Drilling Foreman	Job Contact HALE YARDLEY	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	Trip in hole	TRIP IN TO BOTTOM
00:30	00:45	0.25	0.75	Condition mud & circulate	FILL PIPE
00:45	01:00	0.25	1.00	Rig Service	RIG SERVICE (FUNC. ANNULAR 13 SEC. TO CLOSE)
01:00	04:15	3.25	4.25	Drill	DRILL 200mm HOLE F/ 1221m TO 1268m
04:15	04:30	0.25	4.50	Deviation survey	SURVEY @ 1267m 0.5DEG
04:30	06:00	1.50	6.00	Drill	DRILL 200mm HOLE F/ 1268m TO 1278m
06:00	06:15	0.25	6.25	Safety meeting	CREW HANOVER MEETING
06:15	08:00	1.75	8.00	Drill	DRILL 200mm HOLE F/ 1278m TO 1311M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION PIPE RAMS CLOSED IN 4 SECONDS
08:15	10:30	2.25	10.50	Drill	DRILL FROM 1311M TO 1345M
10:30	10:45	0.25	10.75	Deviation survey	DEVIATION SURVEY
10:45	16:00	5.25	16.00	Drill	DRILL FROM 1345M TO 1399M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION HCR 1SEC OPENED
16:15	18:00	1.75	18.00	Drill	DRILL FROM 1399M TO TD 1415M
18:00	18:15	0.25	18.25	Safety meeting	HANOVER SAFETY MEETING
18:15	18:30	0.25	18.50	Drill	DRILL 200mm HOLE F/ 1415m TO 1420m
18:30	18:45	0.25	18.75	Deviation survey	SURVEY @ 1419m 0.5 DEG
18:45	20:45	2.00	20.75	Condition mud & circulate	CIRC. HOLE CLEAN & CONDITION MUD
20:45	21:45	1.00	21.75	Trips	CLEAN OUT TRIP(11STANDS, FLOW CHECKS @ 1409, 1314m HOLE FILL VOL. = ACTUAL 1.58- CALC. 0.57= DIFF. 1.01)
21:45	22:45	1.00	22.75	Trip in hole	RUN IN 11 STDS TO BOTTOM
22:45	00:00	1.25	24.00	Condition mud & circulate	CIRCULATE HOLE CLEAN & CONDITION MUD FOR LOGGING



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/12/2010

Report #: 9.0

Depth Progress: 199.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 52,185

Cum Cost to Date: 788,288

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 6.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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 9,600		Mud Cum To Date 32,280
Depth (mKB) 1,421.55	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 72	pH 10.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

	Description	Cost (/unit)	Consumed
DRISPAC PLUS REGULAR		261.75	1.0
STARDRILL		146.16	2.0
LIGNITE		16.58	3.0
DRISPAC PLUS REGULAR		261.75	3.0
CAUSTIC		44.63	4.0
STARDRILL		146.16	6.0
MF-VIS		500.41	6.0
LIGNITE		16.58	9.0
MF-VIS		500.41	8.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
Pressure (kPa) 2,730	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa) 2,665	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pressure (kPa) 2,665	Slow Speed Check? Yes	Strokes (spm) 70	Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
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
2	Bit	200.0	REED	DSX416M-A3PDC	114176	M-2-2
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
	379.40	1,421.55	1,059.00	67.25	15.7	1-1-CT-N-X-200-N...

DRILL STRING COMPONENTS

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

DRILLING SUMMARY

Depth Start (mKB) 1,222.55	Depth End (mKB) 1,312.55	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	100	Slack-Off Hook Load (daN)	Drilling Time (hrs)	6.50
Depth Start (mKB) 1,312.55	Depth End (mKB) 1,400.55	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	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)	7.50
Depth Start (mKB) 1,400.55	Depth End (mKB) 1,421.55	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	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)	2.00

SAFETY CHECKS

Date	Type	Description
2/12/2010	Safety Meeting	WILDLIFE



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/12/2010

Report #: 9.0

Depth Progress: 199.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 52,185

Cum Cost to Date: 788,288

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 6.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

SAFETY CHECKS

Date	Type	Description
2/12/2010	Safety Meeting	DOWN HOLE TORQUE
2/13/2010	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)
2/12/2010	1,268.55	0.50	0.00	1,268.47	13.62	0.00	13.62	0.08
2/12/2010	1,345.55	1.00	0.00	1,345.46	14.62	0.00	14.62	0.19
2/12/2010	1,421.55	0.50	0.00	1,421.46	15.62	0.00	15.62	0.20

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/13/2010

Report #: 10.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 64,039

Cum Cost to Date: 852,327

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 7.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 1,421.6	Depth End (mKB) 1,421.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather CLEAR	Temperature (°C) -10	Lease Condition FROZEN	

Operation at 6am

RUNNING 140 MM PROD. CASING TO 360 M

Operations Summary

TRIPPED OUT AND LOGGED WELL, COMBO LOG TO BOTTOM - 1413 M @ 08:00. LOGGED 60 M REPEAT SECTION AND TAGGED BOTTOM @ 1410.6 M CONFIRMATION OF WELL @ 11:20, TRIPPED IN HOLE, CIRCULATED WELL CLEAN, LAID DOWN DRILL STRING

Operations Next Report Period

RUN PRODUCTION CASING, CIRCULATE AND CEMENT

Remarks

COORDINATED EFFORTS TO OBTAIN A SHALE DRYER TO AVERT UNDESIRED WATER TRANSFERED 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	Job Contact	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	Other	PUMP PILL & BLOW KELLY
00:15	04:45	4.50	4.75	Trip out of hole	POOH FOR LOGGING(HOLE FILL VOL. = ACTUAL 8.88- CALC. 6.20=DIFF. 2.68 FLOW CHECKS @ 1409, 1315, 673, 221, 0M FUNC. BLIND RAMS 4 SEC. TO CLOSE)
04:45	05:00	0.25	5.00	Rig Service	RIG SERVICE FUNCTION BLIND RAMS 4 SEC TO CLOSE
05:00	05:15	0.25	5.25	Pre-job safety	SAFETY MEETING W/ WEATHERFORD
05:15	06:00	0.75	6.00	Wireline logs	RIG UP LOGGERS
06:00	06:15	0.25	6.25	Safety meeting	SAFETY MEETING
06:15	08:00	1.75	8.00	Logging - Open hole logs	LOGGING - OPEN HOLE LOGS, LOG TOOLS ARE STI/MDA/SPD/CNT/UGR/MRT/DAC TIME IN BOTTOM 8:00AM LOGERS DEPTH 1413m
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION PIPE RAMS CLOSED IN 4SECONDS
08:15	15:00	6.75	15.00	Logging - Open hole logs	LOGGING - OPEN HOLE LOGS RIG OUT LOG TOOLS
15:00	16:00	1.00	16.00	Trip in hole	TRIP IN HOLE FLOW CHECK @ 385M 10 min
16:00	18:00	2.00	18.00	Trip in hole	TRIP IN HOLE FLOW CHECKS @ 724M 10 min
18:00	18:15	0.25	18.25	Safety meeting	HANOVER SAFETY MEETING
18:15	20:15	2.00	20.25	Condition mud & circulate	WASH TO BOTTOM
20:15	20:30	0.25	20.50	Rig Service	RIG SERVICE FUNCTION HYDRILL 13 SEC TO CLOSE
20:30	20:45	0.25	20.75	Lay down drill pipe	LAY DOWN 3 SINGLES
20:45	21:45	1.00	21.75	Condition mud & circulate	WASH TO BOTTOM & CIRC. HOLE CLEAN
21:45	22:00	0.25	22.00	Other	PUMP PILL & BLOW KELLY
22:00	00:00	2.00	24.00	Lay down drill pipe	LAY DOWN DP(FLOW CHECKS @ 1416, 1322M)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/13/2010

Report #: 10.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 64,039

Cum Cost to Date: 852,327

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 7.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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) 1,421.55	Density (kg/m³) 1050.0	Funnel Viscosity (s/L) 76	pH 10.5	PV Override (cp) 1,325		YP Override (Pa) 33,605

MUD ADDITIVES

	Description	Cost (/unit)	Consumed
BARITE		22.29	15.0
CAUSTIC		44.63	1.0
MF-VIS		500.41	1.0
BARITE		22.29	20.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 63.5	Pump Rating (kW)	
Pressure (kPa) 2,700	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa) 3,750	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	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
2/13/2010	Safety Meeting	DRIVING
2/13/2010	Safety Meeting	SLIPS AND FALLS
2/14/2010	Safety Meeting	LAYING DOWN PIPE

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)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/13/2010

Report #: 10.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 64,039

Cum Cost to Date: 852,327

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 7.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/14/2010

Report #: 11.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 126,475

Cum Cost to Date: 978,802

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 8.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 1,421.6	Depth End (mKB) 1,421.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
------------------------------	----------------------------	--------------------------------	--------------------------------

Weather HIGH CLOUD	Temperature (°C) -8	Lease Condition FROZEN
-----------------------	------------------------	---------------------------

Operation at 6am

RIGGING OUT

Operations Summary

LAID DOWN DRILL STRING, RAN AND CEMENTED AND PRESSURE TESTED PRODUCTION CASING. RIGGED OUT, SET SLIPS, CUT CASING AND INSTALLED TUBING HEAD

Operations Next Report Period

RIG OUT, RIG RELEASE AND BEGIN TO MOVE TO N-06

Remarks

AT ABOUT 22:30 ADVISED OF 250 LITER MUD SPILL FROM PUMP SUCTION, GATE ACCIDENTALLY OPENED ON NEARLY EMPTY TANK. MUD VACUUMED UP. NO ACCIDENTS

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 HALE YARDLEY	Phone Mobile 866 935 3725
Title Drilling Foreman	Job Contact JOSH BLINSTON	Phone Mobile 866 935 3725
Title Rig Manager	Job Contact ERIC BIGRAS	Phone Mobile 866 672 1751

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	04:30	4.50	4.50	Lay down drill pipe	LAY DOWN STRING(FLOW CHECKS @ 709, 198,0m HOLE FILL VOL. = ACTUAL 8.43 - CALC. 6.20=DIFF. 2.23)
04:30	04:45	0.25	4.75	Rig Service	RIG SERVICE(FUNC. BLIND RAMS 3 SWEC. TO CLOSE)
04:45	05:15	0.50	5.25	Rig up/down to run casing	RIG UP TO RUN CASING ELEVATOR CERT. #EDM 0303 5566 10243LT TESTED TO 225 TON
05:15	05:30	0.25	5.50	Pre-job safety	SAFETY MEETING W/ TONG HAND
05:30	06:00	0.50	6.00	Run casing & cementing	RUN 139.7mm CASING
06:00	06:15	0.25	6.25	Safety meeting	CREW CHANGE HANOVER
06:15	08:00	1.75	8.00	Run casing & cementing	RUN 139.7mm CASING
08:00	12:00	4.00	12.00	Run casing	RUN CASING.
12:00	12:15	0.25	12.25	Rig up/down to run casing	RIG OUT POWER TONGS AND BRAKE CIRCULATION.
12:15	13:45	1.50	13.75	Condition mud & circulate	CONDITION MUD & CIRCULATE.
13:45	14:00	0.25	14.00	Safety meeting	SAFETY MEETING W/SANJEL PRIOR TO CEMENT LONG STRING.
14:00	15:45	1.75	15.75	Cementing	CEMENTING W SANJEL,CEMENT PLUG IN PLACE @ 3:30PM .5M3 OF GOOD CEMENT RETURN, PRESSURE TESTED PLUG TO 21MPA FOR 10 MIN.
15:45	16:00	0.25	16.00	Cementing	RAN 113 JTS OF 139.7 MMK,20.83KG/M J-55 ST & C LENGTH 1417.68m TO 1417mkb CIRCULATED AND CEMENT W/3m3 WATER,3m3SCAV, 28.68m3 (23.9 T OF FILL AND 7.06m3 (8T) OF TAIL CEMENT).
16:00	16:15	0.25	16.25	Cementing	CEMENTING(TEAR OUT CEMENTERS)
16:15	18:00	1.75	18.00	Wait on cement	WAIT ON CEMENT
18:00	18:15	0.25	18.25	Safety meeting	HANOVER SAFETY MEETING
18:15	22:00	3.75	22.00	Nipple down BOPs	FLUSH B.O.P. STACK W/CEMENTER,NIPPLE DOWN BOPS,HCR,KILL LINE,FLOW T,FLOW LINE AND SET SLIPS AT STRING W/T,CUT CASING AND LAY OUT.
22:00	22:15	0.25	22.25	Safety meeting	SAFETY MEETING W/STREAM FLOW PRIOR TO NIPPLE UP WELL HEAD.



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/14/2010

Report #: 11.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 126,475

Cum Cost to Date: 978,802

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 8.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
22:15	00:00	1.75	24.00	Other	NIPPLE UP WELD HEAD W/ STREAM FLOW

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
Depth (mKB) 1,421.55	Density (kg/m³) 1050.0	Funnel Viscosity (s/L) 48	pH 10.0		925	Mud Cum To Date 34,530

MUD ADDITIVES

	Description	Cost (/unit)	Consumed
DESCO		80.46	6.0
CELOPHANE		72.40	5.0
DESCO		80.46	1.0

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) 1,628	Slow Speed Check? Yes	Strokes (spm) 70	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 (%)

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
2/14/2010	Safety Meeting	SAFETY CABLES
2/14/2010	Safety Meeting	SHUTIN PROCEDURES
2/15/2010	Safety Meeting	TEAR OUT

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/14/2010

Report #: 11.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 126,475

Cum Cost to Date: 978,802

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 8.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/15/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 40,922

Cum Cost to Date: 1,019,724

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 9.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 1,421.6	Depth End (mKB) 1,421.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
Weather	Temperature (°C) -20	Lease Condition FROZEN	

Operation at 6am

TRANSFERRING DRILLING FLUID TO N-06 LOCATION

Operations Summary

COMPLETED INSTALLATION OF TUBING HEAD, CLEANED MUD TANKS AND RIGGED OUT. RIG RELEASED 08:00 15 FEB '10. LOWERED DERRICK @ 08:00

Operations Next Report Period

COMPLETE RIG MOVE TO N-06 LOCATION, RELEASE ALL TRUCKS BUT A BED TRUCK AND SUPERVISOR

Remarks

MOVED RENTALS, WELLSITE TRAILERS TO NEW LOCATION; N-06 UNABLE TO SPUD AS APPROVAL NOT RECEIVED

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	02:00	2.00	2.00	Tear down	TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT LINES AWAY, CLOSE UP SHACKS
02:00	02:15	0.25	2.25	Pre-job safety	SAFETY MEETING W/ CREW
02:15	03:15	1.00	3.25	Slip/Cut drilling line	SLIP & CUT 12.8m
03:15	04:00	0.75	4.00	Rig up	RIG UP FLOOR TO LOWER TOP SECTION & DERRICK
04:00	06:00	2.00	6.00	Tear down	CONTINUE TO TEAR OUT REST OF RIG FOR MOVE
06:00	06:15	0.25	6.25	Safety meeting	CREW CHANGE HAND OVER MEETING
06:15	07:30	1.25	7.50	Tear down	INSPECT DERRICK PRIOR TO LAY DOWN E.B AND P.I. + LAY OUT DERRICK
07:30	08:00	0.50	8.00	Tear down	TEAR DOWN
08:00	16:00	8.00	16.00	Tear down	TEAR DOWN + MOVE ALL 3rd PARTY EQUIPMENT INTO NEW LOCATION AND W/ON WELL LICENSE
16:00	00:00	8.00	24.00	Other	W/ON MORNING TO MOVE BUILDINGS INTO NEW LOCATION (W/ON WELL LICENSE)

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)	HHTP Pressure (kPa)	HHTP 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	5,336	39,866

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM A-1103D	211.93	9.0
BARITE	22.29	-38.0
CALCIUM NITRATE	43.63	-45.0
CAUSTIC	44.63	1.0
DETERGENT	62.35	-1.0
ENVIROFLOC	43.63	107.0
KELZAN	522.35	4.0
LIGNITE	16.58	9.0
LIME	15.38	-1.0
MF-VIS	500.41	-1.0



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig: 245 PRECISION DRILLING, DIV OF PDC

Report For: 2/15/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 40,922

Cum Cost to Date: 1,019,724

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 9.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

MUD ADDITIVES

Description		Cost (/unit)	Consumed
MILLZAN		522.35	-4.0
MTL SHURE SHALE		195.51	10.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	63.5		
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	Rod Diameter (mm)	Pump Rating (kW)	
2	63.5		
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
2/15/2010	Safety Meeting	CONFINED SPACE
2/15/2010	Safety Meeting	MAINTENANCE
2/16/2010	Safety Meeting	MOVING W/TRUCK

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)

FORMATION

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



Daily Drilling

Well Name: PARA ET AL CAMERON F-77

Business Unit: NE BC & NWT COU

Rig:

Report For: 2/16/2010

Report #: 13.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 21,491

Cum Cost to Date: 1,041,215

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 10.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

Daily Operations

Depth Start (mKB) 1,421.6	Depth End (mKB) 1,421.6	Target Formation Sulphur Pt	Target Depth (mKB) 1,400.00
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 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	W/ON WELL LICENSE
08:00	08:15	0.25	8.25	Safety meeting	SAFETY MEETING W/MULLEN
08:15	16:00	7.75	16.00	Move rig	MOVE ALL RIG LOADS ON TO N-06
16:00	00:00	8.00	24.00	Other	OTHER W/ON WELL LICENSE

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 39,866
-------------------------------	-----------------------	---------------------------	----------------	---------------------------

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 (%)



Daily Drilling

Well Name: PARA ET AL CAMERON F-77
Business Unit: NE BC & NWT COU
Rig:

Report For: 2/16/2010

Report #: 13.0

Depth Progress: 0.00

Total AFE Amount: 1,437,304.00

AFE Number: 09N010009

Daily Cost: 21,491

Cum Cost to Date: 1,041,215

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Spud Date 2/6/2010 01:00		Rig Release Date 2/15/2010 8:00:00 AM	DFS: 10.96 days
Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92	KB-Casing Flange Distance (m) 4.20	

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 (m/hr)	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 (730m)

FORMATIONs

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

FRONT PAGE SUMMARY		Your Sheet Serial Number	Version	Year	Month	Day
Rig No.	Well Name	Surface Location	Prov	Loc Type	Unique Well Id	Kelly Bushing
1221	Paras et al Cameron F-77	66-56-35.30W117-29-04.7W	NT	AT	300F116010117150	4
License No. / Operator		Contractor	Well Type	Re-Entry		
1221 PARAMOUNT-RESOURCES LTD		PRECISION DRILLING, DIV OF PDC	VERT	<input type="checkbox"/>		
Operator's AFE		Contractor's Job No	Spud Date	Time		
3BN101009		354				
Signature of Operator Representative		Signature of Contractor's Rig manager	Rig Release Date	Time		
JOSH BLINSTON		ERICK BIGRAS				

DAILY CHECKS		OP RM	FUEL @ 08:00 HOURS		DRILL PIPE		MUD PUMPS		GENERAL EQUIPMENT & SERVICES						
1 Daily Walk Around Inspection			Gas		Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Tool Joint OD (mm)	Make	Stroke Length (mm)	
2 Detailed Inspection - Weekly (Using Check List)			Boiler		DP	4" FH	SS35	102	65	23.8300	185		1	3PMMMP	229
3 H2S Signs Posted if Required			Op Fuel		DC	4.5" XH	DC	158	58	134.0000	18		2	3PMMMP	228
4 Well Licence & Stick Diagram Posted			WEATHER		HW	4" FH	HWDP	102	65	41.6400	6				
5 Flare Lines Staked			Time	06:00											
6 BOP Drills Performed			Temp	-38											
7 Visually Inspected BOPs - Flare Lines & Degasser Lines			Current Conditions	CLEAR											
8 Rig Site Health & Safety Meeting (one/crew/month)			Wind Direction	NE											
9 CAO/CUS Rig Safety Inspection Checklist (one/12/month)			Wind Strength	UP TO 19 KM/H											
10 Mud Inspection before Raising or Lowering			Road Condition	FAIR											
11 Crown Saver Checked															
12 Motor Kilometers Checked															

TOUR 1												SIGNATURE OF DRILLER			TOUR 1																										
DRILLING ASSEMBLY						BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						SHALE SHAKERS					
No.	Component	OD (mm)	ID (mm)	Length (m)		Bit Number		Size (mm)	Mod Type	Water	Oil	Other	Product	Amount	Type	Time	Mod Type	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	Category	Make	Stroke Length (mm)	No.	Top Screen	Middle Screen	Bottom Screen						
Drill Pipe	Stands (m)															Time	Mod Type	Water	Oil	Other	Product	Amount	Type																		
Drill Pipe	Singles (m)															Time	Mod Type	Water	Oil	Other	Product	Amount	Type																		
Weight of DC (kDaN)	Kelly Down (m)															Time	Mod Type	Water	Oil	Other	Product	Amount	Type																		
Weight of string (kDaN)	Total (m)															Time	Mod Type	Water	Oil	Other	Product	Amount	Type																		
DULL GRADE						T ₁	Gage (mm)	T ₂	Mod	DC								T ₁	Gage (mm)	T ₂	Mod	DC																			
Drill Pipe	Stands (m)															Drill Pipe	Stands (m)																								
Drill Pipe	Singles (m)															Drill Pipe	Singles (m)																								
Weight of DC (kDaN)	Kelly Down (m)															Weight of DC (kDaN)	Kelly Down (m)																								
Weight of string (kDaN)	Total (m)															Weight of string (kDaN)	Total (m)																								
SAFETY												SAFETY																													
RIG MOVE												RIG MOVE																													

TOUR 2												SIGNATURE OF DRILLER			TOUR 2																										
DRILLING ASSEMBLY						BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						TIME LOG					
No.	Component	OD (mm)	ID (mm)	Length (m)		Bit Number		Size (mm)	Mod Type	Water	Oil	Other	Product	Amount	Type	Time	Mod Type	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	Category	Make	Stroke Length (mm)	No.	Top Screen	Middle Screen	Bottom Screen						
Drill Pipe	Stands (m)															Drill Pipe	Stands (m)																								
Drill Pipe	Singles (m)															Drill Pipe	Singles (m)																								
Weight of DC (kDaN)	Kelly Down (m)															Weight of DC (kDaN)	Kelly Down (m)																								
Weight of string (kDaN)	Total (m)															Weight of string (kDaN)	Total (m)																								
DULL GRADE						T ₁	Gage (mm)	T ₂	Mod	DC								T ₁	Gage (mm)	T ₂	Mod	DC																			
Drill Pipe	Stands (m)															Drill Pipe	Stands (m)																								
Drill Pipe	Singles (m)															Drill Pipe	Singles (m)																								
Weight of DC (kDaN)	Kelly Down (m)															Weight of DC (kDaN)	Kelly Down (m)																								
Weight of string (kDaN)	Total (m)															Weight of string (kDaN)	Total (m)																								
SAFETY												SAFETY																													
RIG MOVE												RIG MOVE																													

TOUR 3												SIGNATURE OF DRILLER			TOUR 3																										
DRILLING ASSEMBLY						BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						TIME LOG					
No.	Component	OD (mm)	ID (mm)	Length (m)		Bit Number		Size (mm)	Mod Type	Water	Oil	Other	Product	Amount	Type	Time	Mod Type	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	Category	Make	Stroke Length (mm)	No.	Top Screen	Middle Screen	Bottom Screen						
Drill Pipe	Stands (m)															Drill Pipe	Stands (m)																								
Drill Pipe	Singles (m)															Drill Pipe	Singles (m)																								
Weight of DC (kDaN)	Kelly Down (m)															Weight of DC (kDaN)	Kelly Down (m)																								
Weight of string (kDaN)	Total (m)															Weight of string (kDaN)	Total (m)																								
DULL GRADE						T ₁	Gage (mm)	T ₂	Mod	DC								T ₁	Gage (mm)	T ₂	Mod	DC																			
Drill Pipe	Stands (m)															Drill Pipe	Stands (m)																								
Drill Pipe	Singles (m)															Drill Pipe	Singles (m)																								
Weight of DC (kDaN)	Kelly Down (m)															Weight of DC (kDaN)	Kelly Down (m)																								
Weight of string (kDaN)	Total (m)															Weight of string (kDaN)	Total (m)																								
SAFETY												SAFETY																													
RIG UP												RIG UP																													



Pason
V.L.P.

FRONT PAGE SUMMARY												
		Tour Sheet Serial Number		Vadair Software Version		Year	Month	Day				
		072245.20100206.01		Pason		2010	02	06				
Rig No.		Well Name		Surface Location		Prov	Loc Type	Unique Well Id	Kelly Bushing			
245		Para et al Cameron F-77		60-06-78-304W1738-04-TW		NT	AT	300F116010117150	4			
License No. / Operator		Contractor		Well Type		Re-Entry						
1221 PARAMOUNT RESOURCES LTD.		PRECISION DRILLING, DIV OF PDC		VERT		<input type="checkbox"/>						
Operator's AFE		Contractor's Job No		Spud Date		Time						
39N10009		354		2010/02/06		01:00						
Signature of Operator Representative		Signature of Contractor's Rig manager		Rig Release Date		Time						
HALE YARDLEY		ERICK BIGRAS										
TOUR 1												
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			84								
	Hrs Run Today			5.00								
	Cumulative Hrs Run			5.00								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)											
	BRG											
	Weight of DC (kDaN)	12	Kelly Down (m)	7.01								
	Weight of string (kDaN)	19	Total (m)	84.00								
TOUR 2												
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
1	PONY DC	158	1	4.60								
1	JARS-HYD	158	1	5.26								
7	DC (6.25 IN)	158	1	64.07								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			159								
	Hrs Run Today			7.00								
	Cumulative Hrs Run			12.00								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)											
	BRG											
	Weight of DC (kDaN)	12	Kelly Down (m)	8.08								
	Weight of string (kDaN)	23	Total (m)	159.00								
TOUR 3												
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
1	PONY DC	158	1	4.60								
1	JARS-HYD	158	1	5.26								
8	DC (6.25 IN)	158	1	72.93								
1	X/O	158	1	0.27								
6	HWDP(4.0 IN)	135	1	55.44								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			236								
	Hrs Run Today			6.50								
	Cumulative Hrs Run			18.50								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)											
	BRG											
	Weight of DC (kDaN)	12	Kelly Down (m)	10.98								
	Weight of string (kDaN)	23	Total (m)	236.00								
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
1	PONY DC	158	1	4.60								
1	JARS-HYD	158	1	5.26								
8	DC (6.25 IN)	158	1	72.93								
1	X/O	158	1	0.27								
6	HWDP(4.0 IN)	135	1	55.44								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			236								
	Hrs Run Today			6.50								
	Cumulative Hrs Run			23								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)											
	BRG											
	Weight of DC (kDaN)	12	Kelly Down (m)	9.53								
	Weight of string (kDaN)	23	Total (m)	236.00								
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
1	PONY DC	158	1	4.60								
1	JARS-HYD	158	1	5.26								
8	DC (6.25 IN)	158	1	72.93								
1	X/O	158	1	0.27								
6	HWDP(4.0 IN)	135	1	55.44								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			236								
	Hrs Run Today			6.50								
	Cumulative Hrs Run			23								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)											
	BRG											
	Weight of DC (kDaN)	12	Kelly Down (m)	10.98								
	Weight of string (kDaN)	23	Total (m)	236.00								
SIGNATURE OF DRILLER												
DRILLING ASSEMBLY												
BITS												
No.	Component	OD (mm)	ID (mm)	Length (m)								
1	BIT	311	0	0.30								
1	BIT SUB	203	1	0.71								
2	DC (6.00 IN)	203	1	18.02								
1	BELL SUB	158	1	0.76								
1	DC (6.25 IN)	158	1	8.78								
1	TELEDRIFT	158	1	2.62								
5	DC (6.25 IN)	158	1	45.80								
1	PONY DC	158	1	4.60								
1	JARS-HYD	158	1	5.26								
8	DC (6.25 IN)	158	1	72.93								
1	X/O	158	1	0.27								
6	HWDP(4.0 IN)	135	1	55.44								
	Depth (m)											
	Depth In (m)			0								
	Total Drilled (m)			236								
	Hrs Run Today			6.50								
	Cumulative Hrs Run			23								
	Entry Date			2010/02/06								
DULL GRADE												
	T ₁	Gage (mm)										
	T ₂	ODC										
	Reason Pulled											
	MDC											
	Total Run (m/hr)	</										

FRONT PAGE SUMMARY		Job Sheet Serial Number	Vendor/Software Version	Year	Month	Day	DAILY CHECKS		OP RM	FUEL @ 08:00 HOURS		DRILL PIPE		MUD PUMPS		GENERAL EQUIPMENT & SERVICES											
		UJ52245_20100207_10	Pason	2010	02	07	1) Daily Walk Around Inspection		HV	ER	Rig		Category Thread Type Grade		60 ft/m	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint CD (m)	Description		Hours					
Rig No.		Well Name	Surface Location	Prop. or Type	Location	Well ID	2) Detailed Inspection - Walks Using Check List		HV	ER	Boiler		DP 4" FH		SSR5	102	65	23,830.00	185	MUD PUMP		24.00					
245		Para el Camerón F-77	60.00E 23.30N 117.25°	NT	ATC	500F116010117150	3) H2S Signs Posted & Identified		HV	ER	Op Fuel		DC 4.5" XH		SSR5	156	58	134,000.00	18	DIVERTER		24.00					
License No.		Operator	Contractor	Well Type	Sta-Entry		4) Well License & Stock Diagram Posted		HV	ER	WEATHER		HW 4" FH		HWDP	102	65	41,640.00	6	LOADER		24.00					
1221		PARACUMI RESOURCES LTD	Precision Drilling, D.V. of PDC	VENET			5) Haze Lines Staked		HV	ER	Time		Temp		-28					Description		Hours					
Operator's AFE		Contractor's Job No					6) Visually Inspected BOPs - Flare Lines & Degassers Lines		HV	ER	Temp		Current Conditions		CLEAR					MUD PUMP		24.00					
USN0106009		Signature of Operator Representative	Signature of Contractor's Rig Manager				7) Visually Inspected BOPs - Flare Lines & Degassers Lines		HV	ER	Wind Direction		Wind Speed		NE					DIVERTER		24.00					
HALF YARDLEY		ERICK BIGRAS					8) Visually Inspected BOPs - Flare Lines & Degassers Lines		HV	ER	Wind Speed		Wind Strength		UP TO 19 KM/H					LOADER		24.00					
							9) Motor Kbs Checked		HV	ER	Wind Condition		Road Condition		FAIR					Description		Hours					
TOUR 1																		SIGNATURE OF DRILLER									
DRILLING ASSEMBLY																		ROMEO DASTOUS									
No.		Component	OD (mm)	ID (mm)	Length (m)		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG										
1		BIT	311		0.30		Bit Number (TRR)		Size (mm)	Water (L/s)	Oil (L/s)	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN.m)	From	To	Elapsed	Code			
1		BIT SUB	203	1	0.71		WDC Code						SAWDUST	15	SACK	236	324	DRILL	150	4	00:00	00:45	0.752	DRILL 311 MM HOLE FROM 236 M TO 246M			
2		DC (8.00 IN)	203	1	18.02		Manufacturer		VAREL				KELZAN	1	SACK						00:45	01:00	0.257	RIG SERVICES, FUNCTION DIVERTER 20 SEC CLOSED			
3		BELL SUB	158	1	0.76		Type		HE04/MRSV				HYPERDRILLAF247RD	1	SACK						01:00	01:15	0.2510	DEVIATION SURVEY			
4		DC (6.25 IN)	158	1	0.76		Serial No.		235625				DETERGENT	1	PAIL						01:15	03:00	1.752	DRILL 311MM HOLE FROM 246 M TO 274M			
5		DC (6.25 IN)	158	1	0.76		Jets (mm)		14.3 14.3 14.3 14.3				TKPP	1	SACK						03:00	03:15	0.2510	DEVIATION SURVEY			
6		TEL/ADRIFT	158	1	2.62		Depth (m)		255	275											03:15	04:45	2.502	DRILL 311MM HOLE FROM 274M TO 303 M			
7		PONY DC	158	1	4.60		Depth Out (m)		55	51											04:45	06:00	0.2551	HAND OVER SAFETY MEETING			
8		JARS-HYD	158	1	5.26		Depth In (m)														06:00	06:15					
9		DC (6.25 IN)	158	1	7.93		Total Drilled (m)		324												06:15	08:00	1.752	DRILL 311 MM HOLE FROM 303 M TO 324M			
10		X/O	158	1	0.27		Hrs Run Today		0.50																		
11						Cumulative Hrs Run		25.00																			
12						Entry Date		2010/02/07																			
DULL GRADE																		SIGNATURE OF DRILLER									
SAFETY																		JOE LEADLEY									
No.		Component	OD (mm)	ID (mm)	Length (m)		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG										
1		BIT	311		0.30		Bit Number (TRR)		Size (mm)	Water (L/s)	Oil (L/s)	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN.m)	From	To	Elapsed	Code			
1		BIT SUB	203	1	0.71		WDC Code						SAWDUST	15	SACK	236	324	DRILL	150	4	00:00	00:45	0.752	DRILL 311 MM HOLE FROM 236 M TO 246M			
2		DC (8.00 IN)	203	1	18.02		Manufacturer		VAREL				KELZAN	1	SACK						00:45	01:00	0.257	RIG SERVICES, FUNCTION DIVERTER 20 SEC CLOSED			
3		BELL SUB	158	1	0.76		Type		HE04/MRSV				HYPERDRILLAF247RD	1	SACK						01:00	01:15	0.2510	DEVIATION SURVEY			
4		DC (6.25 IN)	158	1	0.76		Serial No.		235625				DETERGENT	1	PAIL						01:15	03:00	1.752	DRILL 311MM HOLE FROM 246 M TO 274M			
5		DC (6.25 IN)	158	1	2.62		Jets (mm)		14.3 14.3 14.3 14.3				TKPP	1	SACK						03:00	03:15	0.2510	DEVIATION SURVEY			
6		TEL/ADRIFT	158	1	2.62		Depth (m)		320	350	378										03:15	04:45	2.502	DRILL 311MM HOLE FROM 274M TO 303 M			
7		PONY DC	158	1	4.60		Depth Out (m)		51	51	52										04:45	06:00	0.2551	HAND OVER SAFETY MEETING			
8		JARS-HYD	158	1	5.26		Depth In (m)																				
9		DC (6.25 IN)	158	1	7.93		Total Drilled (m)		378																		
10		X/O	158	1	0.27		Hrs Run Today		0.50																		
11						Cumulative Hrs Run		28.75																			
12						Entry Date		2010/02/07																			
DULL GRADE																		SIGNATURE OF DRILLER									
SAFETY																		JOE LEADLEY									
No.		Component	OD (mm)	ID (mm)	Length (m)		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG										
1		BIT	311		0.30		Bit Number (TRR)		Size (mm)	Water (L/s)	Oil (L/s)	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN.m)	From	To	Elapsed	Code			
1		BIT SUB	203	1	0.71		WDC Code						SAWDUST	15	SACK	236	324	DRILL	150	4	00:00	00:45	0.752	DRILL 311 MM HOLE FROM 236 M TO 246M			
2		DC (8.00 IN)	203	1	18.02		Manufacturer		VAREL				KELZAN	1	SACK						00:45	01:00	0.257	RIG SERVICES, FUNCTION DIVERTER 20 SEC CLOSED			
3		BELL SUB	158	1	0.76		Type		HE04/MRSV				HYPERDRILLAF247RD	1	SACK						01:00	01:15	0.2510	DEVIATION SURVEY			
4		DC (6.25 IN)	158	1	0.76		Serial No.		235625				DETERGENT	1	PAIL						01:15	03:00	1.752	DRILL 311MM HOLE FROM 246 M TO 274M			
5		DC (6.25 IN)	158	1	2.62		Jets (mm)		14.3 14.3 14.3 14.3				TKPP	1	SACK						03:00	03:15	0.2510	DEVIATION SURVEY			
6		TEL/ADRIFT	158	1	2.62		Depth (m)		320	350	378										03:15	04:45	2.502	DRILL 311MM HOLE FROM 274M TO 303 M			
7		PONY DC	158	1	4.60		Depth Out (m)		51	51	52										04:45	06:00	0.2551	HAND OVER SAFETY MEETING			
8		JARS-HYD	158	1	5.26		Depth In (m)																				
9		DC (6.25 IN)	158	1	7.93		Total Drilled (m)		378																		
10		X/O	158	1	0.27		Hrs Run Today		0.25																		
11						Cumulative Hrs Run		29.00																			
12						Entry Date		2010/02/07																			
DULL GRADE																		SIGNATURE OF DRILLER									
SAFETY																		JOE LEADLEY									
No.		Component	OD (mm)	ID (mm)	Length (m)		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG										
1		BIT	311		0.30		Bit Number (TRR)		Size (mm)	Water (L/s)	Oil (L/s)	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN.m)	From	To	Elapsed	Code			
1		BIT SUB	203	1	0.71		WDC Code						SAWDUST	15	SACK	236	324	DRILL	150	4	00:00	00:45	0.752	DRILL 311 MM HOLE FROM 236 M TO 246M			
2		DC (8.00 IN)	203	1	18.02		Manufacturer		VAREL				KELZAN	1	SACK						00:45	01:00	0.257	RIG SERVICES, FUNCTION DIVERTER 20 SEC CLOSED			
3		BELL SUB	158	1	0.76		Type		HE04/MRSV				HYPERDRILLAF247RD	1	SACK						01:00	01:15	0.2510	DEVIATION SURVEY			
4		DC (6.25 IN)	158	1	0.76		Serial No.		235625				DETERGENT	1	PAIL						01:15	03:00	1.752	DRILL 311MM HOLE FROM 246 M TO 274M			
5		DC (6.25 IN)	158	1	2.62		Jets (mm)		14.3 14.3 14.3 14.3				TKPP	1	SACK						03:00	03:15	0.2510	DEVIATION SURVEY			
6		TEL/ADRIFT	158	1	2.62		Depth (m)		320	350	378										03:15	04:45	2.502	DRILL 311MM HOLE FROM 274M TO 303 M			
7		PONY DC	158	1	4.60		Depth Out (m)		51	51	52										04:45	06:00	0.2551	HAND OVER SAFETY MEETING			
8		JARS-HYD	158	1	5.26		Depth In (m)																				
9		DC (6.25 IN)	158	1	7.93		Total Drilled (m)		378																		
10		X/O	158	1	0.27		Hrs Run Today		0.25																		
11						Cumulative Hrs Run		29.00																			
12						Entry Date		2010/02/07																			
DULL GRADE																		SIGNATURE OF DRILLER									
SAFETY																		JOE LEADLEY									
No.		Component	OD (mm)	ID (mm)	Length (m)		BITS		MUD RECORD		MUD MATERIALS ADDED		METRES DRILLED		HOLE CONDITION		TIME LOG										
1		BIT	311		0.30		Bit Number (TRR)		Size (mm)	Water (L/s)	Oil (L/s)	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN.m)	From	To	Elapsed	Code			
1		BIT SUB	203	1	0.71		WDC Code						SAWDUST	15	SACK	236	324	DRILL	150	4	00:00	00:45	0.752	DRILL 311 MM HOLE FROM 236 M TO 246M			
2		DC (8.00 IN)	203	1	18.02		Manufacturer		VAREL				KELZAN	1	SACK						00:45	01:00	0.257	RIG SERVICES, FUNCTION DIVERTER 20 SEC CLOSED			
3		BELL SUB	158	1	0.76		Type		HE04/MRSV				HYPERDRILLAF247RD	1	SACK						01:00	01:15	0.2510	DEVIATION SURVEY			
4		DC (6.25 IN)	158	1	0.76		Serial No.		235625				DETERGENT	1	PAIL						01:15	03:00	1.752	DRILL 311MM HOLE FROM 246 M TO 274M			
5		DC (6.25 IN)	158	1	2.62		Jets (mm)		14.3 14.3 14.3 14.3				TKPP	1	SACK						03:00	03:15	0.2510	DEVIATION SURVEY			
6		TEL/ADRIFT	158	1	2.62		Depth (m)		320	350	378										03:15	04:45	2.502	DRILL 311MM HOLE FROM 274M TO 303 M			
7		PONY DC	158	1	4.60		Depth Out (m)		51	51	52										04:45	06:00	0.2551	HAND OVER SAFETY MEETING			
8		JARS-HYD	158	1	5.26		Depth In (m)																				
9		DC (6.25 IN)	158	1	7.93		Total Drilled (m)		378																		
10		X/O	158	1	0.27		Hrs Run Today		0.25																		
11						Cumulative Hrs Run		29.00			</td																

FRONT PAGE SUMMARY			
Tour Sheet Serial Number		Version	Year Month Day
DVS2245, 20100206, 1A		Pason	2010 02 06
Rig No.	Well Name	Surface Location	Prop. Loc. Type
245	Para el Cameron F-77	60°28.29'N 172°04'W	NT AT CNO
License No. Operator		Contractor	Well Type
1231 PARAMOUNT RESOURCES LTD.		PRECISION DRILLING, DIV OF PDC	VERT
Operator's AFE		Contractor's Job No	Spud Date
39N10009		354	2010/02/06 01:00
Signature of Operator Representative		Signature of Contractor's Rig manager	Rig Release Date
HALE YARDLEY		ERICK BIGRAS	Time
7) Visually Inspected BOP - Flare Lines & Casing Lines			
8) Rig Site Health & Safety Meeting (one/cycle/month)			
9) CQOC/Rig Safety Inspection Checklist (one/15/month)			
10) Well Inspection before Raising or Lowering			
11) Crown Saver Checked			
12) Motor Kills Checked			
13) Motor Kill			
14) Grown Saver Checked			
15) Motor Kill			
16) Grown Saver Checked			
17) Motor Kill			
18) Grown Saver Checked			
19) Motor Kill			
20) Grown Saver Checked			
21) Motor Kill			
22) Grown Saver Checked			
23) Motor Kill			
24) Grown Saver Checked			
25) Motor Kill			
26) Grown Saver Checked			
27) Motor Kill			
28) Grown Saver Checked			
29) Motor Kill			
30) Grown Saver Checked			
31) Motor Kill			
32) Grown Saver Checked			
33) Motor Kill			
34) Grown Saver Checked			
35) Motor Kill			
36) Grown Saver Checked			
37) Motor Kill			
38) Grown Saver Checked			
39) Motor Kill			
40) Grown Saver Checked			
41) Motor Kill			
42) Grown Saver Checked			
43) Motor Kill			
44) Grown Saver Checked			
45) Motor Kill			
46) Grown Saver Checked			
47) Motor Kill			
48) Grown Saver Checked			
49) Motor Kill			
50) Grown Saver Checked			
51) Motor Kill			
52) Grown Saver Checked			
53) Motor Kill			
54) Grown Saver Checked			
55) Motor Kill			
56) Grown Saver Checked			
57) Motor Kill			
58) Grown Saver Checked			
59) Motor Kill			
60) Grown Saver Checked			
61) Motor Kill			
62) Grown Saver Checked			
63) Motor Kill			
64) Grown Saver Checked			
65) Motor Kill			
66) Grown Saver Checked			
67) Motor Kill			
68) Grown Saver Checked			
69) Motor Kill			
70) Grown Saver Checked			
71) Motor Kill			
72) Grown Saver Checked			
73) Motor Kill			
74) Grown Saver Checked			
75) Motor Kill			
76) Grown Saver Checked			
77) Motor Kill			
78) Grown Saver Checked			
79) Motor Kill			
80) Grown Saver Checked			
81) Motor Kill			
82) Grown Saver Checked			
83) Motor Kill			
84) Grown Saver Checked			
85) Motor Kill			
86) Grown Saver Checked			
87) Motor Kill			
88) Grown Saver Checked			
89) Motor Kill			
90) Grown Saver Checked			
91) Motor Kill			
92) Grown Saver Checked			
93) Motor Kill			
94) Grown Saver Checked			
95) Motor Kill			
96) Grown Saver Checked			
97) Motor Kill			
98) Grown Saver Checked			
99) Motor Kill			
100) Grown Saver Checked			
101) Motor Kill			
102) Grown Saver Checked			
103) Motor Kill			
104) Grown Saver Checked			
105) Motor Kill			
106) Grown Saver Checked			
107) Motor Kill			
108) Grown Saver Checked			
109) Motor Kill			
110) Grown Saver Checked			
111) Motor Kill			
112) Grown Saver Checked			
113) Motor Kill			
114) Grown Saver Checked			
115) Motor Kill			
116) Grown Saver Checked			
117) Motor Kill			
118) Grown Saver Checked			
119) Motor Kill			
120) Grown Saver Checked			
121) Motor Kill			
122) Grown Saver Checked			
123) Motor Kill			
124) Grown Saver Checked			
125) Motor Kill			
126) Grown Saver Checked			
127) Motor Kill			
128) Grown Saver Checked			
129) Motor Kill			
130) Grown Saver Checked			
131) Motor Kill			
132) Grown Saver Checked			
133) Motor Kill			
134) Grown Saver Checked			
135) Motor Kill			
136) Grown Saver Checked			
137) Motor Kill			
138) Grown Saver Checked			
139) Motor Kill			
140) Grown Saver Checked			
141) Motor Kill			
142) Grown Saver Checked			
143) Motor Kill			
144) Grown Saver Checked			
145) Motor Kill			
146) Grown Saver Checked			
147) Motor Kill			
148) Grown Saver Checked			
149) Motor Kill			
150) Grown Saver Checked			
151) Motor Kill			
152) Grown Saver Checked			
153) Motor Kill			
154) Grown Saver Checked			
155) Motor Kill			
156) Grown Saver Checked			
157) Motor Kill			
158) Grown Saver Checked			
159) Motor Kill			
160) Grown Saver Checked			
161) Motor Kill			
162) Grown Saver Checked			
163) Motor Kill			
164) Grown Saver Checked			
165) Motor Kill			
166) Grown Saver Checked			
167) Motor Kill			
168) Grown Saver Checked			
169) Motor Kill			
170) Grown Saver Checked			
171) Motor Kill			
172) Grown Saver Checked			
173) Motor Kill			
174) Grown Saver Checked			
175) Motor Kill			
176) Grown Saver Checked			
177) Motor Kill			
178) Grown Saver Checked			
179) Motor Kill			
180) Grown Saver Checked			
181) Motor Kill			
182) Grown Saver Checked			
183) Motor Kill			
184) Grown Saver Checked			
185) Motor Kill			
186) Grown Saver Checked			
187) Motor Kill			
188) Grown Saver Checked			
189) Motor Kill			
190) Grown Saver Checked			
191) Motor Kill			
192) Grown Saver Checked			
193) Motor Kill			
194) Grown Saver Checked			
195) Motor Kill			
196) Grown Saver Checked			
197) Motor Kill			
198) Grown Saver Checked			
199) Motor Kill			
200) Grown Saver Checked			
201) Motor Kill			
202) Grown Saver Checked			
203) Motor Kill			
204) Grown Saver Checked			
205) Motor Kill			
206) Grown Saver Checked			
207) Motor Kill			
208) Grown Saver Checked			
209) Motor Kill			
210) Grown Saver Checked			
211) Motor Kill			
212) Grown Saver Checked			
213) Motor Kill			
214) Grown Saver Checked			
215) Motor Kill			
216) Grown Saver Checked			
217) Motor Kill			
218) Grown Saver Checked			
219) Motor Kill			
220) Grown Saver Checked			
221) Motor Kill			
222) Grown Saver Checked			
223) Motor Kill			
224) Grown Saver Checked			
225) Motor Kill			
226) Grown Saver Checked			
227) Motor Kill			
228) Grown Saver Checked			
229) Motor Kill			
230) Grown Saver Checked			
231) Motor Kill			
232) Grown Saver Checked			
233) Motor Kill			
234) Grown Saver Checked			
235) Motor Kill			
236) Grown Saver Checked			
237) Motor Kill			
238) Grown Saver Checked			
239) Motor Kill			
240) Grown Saver Checked			
241) Motor Kill			
242) Grown Saver Checked			
243) Motor Kill			
244) Grown Saver Checked			
245) Motor Kill			
246) Grown Saver Checked			
247) Motor Kill			
248) Grown Saver Checked			
249) Motor Kill			
250) Grown Saver Checked			
251) Motor Kill			
252) Grown Saver Checked			
253) Motor Kill			
254) Grown Saver Checked			
255) Motor Kill			
256) Grown Saver Checked			
257) Motor Kill			
258) Grown Saver Checked			
259) Motor Kill			
260) Grown Saver Checked			
261) Motor Kill			
262) Grown Saver Checked			
263) Motor Kill			
264) Grown Saver Checked			
265) Motor Kill			
266) Grown Saver Checked			
267) Motor Kill			
268) Grown Saver Checked			
269) Motor Kill			
270) Grown Saver Checked			
271) Motor Kill			
272) Grown Saver Checked			
273) Motor Kill			
274) Grown Saver Checked			
275) Motor Kill			
276) Grown Saver Checked			
277) Motor Kill			
278) Grown Saver Checked			
279) Motor Kill			
280) Grown Saver Checked			
281) Motor Kill			
282) Grown Saver Checked			
283) Motor Kill			
284) Grown Saver Checked			
285) Motor Kill			
286) Grown Saver Checked			
287) Motor Kill			
288) Grown Saver Checked			
289) Motor Kill			
290) Grown Saver Checked			
291) Motor Kill			
292) Grown Saver Checked			
293) Motor Kill			
294) Grown Saver Checked			
295) Motor Kill			
296) Grown Saver Checked			
297) Motor Kill			
298) Grown Saver Checked			
299) Motor Kill			
300) Grown Saver Checked			
301) Motor Kill			
302) Grown Saver Checked			
303) Motor Kill			
304) Grown Saver Checked			
305) Motor Kill			
306) Grown Saver Checked			
307) Motor Kill			
308) Grown Saver Checked			
309) Motor Kill			
310) Grown Saver Checked			
311) Motor Kill			
312) Grown Saver Checked			
313) Motor Kill			
314) Grown Saver Checked			
315) Motor Kill			
316) Grown Saver Checked			
317) Motor Kill			
318) Grown Saver Checked			
319) Motor Kill			
320) Grown Saver Checked			
321) Motor Kill			
322) Grown Saver Checked			
323) Motor Kill			
324) Grown Saver Checked			
325) Motor Kill			
326) Grown Saver Checked			
327) Motor Kill			
328) Grown Saver Checked			
329) Motor Kill			
330) Grown Saver Checked			
331) Motor Kill			
332) Grown Saver Checked			
333) Motor Kill			
334) Grown Saver Checked			
335) Motor Kill			
336) Grown Saver Checked			
337) Motor Kill			
338) Grown Saver Checked			
339) Motor Kill			
340) Grown Saver Checked			
341) Motor Kill			
342) Grown Saver Checked			
343) Motor Kill			
344) Grown Saver Checked			
345) Motor Kill			
346) Grown Saver Checked			
347) Motor Kill			
348) Grown Saver Checked			
349) Motor Kill			
350) Grown Saver Checked			
351) Motor Kill			
352) Grown Saver Checked			
353) Motor Kill			
354) Grown Saver Checked			
355) Motor Kill			
356) Grown Saver Checked			
357) Motor Kill			
358) Grown Saver Checked			
359) Motor Kill			
360) Grown Saver Checked			
361) Motor Kill			
362) Grown Saver Checked			
363) Motor Kill			
364) Grown Saver Checked			
365) Motor Kill			
366) Grown Saver Checked			
367) Motor Kill			
368) Grown Saver Checked			
369) Motor Kill			
370) Grown Saver Checked			
371) Motor Kill			
372) Grown Saver Checked			
373) Motor Kill			
374) Grown Saver Checked			
375) Motor Kill			
376) Grown Saver Checked			
377) Motor Kill			
378) Grown Saver Checked			
379) Motor Kill			
380) Grown Saver Checked			
381) Motor Kill			
382) Grown Saver Checked			
383) Motor Kill			
384) Grown Saver Checked			
385) Motor Kill			
386) Grown Saver Checked			
387) Motor Kill			
388) Grown Saver Checked			
389) Motor Kill			
390) Grown Saver Checked			
391) Motor Kill			
392) Grown Saver Checked			
393) Motor Kill			
394) Grown Saver Checked			
395) Motor Kill			
396) Grown Saver Checked			
397) Motor Kill			
398) Grown Saver Checked			
399) Motor Kill			
400) Grown Saver Checked			
401) Motor Kill			
402) Grown Saver Checked			
403) Motor Kill			
404) Grown Saver Checked			
405) Motor Kill			
406) Grown Saver Checked			
407) Motor Kill			
408) Grown Saver Checked			
409) Motor Kill			
410) Grown Saver Checked			
411) Motor Kill			
412) Grown Saver Checked			
413) Motor Kill			
414) Grown Saver Checked			
415) Motor Kill			
416) Grown Saver Checked			
417) Motor Kill			
418) Grown Saver Checked			
419) Motor Kill			
420) Grown Saver Checked			
421) Motor Kill			
422) Grown Saver Checked			
423) Motor Kill			
424) Grown Saver Checked			
425) Motor Kill			
426) Grown Saver Checked			
427) Motor Kill			
428) Grown Saver Checked			
429) Motor Kill			
430) Grown Saver Checked			
431) Motor Kill			
432) Grown Saver Checked			
433) Motor Kill			
434) Grown Saver Checked			
435) Motor Kill			
436) Grown Saver Checked			
437) Motor Kill			
438) Grown Saver Checked			
439) Motor Kill			
440) Grown Saver Checked			
441) Motor Kill			
442) Grown Saver Checked			
443) Motor Kill			
444) Grown Saver Checked			
445) Motor Kill			
446) Grown Saver Checked			
447) Motor Kill			
448) Grown Saver Checked			
449) Motor Kill			
450) Grown Saver Checked			
451) Motor Kill			
452) Grown Saver Checked			
453) Motor Kill			
454) Grown Saver Checked			
455) Motor Kill			
456) Grown Saver Checked			
457) Motor Kill			
458) Grown Saver Checked			
459) Motor Kill			
460) Grown Saver Checked			
461) Motor Kill			
462) Grown Saver Checked			
463) Motor Kill			
464) Grown Saver Checked			
465) Motor Kill			
466) Grown Saver Checked			
467) Motor Kill			
468) Grown Saver Checked			
469) Motor Kill			
470) Grown Saver Checked			
471) Motor Kill			
472) Grown Saver Checked			
473) Motor Kill			
474) Grown Saver Checked			
475) Motor Kill			
476) Grown Saver Checked			
477) Motor Kill			
478) Grown Saver Checked			
479) Motor Kill			
480) Grown Saver Checked			
481) Motor Kill			
482) Grown Saver Checked			
483) Motor Kill			
484) Grown Saver Checked			
485) Motor Kill			
486) Grown Saver Checked			
487) Motor Kill			
488) Grown Saver Checked			
489) Motor Kill			
490) Grown Saver Checked			
491) Motor Kill			
492) Grown Saver Checked			
493) Motor Kill			
494) Grown Saver Checked			
495) Motor Kill			
496) Grown Saver Checked			
497) Motor Kill			
498) Grown Saver Checked			
499) Motor Kill			
500) Grown Saver Checked			
501) Motor Kill			
502) Grown Saver Checked			
503) Motor Kill			
504) Grown Saver Checked			
505) Motor Kill			
506) Grown Saver Checked			
507) Motor Kill			
508) Grown Saver Checked			
509) Motor Kill			
510) Grown Saver Checked			
511) Motor Kill			
512) Grown Saver Checked			
513) Motor Kill			
514) Grown Saver Checked			
515) Motor Kill			
516) Grown Saver Checked			
517) Motor Kill			
518) Grown Saver Checked			
519) Motor Kill			
520) Grown Saver Checked			
521) Motor Kill			
522) Grown Saver Checked			
523) Motor Kill			
524) Grown Saver Checked			
525) Motor Kill			
526) Grown Saver Checked			
527) Motor Kill			
528) Grown Saver Checked			
529) Motor Kill			
530) Grown Saver Checked			
531) Motor Kill			
532) Grown Saver Checked			
533) Motor Kill			
534) Grown Saver Checked			
535) Motor Kill			
536) Grown Saver Checked			
537) Motor Kill			
538) Grown Saver Checked			
539) Motor Kill			
540) Grown Saver Checked			
541) Motor Kill			
542) Grown Saver Checked			

FRONT PAGE SUMMARY									
Your Sheet Serial Number		Vendor Software Version		Year	Months	Day			
075245_20100209_1B		Pason		2010	02	09			
Rig No. Well Name		Surface Location		Prev. Use Type	Unique Well ID		Kelly Bushing		
245 Parat et al Cameron F-77		60-05-29-30W/117-28-00N		NT AT CNG	300F116010117150		4		
License No. Operator		Contractor		Well Type	Re-Entry				
1221 PARAGMONT RESOURCES LTD		PRECISION DRILLING, DIV OF POC		VERT					
Operators AFE		Contractors Job No		Spud Date	Time				
09N010009				2010/02/06	01:00				
Signature of Operator Representative		Signature of Contractor's Rig Manager		Rig Release Date	Time				
HALYARDLEY		ERICK BIGRAS							
TOUR 1									
SIGNATURE OF DRILLER									
DRILLING ASSEMBLY									
BITS									
No.	Component	OD (mm)	ID (mm)	Length (m)					
1	BIT	200	0	0.20					
1	BIT SUB	158	1	0.71					
1	TELEDRIFT	158	1	2.62					
5	DC (6.25 IN)	158	1	45.01					
1	SHORT DC 6.25"	158	1	4.60					
1	JARS-MECH	158	1	5.26					
9	DC (6.25 IN)	158	1	12.0					
1	DC (6.25 IN)	158	1	12.0					
6	HWDP(4.0 IN)	135	1	55.44					
MUD RECORD									
Bit Number	2	Size (mm)	200	WATER	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Other	<input type="checkbox"/>
WDC Code	M	2	2	2					
Manufacturer	REED								
Type	DSX16M-A3PDC								
Serial No.	114176								
Jets (mm)	12.0, 12.0, 12.0, 12.0								
Depth Out (m)	378								
Total Drilled (m)	0								
Hrs Run Today	0.00								
Cumulative Hrs Run	0.00								
Entry Date	2010/02/09								
DULL GRADE									
T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)
8	Drill Pipe	Stands (m)	152.71	0	0.00	0	0.00	0	0.00
0	Drill Pipe	Singles (m)	0.00	0	0.00	0	0.00	0	0.00
Weight of DC (kN/m)	Kelly Down (m)	11.40							
Weight of string (kN/m)	Total (m)	360.72							
SOLIDS CONTROL									
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)					
PRESS TESTING		25	4596						
SAFETY									
Safety Topic: MEHL (kdaN) MACP (kpa)									
SIGNATURE OF DRILLER									
ROMEO DASTOUS									
METRES DRILLED									
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)					
0	378	DRILL	100	0					
HOLE CONDITION									
Hole Drag Up (kdaN)									
Hole Drag Down (kdaN)									
Torque at Bottom (Nm)									
Fill on Bottom (m)									
REDUCED PUMP SPEED									
No.	Pressure (kpa)	Strokes/min	Depth (m)						
1	152	0	1755						
2	152	65	1755						
CIRCULATION									
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run					
1	SINGLE	152	0	0.00					
2	SINGLE	152	65	0.00					
DEVIATION SURVEYS									
Time	Depth (m)	Deviation	Direction	Type					
03:30	03:45	0.25	21	SAFETY MEETING & B.O.P DRILL WITH CREW POSITION IN 1 MIN					
03:45	05:45	2.00	6A	MAKE UP B.H.A & TRIP IN HOLE WITH BIT #2					
05:45	06:00	0.25	21	HAND OVER SAFETY MEETING					
Remarks: FUNCTION CROWN SAVER, CHECK TONGS, PIN, BRAKE LINKAGE, ROLLER, DC AND DP SLIPS, BACK UP AND MAKE UP LINE, TUGGER 1 AND TWO, EASY RIDER, FALL ARREST, BLOW BOILER 4X150 LITER.									
TIME LOG									
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks					
00:00	02:15	2.25	1A	FINISH PRESSURE TEST BOPS TEST HYDRILL TO 1,500 KPA LOW, 10,500 HIGH 10 MIN EACH, TEST HCR, BACK UP KILL LINE STA BRING VALVE INSIDE B.O.P TO 1,500 KPA LOW, 15,000 KPA HIGH 10 MIN EACH.					
02:15	02:30	0.25	7	BIG SERVICE, FUNCTION MOTOR KILL, ON					
02:30	03:30	1.00	15	ACCUMULATOR CHECK PRESS AT START, 21,000 PRESS REMAINING AFTER 3 FUNCTION 12,500 TIME TO RECHARGE / 1 MIN 4 SEC/PRECHARGE 600 KPA N 2 BOTTLE 12,100, 10 MIN EACH.					
03:30	03:45	0.25	21	SAFETY MEETING & B.O.P DRILL WITH CREW POSITION IN 1 MIN					
03:45	05:45	2.00	6A	MAKE UP B.H.A & TRIP IN HOLE WITH BIT #2					
05:45	06:00	0.25	21	HARD OVER SAFETY MEETING					
Remarks: FUNCTION CROWN SAVER, CHECK TONGS, PIN, BRAKE LINKAGE, ROLLER, DC AND DP SLIPS, BACK UP AND MAKE UP LINE, TUGGER 1 AND TWO, EASY RIDER, FALL ARREST, BLOW BOILER 4X150 LITER.									
TOUR 2									
SIGNATURE OF DRILLER									
DRILLING ASSEMBLY									
BITS									
No.	Component	OD (mm)	ID (mm)	Length (m)					
1	BIT	200	0	0.30					
1	BIT SUB	158	1	0.71					
1	TELEDRIFT	158	1	2.62					
5	DC (6.25 IN)	158	1	45.01					
1	SHORT DC 6.25"	158	1	4.60					
1	JARS-HYD	158	1	5.26					
9	DC (6.25 IN)	158	1	12.0					
1	DC (6.25 IN)	158	1	12.0					
6	HWDP(4.0 IN)	135	1	55.44					
MUD RECORD									
Bit Number	2	Size (mm)	200	WATER	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Other	<input type="checkbox"/>
WDC Code	M	2	2	2					
Manufacturer	REED								
Type	DSX16M-A3PDC								
Serial No.	114176								
Jets (mm)	12.0, 12.0, 12.0, 12.0								
Depth Out (m)	378								
Total Drilled (m)	96								
Hrs Run Today	5.75								
Cumulative Hrs Run	5.75								
Entry Date	2010/02/09								
DULL GRADE									
T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)
8	Drill Pipe	Stands (m)	152.71	0	0.00	0	0.00	0	0.00
0	Drill Pipe	Singles (m)	9.50	0	0.00	0	0.00	0	0.00
Weight of DC (kN/m)	Kelly Down (m)	6.08							
Weight of string (kN/m)	Total (m)	365.09							
SOLIDS CONTROL									
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)					
UNITED	4.00	1040	1020	1180					
SAFETY									
Safety Topic: MEHL (kdaN) MACP (kpa)									
SIGNATURE OF DRILLER									
JOE LEADLEY									
ROMEO DASTOUS									
METRES DRILLED									
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)					
0	378	DRILL	100	0					
HOLE CONDITION									
Hole Drag Up (kdaN)									
Hole Drag Down (kdaN)									
Torque at Bottom (Nm)									
Fill on Bottom (m)									
REDUCED PUMP SPEED									
No.	Pressure (kpa)	Strokes/min	Depth (m)						
1	2780	0	650						
2	2780	65	455						
CIRCULATION									
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run					
1	SINGLE	152	91	3730					
2	SINGLE	152	91	3730					
DEVIATION SURVEYS									
Time	Depth (m)	Deviation	Direction	Type					
11:15	397.00	0.5	0	TELEDRIFT					
Remarks: DWA FUNC CROWN SAVER, INSPECTED BRAKES & LINKAGES, TONGS, DIES & LINES, SLIPS & DIES, FLARE LINE & DEGASSER LINES, FLARE TANK & IGNITOR, BOP BOLTS & CROSS CHAINS, BLEW BOILER 4X150.									
TIME LOG									
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks					
08:00	08:15	0.25	7	RIG SERVICE(FUNC, HCR 2SEC, TO OPEN)					
08:15	09:45	1.50	2C	DRILL OUT FLOAT & SHOE					
09:45	11:00	1.25	2	DRILL 200mm HOLE F 3/27m TO 398m					
11:00	11:15	0.25	10	SURVEY @ 397m 0.5DEG					
11:15	13:40	3.25	2	DRILL 200mm HOLE F 3/29m TO 446m					
13:40	14:45	0.25	21C	SAFETY MEETING & SCBA TRAINING & RAIMS SAFETY SERVICES					
14:45	16:00	1.25	2	DRILL 200mm HOLE F 4/46m TO 475m					
Remarks: DWA FUNC CROWN SAVER, INSPECTED BRAKES & LINKAGES, TONGS, DIES & LINES, SLIPS & DIES, FLARE LINE & DEGASSER LINES, FLARE TANK & IGNITOR, BOP BOLTS & CROSS CHAINS, BLEW BOILER 4X150.									
TOUR 3									
SIGNATURE OF DRILLER									
DRILLING ASSEMBLY									
BITS									
No.	Component	OD (mm)	ID (mm)	Length (m)					
1	BIT	200	0	0.20					
1	BIT SUB	158	1	0.71					
1	TELEDRIFT	158	1	2.62					
5	DC (6.25 IN)	158	1	45.01					
1	PONY DC	158	1	4.60					
1	JARS-HYD	158	1	5.26					
9	DC (6.25 IN)	158	1	8.25					
1	DC (6.25 IN)	158	1	8.25					
6	HWDP(4.0 IN)	135	1	55.44					
MUD RECORD									
Bit Number	2	Size (mm)	200	WATER	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Other	<input type="checkbox"/>
WDC Code	M	2	2	2					
Manufacturer	REED								
Type	DSX16M-A3PDC								
Serial No.	114176								
Jets (mm)	12.0, 12.0, 12.0, 12.0								
Depth Out (m)	378								
Total Drilled (m)	218								
Hrs Run Today	7.00								
Cumulative Hrs Run	12.75								
Entry Date	2010/02/09								
DULL GRADE									
T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)	T.	Gage (mm)
20	Drill Pipe	Stands (m)	382.01	0	0.00	0	0.00	0	0.00
1	Drill Pipe	Singles (m)	9.60	0	0.00	0	0.00	0	0.00
Weight of DC (kN/m)	Kelly Down (m)	8.78							
Weight of string (kN/m)	Total (m)	587.00							
SOLIDS CONTROL									
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)					
CONNECTIONS		30	4559						
SAFETY									
Safety Topic: MEHL (kdaN) MACP (kpa)									
SIGNATURE OF DRILLER									
ROMEO DASTOUS									
METRES DRILLED									
From (m)	To (m)	D-R-C	RPM	WOB (kdaN)					
0	475	597	DRILL	90					
HOLE CONDITION									
Hole Drag Up (kdaN)									
Hole Drag Down (kdaN)									
Torque at Bottom (Nm)									
Fill on Bottom (m)									
REDUCED PUMP SPEED									
No.	Pressure (kpa)	Strokes/min	Depth (m)						
1	2088	0	65						
2	2088	513	513						
CIRCULATION									
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run					
1	SINGLE	152	82	3100					
2	SINGLE	152	0	3100					
DEVIATION SURVEYS									
Time	Depth (m)	Deviation	Direction	Type					
16:00	17:00	0.5	0	TELEDRIFT					
21:15	549.00	0.5	0	TELEDRIFT					
Remarks: FUNCTION CROWN SAVER, BRAKE PINS LINKAGE, ROLLER TONGS, PINS, BACK UP LINE, MAKE UP AND BREAK OUT LINE, TUGGER BOOM LINE SAFETY HOOK, ESCAPE LINE GERONIMO, VISUALLY CHECK DEGASSER AND FLARE LINE, BOP EQUIPMENT STABBBING VALVE, CHECK REMOTE OP PRESS TO MANIFOLD, BLOW BOILER 4X 150 LITER, RESET AUTO DIGGER QUICK RELEASE WITHIN 3".									
TIME LOG									
From	To	Elapsed	Code	Details of Operations in Sequence & Remarks					
16:00	16:15	0.25	10	SURVEY @ 475M 0.5 DEG					
16:15	18:00	1.75	2	DRILL 200mm HOLE F 4/75M TO 503 M					
18:00	18:15	0.25	21	HAND OVER SAFETY MEETING					
18:15	18:45	0.50	2	DRILL FROM 503M TO 513 M					
18:45	19:00	0.25	7	RIG SERVICE FUNCTION PIPE RAMS, 4 SEC TO CLOSE					
19:00	21:00	2.00	2	DRILL FROM 513M TO 561 M					
21:00	21:15	0.25	10	DEVIATION SURVEY					
21:15	24:00	2.75	2	DRILL FROM 561 M TO 597 M					
GENERAL EQUIPMENT & SERVICES									
Description Hours									
MUD PUMP	24.00								
DIVERTER	24.00								
LOADER	24.00								
SHALE SHAKERS									
No.	Top Screen	Middle Screen	Bottom Screen	Size	Changed	New	Size	Changed	New
1	200	200	200	200			200		

FRONT PAGE SUMMARY		Drill Sheet Serial Number	Vernier Software Version	Year	Month	Day	
		DSX2245	20100210_1A	Pason	2010	02	10
Rig No.	Well Name	Surface Location	Prov	Loc Type	Well ID	Kelly Bushing	
245	Para el Cameron F-77	60-25-2936W17-2B	NT	CND	300F116010117150	04.70W	
License No.		Operator	Contractor	DWl Type	Re-Entry		
1221		PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT			
Operator's AFE		Contractor's Job No	Squad Date	Time			
00NO10009		354	2010/02/06	01:00			
Signature of Operator Representative		Signature of Contractor's Rig Manager	Rig Release Date	Time			
JADE YARDLEY		ERICK BIGRAS					
TOUR 1							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	724					
	Hrs Run Today	7.00					
	Cumulative Hrs Run	19.75					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
DRIVE TO AIRPORT FOR DAY OFF.							
33 4448							
SIGNATURE OF DRILLER							
JOE LEADLEY							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	838					
	Hrs Run Today	6.75					
	Cumulative Hrs Run	25.50					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
STEAM							
33 4448							
SIGNATURE OF DRILLER							
PETER IWANZICKI							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							
SIGNATURE OF DRILLER							
DANIEL DIAZ							
DRILLING ASSEMBLY							
BITS							
No.	Component	OD (mm)	ID (mm)	Length (m)			
	Bit Number	2					
	Size (mm)	200					
	WDC Code	M 2 2 2					
	Manufacturer	REED					
	Type	DSX16M-A3PDC					
	Serial No.	114176					
	Jets (mm)	12.0 12.0 12.0 12.0					
	Depth Out (m)	12.0 12.0 12.0					
	Depth In (m)	379					
	Total Drilled (m)	944					
	Hrs Run Today	6.50					
	Cumulative Hrs Run	32.00					
	Entry Date	2010/02/10					
DULL GRADE							
	T ₁	Gage (mm)					
	T ₂	ODC					
	MDC	Reason Pulled					
	LOC	Total Run (m/hr)					
	BRG	Total (m)	0.00				
SAFETY							
Safety Topic: MEHL (kdaM) MACP (kpa)							
OVERHEAD EQUIPMENT							
44 2956							

FRONT PAGE SUMMARY			Job Sheet Serial Number	Vendor Software Version	Year	Months	Day	DAILY CHECKS			OP RM	FUEL @ 08:00 HOURS			DRILL PIPE			MUD PUMPS			GENERAL EQUIPMENT & SERVICES																	
			075245_20100210_1A	Pason	2010	02	10	(1) Daily Work Around Inspection			Hg																											
Rig No.	Well Name	Surface Location	Prov	Loc Type	Unique Well Id			(2) Unlined Inspection - Wrench Using Check List			Boiler																											
245	PARA el Cameron F-77	60° 06' 29.30N / 117° 29' 00W	NT	AT-GNG	300FT116010117150			(3) H2S Sensors Posted & Identified			Op Fuel																											
								(4) Well Licence & Stick Diagram Posted																														
								(5) Flare Lines Staked																														
								(6) BOP Drills Performed																														
								(7) Visually Inspected BOPs - Flare Lines & Degaasser Lines																														
1221	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	Contractor	Well Type	Re-Entry																																	
					VERT																																	
	Operator's AFE	Contractor's Job No		Squad Date	Time																																	
	D9N010009			2010/2/06	01:00																																	
	Signature of Operator Representative	Signature of Contractor's Rig Manager		Rig Release Date	Time																																	
	HALE YARDLEY	ERICK BIGRAS																																				
TOUR 1			SIGNATURE OF DRILLER												ROMEO DASTOUS																							
DRILLING ASSEMBLY			BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						TIME LOG					
No.	Component	OD (mm)	ID (mm)	Length (m)	Bit Number	Size (mm)	Wt (kg)	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	From (m)	To (m)	Hole Drag Up (kN)	Hole Drag Down (kN)	Torque at Bottom (Nm)	Fill on Bottom (m)	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks									
1	BIT	200	0	0.20																																		
1	BIT SUB	158	1	0.71																																		
1	TELEDRIFT	158	1	2.62																																		
5	DC (6.25 IN)	158	1	45.01																																		
1	PONY DC	158	1	4.60																																		
1	JARS-HYD	158	1	5.26																																		
9	DC (6.25 IN)	158	1	82.50																																		
1	X/O	158	1	0.27																																		
6	IHWDP(4.0 IN)	135	1	55.44																																		
27	Drill Pipe	Stands (m)	516.12		T ₁	Gage (mm)																																
0	Drill Pipe	Singles (m)	0.00		T ₂	ODC																																
	Weight of DC (kN)	12	Kelly Down (m)	11.27	MDC	Reason Pulled																																
	Weight of string (kN)	30	Total (m)	724.00	LOC	Total Run (m/hr)																																
	BRG																																					
DULL GRADE																																						
27	Drill Pipe	Stands (m)	630.72		T ₁	Gage (mm)																																
0	Drill Pipe	Singles (m)	0.00		T ₂	ODC																																
	Weight of DC (kN)	14	Kelly Down (m)	3.67	MDC	Reason Pulled																																
	LOC	Total (m)	831.09	LOC	Total Run (m/hr)																																	
	BRG																																					
DULL GRADE																																						
33	Drill Pipe	Stands (m)	726.38		T ₁	Gage (mm)																																
1	Drill Pipe	Singles (m)	9.61		T ₂	ODC																																
	Weight of DC (kN)	14	Kelly Down (m)	11.40	MDC	Reason Pulled																																
	LOC	Total (m)	944.00	LOC	Total Run (m/hr)																																	
	BRG																																					
TOUR 2			SIGNATURE OF DRILLER												JOE LEADLEY																							
DRILLING ASSEMBLY			BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						TIME LOG					
No.	Component	OD (mm)	ID (mm)	Length (m)	Bit Number	Size (mm)	Wt (kg)	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	From (m)	To (m)	Hole Drag Up (kN)	Hole Drag Down (kN)	Torque at Bottom (Nm)	Fill on Bottom (m)	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks									
1	BIT	200	0	0.20																																		
1	BIT SUB	158	1	0.71																																		
1	TELEDRIFT	158	1	2.62																																		
6	DC (6.25 IN)	158	1	49.61																																		
1	JARS-HYD	158	1	5.26																																		
9	DC (6.25 IN)	158	1	82.50																																		
1	X/O	158	1	0.27																																		
6	IHWDP(4.0 IN)	135	1	55.44																																		
27	Drill Pipe	Stands (m)	630.72		T ₁	Gage (mm)																																
0	Drill Pipe	Singles (m)	0.00		T ₂	ODC																																
	Weight of DC (kN)	14	Kelly Down (m)	3.67	MDC	Reason Pulled																																
	LOC	Total (m)	831.09	LOC	Total Run (m/hr)																																	
	BRG																																					
DULL GRADE																																						
33	Drill Pipe	Stands (m)	726.38		T ₁	Gage (mm)																																
1	Drill Pipe	Singles (m)	9.61		T ₂	ODC																																
	Weight of DC (kN)	14	Kelly Down (m)	11.40	MDC	Reason Pulled																																
	LOC	Total (m)	944.00	LOC	Total Run (m/hr)																																	
	BRG																																					
TOUR 3			SIGNATURE OF DRILLER												PETER IWANCYK																							
DRILLING ASSEMBLY			BITS						MUD RECORD						MUD MATERIALS ADDED						METRES DRILLED						HOLE CONDITION						TIME LOG					
No.	Component	OD (mm)	ID (mm)	Length (m)	Bit Number	Size (mm)	Wt (kg)	Water	Oil	Other	Product	Amount	Type	From (m)	To (m)	D-R-C	RPM	WOB (kN)	From (m)	To (m)	Hole Drag Up (kN)	Hole Drag Down (kN)	Torque at Bottom (Nm)	Fill on Bottom (m)	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks									
1	BIT	200	0	0.20																																		
1	BIT SUB	158	64	0.71																																		
1	TELEDRIFT	158	65	2.62																																		
6	DC (6.25 IN)	158	65	49.61																																		
1	JARS-HYD	158	65	5.26																																		
9	DC (6.25 IN)	158	65	82.50																																		
1	X/O	158	65	0.27																																		
6	IHWDP(4.0 IN)	135	65	55.44																																		
33	Drill Pipe	Stands (m)	726.38		T ₁	Gage (mm)																																
1	Drill Pipe	Singles (m)	9.61		T ₂	ODC																																
	Weight of DC (kN)	14	Kelly Down (m)	11.40	MDC	Reason Pulled																																
	LOC	Total (m)	944.00	LOC	Total Run (m/hr)																																	
	BRG																																					
DULL GRADE																																						

FRONT PAGE SUMMARY Tour Sheet Serial Number: DVS2245_20100211_18Pason Year: 2010 Month: 02 Day: 11 Rig No.: Well Name: Surface Location: Prev Loc Type: Unique Well ID: Kelly Bushing 245 Para et al Cameron F-77 60-36-15,36W/17-25 NT 200 300#116010117150 4 License No.: Operator: Contractor: Well Type: Re-Entry: 1221 PARAMOUNT RESOURCES LTD PRECISION DRILLING, DIV OF PDC VERT. <input type="checkbox"/> Operators A/C: Contractors A/C No: Spud Date: Time: 09N010009 354 2010/02/06 01:00 Signature of Operator Representative: Signature of Contractor's Rig Manager: Rig Release Date: Time: KALE YARDLEY ERICK BIGRAS												GENERAL EQUIPMENT & SERVICES  Pason V1.0																							
DAILY CHECKS 1. Well York Around Installation: HY EB 2. Well York Around Installation: HY EB 3. Well Signs Posted & Certified: HY EB 4. Well Licenses & Stick Diagram Posted: HY EB 5. Flare Lines Staked: HY EB 6. BOP Drills Performed: HY EB 7. Visual Inspection BOPs - Flare Lines & Debris Lines: HY EB 8. 11 PMS Site Health & Safety Monthly (new/checked/month): EB 9. CADC BOP Safety Inspection Checklist (new/checked/month): EB 10. Mud Restoration Before Raising & Lowering: EB 11. Crown Saver Checked: EB 12. Motor Jabs Checked: EB												OP RM H1 Boller Op Fuel WEATHER Time: 06:00 Temp: 125 Current Condition: CLEAR Wind Direction: NE Wind Strength: UP TO 19 KM/H Road Condition: FAIR																							
FUEL @ 08:00 HOURS Fuel: 1066 DRILL PIPE Category: Thread Type: Grade: OD (mm): ID (mm): Linear Mass (kg/m): No. of Joints: Total Joint OD (mm): DP 4" FH SS95 102 65 29.3000 185 DC 4.5" XH DC 156 58 134.0000 18 FW 4" FH FWDP 102 65 41.6400 6												MUD PUMPS No.: Model: Stroke Length (mm): 1 BPMM 229 2 BPMM 229 SHALE SHAKERS No.: Top Screen: Middle Screen: Bottom Screen: 1 200 84 84 Size: Changed: New: Size: Changed: New: Size: Changed: New: 1 1 1 1 1 1 1 1																							
TOUR 1 SIGNATURE OF DRILLER DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: ELOC: Time: 02:00 04:00 Density (kg/m³): 1040 1040 Fluid Viscosity (cP): 30 30 Fluid Loss (cm³): pH: 6 9 Location: SHAKER SHAKER Depth (m): 870 1000 PVT (m³): 49 46												JOE LEADLEY MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 944 1066 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 5 Hole Drag Down (kN/m): 2 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2650 8 1011 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												START TIME 00:00 END TIME 08:00											
CASING Category: Mark: Grade: OD (mm): ID (mm): Linear Mass (kg/m): No. of Joints: Total Length (m): KB to CSD Head (m): KB to CSD Bottom (m): SURFACE LKSIDE J-55 210 206 35.72 28 378 4 378 PRODUCTION PARAGON J-55 140 127 20.83 118 1469 4 1468												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 00:00 00:15 0:25:7 RING SERVICE/FUNC. HYDRAULIC F/ 944m TO 1011m 00:15 04:30 4:25:2 DRILL 200mm HOLE F/ 1011m TO 1030m 04:30 04:45 0:25:1 SURVEY @ 1010m 1.0DEG 04:45 08:00 1:25:2 DRILL 200mm HOLE F/ 1011m TO 1030m 06:00 06:15 0:25:1 HANDOVER SAFETY MEETING 06:15 08:00 1:75:2 DRILL FROM 1030M TO 1066M																							
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1040 1020 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): SAFETY STAND DOWN: 50 4448												CIRCULATION Pump Type: Jitter Size (mm): SPM Pressure (kpa): Hours Run: 1 SINGLE 152 92 4370 8.00 2 SINGLE 152 0 4370 0.00 Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 0.00 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 08:00 10:00 12:00 Density (kg/m³): 1040 1055 1055 Fluid Viscosity (cP): 30 31 31 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1066 1182 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2650 70 1045 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												START TIME 08:00 END TIME 16:00											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												CIRCULATION Pump Type: Jitter Size (mm): SPM Pressure (kpa): Hours Run: 1 SINGLE 152 90 4782 8.00 2 SINGLE 152 0 4782 0.00 Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 0.00 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 08:00 09:00 1:00:2 DRILL FROM 1066M TO 1077M 09:00 09:15 0:25:7 BIG SERVICE FUNCTION HCR OPENED IN 1 SECOND 09:15 10:00 0:75:2 DRILL FROM 1077M TO 1087M 10:00 10:15 0:25:1 DEVIATION SURVEY 10:15 10:30 2:75:2 DRILL FROM 1087M TO 1134M 13:00 13:15 0:25:1 DEVIATION SURVEY 13:15 16:00 2:75:2 DRILL FROM 1134M TO 1182M											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 10:00 1087.00 1.0 0 TELEDRIFT 13:00 1133.00 0.5 0 TELEDRIFT Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 0.00 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 18:15 0:25:1 HANDOVER SAFETY MEETING 18:15 19:00 0:75:2 DRILL 200mm HOLE F/ 1201m TO 1221m 19:00 19:30 0:50:5 2:00/11:00/11:00 CIRCULATE 19:45 20:25 0:25:25 PUMP UP, THEN BLOW KELLY 19:45 22:15 2:50:45 CLEAN OUT TRIP TO FWDP/STRAP OUT FLOW CHECKS @ 1208 1114 824 22:15 22:30 0:25:7 RING SERVICE FUNCTION PIPE RAMS 3 SEC TO CLOSE 22:30 24:00 1:50:6A TRIP IN HOLE (FLOW CHECK @ 624m)											
SOLIDS CONTROL Equipment Name: Hours Run: Intake Density (kg/m³): Over Flow Density (kg/m³): Under Flow Density (kg/m³): CENTRIFUGE 8.00 1050 1025 1800 SAFETY Safety Topic: MCHL (kPa): MACP (kPa): WORKING AROUND ROTARY: 44 2956												DEVIATION SURVEYS Time: Depth (m): Deviation: Direction: Type: 17:00 1179.00 0.3 0 WIRELINE Remarks:																							
DULL GRADE Bit Number: 1 Gage (mm): 0.00 IADC Code: ODC Reason Pulled: MDC Total Run (m): 17.27 Weight at string (kN/m): 0.00 Total (m): 0.00												PIETER IWANICZYK DRILLING ASSEMBLY No. Component: ID (mm): OD (mm): Length (m): BITS Bit Number: 2 Size (mm): 200 IADC Code: M 2 2 2 MUD RECORD Mud Type: Water: Oil: Other: Time: 17:00 18:00 Density (kg/m³): 1040 1040 MUD MATERIALS ADDED Product: Amount: Type: METRES DRILLED From (m): To (m): D-R-C: RPM: WOB (kN): 1182 1221 DRILL 100 4 HOLE CONDITION Hole Drag Up (kN/m): 1 Hole Drag Down (kN/m): 3 REDUCED PUMP SPEED No.: Pressure (kpa): Stroke/min: Depth (m): 1 2615 70 1221 BOILER No.: Hours Run: pH: Stack Temp (°C): 1 8.00 10.5 300.00												TIME LOG From: To: Elapsed: Code: Details of Operations in Sequence & Remarks: 16:00 16:45 0:75:2 DRILL FROM 1182M TO 1192M 16:45 17:15 0:50:10 DEVIATION SURVEY (WIRELINE SURVEY) 17:15 18:00 0:75:2 DRILL FROM 1192M TO 1201M 18:00 1											

FRONT PAGE SUMMARY <table border="1"> <tr> <td>True Sheet Serial Number</td> <td>Vendor Software Version</td> <td>Year</td> <td>Month</td> <td>Day</td> </tr> <tr> <td>0752245</td> <td>20100211</td> <td>1B</td> <td>Pason</td> <td>2010 02 11</td> </tr> </table>												True Sheet Serial Number	Vendor Software Version	Year	Month	Day	0752245	20100211	1B	Pason	2010 02 11																																																																																																											
True Sheet Serial Number	Vendor Software Version	Year	Month	Day																																																																																																																												
0752245	20100211	1B	Pason	2010 02 11																																																																																																																												
Rig No. / Well Name		Surface Location		Pov	Loc Type	Unique Well Id	Kelly Bushing																																																																																																																									
245 Pason et al Cameron F-77		40-2-36-011725-04 SW		NT	CMA	300P11601017150	4																																																																																																																									
License No. / Operator		Contractor		Well Type		Re-Entry																																																																																																																										
1221 PARAMOUNT RESOURCES LTD		PRECISION DRILLING, DIV OF PDC		VERT		<input type="checkbox"/>																																																																																																																										
Operator's AFE		Contractor's Job No		Spud Date		Time																																																																																																																										
09N010009		354		2010/02/06		01:00																																																																																																																										
Signature of Operator Representative		Signature of Contractor's Rig manager		Rig Release Date		Time																																																																																																																										
HALE YARDLEY		ERICK BIGRAS																																																																																																																														
TOUR 1																																																																																																																																
DRILLING ASSEMBLY																																																																																																																																
BITS <table border="1"> <tr> <td>No.</td> <td>Component</td> <td>OD (mm)</td> <td>ID (mm)</td> <td>Length (m)</td> </tr> <tr> <td>1</td> <td>BIT</td> <td>200</td> <td>0</td> <td>0.20</td> </tr> <tr> <td>1</td> <td>BIT SUB</td> <td>158</td> <td>64</td> <td>0.71</td> </tr> <tr> <td>1</td> <td>TELEDRIFT</td> <td>158</td> <td>65</td> <td>2.62</td> </tr> <tr> <td>6</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>45.01</td> </tr> <tr> <td>1</td> <td>PONY DC</td> <td>158</td> <td>65</td> <td>4.60</td> </tr> <tr> <td>1</td> <td>JARS-HYD</td> <td>158</td> <td>65</td> <td>5.26</td> </tr> <tr> <td>9</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>82.50</td> </tr> <tr> <td>1</td> <td>X/O</td> <td>158</td> <td>65</td> <td>0.27</td> </tr> <tr> <td>6</td> <td>HWDP(4.0 IN)</td> <td>135</td> <td>65</td> <td>55.44</td> </tr> </table>		No.	Component	OD (mm)	ID (mm)	Length (m)	1	BIT	200	0	0.20	1	BIT SUB	158	64	0.71	1	TELEDRIFT	158	65	2.62	6	DC (6.25 IN)	158	65	45.01	1	PONY DC	158	65	4.60	1	JARS-HYD	158	65	5.26	9	DC (6.25 IN)	158	65	82.50	1	X/O	158	65	0.27	6	HWDP(4.0 IN)	135	65	55.44	SIGNATURE OF DRILLER <table border="1"> <tr> <td colspan="2">JOE LEADLEY</td> </tr> </table>		JOE LEADLEY		MUD RECORD <table border="1"> <tr> <td>Bit Number</td> <td>Size (mm)</td> <td>Time</td> <td>Water</td> <td>Oil</td> <td>Other</td> </tr> <tr> <td></td> <td></td> <td>15:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">MDC Code</td> </tr> <tr> <td colspan="6">Manufacturer</td> </tr> <tr> <td colspan="6">Type</td> </tr> <tr> <td colspan="6">Serial No.</td> </tr> <tr> <td colspan="6">Jets (mm)</td> </tr> <tr> <td colspan="6">PVT (m³)</td> </tr> </table>		Bit Number	Size (mm)	Time	Water	Oil	Other			15:00				MDC Code						Manufacturer						Type						Serial No.						Jets (mm)						PVT (m³)						MUD MATERIALS ADDED <table border="1"> <tr> <td>Product</td> <td>Amount</td> <td>Type</td> </tr> </table>		Product	Amount	Type	METRES DRILLED <table border="1"> <tr> <td>From (m)</td> <td>To (m)</td> <td>D-R-C</td> <td>RPM</td> <td>WOB (kN/m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		From (m)	To (m)	D-R-C	RPM	WOB (kN/m)						HOLE CONDITION <table border="1"> <tr> <td>Hole Drag Up (kN/m)</td> </tr> <tr> <td>Hole Drag Down (kN/m)</td> </tr> <tr> <td>Torque at Bottom (Nm)</td> </tr> <tr> <td>Fill on Bottom (m)</td> </tr> </table>		Hole Drag Up (kN/m)	Hole Drag Down (kN/m)	Torque at Bottom (Nm)	Fill on Bottom (m)
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																																																																												
1	BIT	200	0	0.20																																																																																																																												
1	BIT SUB	158	64	0.71																																																																																																																												
1	TELEDRIFT	158	65	2.62																																																																																																																												
6	DC (6.25 IN)	158	65	45.01																																																																																																																												
1	PONY DC	158	65	4.60																																																																																																																												
1	JARS-HYD	158	65	5.26																																																																																																																												
9	DC (6.25 IN)	158	65	82.50																																																																																																																												
1	X/O	158	65	0.27																																																																																																																												
6	HWDP(4.0 IN)	135	65	55.44																																																																																																																												
JOE LEADLEY																																																																																																																																
Bit Number	Size (mm)	Time	Water	Oil	Other																																																																																																																											
		15:00																																																																																																																														
MDC Code																																																																																																																																
Manufacturer																																																																																																																																
Type																																																																																																																																
Serial No.																																																																																																																																
Jets (mm)																																																																																																																																
PVT (m³)																																																																																																																																
Product	Amount	Type																																																																																																																														
From (m)	To (m)	D-R-C	RPM	WOB (kN/m)																																																																																																																												
Hole Drag Up (kN/m)																																																																																																																																
Hole Drag Down (kN/m)																																																																																																																																
Torque at Bottom (Nm)																																																																																																																																
Fill on Bottom (m)																																																																																																																																
SOLIDS CONTROL <table border="1"> <tr> <td>Equipment Name</td> <td>Hours Run</td> <td>Intake Density (kg/m³)</td> <td>Over Flow Density (kg/m³)</td> <td>Under Flow Density (kg/m³)</td> </tr> </table>		Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)	REDUCED PUMP SPEED <table border="1"> <tr> <td>No.</td> <td>Pressure (kpa)</td> <td>Strokes/min</td> <td>Depth (m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Pressure (kpa)	Strokes/min	Depth (m)													BOILER <table border="1"> <tr> <td>No.</td> <td>Hours Run</td> <td>pH</td> <td>Stack Temp (°C)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Hours Run	pH	Stack Temp (°C)													SHALE SHAKERS <table border="1"> <tr> <td>No.</td> <td>Top Screen Size (mm)</td> <td>Middle Screen Size (mm)</td> <td>Bottom Screen Size (mm)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)																																																																																																																												
No.	Pressure (kpa)	Strokes/min	Depth (m)																																																																																																																													
No.	Hours Run	pH	Stack Temp (°C)																																																																																																																													
No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																																																													
SAFETY <table border="1"> <tr> <td>Safety Topic</td> <td>MEHL (kdaN)</td> <td>MACP (kpa)</td> </tr> </table>		Safety Topic	MEHL (kdaN)	MACP (kpa)	CIRCULATION <table border="1"> <tr> <td>Pump Type</td> <td>Line Size (mm)</td> <td>SPM</td> <td>Pressure (kpa)</td> <td>Hours Run</td> </tr> </table>		Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run	DEVIATION SURVEYS <table border="1"> <tr> <td>Time</td> <td>Depth (m)</td> <td>Deviation</td> <td>Direction</td> <td>Type</td> </tr> </table>		Time	Depth (m)	Deviation	Direction	Type	TIME LOG <table border="1"> <tr> <td>From</td> <td>To</td> <td>Elapsed</td> <td>Code</td> </tr> </table>		From	To	Elapsed	Code																																																																																																								
Safety Topic	MEHL (kdaN)	MACP (kpa)																																																																																																																														
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run																																																																																																																												
Time	Depth (m)	Deviation	Direction	Type																																																																																																																												
From	To	Elapsed	Code																																																																																																																													
TOUR 2																																																																																																																																
DRILLING ASSEMBLY																																																																																																																																
BITS <table border="1"> <tr> <td>No.</td> <td>Component</td> <td>OD (mm)</td> <td>ID (mm)</td> <td>Length (m)</td> </tr> <tr> <td>1</td> <td>BIT</td> <td>200</td> <td>0</td> <td>0.20</td> </tr> <tr> <td>1</td> <td>BIT SUB</td> <td>158</td> <td>64</td> <td>0.71</td> </tr> <tr> <td>1</td> <td>TELEDRIFT</td> <td>158</td> <td>65</td> <td>2.62</td> </tr> <tr> <td>6</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>49.81</td> </tr> <tr> <td>1</td> <td>PONY DC</td> <td>158</td> <td>65</td> <td>5.26</td> </tr> <tr> <td>9</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>82.50</td> </tr> <tr> <td>1</td> <td>X/O</td> <td>158</td> <td>65</td> <td>0.27</td> </tr> <tr> <td>6</td> <td>HWDP(4.0 IN)</td> <td>135</td> <td>65</td> <td>55.44</td> </tr> </table>		No.	Component	OD (mm)	ID (mm)	Length (m)	1	BIT	200	0	0.20	1	BIT SUB	158	64	0.71	1	TELEDRIFT	158	65	2.62	6	DC (6.25 IN)	158	65	49.81	1	PONY DC	158	65	5.26	9	DC (6.25 IN)	158	65	82.50	1	X/O	158	65	0.27	6	HWDP(4.0 IN)	135	65	55.44	SIGNATURE OF DRILLER <table border="1"> <tr> <td colspan="2">PETER IWANCYK</td> </tr> </table>		PETER IWANCYK		MUD RECORD <table border="1"> <tr> <td>Bit Number</td> <td>Size (mm)</td> <td>Time</td> <td>Water</td> <td>Oil</td> <td>Other</td> </tr> <tr> <td></td> <td></td> <td>15:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">MDC Code</td> </tr> <tr> <td colspan="6">Manufacturer</td> </tr> <tr> <td colspan="6">Type</td> </tr> <tr> <td colspan="6">Serial No.</td> </tr> <tr> <td colspan="6">Jets (mm)</td> </tr> <tr> <td colspan="6">PVT (m³)</td> </tr> </table>		Bit Number	Size (mm)	Time	Water	Oil	Other			15:00				MDC Code						Manufacturer						Type						Serial No.						Jets (mm)						PVT (m³)						MUD MATERIALS ADDED <table border="1"> <tr> <td>Product</td> <td>Amount</td> <td>Type</td> </tr> </table>		Product	Amount	Type	METRES DRILLED <table border="1"> <tr> <td>From (m)</td> <td>To (m)</td> <td>D-R-C</td> <td>RPM</td> <td>WOB (kN/m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		From (m)	To (m)	D-R-C	RPM	WOB (kN/m)						HOLE CONDITION <table border="1"> <tr> <td>Hole Drag Up (kN/m)</td> </tr> <tr> <td>Hole Drag Down (kN/m)</td> </tr> <tr> <td>Torque at Bottom (Nm)</td> </tr> <tr> <td>Fill on Bottom (m)</td> </tr> </table>		Hole Drag Up (kN/m)	Hole Drag Down (kN/m)	Torque at Bottom (Nm)	Fill on Bottom (m)					
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																																																																												
1	BIT	200	0	0.20																																																																																																																												
1	BIT SUB	158	64	0.71																																																																																																																												
1	TELEDRIFT	158	65	2.62																																																																																																																												
6	DC (6.25 IN)	158	65	49.81																																																																																																																												
1	PONY DC	158	65	5.26																																																																																																																												
9	DC (6.25 IN)	158	65	82.50																																																																																																																												
1	X/O	158	65	0.27																																																																																																																												
6	HWDP(4.0 IN)	135	65	55.44																																																																																																																												
PETER IWANCYK																																																																																																																																
Bit Number	Size (mm)	Time	Water	Oil	Other																																																																																																																											
		15:00																																																																																																																														
MDC Code																																																																																																																																
Manufacturer																																																																																																																																
Type																																																																																																																																
Serial No.																																																																																																																																
Jets (mm)																																																																																																																																
PVT (m³)																																																																																																																																
Product	Amount	Type																																																																																																																														
From (m)	To (m)	D-R-C	RPM	WOB (kN/m)																																																																																																																												
Hole Drag Up (kN/m)																																																																																																																																
Hole Drag Down (kN/m)																																																																																																																																
Torque at Bottom (Nm)																																																																																																																																
Fill on Bottom (m)																																																																																																																																
SOLIDS CONTROL <table border="1"> <tr> <td>Equipment Name</td> <td>Hours Run</td> <td>Intake Density (kg/m³)</td> <td>Over Flow Density (kg/m³)</td> <td>Under Flow Density (kg/m³)</td> </tr> </table>		Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)	REDUCED PUMP SPEED <table border="1"> <tr> <td>No.</td> <td>Pressure (kpa)</td> <td>Strokes/min</td> <td>Depth (m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Pressure (kpa)	Strokes/min	Depth (m)													BOILER <table border="1"> <tr> <td>No.</td> <td>Hours Run</td> <td>pH</td> <td>Stack Temp (°C)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Hours Run	pH	Stack Temp (°C)													SHALE SHAKERS <table border="1"> <tr> <td>No.</td> <td>Top Screen Size (mm)</td> <td>Middle Screen Size (mm)</td> <td>Bottom Screen Size (mm)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)																																																																																																																												
No.	Pressure (kpa)	Strokes/min	Depth (m)																																																																																																																													
No.	Hours Run	pH	Stack Temp (°C)																																																																																																																													
No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																																																													
SAFETY <table border="1"> <tr> <td>Safety Topic</td> <td>MEHL (kdaN)</td> <td>MACP (kpa)</td> </tr> </table>		Safety Topic	MEHL (kdaN)	MACP (kpa)	CIRCULATION <table border="1"> <tr> <td>Pump Type</td> <td>Line Size (mm)</td> <td>SPM</td> <td>Pressure (kpa)</td> <td>Hours Run</td> </tr> </table>		Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run	DEVIATION SURVEYS <table border="1"> <tr> <td>Time</td> <td>Depth (m)</td> <td>Deviation</td> <td>Direction</td> <td>Type</td> </tr> </table>		Time	Depth (m)	Deviation	Direction	Type	TIME LOG <table border="1"> <tr> <td>From</td> <td>To</td> <td>Elapsed</td> <td>Code</td> </tr> </table>		From	To	Elapsed	Code																																																																																																								
Safety Topic	MEHL (kdaN)	MACP (kpa)																																																																																																																														
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run																																																																																																																												
Time	Depth (m)	Deviation	Direction	Type																																																																																																																												
From	To	Elapsed	Code																																																																																																																													
TOUR 3																																																																																																																																
DRILLING ASSEMBLY																																																																																																																																
BITS <table border="1"> <tr> <td>No.</td> <td>Component</td> <td>OD (mm)</td> <td>ID (mm)</td> <td>Length (m)</td> </tr> <tr> <td>1</td> <td>BIT</td> <td>200</td> <td>0</td> <td>0.20</td> </tr> <tr> <td>1</td> <td>BIT SUB</td> <td>158</td> <td>64</td> <td>0.71</td> </tr> <tr> <td>1</td> <td>TELEDRIFT</td> <td>158</td> <td>65</td> <td>2.62</td> </tr> <tr> <td>6</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>45.01</td> </tr> <tr> <td>1</td> <td>PONY DC</td> <td>158</td> <td>65</td> <td>4.60</td> </tr> <tr> <td>9</td> <td>DC (6.25 IN)</td> <td>158</td> <td>65</td> <td>82.50</td> </tr> <tr> <td>1</td> <td>X/O</td> <td>158</td> <td>65</td> <td>0.27</td> </tr> <tr> <td>6</td> <td>HWDP(4.0 IN)</td> <td>135</td> <td>65</td> <td>55.44</td> </tr> </table>		No.	Component	OD (mm)	ID (mm)	Length (m)	1	BIT	200	0	0.20	1	BIT SUB	158	64	0.71	1	TELEDRIFT	158	65	2.62	6	DC (6.25 IN)	158	65	45.01	1	PONY DC	158	65	4.60	9	DC (6.25 IN)	158	65	82.50	1	X/O	158	65	0.27	6	HWDP(4.0 IN)	135	65	55.44	SIGNATURE OF DRILLER <table border="1"> <tr> <td colspan="2">JOE LEADLEY</td> </tr> </table>		JOE LEADLEY		MUD RECORD <table border="1"> <tr> <td>Bit Number</td> <td>Size (mm)</td> <td>Time</td> <td>Water</td> <td>Oil</td> <td>Other</td> </tr> <tr> <td></td> <td></td> <td>15:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">MDC Code</td> </tr> <tr> <td colspan="6">Manufacturer</td> </tr> <tr> <td colspan="6">Type</td> </tr> <tr> <td colspan="6">Serial No.</td> </tr> <tr> <td colspan="6">Jets (mm)</td> </tr> <tr> <td colspan="6">PVT (m³)</td> </tr> </table>		Bit Number	Size (mm)	Time	Water	Oil	Other			15:00				MDC Code						Manufacturer						Type						Serial No.						Jets (mm)						PVT (m³)						MUD MATERIALS ADDED <table border="1"> <tr> <td>Product</td> <td>Amount</td> <td>Type</td> </tr> </table>		Product	Amount	Type	METRES DRILLED <table border="1"> <tr> <td>From (m)</td> <td>To (m)</td> <td>D-R-C</td> <td>RPM</td> <td>WOB (kN/m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		From (m)	To (m)	D-R-C	RPM	WOB (kN/m)						HOLE CONDITION <table border="1"> <tr> <td>Hole Drag Up (kN/m)</td> </tr> <tr> <td>Hole Drag Down (kN/m)</td> </tr> <tr> <td>Torque at Bottom (Nm)</td> </tr> <tr> <td>Fill on Bottom (m)</td> </tr> </table>		Hole Drag Up (kN/m)	Hole Drag Down (kN/m)	Torque at Bottom (Nm)	Fill on Bottom (m)					
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																																																																												
1	BIT	200	0	0.20																																																																																																																												
1	BIT SUB	158	64	0.71																																																																																																																												
1	TELEDRIFT	158	65	2.62																																																																																																																												
6	DC (6.25 IN)	158	65	45.01																																																																																																																												
1	PONY DC	158	65	4.60																																																																																																																												
9	DC (6.25 IN)	158	65	82.50																																																																																																																												
1	X/O	158	65	0.27																																																																																																																												
6	HWDP(4.0 IN)	135	65	55.44																																																																																																																												
JOE LEADLEY																																																																																																																																
Bit Number	Size (mm)	Time	Water	Oil	Other																																																																																																																											
		15:00																																																																																																																														
MDC Code																																																																																																																																
Manufacturer																																																																																																																																
Type																																																																																																																																
Serial No.																																																																																																																																
Jets (mm)																																																																																																																																
PVT (m³)																																																																																																																																
Product	Amount	Type																																																																																																																														
From (m)	To (m)	D-R-C	RPM	WOB (kN/m)																																																																																																																												
Hole Drag Up (kN/m)																																																																																																																																
Hole Drag Down (kN/m)																																																																																																																																
Torque at Bottom (Nm)																																																																																																																																
Fill on Bottom (m)																																																																																																																																
SOLIDS CONTROL <table border="1"> <tr> <td>Equipment Name</td> <td>Hours Run</td> <td>Intake Density (kg/m³)</td> <td>Over Flow Density (kg/m³)</td> <td>Under Flow Density (kg/m³)</td> </tr> </table>		Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)	REDUCED PUMP SPEED <table border="1"> <tr> <td>No.</td> <td>Pressure (kpa)</td> <td>Strokes/min</td> <td>Depth (m)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Pressure (kpa)	Strokes/min	Depth (m)													BOILER <table border="1"> <tr> <td>No.</td> <td>Hours Run</td> <td>pH</td> <td>Stack Temp (°C)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Hours Run	pH	Stack Temp (°C)													SHALE SHAKERS <table border="1"> <tr> <td>No.</td> <td>Top Screen Size (mm)</td> <td>Middle Screen Size (mm)</td> <td>Bottom Screen Size (mm)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																
Equipment Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)																																																																																																																												
No.	Pressure (kpa)	Strokes/min	Depth (m)																																																																																																																													
No.	Hours Run	pH	Stack Temp (°C)																																																																																																																													
No.	Top Screen Size (mm)	Middle Screen Size (mm)	Bottom Screen Size (mm)																																																																																																																													
SAFETY <table border="1"> <tr> <td>Safety Topic</td> <td>MEHL (kdaN)</td> <td>MACP (kpa)</td> </tr> </table>		Safety Topic	MEHL (kdaN)	MACP (kpa)	CIRCULATION <table border="1"> <tr> <td>Pump Type</td> <td>Line Size (mm)</td> <td>SPM</td> <td>Pressure (kpa)</td> <td>Hours Run</td> </tr> </table>		Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run	DEVIATION SURVEYS <table border="1"> <tr> <td>Time</td> <td>Depth (m)</td> <td>Deviation</td> <td>Direction</td> <td>Type</td> </tr> </table>		Time	Depth (m)	Deviation	Direction	Type	TIME LOG <table border="1"> <tr> <td>From</td> <td>To</td> <td>Elapsed</td> <td>Code</td> </tr> </table>		From	To	Elapsed	Code																																																																																																								
Safety Topic	MEHL (kdaN)	MACP (kpa)																																																																																																																														
Pump Type	Line Size (mm)	SPM	Pressure (kpa)	Hours Run																																																																																																																												
Time	Depth (m)	Deviation	Direction	Type																																																																																																																												
From	To	Elapsed	Code																																																																																																																													

FRONT PAGE SUMMARY		Tool Sheet Serial Number	Vendor Software Version	Year	Month	Day
		WY52245-20100212-1A	Pason	2010	02	12
Rig No.	Well Name	Surface Location	Prov / Loc / Type	Unique Well Id	Katy Bushing	
245	Para el Cameron F-7	60.02.25.30W117.28	NT / CNO	300F116010117150	4	
License No.	Operator	Contractor	Well Type	Re-Entry		
1221	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT			
Operator's ATE		Contractor's Job No	Spud Date	Time		
294			2010/02/06	01:00		
Signature of Operator Representative		Signature of Contractor's Rig Manager	Rig Release Date	Time		
ALEY VARDLEY			4	4:00		
ERICK BIGRAS						

DAILY CHECKS		OP RM	FUEL @ 08:00 HOURS		DRILL PIPE		MUD PUMPS		GENERAL EQUIPMENT & SERVICES						
1) Daily Walk Around Inspection		HY / EB	Hg	Bunker	Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Tool Joint OD (mm)	No.	Make	Stroke Length (mm)
2) Drilled Pipe Inspection - Weight Check List		HY / EB	Op Fuel	DP	4" FH	S95	102	65	23.8300	185			1	BPMM	225
3) H2S Sets Posted & Recirculated		HY / EB		DC	4.5" XH	DC	158	58	154.0000	18			2	BPMM	229
4) Well Licence & Stock Diagram Posted		HY / EB		HW	4" FH	HWDP	102	65	41.6400	6				MANIFOLD	24.00
5) Flare Lines Staked		HY / EB												LOADER	24.00
6) BOP Drills Performed															
7) Vessel Inspected BOPs - Flare Lines & Degasser Lines		HY / EB													
8) Vessel Inspected BOPs - Flare Lines & Degasser Lines		HY / EB													
9) Well Health & Safety Meeting (one/cycle/month)															
10) CADC/H2S Safety Inspection Checklist (one/12 months)															
11) Mud Inspection Before Raising or Lowering															
12) Crown Saver Checked															
13) Motor Valve Checked															
14) Well Condition															
15) Mud Condition															
16) Wind Condition															
17) Wind Strength															
18) Well Condition															
19) Well Condition															
20) Well Condition															
21) Well Condition															
22) Well Condition															
23) Well Condition															
24) Well Condition															
25) Well Condition															
26) Well Condition															
27) Well Condition															
28) Well Condition															
29) Well Condition															
30) Well Condition															
31) Well Condition															
32) Well Condition															
33) Well Condition															
34) Well Condition															
35) Well Condition															
36) Well Condition															
37) Well Condition															
38) Well Condition															
39) Well Condition															
40) Well Condition															
41) Well Condition															
42) Well Condition															
43) Well Condition															
44) Well Condition															
45) Well Condition															
46) Well Condition															
47) Well Condition															
48) Well Condition															
49) Well Condition															
50) Well Condition															
51) Well Condition															
52) Well Condition															
53) Well Condition															
54) Well Condition															
55) Well Condition															
56) Well Condition															
57) Well Condition															
58) Well Condition															
59) Well Condition															
60) Well Condition															
61) Well Condition															
62) Well Condition															
63) Well Condition															
64) Well Condition															
65) Well Condition															
66) Well Condition															
67) Well Condition															
68) Well Condition															
69) Well Condition															
70) Well Condition															
71) Well Condition															
72) Well Condition															
73) Well Condition															
74) Well Condition															
75) Well Condition															
76) Well Condition															
77) Well Condition															
78) Well Condition															
79) Well Condition															
80) Well Condition															
81) Well Condition															
82) Well Condition															
83) Well Condition															
84) Well Condition															
85) Well Condition															
86) Well Condition															
87) Well Condition															
88) Well Condition															
89) Well Condition															
90) Well Condition															
91) Well Condition															
92) Well Condition															
93) Well Condition															
94) Well Condition															
95) Well Condition															
96) Well Condition															
97) Well Condition															
98) Well Condition															
99) Well Condition															
100) Well Condition															
101) Well Condition															
102) Well Condition															
103) Well Condition															
104) Well Condition															
105) Well Condition															
106) Well Condition															
107) Well Condition															
108) Well Condition															
109) Well Condition															
110) Well Condition															
111) Well Condition															
112) Well Condition															
113) Well Condition															
114) Well Condition															
115) Well Condition															
116) Well Condition															
117) Well Condition															
118) Well Condition															
119) Well Condition															
120) Well Condition															
121) Well Condition															
122) Well Condition															
123) Well Condition															
124) Well Condition															
125) Well Condition															
126) Well Condition															
127) Well Condition															
128) Well Condition															
129) Well Condition															
130) Well Condition															
131) Well Condition															
132) Well Condition															
133) Well Condition															
134) Well Condition															
135) Well Condition															
136) Well Condition															
137) Well Condition															
138) Well Condition															
139) Well Condition															
140) Well Condition					</td										

FRONT PAGE SUMMARY

Job Sheet Serial Number: 0Y52245-20100213-1C Pason Year: 2010 Month: 02 Day: 13

Rig No.: Well Name: Surface Location: Prod. Loc. Type: Unit/Type: Kelly Bushing

245 Para et al Cameron F-77 60-56-25.30W172-9 NT 300F116010117150 4

License No.: Operator: Contractor: Well Type: Re-Entry:

1221 PARAMOUNT RESOURCES LTD PRECISION DRILLING DIV OF PDC VERT

Operator's AFE: Contractor's Job No.: Spud Date: Time:

2010/02/06 01:00

Signature of Operator Representative: Signature of Contractor's Rig Manager: Rig Release Date: Time:

4 Crown Saver Checked: EB

SHALE VARDLEY ERICK BIGRAS

SAFETY CHECKS: 7) Visually Inspected BOPs - Flare Lines & Gaslines Lines: EB

1) Rig Side Health & Safety Meeting (new/renew/month):

2) CAJDC Rig Safety Inspection Checklist (new/renew/month):

3) Mast Inspection before Raising or Lowering:

4) Crown Saver Checked: EB

5) Meter Kill Checker:

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)

101)

102)

103)

104)

105)

106)

107)

108)

109)

110)

111)

112)

113)

114)

115)

116)

117)

118)

119)

120)

121)

122)

123)

124)

125)

126)

127)

128)

129)

130)

131)

132)

133)

134)

135)

136)

137)

138)

139)

140)

141)

142)

143)

144)

145)

146)

147)

148)

149)

150)

151)

152)

153)

154)

155)

156)

157)

158)

159)

160)

161)

162)

163)

164)

165)

166)

167)

168)

169)

170)

171)

172)

173)

174)

175)

176)

177)

178)

179)

180)

181)

182)

183)

184)

185)

186)

187)

188)

189)

190)

191)

192)

193)

194)

195)

196)

197)

198)

199)

200)

201)

202)

203)

204)

205)

206)

207)

208)

209)

210)

211)

212)

213)

214)

215)

216)

217)

218)

219)

220)

221)

222)

223)

224)

225)

226)

227)

228)

229)

230)

231)

232)

233)

234)

235)

236)

237)

238)

239)

240)

241)

242)

243)

244)

245)

246)

247)

FRONT PAGE SUMMARY										Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day			
										052245_20100213_1C	Pason	2010	02	13			
Buy No.	Well Name	Surface Location		Prev. Ltr. Type	Unique Well Id	Kelly Bushing		Rig No.	Well Name	Surface Location		Prev. Ltr. Type	Unique Well Id	Kelly Bushing			
245	Paramount Resources F-77	60-05-02-3049-117-29		NT	300F116010117150	4		242	Paramount Resources F-77	60-05-02-3049-117-29		NT	300F116010117150	4			
License No.	Operator	Contractor		Well Type	Re-Entry		Rig	Mud Pumps	GENERAL EQUIPMENT & SERVICES		Description	Hours					
1221	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC		VERT	<input type="checkbox"/>		Boiler	No.	Make	Stroke Length (mm)		CADDY	Pason				
Operator's AFE	Contractor's Job No	Spud Date		Time			Op Fuel	Description	Hours								
D9N10009	354	2010/02/06		01:00			WEATHER	No.	Make	Stroke Length (mm)							
Signature of Operator Representative	Signature of Contractor's Rig Manager	Rig Release Date		Time			Time	No.	Make	Stroke Length (mm)							
HALEY YARDLEY	ERICK BIGRAS						Current Conditions	Description	Hours								
							Wind Direction	No.	Make	Stroke Length (mm)							
							Wind Strength	Description	Hours								
							Rough Condition	No.	Make	Stroke Length (mm)							
TOUR 1										CASING	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										Casing	Description						
JOE LEADLEY										Category	Make	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total Joint OD (mm)
										Time	Description	Hours					
										Current Conditions	Description	Hours					
										Wind Direction	Description	Hours					
										Wind Strength	Description	Hours					
										Rough Condition	Description	Hours					
TOUR 2										SHALE SHAKERS	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										No.	Top Screen	Middle Screen	Bottom Screen				
PETER IWANCZYK										Size	Changed	New	Size	Changed	New		
										Description	Hours						
										Size	Changed	New	Size	Changed	New		
										Description	Hours						
										Size	Changed	New	Size	Changed	New		
TOUR 3										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 4										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 5										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 6										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 7										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 8										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 9										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 10										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 11										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 12										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 13										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 14										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 15										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 16										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 17										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 18										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 19										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 20										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 21										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 22										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 23										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 24										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 25										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 26										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 27										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 28										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 29										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 30										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 31										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 32										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 33										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 34										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 35										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 36										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 37										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 38										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 39										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 40										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 41										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 42										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 43										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 44										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 45										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 46										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 47										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 48										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 49										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 50										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 51										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 52										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 53										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 54										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 55										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 56										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description	Hours						
										Remarks							
TOUR 57										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
JOE LEADLEY										Description	Hours						
										Remarks							
TOUR 58										TIME LOG	GENERAL EQUIPMENT & SERVICES						
SIGNATURE OF DRILLER										From	To	Elapsed	Code				
PETER IWANCZYK										Description</td							

FRONT PAGE SUMMARY		Tool Sheet Serial Number	Vendor Software Version	Year	Month	Day
		0Y52245_20100214_1A	Pason	2010	02	14
Rig No.	Well Name	Surface Location	Prev. Lsr. Type	Initial Well Id	Kelly Bushing	
245	Para et al Cameron F-77	60°06'28.30"N 177°28'04"E	NT	AT-200	300F116010117150	4
License No.	Operator	Contractor	Well Type	Re-Entry		
1221	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT			
Operator's AFE	Contractor's Job No	Spud Date	Time			
20100009	354	2010/02/06	01:00			
Signature of Operator Representative		Signature of Contractor's Rig Manager		Rig Release Date	Time	
HALE YARDLEY		ERICK BIGRAS				

TOUR 1		SIGNATURE OF DRILLER					
TOUR 1		JOE LEADLEY					
DRILLING ASSEMBLY							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 2							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 3							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 4							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 5							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 6							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 7							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 8							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 9							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 10							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 11							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 12							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 13							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 14							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 15							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 16							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 17							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 18							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 19							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 20							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 21							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 22							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 23							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 24							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 25							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT SUB	156	64	0.71			
6	DC (6.25 IN)	156	65	49.61			
1	JARS-HYD.	156	65	5.26			
9	DC (6.25 IN)	156	65	82.50			
1	XO	156	65	0.27			
6	HWDPI4.0 IN	135	65	55.44			
BIT NUMBER 26							
No.	Component	OD (mm)	ID (mm)	Length (m)			
1	BIT	200	0	0.20			
1	BIT						

FRONT PAGE SUMMARY		Job Sheet Serial Number	Vendor Software Version	Year	Month	Day																																																																													
Rig No.	Well Name	Surface Location	Prev. Loc	Unique Well ID	Kelly Bushing																																																																														
245	Paro et al Cameron F-77	60-00-30NW11729-0470W	NT-AT-CNG	300F116010117150	4																																																																														
License No.		Operator	Contractor	Well Type	Re-Entry																																																																														
1221		PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT	<input type="checkbox"/>																																																																														
Operator A FE		Contractor's Job No	Spud Date	Time																																																																															
09NO10009			2010/02/06	01:00																																																																															
Signature of Operator Representative		Signature of Contractor's Rig Manager	Rig Release Date	Date																																																																															
JOSH BLINSTON		ERICK BIGRAS	2010/02/15	08:00																																																																															
TOUR 1																																																																																			
DRILLING ASSEMBLY		SIGNATURE OF DRILLER																																																																																	
<table border="1"> <thead> <tr> <th>No.</th> <th>Component</th> <th>OD (mm)</th> <th>ID (mm)</th> <th>Length (m)</th> </tr> </thead> <tbody> <tr> <td></td> <td>BIT Number</td> <td>2</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Size (mm)</td> <td>200</td> <td></td> <td></td> </tr> <tr> <td></td> <td>API Code</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td></td> <td>Manufacturer</td> <td>VAREL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Type</td> <td>DSX416M-A3PDC</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Serial No.</td> <td>114176</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Jets (mm)</td> <td>12.0</td> <td>12.0</td> <td>12.0</td> </tr> <tr> <td></td> <td>Depth Out (m)</td> <td>12.0</td> <td>12.0</td> <td></td> </tr> <tr> <td></td> <td>Depth In (m)</td> <td></td> <td></td> <td>378</td> </tr> <tr> <td></td> <td>Total Drilled (m)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Hrs Run Today</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Cumulative Hrs Run</td> <td></td> <td></td> <td>64.75</td> </tr> <tr> <td></td> <td>Entry Date</td> <td colspan="3">2010/01/13</td> </tr> </tbody> </table>		No.	Component	OD (mm)	ID (mm)	Length (m)		BIT Number	2				Size (mm)	200				API Code	2	2	2		Manufacturer	VAREL				Type	DSX416M-A3PDC				Serial No.	114176				Jets (mm)	12.0	12.0	12.0		Depth Out (m)	12.0	12.0			Depth In (m)			378		Total Drilled (m)					Hrs Run Today					Cumulative Hrs Run			64.75		Entry Date	2010/01/13			<p>JOE LEADLEY</p> <table border="1"> <thead> <tr> <th colspan="7">SIGNATURE OF DRILLER</th> </tr> </thead> </table>					SIGNATURE OF DRILLER						
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																															
	BIT Number	2																																																																																	
	Size (mm)	200																																																																																	
	API Code	2	2	2																																																																															
	Manufacturer	VAREL																																																																																	
	Type	DSX416M-A3PDC																																																																																	
	Serial No.	114176																																																																																	
	Jets (mm)	12.0	12.0	12.0																																																																															
	Depth Out (m)	12.0	12.0																																																																																
	Depth In (m)			378																																																																															
	Total Drilled (m)																																																																																		
	Hrs Run Today																																																																																		
	Cumulative Hrs Run			64.75																																																																															
	Entry Date	2010/01/13																																																																																	
SIGNATURE OF DRILLER																																																																																			
BITS		JOE LEADLEY																																																																																	
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																															
	BIT Number	2																																																																																	
	Size (mm)	200																																																																																	
	API Code	2	2	2																																																																															
	Manufacturer	VAREL																																																																																	
	Type	DSX416M-A3PDC																																																																																	
	Serial No.	114176																																																																																	
	Jets (mm)	12.0	12.0	12.0																																																																															
	Depth Out (m)	12.0	12.0																																																																																
	Depth In (m)			378																																																																															
	Total Drilled (m)																																																																																		
	Hrs Run Today																																																																																		
	Cumulative Hrs Run			64.75																																																																															
	Entry Date	2010/01/13																																																																																	

DULL GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Drill Pipe	Stands (m)	T₁	Gage (mm)	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Drill Pipe	Singles (m)	T₂	ODC	NO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of DC (kNm)	Kelly Down (m)	MDC	Reason Pulled	TD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of string (kNm)	Total (m)	LOC	Total Run (m/hr)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
BRG	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
TOUR 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DRILLING ASSEMBLY		SIGNATURE OF DRILLER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	No.	Component	OD (mm)	ID (mm)	Length (m)				-----	--------------------	-------------	---------	------------	--	--			BIT Number	3							Size (mm)	200							API Code								Manufacturer	VAREL							Type	TGR HE18MSV							Serial No.	250656							Jets (mm)	18.0	18.0	18.0					Depth Out (m)								Depth In (m)			1420					Total Drilled (m)								Hrs Run Today								Cumulative Hrs Run			0.00					Entry Date	2010/02/13							PETER IWANICKY	SIGNATURE OF DRILLER								----------------------	--	--	--	--	--	--		----------------------	--	--	--	--	--	--																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
BITS		PETER IWANICKY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	BIT Number	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Size (mm)	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	API Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Manufacturer	VAREL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Type	TGR HE18MSV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Serial No.	250656																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Jets (mm)	18.0	18.0	18.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Depth Out (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Depth In (m)			1420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Total Drilled (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Hrs Run Today																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Cumulative Hrs Run			0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Entry Date	2010/02/13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DULL GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Drill Pipe	Stands (m)	T₁	Gage (mm)	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Drill Pipe	Singles (m)	T₂	ODC	NO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of DC (kNm)	Kelly Down (m)	MDC	Reason Pulled	TD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of string (kNm)	Total (m)	LOC	Total Run (m/hr)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
BRG	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
TOUR 3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DRILLING ASSEMBLY		SIGNATURE OF DRILLER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	No.	Component	OD (mm)	ID (mm)	Length (m)				-----	--------------------	-------------	---------	------------	--	--			BIT Number	3							Size (mm)	200							API Code								Manufacturer	VAREL							Type	TGR HE18MSV							Serial No.	250656							Jets (mm)	18.0	18.0	18.0					Depth Out (m)								Depth In (m)			1420					Total Drilled (m)								Hrs Run Today								Cumulative Hrs Run			0.00					Entry Date	2010/02/13							JOE LEADLEY	SIGNATURE OF DRILLER								----------------------	--	--	--	--	--	--		----------------------	--	--	--	--	--	--																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
BITS		JOE LEADLEY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
No.	Component	OD (mm)	ID (mm)	Length (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	BIT Number	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Size (mm)	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	API Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Manufacturer	VAREL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Type	TGR HE18MSV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Serial No.	250656																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Jets (mm)	18.0	18.0	18.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Depth Out (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Depth In (m)			1420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Total Drilled (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Hrs Run Today																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Cumulative Hrs Run			0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Entry Date	2010/02/13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DULL GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Drill Pipe	Stands (m)	T₁	Gage (mm)	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Drill Pipe	Singles (m)	T₂	ODC	NO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of DC (kNm)	Kelly Down (m)	MDC	Reason Pulled	TD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Weight of string (kNm)	Total (m)	LOC	Total Run (m/hr)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
BRG	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
GENERAL EQUIPMENT & SERVICES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DAILY CHECKS		OP RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	DAILY CHECKS		OP RM		FUEL @ 08:00 HOURS				---	--	---------	--	--------------------	--	--		1) Daily Work Areas Inspection		Hg						2) Safety Equipment - Ready, Using Check List		Boiler						3) M2 Signs Posted & Required		Op Fuel						4) Well Licence & Stock Diagram Posted								5) Flare Lines Staked								6) BOP Drills Inspected								7) Visually Inspected BOPM - Flare Lines & Degasser Lines																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
WEATHER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	WEATHER		CASING						---------	--	--------------------	--	--	--	--		Time		Casing						06:00								Temp		Category						-13		Thread Type								Grade								OD (mm)								ID (mm)								Linear Mass (kg/m)								No. of Joints								Tool Joint OD (mm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
DRILL PIPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	DRILL PIPE		MUD PUMPS						--------------------	--	--------------------	--	--	--	--		Category		No. M.						Thread Type		Make						Grade		Stroke Length (mm)						OD (mm)		1						ID (mm)		2						Linear Mass (kg/m)		BPMM						No. of Joints		229						Tool Joint OD (mm)		BPMM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
SHALE SHAKERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	SHALE SHAKERS		GENERAL EQUIPMENT & SERVICES						---------------	--	------------------------------	--	--	--	--		No.		Description						Size		Hours						Changed		MUD PUMP						New		24.00						Size		MANIFOLD						Changed		24.00						New		LOADER						Size		24.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
GENERAL EQUIPMENT & SERVICES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	GENERAL EQUIPMENT & SERVICES		GENERAL EQUIPMENT & SERVICES						------------------------------	--	------------------------------	--	--	--	--		Description		Hours						MUD PUMP		24.00						MANIFOLD		24.00						LOADER		24.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
MAINTENANCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	MAINTENANCE		GENERAL EQUIPMENT & SERVICES						-------------	--	------------------------------	--	--	--	--		Description		Hours						MUD PUMP		24.00						MANIFOLD		24.00						LOADER		24.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
SAFETY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	SAFETY		GENERAL EQUIPMENT & SERVICES						--------------	--	------------------------------	--	--	--	--		Safety Topic		Hours						MEHL (kNm)		MACP (kNm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
TIME LOG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	TIME LOG		GENERAL EQUIPMENT & SERVICES						----------	--	---	--	--	--	--		From		Details of Operations in Sequence & Remarks						To								Elapsed								Code								00:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						00:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR OUT FLARE TANK, AND ASSOCIATED LINES, CLOSE UP MANIFOLD SHACK, PUT						02:00		LINES AWAY, CLOSE UP SHACKS						02:00		02:22						02:00		TEAR						

Front Page Summary		Year Sheet Serial Number	Vendor Software Version	Year	Month	Day
		075248_21010216_1B	Paxcon	2013	02	16
Fig No.	Well Name	Surface Location	Prov / City Type	Owner	Well ID	Key Bushing
245	Parra et al Carrion F-77	06 23 30N/117 29' W	NT ATCNG	SOOF116010117150	4	
License No.	Operator	Contractor	Well Type	Re-Entry		
1221	PARAMOUNT RESOURCES LTD	PRECISION DRILLING, DIV OF PDC	VERT			<input type="checkbox"/>
Operators AFE	Contractor's Job No.	Spud Date	Time			
09N010009	354	2011/02/06	01:00			
Signature of Operator Representative	Signature of Contractor's Rig manager	Rig Release Date	Time			
JOSH BLINSTON	ERICK BIGRAS	2011/02/15	08:00			

TOUR 1		DRILLING ASSEMBLY				BITS				MUD	
No.	Component	OD (mm)	ID (mm)	Length (m)		Bit Number	2				
						Size (mm)	200				
						IADC Code	M	2	2		D
						Manufacturer	REED				Funnel
						Type	DSX410M-A3PBC				Hi
						Serial No	1				
						Job (min)	12.0	12.0	12.0		
							12.0	12.0	12.0		
						Depth Out (m)					
						Depth In (m)					378
						Total Drilled (m)					
						Hrs Run Today					
						Cumulative Hrs Run					64.75
						Entry Date	2010/01/13				
DULL GRADE											
	1					Grade (mm)	200				
	1					ODC	INO				
	1					MDC	CT				
	1					Passen Pulled	TD				
	1					LOC	N				
	1					Total Run (m/h)					
	BRG					X					

TOUR 2		DRILLING ASSEMBLY				BITS		MUD	
No.	Component	OD (mm)	ID (mm)	Length (m)	(m)	Bit Number	3	Size (mm)	200
1	Drill Pipe	76.2	50.8	10.0	10.0	IDC Code	VAR1		D
2	Drill Pipe	76.2	50.8	10.0	10.0	Manufacturer	TGR	HE18MSV	Funnel
3	Drill Pipe	76.2	50.8	10.0	10.0	Lyre	FI		Fl
4	Drill Pipe	76.2	50.8	10.0	10.0	Serial No.	250656		
5	Drill Pipe	76.2	50.8	10.0	10.0	Jets (mm)	18.0	18.0	18.0
6	Drill Pipe	76.2	50.8	10.0	10.0	Depth Cut (m)			
7	Drill Pipe	76.2	50.8	10.0	10.0	Depth in (m)			1420
8	Drill Pipe	76.2	50.8	10.0	10.0	Total Utilized (m)			SOL
9	Drill Pipe	76.2	50.8	10.0	10.0	Hrs Run Total			Equ
10	Drill Pipe	76.2	50.8	10.0	10.0	Cumulative Hrs Run			
11	Drill Pipe	76.2	50.8	10.0	10.0	Entry Date	2010/02/13		
TOUR 2									
DULL GRADE					1	2	3	4	5
						ODC			
					1				
					MDC	Reason Pulled			
					LOC	Total Run (m/h)			
					BRG				MOV

TOUR 3				DRILLING ASSEMBLY		BITS		MUD	
No.	Component	OD (mm)	ID (mm)	Length (m)	Bit Number	3	Site (mm)	200	D
					Site (mm)		200		
					MDC Code				
					Manufacturer	VAREL			
					Type	TGR HE18MSV			
					Serial No.		250656		
					Jets (mm)	18.0	18.0	18.0	
					Depth Out (m)				
					Depth In (m)		1420		
					Total Out (m)				
					Has Run Today				
					Cumulative Hs Run		0.00		
					Entry Date	2010/02/13			
DULL GRADE									
					T ₁		Gage (mm)		
	Drill Pipe	Stands (m)			T ₂		LOC		
	Drill Pipe	Stands (m)			MDC		Reason Pulled		
		Stands (m)			LDC		Total Run (m/h)		
	Weight of DC (kN/m)	Kerb Down (m)			BRG				
	Weight of strong (kN/m)	Total (m)							

DAILY CHECKS		OP RM	FUEL @ 08:00 HOURS	
1) Daily Work Assignment	1) Work Done		Rgt	
2) Work Done	2) Work Pending		Boiler	
3) HOS Signs Posted if Required			Op Fuel	
4) HOS Licence & Stock Diagram Posted				WEATHER
5) Flare Lines Staked				Time
6) BOP Drills Performed				06
7) Various Inspected 60% - Flare Lines & Depressor Lines				Temp
1) RHA Site & Safety Meeting (new/rev/reinfo)				Current Conditions
2) CAUTION Site Safety Inspection Checklist (new/rev/reinfo)				CLEAR
3) Check for Correct Bore Raising or Lowering				Wind Direction
4) Cross Checks				NE
5) Motor Kilns Checked				Wind Strength
				UP TO 19 KM
				Read Condition
				FAIR

SIGNATURE OF DRILLER						
MUD RECORD		MUD MATERIALS ADDED				
Mud Type	Water	Oil	Other	Product	Amount	Type
Time						
Density (kg/m³)						
Viscosity (cP)						
Red Loss (cm²)						
pH						
Location						
Depth (m)						
PVT (m)						
IDS CONTROL						
Drill Bit Name	Hours Run	Intake Density (kg/m³)	Over Flow Density (kg/m³)	Under Flow Density (kg/m³)		
ETY						
Safety Topic:	NEH (Addn)		MACP (xps)			

SIGNATURE OF DRILLER						
RECORD		MUD MATERIALS ADDED				
Mud Type	Water	Oil	Other	Product	Amount	Type
Time						
Density (kg/m ³)						
Viscosity (cP)						
Filter Loss (cm ³)						
pH						
Location						
Depth (m)						
PVT (m)						
IDS CONTROL				IDS		
Formal Name	Hours Run	Intake Density (kg/m ³)	Over Flow Density (kg/m ³)	Under Flow Density (kg/m ³)		
SAFETY				SAFETY		
Safety Topic				MEHL (kds/m)	MACP (kds)	
NG W/TRUCK						
SIGNATURE OF DRILLER						

DRILL PIPE							
Category	Thread Type	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total
DP	4" FH	SS95	102	65	23.8300	10	
DC	4.5" XH	DC	156	58	134.0000	18	
LW	4" FH	HWDP	102	65	41.6400	6	
CASING							
Category	Make	Grade	OD (mm)	ID (mm)	Linear Mass (kg/m)	No. of Joints	Total
SURFACE	L-SIDE	J-55	219	206	35.72	28	
PRODUCTION	PARAGON	J-55	140	127	20.83	116	

MUD PUMPS			GENERAL EQUIPMENT					
OD (mm)	Make	Stroke Length (mm)	Description					
1	3MPMMP	229	MUD PUMP					
2	3PMMP	229	MANIFOLD LOADER					
SHALE SHAKERS								
Top Screen			Middle Screen					
No.	Size	Changed	No.	Size	Changed	No.	Size	Changed
1	50	■	84	■	■	111	■	■
	□	□		□	□		□	□
	□	□		□	□		□	□

GENERAL EQUIPMENT & SERVICES	
Description	Hours
MUD PUMP	24.00
MANIFOLD	24.00
LOADER	24.00





Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Resources
Report For	Josh Binston (ph. 4038603569)

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	Inner	Casing	Ann Vol.	Flow	Ann Vol.	Flow	Pipe Cap	0.5	Circulation Time	
Bit Size(mm)	311					D.C.	68.0	212.0	17.9	N/A	N/A	N/A	-56.2	N/A	Ann Vol.	0.0	BTM's Up	0		
Type	HE04SMRSV					D.C.	65.0	158.0	123.1	N/A	N/A	N/A	-101.	N/A	Tank	40.0	Total	20		
Nozzles (mm):						H.W.D.P.	65.0	102.0		N/A	N/A	N/A	N/A	N/A	Tot. Cr. Vol	40.5	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.																				
WOB (daN)																				
Nozzle Vel	68.6																			
Bit Press..	2607	Check #1		Check #2																
Mod System		WaterBasedMud																		
Depth MD / TVD (m)	0	/	0		/															
Time Sample Taken																				
Flowline Temp (C)																				
Funnel Viscosity (sec/L)																				
Mud Density (kg/m3)																				
Hyd. Grad. (kPalm)																				
EGD (kg/m3)																				
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER		8.0																		
Plastic Viscosity (mPa)																				
Yield Point (Pa)																				
Gel Strength (Pa) 10s/1min	0.5	/	0.5		/															
N Low / K low	0.41	/	0.26		/															
N Med / K med	0.58	/	0.10		/															
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)	0.1	/	0.1		/															
Hydroxyl (mg/L)																				
Carbonate (mg/L)																				
Total Hardness (mg/L)																				
Chlorides (mg/L)																				
Potassium (mg/L)																				
0.2 N HCl / 2.0 N HCl (sec's)		/			/															
Silicate % w/w / Silicate %		/			/															
Clear Fluid Density (kg/m3)																				
SiO2/K2O Ratio																				
Soluble Sulfides <input type="checkbox"/> HAC <input type="checkbox"/>																				
Polymer (kg/m3)																				
										Cost Information										
										Cost Since Last Check		Total Cost to Date								
										Marquis Alliance Representatives										
										T.S.R	Shannon Williams		Trucking Company							
										Cell	780-691-2295		Warehouse							
										Pager/Home #	780-895-2688		Phone #							



Drilling Fluid Report

Well Name	Para Cameron Hills			
Operator	Paramount Resources			
Report For	Josh Blinston (ph. 4038603569)			

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	0.4	Circulation Time			
Bit Size (mm)	311					D.C.	68.0	212.0	17.9	45.3	LAM	N/A	N/A	N/A	N/A	6.3	BTM's Up	3			
Type	HE04SMRSV					D.C.	65.0	158.0	68.0	32.7	LAM	N/A	N/A	N/A	N/A	54.0	Total	33			
Nozzles (mm)						D.P.	65.0	102.0	25.1	27.2	LAM	N/A	N/A	N/A	N/A	60.6	Water Added				
N1:	14.3	N2:	14.3													8.4	Mud Lost				
N3:	14.3	N4:																			
N5:		N6:																			
N7:		N8:																			
TFA	482																				
Depth In	0																				
Depth Out																					
Hrs. on Bit																					
Drill Rate	10.0																				
R.P.M.																					
WOB (daN)		% Pressure at Bit																			
Nozzle Vel	63.7																				
Bit Press...	2358	Check #1		Check #2																	
Mud System		WaterBasedMud																			
Depth MD / TVD (m)	111	/	111		/																
Time Sample Taken																					
Flowline Temp (C)																					
Funnel Viscosity (secL)																					
Mud Density (kg/m3)																					
Hyd. Grad. (kPa/m)																					
ECD (kg/m3)																					
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER																					
Plastic Viscosity (mPa)																					
Yield Point (Pa)																					
Gel Strength (Pa) 10s/10min	1.0	/	2.0		/																
N Low / K low	0.25	/	1.34		/																
N Med / K med	0.68	/	0.15		/																
Filtrate (cm3/00min@700kPa @ 3500 kPa)																					
Filtrate Cake (mm)																					
Sand Content (%)																					
Total Solids (%)																					
Cor. Solids (%)																					
Oil Content (%)																					
M.B.T. (kg/m3)																					
HGS (kg/m3) / %	0.00	/	0.0		/																
LGS (kg/m3) / %	81.26	/	3.1		/																
Drilled solids (kg/m3)																					
Bentonite (kg/m3)																					
Avg. Density (kg/m3)																					
Alkalinity (PF/MF)	0.0	/	0.1		/																
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%vv / Silicate %	/		/																		
Clear Fluid Density (kg/m3)																					
SiO2/K2O Ratio																					
Soluble Sulphides <input type="checkbox"/> HAC <input type="checkbox"/>																					
Polymer (kg/m3)																					
										Cost Information											
										Cost Since Last Check	\$950.00	Total Cost to Date	\$950.00								
										Marquis Alliance Representatives											
										T.S.R	Shannon Williams		Trucking Company								
										Cell	780-691-2295		Warehouse								
										Pager/Home #	780-895-2688		Phone #								



Drilling Fluid Report

Well Name	Para Cameron Hills		
Operator	Paramount Resources		
Report For	Josh Blyston (ph. 4038603569)		
Report For	Hale Yardley		

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 Vol.	Liner Flow	Casing Ann Vol.	Casing Flow	Pipe Cap	1.1	Circulation Time						
Bit Size (mm)	311					D.C.	68.0	212.0	17.9	47.6	LAM	N/A	N/A	Ann Vol.	20.4	BTM's Up						
Type	HE04SMRSV					D.C.	65.0	158.0	68.0	34.3	LAM	N/A	N/A	Tank	50.2	Total						
Nozzles (mm)						D.P.	65.0	102.0	234.1	28.6	LAM	N/A	-236.	N/A	71.7	Water Added						
N1: 14.3 N2: 14.3														Open Hole	24.3	Mud Lost						
N3: 14.3 N4:																15						
N5: N6:																						
N7: N8:																						
TFA	482																					
Depth In	0																					
Depth Out																						
Hrs. on Bit	25.5																					
Drill Rate	13.0																					
R.P.M.	142					HHP		113.93														
WOB (daN)						% Pressure at Bit		37.97														
Nozzle Vol	67.0																					
Bit Press.	2633					Check #1		Check #2														
Mud System						WaterBasedMud																
Depth MD / TVD (m)	320	/	320		/																	
Time Sample Taken						07:40																
Flowline Temp (C)						24																
Funnel Viscosity (sec/L)						40																
Mud Density (kg/m3)						1050																
Hyd. Grad. (Palm)						10.40																
ECD (kg/m3)						1065																
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER						8.0																
Plastic Viscosity (mPa)						5.5																
Yield Point (Pa)						3.4																
Gel Strength (Pa) 10s/10min						2.0 / 2.5	/	/														
N Low / K low						0.24 / 2.02	/	/														
N Med / K med						0.53 / 0.47	/	/														
Filtrate (cm3/30min@700kPa)						8.5																
Filter Cake (mm)						1.0																
HTHP FILTRATE @ C (cm3/30 min. @ 350 kPa)						@ @		@														
Filter Cake (mm)																						
Sand Content (%)						.25																
Total Solids (%)						3.75																
Cor. Solids (%)																						
Oil Content (%)																						
M.B.T. (kg/m3)						57																
HGS (kg/m3) / %						0.00 / 0.0	/	/														
LGS (kg/m3) / %						97.52 / 3.8	/	/														
Drilled solids (kg/m3)						40.52																
Bentonite (kg/m3)																						
Avg. Density (kg/m3)						2600																
Alkalinity (PF/MF)						0.0 / 0.1	/	/														
Hydroxyl (mg/L)																						
Carbonate (mg/L)						24																
Bicarbonate (mg/L)						85																
Total Hardness (mg/L)						80																
Chlorides (mg/L)						1000																
Potassium (mg/L)																						
0.2 N HCl / 2.0 N HCl (cc's)						/ /		/ /														
Silicate% viv / Silicate %						/ /		/ /														
Clear Fluid Density (kg/m3)						1000																
SiO2/K2O Ratio																						
Soluble Sulfides <input type="checkbox"/> HAC <input type="checkbox"/>																						
Polymer (kg/m3)						0.50																
Current Activity		Drilling Ahead 311mm Surface at 320m																				
Date		February 7, 2010			Check Number		3			Days From Spud		1										
Spud Date		February 6, 2010																				
Location		F-77-60/10-11-15																				
Contractor		Precision 245																				
Report for		Erick Bigras																				
Report for		Hale Yardley																				
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 Vol.	Liner Flow	Casing Ann Vol.	Casing Flow	Pipe Cap	1.1	Circulation Time						
Bit Size (mm)	311					D.C.	68.0	212.0	17.9	47.6	LAM	N/A	N/A	Ann Vol.	20.4	BTM's Up						
Type	HE04SMRSV					D.C.	65.0	158.0	68.0	34.3	LAM	N/A	N/A	Tank	50.2	Total						
Nozzles (mm)						D.P.	65.0	102.0	234.1	28.6	LAM	N/A	-236.	N/A	71.7	Water Added						
N1: 14.3 N2: 14.3														Open Hole	24.3	Mud Lost						
N3: 14.3 N4:																15						
N5: N6:																						
N7: N8:																						
TFA	482																					
Depth In	0																					
Depth Out																						
Hrs. on Bit	25.5																					
Drill Rate	13.0																					
R.P.M.	142					HHP		113.93														
WOB (daN)						% Pressure at Bit		37.97														
Nozzle Vol	67.0																					
Bit Press.	2633					Check #1		Check #2														
Mud System						WaterBasedMud																
Depth MD / TVD (m)	320	/	320		/																	
Time Sample Taken						07:40																
Flowline Temp (C)						24																
Funnel Viscosity (sec/L)						40																
Mud Density (kg/m3)						1050																
Hyd. Grad. (Palm)						10.40																
ECD (kg/m3)						1065																
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER						8.0																
Plastic Viscosity (mPa)						5.5																
Yield Point (Pa)						3.4																
Gel Strength (Pa) 10s/10min						2.0 / 2.5	/	/														
N Low / K low						0.24 / 2.02	/	/														
N Med / K med						0.53 / 0.47	/	/														
Filtrate (cm3/30min@700kPa)						8.5																
Filter Cake (mm)						1.0																
HTHP FILTRATE @ C (cm3/30 min. @ 350 kPa)						@ @		@														
Filter Cake (mm)																						
Sand Content (%)						.25																
Total Solids (%)						3.75																
Cor. Solids (%)																						
Oil Content (%)																						
M.B.T. (kg/m3)						57																
HGS (kg/m3) / %						0.00 / 0.0	/	/														
LGS (kg/m3) / %						97.52 / 3.8	/	/														
Drilled solids (kg/m3)						40.52																
Bentonite (kg/m3)																						
Avg. Density (kg/m3)				</td																		



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Resources
Report For	Josh Blinston (ph. 4038603569)
Report For	Hale Yardley

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.

Current Activity		WOC at 379m	
Date	February 8, 2010	Check Number	4
Spud Date	February 6, 2010	Days From Spud	2
Location	F-77-50/10-11-15		
Contractor	Precision 245		
Report for	Erick Bigras		
Report for			

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 Vol.	Liner Ann Vol.	Casing Ann Vol.	Pipe Cap	1.6	Circulation Time								
Bit Size (mm)	200	Surface	206.0	219.0	379.0	D.C.	65.0	158.0	68.0	N/A	N/A	95.2	TUR	8.8	BTMs Up	7							
Type	HE04SMRSV					H.W.D.P.	65.0	102.0	150.0	N/A	N/A	51.9	TUR	Tank	8.0	Total	14						
Nozzles (mm)						D.P.	85.0	102.0	161.0	N/A	N/A	51.9	TUR	Tot. Circ. Vol	18.4	Water Added							
N1:	10.3	N2:	10.3											Open Hole	0.0	Mud Lost	15						
N3:	10.3	N4:	10.3	V.G. Readings		Deviation Record		Solids Control Equipment								Pump Data							
N5:	10.3	N6:	10.3	True	#1	#2	Depth	Incl	Dir	Type	Name	Screen Size	Screen Size	Screen Size	Model	F-800	F-800						
N7:		N8:		600	5					Shakers	Swaco	85	85	85	Liner Dia	152	152						
TFA				500		300	3								Stroke	229	229						
Depth In				379		200				Type	Name	U.F. (kg/m3)	O.F. (kg/m3)	U.F. Rate (L/min)	Hours Run	Removal Rate (kg/hr)	Output(m3/Stroke)	0.0125	0.0125				
Depth Out						100				Centrifuge	United				S.P.M.	110							
Hrs. on Bit						6									Output(m3/min)	1,306							
Drill Rate						3	1								Total Output (m3/min)	1.306							
R.P.M.				HHP		30.68									Press. (kPa)	6935							
WOB (daN)				% Pressure at Bit		15.15																	
Nozzle Vol				43.5				Summary of Activity - Comments, Observations, Pilot Tests															
Bit Press..				1051		Check #1		Check #2		Remarks; Hole conditions tripping & drilling; Cuttings description; Torque & drag; Reaming; Bridges; etc.													
Mud System				WaterBasedMud						Feb 08 2010: RIH w/219 mm surface csg. Conditioned mud for cement w/Desco CF II and fresh water. Cemented with good returns. WOC. Cut csg. Welded on bowl and nipped up. Pressure tested BOP's.													
Depth MD / TVD (m)				379		/ /		379		/ /													
Time Sample Taken				15.00																			
Flowline Temp (C)				16																			
Funnel Viscosity (sec/L)				28																			
Mud Density (kg/m3)				1000																			
Hyd. Grad. (kPa/m)				9.81																			
ECO (kg/m3)				1003																			
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER				8.0																			
Plastic Viscosity (mPa)				2.0																			
Yield Point (Pa)				0.5																			
Gel Strength (Pa) 10s/10min				0.5		/ /		/ /															
N Low / K low				0.28		/ /		0.32		/ /													
N Med / K med				0.74		/ /		0.03		/ /													
Filter (cm3/30min@700kPa)																							
Filter Cake (mm)																							
HTHP FILTRATE @ C (cm3/30 min. @ 3500kPa)				@		@		@		@													
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)				0.0		/ /		0.1		/ /													
Hydroxyl (mg/L)																							
Carbonate (mg/L)				36																			
Bicarbonate (mg/L)				49																			
Total Hardness (mg/L)				60																			
Chlorides (mg/L)				160																			
Potassium (mg/L)																							
0.2 N HCl / 2.0 N HCl (cc's)				/ /		/ /		/ /															
Silicate% v/v / Silicate %				/ /		/ /		/ /															
Clear Fluid Density (kg/m3)				1000								Cost Information											
SiO2/K2O Ratio																							
Soluble Sulfides <input type="checkbox"/> HAC <input type="checkbox"/>																							
Polymer (kg/m3)																							
Piper/Home #																							
T.S.R												Marquis Alliance Representatives											
Cell																							
780-691-2295																							
Warehouse																							
780-895-2688																							
Phone #																							



Drilling Fluid Report

Well Name	Para Cameron Hills		
Operator	Paramount Resources		
Report For	Hale Yardley		
Report For	Hale Yardley		

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 Vol.	Line	Casing Ann Vol.	Flow	Pipe Cap	3.6	Circulation Time		
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.C.	65.0	158.0	68.0	92.5	TUR	N/A	N/A	Ann Vol.	17.0	BTM's Up	16	
Type	HE04SMRSV					H.W.D.P.	65.0	102.0	150.0	47.0	TUR	N/A	N/A	Tank	46.0	Total	61	
Nozzles (mm)						D.P.	85.0	102.0	515.0	47.0	TUR	N/A	43.4	TUR	Tot. Circ. Vol	66.6	Water Added	
N1:	10.3	N2:	10.3											Open Hole	11.1	Mud Lost	15	
N3:	10.3	N4:	10.3															
N5:	10.3	N6:	10.3															
N7:		N8:																
TFA	500																	
Depth In	379																	
Depth Out																		
Hrs. on Bit	20.0																	
Drill Rate																		
R.P.M.	93	HHP				18.76												
WOB (daN)		% Pressure at Bit				19.75												
Nozzle Vol	36.4																	
Bit Press..	758	Check #1				Check #2												
Mud System	WaterBasedMud																	
Depth MD / TVD (m)	733	/	733			/												
Time Sample Taken	08:30																	
Flowline Temp (C)	21																	
Funnel Viscosity (sec/L)	32																	
Mud Density (kg/m3)	1045																	
Hyd. Grad. (kPa/m)	10.25																	
ECD (kg/m3)	1051																	
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER	8.0																	
Plastic Viscosity (mPa)	2.0																	
Yield Point (Pa)	1.4																	
Gel Strength (Pa) 10s/10min	0.5	/	0.5			/												
N Low / K low	0.50	/	0.22			/												
N Med / K med	0.49	/	0.24			/												
Filtrate (cm3/30min@700kPa)																		
Filter Cake (mm)																		
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)		@				@												
Filter Cake (mm)																		
Sand Content (%)																		
Total Solids (%)	2.8125																	
Carb. Solids (%)																		
Oil Content (%)																		
M.B.T. (kg/m3)	20																	
HGS (kg/m3) / %	0.00	/	0.0			/												
LGS (kg/m3) / %	73.14	/	2.8			/												
Drilled solids (kg/m3)	53.14																	
Bentonite (kg/m3)																		
Avg. Density (kg/m3)	2600																	
Alkalinity (PF/MF)	0.0	/	0.8			/												
Hydroxyl (mg/L)																		
Carbonate (mg/L)	0																	
Bicarbonate (mg/L)	952																	
Total Hardness (mg/L)	350																	
Chlorides (mg/L)	750																	
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 <input type="checkbox"/> HAC <input type="checkbox"/>																		
Polymer (kg/m3)																		
Current Activity		Drilling Ahead 200mm Intermediate Hole - Floc																
Date	February 10, 2010																5	
Spud Date	February 6, 2010																4	
Location	F-77-60/10-11-15																	
Contractor	Precision 245																	
Report for	Erick Bigras																	
Report for	Hale Yardley																	
Drilling Assembly																		
Open Hole	92.5	TUR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ann Vol.	17.0	BTM's Up	16	
Length	68.0																	
Ann Vol.	17.0																	
Line																		
Ann Vol.																		
Casing																		
Flow																		
Flow																		
Ann Vol.																		
Pipe Cap																		
3.6																		
Circulation Time																		
Total																		
61																		
V.G. Readings		Solids Control Equipment																
Test	#1	#2																
Type																		
Name																		
Screen Size																		
Screen Size																		
Screen Size																		
Screen Size																		
Model																		
F-800																		
F-800																		
Pump Data																		
Model																		
F-800																		
F-800																		
Summary of Activity - Comments, Observations, Pilot Tests																		
Remarks: Hole conditions tripping & drilling. Cuttings description; Torque & drag; Reaming; Bridges; etc.																		
Feb 9 2010: Prepare to RIH. P/U tools. Tagged cement at 363m. Drilled cement to 379m. Drilled out shoe and 200mm intermediate hole with floc water from 379m to 579m at midnight.																		
Feb 10 2010: Continue drilling ahead from 579m to 373m with seepage losses. Mixed sawdust as needed. Weight climbing, calcium low. Recommend increased Cal Nitrate additions and Alka Pam 1103 additions to strip solids out of system.																		
1) Fill one centrifuge injection tank w/4m3. Mix in 16-20 visc cups of Alkamix 1103RD and allow to hydrate																		



Drilling Fluid Report

Well Name	Para Cameron Hills
Operator	Paramount Resources
Report For	Hale Yardley
Report For	Hale Yardley

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 the 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.



Drilling Fluid Report

Well Name	Para Cameron Hills		
Operator	Paramount Resources		
Report For	Hale Yardley		
Report For	Hale Yardley		

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 %	5
Bit No.	1	Type	ID	OD	Set at (m)	Type	ID	OD	Length	Open Hole Ann Vel.	Line Ann Vel.	Casing Ann Vel.	Flow	Pipe Cap	7.5	Circulation Time	
Bit Size (mm)	200	Surface	206.0	219.0	379.0	D.C.	65.0	158.0	68.0	76.6	LAM	N/A	N/A	Ann Vol.	34.1	BTM's Up	36
Type	DSX426m					H.W.D.P.	65.0	102.0	150.0	38.9	LAM	N/A	N/A	Tank	8.5	Total	53
Nozzles (mm)						D.P.	85.0	102.0	1202.0	38.9	LAM	N/A	37.8	LAM	Tot. Circ. Vol	50.2	Water Added
N1:	12	N2:	12												Open Hole	33.9	Mud Lost
N3:	12	N4:	12														
N5:	12	N6:	12														
N7:		N8:															
TFA	679																
Depth In	379																
Depth Out																	
Hrs. on Bit	52.0																
Drill Rate																	
R.P.M.	93																
WOB (daN)	5																
Nozzle Vol	23.3																
Bit Presa...	314																
		Check #1					Check #2										
Mud System	WaterBasedMud																
Depth MD / TVD (m)	1415	/	1415	1420	/	1420											
Time Sample Taken				17.00		20.36											
Flowline Temp (C)																	
Funnel Viscosity (secL)	62			67													
Mud Density (kg/m3)	1040			1040													
Hyd. Grad. (kPa/m)	10.20			10.20													
ECD (kg/m3)	1099			1107													
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER	10.0			9.5													
Plastic Viscosity (mPa)	12.0			15.0													
Yield Point (Pa)	15.8			19.2													
Gel Strength (Pa) 10s/10min	7.0	/	8.5	8.5	/	10.0											
N Low / K low	0.29	/	6.80	0.28	/	8.85											
N Med / K med	0.34	/	5.37	0.35	/	6.29											
Filtrate (cm3/30min@700kPa)	6.0			6.0													
Filter Cake (mm)	0.5			0.5													
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@			@													
Filter Cake (mm)																	
Sand Content (%)	.25			.25													
Total Solids (%)	2.5			2.5													
Cor. Solids (%)																	
Oil Content (%)																	
M.B.T. (kg/m3)	20			15													
HGS (kg/m3) / %	0.00	/	0.0	0.00	/	0.0											
LGS (kg/m3) / %	65.01	/	2.5	65.01	/	2.5											
Drilled solids (kg/m3)	45.01			50.01													
Bentonite (kg/m3)																	
Avg. Density (kg/m3)	2600			2600													
Alkalinity (PF/IMF)	0.1	/	0.8	0.1	/	0.8											
Hydroxyl (mg/L)																	
Carbonate (mg/L)	168			168													
Bicarbonate (mg/L)	610			586													
Total Hardness (mg/L)	800			800													
Chlorides (mg/L)	1700			1700													
Potassium (mg/L)																	
0.2 N HCl / 2.0 N HCl (cc's)	/			/													
Silicate % v/v / Silicate %	/			/													
Clear Fluid Density (kg/m3)	1000			1000													
SiO2/K2O Ratio																	
Soluble Sulfides <input type="checkbox"/> HAC <input type="checkbox"/>																	
Polymer (kg/m3)	0.50			0.50													
Cost Information		Marquis Alliance Representatives				Materials Used Since Last Check											



Drilling Fluid Report

Well Name	Para Cameron Hills		
Operator	Paramount Resources		
Report For	Hale Yardley		
Report For	Hale Yardley		

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 %		
Bd No.	1	Type	ID	OD	Set at(m)	Type	ID	OD	Length	Open Hole	Liner	Casing	Pipe Cap	18.5	Circulation Time			
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.P.	129.0	139.7	1417.0	62.7	LAM	N/A	56.1	LAM	Ann Vol.	23.5	BTM's Up	23
Type	DSX426m					Other				N/A	N/A	N/A	Tank	8.5	Total	50		
Nozzles (mm)						Other				N/A	N/A	N/A	Tot. Circ. Vol	50.5	Water Added			
N1:	12	N2:	12										Open Hole	32.6	Mud Lost			
N3:	12	N4:	12															
N5:	12	N6:	12															
N7:		N8:																
TFA	679																	
Depth In	379																	
Depth Out																		
Hrs. on Blk.	52.0																	
Drill Rate																		
R.P.M.	93	HHP			7.99													
WOB (daN)	5	% Pressure at Bl.			9.11													
Nozzle Vol	24.8																	
Bit Press..	354	Check #1			Check #2													
Mud System	WaterBasedMud																	
Depth MD / TVD (m)	1417	/	1417															
Time Sample Taken	14:45																	
Flowline Temp (C)	27																	
Funnel Viscosity (sec/L)	50																	
Mud Density (kg/m3)	1040																	
Hyd. Grad. (kPa/m)	10.20																	
ECD (kg/m3)	1113																	
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> METER	9.5																	
Plastic Viscosity (mPa.s)	15.0																	
Yield Point (Pa)	10.1																	
Gel Strength (Pa) 10s/1min	6.5	/	8.0		/													
N Low / K low	0.41	/	2.58		/													
N Med / K med	0.50	/	1.57		/													
Filtrate (cm3/30min@700kPa)	8.0																	
Filter Cake (mm)	0.5																	
HTHP FILTRATE @ C (cm3/30 min. @ 3500 kPa)	@				@													
Filter Cake (mm)																		
Sand Content (%)																		
Total Solids (%)	2.5																	
Corr. Solids (%)																		
Oil Content (%)																		
M.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)	0.1	/	0.6		/													
Hydroxyl (mg/L)																		
Carbonate (mg/L)	156																	
Bicarbonate (mg/L)	366																	
Total Hardness (mg/L)	600																	
Chlorides (mg/L)	1100																	
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 <input type="checkbox"/> HAC <input type="checkbox"/>																		
Polymer (kg/m3)	0.25																	
Products			Products			Products			Products			Products			Products			
T.S.R			Shannon Williams			Trucking Company												
Cell			780-691-2295			Warehouse												
Pager/Home #			780-895-2688			Phone #												



Drilling Fluid Report

Well Name	Para Cameron Hills		
Operator	Paramount Resources		
Report For	Hale Yardley		
Report For	Hale Yardley		

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 Vol.	Liner Ann Vol.	Casing Ann Vol.	Pipe Cap	18.5	Circulation Time		
Bit Size(mm)	200	Surface	206.0	219.0	379.0	D.P.	129.0	139.7	1417.0	62.7	N/A	56.1	N/A	Ann Vol.	23.5	BTM's Up	23
Type	DSX426m					Other				N/A	N/A	N/A	Tank	8.5	Total	50	
Nozzles (mm)										N/A	N/A	N/A		Tot. Circ. Vol	50.5	Water Added	
N1:	12	N2:	12										Open Hole	32.6	Mud Lost		
N3:	12	N4:	12														
N5:	12	N6:	12														
N7:		N8:															
TFA	679																
Depth In	379																
Depth Out																	
Hrs. on Bit.	52.0																
Drill Rate																	
R.P.M.	93	HHP			0.00												
WOB (daN)	5	% Pressure at Bit			0.00												
Nozzle Vol	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...																	
Recommended Treatment - Suggestions																	
WHMIS: PROTECTIVE CLOTHING REQUIRED WHEN MIXING CHEMICALS. REFER TO MSDS'S/LABELS FOR MORE INFORMATION.																	
Mud System	WaterBasedMud																
Depth MD / TVD (m)	1417	/	1417		/												
Time Sample Taken	10:37																
Flowline Temp (C)																	
Funnel Viscosity (sec/L)																	
Mud Density (kg/m3)																	
Hyd. Grad. (kPa/m)																	
ECD (kg/m3)	0																
pH <input checked="" type="checkbox"/> STRIP <input type="checkbox"/> 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 (%)																	
Cat. 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																
Cost Information																	
	Cost Since Last Check				\$1,858.80				Total Cost to Date				\$39,173.02				
Marquis Alliance Representatives																	
SiO2:K2O Ratio					T.S.R				Shannon Williams				Trucking Company				
Soluble Sulfides <input type="checkbox"/> HAC <input type="checkbox"/>					Cell				780-691-2295				Warehouse				
Polymer (kg/m3)					Pager/Home #				780-895-2688				Phone #				



Daily Completion and Workover

PARA ET AL CAMERON F-77

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 2/28/2010

Report #: 1.0

Total AFE Amount: 251,680.00

AFE Number: 10N020023

Daily Cost Total: 36,887

Cum Cost to Date: 36,887

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Well Configuration Type VERT	Casing Flange Elevation (m) 721.72	Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92
Last Casing String Production, 1,417.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective

Evaluate sulphur point dolomite as potential oil well .

Operations Summary

Move rig and equipment from M - 74 to F - 77 , rig in equipment . Run into hole bit and scrapper , displace to clean KCL ware . POOH tubing and bond log casing .

Operations Next Report Period

Swab down casing

Road Condition good	Weather Sunny	Start Date 2/28/2010	End Date 3/4/2010
------------------------	------------------	-------------------------	----------------------

Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
------------	-----------------------------	---------------------------------

Daily Contacts

Title	Job Contact	Mobile
Rig Manager	Dwayne Palmer	403 357 - 6841
Consultant	Kim MacLeod	780 542 - 1897
P Enginer	Dick Heenan	403 818 - 4408

Time Log

Start Time	End Time	Dur. (hrs)	Cum Dur. (hrs)	Comment
07:00	07:30	0.50	0.50	Crew change , held pre - job safety meeting on moving rig equipment on ice roads .
07:30	11:30	4.00	4.50	Move rig equipment to F - 77 , spot 2 - 60m3 tanks with bed truck . Un - load 36m3 into clean tank , spot rig mats and cat walk pipe racks with picker .
11:30	13:30	2.00	6.50	Rig up rig , pump , tank and boiler . Rig in vessel and flare stack , spot air trailer at front of location . Perform surface casing vent flow test , monitor for 15 minutes no bubbles .
13:30	15:00	1.50	8.00	Nipple down well head , remove tubing hanger . Stump test class III BOP stack , 2,000 kPa low and 21,000 kPa . Nipple up class III BOP stack , function and pressure test . Low pressure test 2,000 kPa , high pressure test 21,000 kPa .
15:00	16:00	1.00	9.00	Rig up work floor and tubing equipment , pressure test casing to 14,000 kPa . Monitor for 15 minutes good test . Make up bit and scrapper on cat walk .
16:00	18:30	2.50	11.50	Run into hole with bit and scrapper , 151 - joint's yellow band tubing . Tally and drift on way into hole , tag fill @ 1404mKB .
18:30	19:00	0.50	12.00	Rig up pump lines , pressure test lines to 21,000 kPa . good test . Rig in circulating head to tubing .
19:00	19:30	0.50	12.50	Crew change , held pre - job safety meeting on pumping procedures and high pressure lines .
19:30	22:00	2.50	15.00	Pull out of hole standing in derrick , lay down onto cat walk bit and scrapper .
22:00	00:00	2.00	17.00	Rig in pure energy e - line truck , held safety meeting with all personal on location . Run into hole with CBL bond log , tag plug back @ 1400.05mKB log from PBTD to surface , cement top @ surface . Good cement to surface ,
00:00	00:00	0.00	17.00	Finish logging to surface , rig down e - line truck . Stand - by on location . Swab down casing to 1150m

Report Fluids Summary

Fluid	To well (m ³)	From well (m ³)	Cum from Well (m ³)	Left to recover (m ³)
Water	33.00	17.00	17.00	16.00

Perforations

Date	Zone	Top (mKB)	Bitn (mKB)	Current Status
3/1/2010	Sulphur Point, Original Hole	1,366.00	1,370.50	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	379.00
Production	J-55	20.834	1,417.00



Daily Completion and Workover

PARA ET AL CAMERON F-77

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/1/2010

Report #: 2.0

Total AFE Amount: 251,680.00

AFE Number: 10N020023

Daily Cost Total: 47,987

Cum Cost to Date: 84,874

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Well Configuration Type VERT	Casing Flange Elevation (m) 721.72	Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92
Last Casing String Production, 1,417.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective

Evaluate sulphur point dolomite as potential oil well .

Operations Summary

Perforate sulphur point , run into hole production string , land @ 1390m . Swab to evaluate .

Operations Next Report Period

Continue swabbing

Road Condition good	Weather Sunny	Start Date 2/28/2010	End Date 3/4/2010
Head Count	Personnel Total Hours (hrs)		Cum Personnel Total Hours (hrs)

Daily Contacts

Title	Job Contact	Mobile
Rig Manager	Dwayne Palmer	403 357 - 6841
Consultant	Kim MacLeod	780 542 - 1897
P Enginer	Dick Heenan	403 818 - 4408

Time Log

Start Time	End Time	Dur. (hrs)	Cum Dur. (hrs)	Comment
00:01	01:30	1.49	1.49	Finish logging to surface , rig down e - line truck . Stand by on location .
01:30	06:00	4.50	5.99	Rig in casing swab equipment , swab to rig tank
06:00	07:00	1.00	6.99	Rig in pure energy e - line truck .
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on e - line procedures . Walk around rig equipment .
07:30	10:00	2.50	9.99	Finish rigging in Pure Energy e - line truck , held safety meeting with all personal on location . Run into hole with 101.6mm 4.5m gun , ERHSC 25 SDP , 17 SPM , 60 degree phasing . Total shots 79 , log into place @ 1366m - 1370.5mKB . Fire gun , pull out of hole . SICP @ 7 kPa . Rig down and release E - line truck . Continue monitoring pressure SICP @ 46 kPa after 1 - hour .
10:00	12:30	2.50	12.49	Bleed off casing to rig tank , confirmed sweet gas . Run into hole with re - entry guide , 1 - joint tubing , 1 - perforated pup joint , pump seating nipple , 4 - joint's tubing , tubing anchor (shear set @ 40,000 daN) , 142 - joint's , 2 - pup joint's , 1 - joint tubing , tubing hanger . Land tubing hanger , T.E @ 1390.15mKB , PSN @ 1380.52mKB , Tubing anchor @ 1343.75mKB
12:30	19:00	6.50	18.99	Rig in swab equipment swab to vessel , first swab tag fluid level 1100m . Recovered .84m3 , .72m3 water , .13m3 oil . Continue swabbing to vessel
19:00	19:30	0.50	19.49	Crew change , held pre - job safety meeting on swabbing procedures .
19:30	23:59	4.48	23.97	Continue pulling 1 - hour swabs , total swabs today - 13 , total fluided recovered 7.66m3 (.14m3 oil , 7.52m3 water)
23:59	23:59	23.97		Continue pulling 1 - hour swabs

Report Fluids Summary

Fluid	To well (m ³)	From well (m ³)	Cum from Well (m ³)	Left to recover (m ³)
Water			17.00	16.00

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/1/2010	Sulphur Point, Original Hole	1,366.00	1,370.50	

Tubing Components

Item	Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	379.00
Production	J-55	20.834	1,417.00



Daily Completion and Workover

PARA ET AL CAMERON F-77
Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/2/2010

Report #: 3.0

Total AFE Amount: 251,680.00

AFE Number: 10N020023

Daily Cost Total: 27,016

Cum Cost to Date: 111,890

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Well Configuration Type VERT	Casing Flange Elevation (m) 721.72	Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92
Last Casing String Production, 1,417.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0
Objective Evaluate sulphur point dolomite as potential oil well .			
Operations Summary Swab to 11:00 Am , kill well . Pull out of hole with tubing . Note : Road bands on today			
Operations Next Report Period Run into hole with tubing set Bridge plug			
Road Condition good	Weather Sunny	Start Date 2/28/2010	End Date 3/4/2010
Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)	

Daily Contacts

Title	Job Contact	Mobile
Rig Manager	Dwayne Palmer	403 357 - 6841
Consultant	Kim MacLeod	780 542 - 1897
P Enginer	Dick Heenan	403 818 - 4408

Time Log

Start Time	End Time	Dur.(hrs)	Cum Dur.(hrs)	Comment
00:01	07:00	6.99	6.99	Continue swabbing to vessel , total fluid recovered to date 10.49m3 (10.35m3 water , .14m3 oil) .
07:00	07:30	0.50	7.49	Crew change , held pre - job safety meeting on swabbing procedures .
07:30	11:30	4.00	11.49	Confirm with calgary , shut down swabbing . Total swabs pulled - 23 , total fluid recovered to date 11.84m3 (11.7m3 water , .14m3 oil) . Rig down swab , rig in pump lines .
11:30	13:00	1.50	12.99	Pressure test lines , rig in testers to casing . Foward circulate 18m3 , returns @ 15m3 . Shut down pump , monitor well 15 minutes confirm dead .
13:00	15:30	2.50	15.49	Pull out of hole laying down onto pipe racks , clean up work floor . Close and lock blind rams .
15:30	19:00	3.50	18.99	Clean up around work floor , drain pump lines . Tranfer fluid out of vessel , monitor pressure on well .
19:00	19:30	0.50	19.49	Crew change , held pre - job safety meeting on road bands . Walk around equipment .
19:30	01:00	5.50	24.99	Service rig equipment , wait on road bands .

Report Fluids Summary

Fluid	To well (m ³)	From well (m ³)	Cum from Well (m ³)	Left to recover (m ³)
Water	18.00	14.70	31.70	19.30

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/1/2010	Sulphur Point, Original Hole	1,366.00	1,370.50	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	379.00
Production	J-55	20.834	1,417.00



Daily Completion and Workover

PARA ET AL CAMERON F-77
Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/3/2010

Report #: 4.0

Total AFE Amount: 251,680.00

AFE Number: 10N020023

Daily Cost Total: 30,842

Cum Cost to Date: 142,732

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Well Configuration Type VERT	Casing Flange Elevation (m) 721.72	Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92
Last Casing String Production, 1,417.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective

Evaluate sulphur point dolomite as potential oil well .

Operations Summary

Run into hole bridge plug on tubing , set bridge plug . Pull out of hole tubing , rig down rig and equipment .

Operations Next Report Period

Rig in wireline , bail cement .

Road Condition good	Weather Cloudy	Start Date 2/28/2010	End Date 3/4/2010
Head Count	Personnel Total Hours (hrs)		Cum Personnel Total Hours (hrs)

Daily Contacts

Title	Job Contact	Mobile
Rig Manager	Dwayne Palmer	403 357 - 6841
Consultant	Kim MacLeod	780 542 - 1897
P Enginer	Dick Heenan	403 818 - 4408

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 tripping into hole weatherford bridge plug . Walk around equipment .
07:30	08:30	1.00	1.50	Check pressure on well SICP 0 kPa , un - lock blind rams . Make up on cat walk weatherford bridge plug C / W collar locator .
08:30	10:30	2.00	3.50	Run into hole with weatherford bridge plug , click collar to confirm depth . Set weatherford bridge plug @ 1360.95mCE , pressured up to 7,000 kPa . Released off bridge plug , pick up 2m confirm off bridge plug
10:30	11:30	1.00	4.50	Pump inhibitor down tubing , circulate inhibitor . Shut in casing , pressure test bridge plug to 17,000 kPa . Monitor for 15 minutes , good test . Bleed off pressure , rig down pump lines .
11:30	14:00	2.50	7.00	Pull out of hole laying down onto pipe racks , lay down weatherford tool's onto cat walk .
14:00	16:00	2.00	9.00	Rig down tubing equipment and work floor , remove tarps . Nipple down class III BOP stack , pump 200L deisel into casing . Nipple up well head and pressure test rig seal 5,000 kPa , monitor for 15 minutes good test .
16:00	19:00	3.00	12.00	Rig down rig , pump , tank and boiler . Rig down vessel and flare stack , clean up around well head .

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Water			31.70	19.30

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/1/2010	Sulphur Point, Original Hole	1,366.00	1,370.50	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	379.00
Production	J-55	20.834	1,417.00



Daily Completion and Workover

PARA ET AL CAMERON F-77

Rig: Concord Well Service

Business Unit: NE BC & NWT COU

Report Date: 3/4/2010

Report #: 5.0

Total AFE Amount: 251,680.00

AFE Number: 10N020023

Daily Cost Total: 38,600

Cum Cost to Date: 181,332

API/UWI 300/F-77/6010-11715/0	Surface Legal Location F-77/6010-11715/0	Field Name CAMERON HILLS	License No. 2065
Well Configuration Type VERT	Casing Flange Elevation (m) 721.72	Ground Elevation (m) 720.17	Original KB Elevation (m) 725.92
Last Casing String Production, 1,417.00mKB	PBTD (All) (mKB)	Casing Pressure (kPa)	Tubing Pressure (kPa)

Objective

Evaluate sulphur point dolomite as potential oil well .

Operations Summary

Rig up e - line truck and picker . Bail cement on top of bridge plug .

Operations Next Report Period

Hand - over to production

Road Condition good	Weather Cloudy	Start Date 2/28/2010	End Date 3/4/2010
------------------------	-------------------	-------------------------	----------------------

Head Count	Personnel Total Hours (hrs)	Cum Personnel Total Hours (hrs)
------------	-----------------------------	---------------------------------

Daily Contacts

Title	Job Contact	Mobile
Rig Manager	Dwayne Palmer	403 357 - 6841
Consultant	Kim MacLeod	780 542 - 1897
P Enginer	Dick Heenan	403 818 - 4408

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
01:30	02:00	0.50	0.50	Held pre - job safety meeting on E - line procedures and picker procedures .
02:00	03:00	1.00	1.50	Rig in Pure Energy E - line truck and picker truck , remove well head . Install flange on tubing spool .
03:00	06:00	3.00	4.50	Run into hole with cement bailer 3 - runs , bail 30m cement on top of bridge plug @ 1360m . Rig down and release picker truck , e - line truck spot on L - 29 .

Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Water			31.70	19.30

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
3/1/2010	Sulphur Point, Original Hole	1,366.00	1,370.50	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	K-55	35.716	379.00
Production	J-55	20.834	1,417.00



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 28-Feb-2010	Report No: CWS-041-60-3-100	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location	Paramount et al Cameron F-77	Prov: NT	MWO#: AFE#:
Well Depth 1455	Csg Size 139.7	Lease Conditions Good	Lease Temperature -2	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press n/a	Casing Press Dead	kPa kPa2

From	To	Time	Details Of Operation
07:00	12:00	5:00	Crew change at 07:00 am. 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. Assist picker to load all support equipment. Move rig and equipment to F-77 lease entrance. Chain up all equipment. Move onto location.
12:00	14:00	2:00	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, E-kills, and air horn. (Good) Fill and fire boiler, heat kill fluid and wellhead. Rig in accumulator lines and class 3 system. Complete vent flow bubble test. No bubbles.
14:00	15:00	1:00	Stump test BOPs to 2000 and 21000 kPa for 10 min ea. (Good)
15:00	16:00	1:00	Remove wellhead and install BOP stack. Pressure test BOPs to 2000 kPa and 21000 kPa for 10 min ea. (Good) Rig in work floor, power tongs and air slips. Rig in and pressure test csg to 14,000 kPa for 15 min. (Good) Prepare to trip tbg.
16:00	18:30	2:50	Tally, assemble and RIH w/bit and csg scraper.
18:30	19:30	1:00	Rig in and reverse circulate well over to filtered KCL. Pump 17.0 m3 total.
19:30	21:30	2:00	POOH and stand 150 jts of 73mm tbg. Lay out csg scraper.
21:30	23:59	2:50	Rig in Pure Energy. Hold pre-job safety meeting. RIH w/CBL bond log. Tag PBT @ 1400.5 mKB. Cement top @ surface. Rig out wireline unit.

Safety / BOP		Basic Well Servicing Costs																																																																																	
Meeting Details:						Basic Well Costs Total: \$14,081.50																																																																													
Rig move. Spot and rig up.																																																																																			
Pressure test and install BOPs.																																																																																			
Tripping tbg. Circulate well to clean KCL.																																																																																			
<input checked="" type="checkbox"/> BOP Drill <input checked="" type="checkbox"/> Daily Walk around Inspection <input checked="" type="checkbox"/> Emergency Airhorn Tested <input checked="" type="checkbox"/> Crown Saver Tested <input checked="" type="checkbox"/> Rig Motor Shut-off <input checked="" type="checkbox"/> Pump Motor Shut-off <input checked="" type="checkbox"/> Lockout System Compliance <input type="checkbox"/> Anchors Installed/Guylines secured <input type="checkbox"/> Escape Buggy Installed <input checked="" type="checkbox"/> KillLine Connected/Secured <input type="checkbox"/> Power to PumpJack Off/Secured <input checked="" type="checkbox"/> Rig and Equip. Bonded to Wellhead <input checked="" type="checkbox"/> Mains and Drum Brake Linkage <input checked="" type="checkbox"/> Self-Retracting Lifelines Tested <input checked="" type="checkbox"/> Fall Arrest Harnesses Inspected <input checked="" type="checkbox"/> Lanyards Inspected <input type="checkbox"/> Rod B.O.P Function Test <input checked="" type="checkbox"/> Pipe Function Tested <input checked="" type="checkbox"/> Blind Function Tested <input checked="" type="checkbox"/> Annular Function Tested <input checked="" type="checkbox"/> Ram Saver Function Tested <input type="checkbox"/> B.O.P. Remote Function Tested <input checked="" type="checkbox"/> Accumulator pre-charge checked		<table border="1"> <thead> <tr> <th>Description</th> <th>Unit</th> <th>Qty</th> <th>Rate</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Rig Hours Operating</td> <td>Hour</td> <td>17</td> <td>\$615.00</td> <td>\$10,455.00</td> </tr> <tr> <td>Rig O/T After 8 Hrs(NWT)</td> <td>Hour</td> <td>8</td> <td>\$210.00</td> <td>\$1,680.00</td> </tr> <tr> <td>Rig Manager (110Km Min)</td> <td>Km</td> <td>110</td> <td>\$1.05</td> <td>\$115.50</td> </tr> <tr> <td>Crew Vehicle (110 Km Min)</td> <td>Km</td> <td>220</td> <td>\$1.05</td> <td>\$231.00</td> </tr> <tr> <td>Boiler (fuel out) 24 Hr BC</td> <td>Day</td> <td>1</td> <td>\$1,600.00</td> <td>\$1,600.00</td> </tr> </tbody> </table>					Description	Unit	Qty	Rate	Total	Rig Hours Operating	Hour	17	\$615.00	\$10,455.00	Rig O/T After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00	Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50	Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00	Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																															
Description	Unit	Qty	Rate	Total																																																																															
Rig Hours Operating	Hour	17	\$615.00	\$10,455.00																																																																															
Rig O/T After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00																																																																															
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50																																																																															
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00																																																																															
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																																																															
Expendables Costs		Expendables Costs																																																																																	
		<table border="1"> <thead> <tr> <th>Description</th> <th>Qty</th> <th>Rate</th> <th>Total</th> </tr> </thead> </table>					Description	Qty	Rate	Total																																																																									
Description	Qty	Rate	Total																																																																																
		Expendable Cost Total: \$0.00																																																																																	
Third Party Cost		Third Party Cost																																																																																	
		<table border="1"> <thead> <tr> <th>Item</th> <th>Description</th> <th>Qty</th> <th>Amount</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td></td> <td>Personal Monitors</td> <td>5</td> <td>\$30.00</td> <td>\$150.00</td> </tr> <tr> <td></td> <td>Well Site Radios</td> <td>8</td> <td>\$7.00</td> <td>\$56.00</td> </tr> <tr> <td></td> <td>Csg scraper 5 day min</td> <td>1</td> <td>\$550.00</td> <td>\$550.00</td> </tr> </tbody> </table>					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																																																									
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																																																																															
Rig Crew		Rig Crew																																																																																	
		<table border="1"> <thead> <tr> <th>Position</th> <th>Truck km</th> <th>Travel Time</th> <th>First Name</th> <th>Last Name</th> <th>Hours</th> <th>Safety Days</th> </tr> </thead> <tbody> <tr> <td>Rig Manager-NWT #</td> <td>110</td> <td></td> <td>Dwayne</td> <td>Palmer</td> <td>20</td> <td></td> </tr> <tr> <td>Driller-NWT #1</td> <td>110</td> <td></td> <td>Trevor</td> <td>Norton</td> <td>12</td> <td></td> </tr> <tr> <td>Driller-NWT #1</td> <td>110</td> <td></td> <td>Doug</td> <td>Palmer</td> <td>12</td> <td></td> </tr> <tr> <td>Derickhand-NWT #1</td> <td></td> <td></td> <td>John</td> <td>O'Reilly</td> <td>12</td> <td></td> </tr> <tr> <td>Derickhand-NWT #1</td> <td></td> <td></td> <td>Michael</td> <td>Trojan</td> <td>12</td> <td></td> </tr> <tr> <td>Floorhand-NWT #1</td> <td></td> <td></td> <td>Christopher</td> <td>Wilson</td> <td>12</td> <td></td> </tr> <tr> <td>Floorhand-NWT #1</td> <td></td> <td></td> <td>Scott</td> <td>Gregory</td> <td>12</td> <td></td> </tr> <tr> <td>Floorhand-NWT #1</td> <td></td> <td></td> <td>Michael</td> <td>Gabrijelcic</td> <td>12</td> <td></td> </tr> <tr> <td>Floorhand-NWT #1</td> <td></td> <td></td> <td>Shaun</td> <td>Beecher</td> <td>12</td> <td></td> </tr> <tr> <td>Boilerhand-NWT #1</td> <td>110</td> <td></td> <td>David</td> <td>Brandle</td> <td>12</td> <td></td> </tr> </tbody> </table>					Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days	Rig Manager-NWT #	110		Dwayne	Palmer	20		Driller-NWT #1	110		Trevor	Norton	12		Driller-NWT #1	110		Doug	Palmer	12		Derickhand-NWT #1			John	O'Reilly	12		Derickhand-NWT #1			Michael	Trojan	12		Floorhand-NWT #1			Christopher	Wilson	12		Floorhand-NWT #1			Scott	Gregory	12		Floorhand-NWT #1			Michael	Gabrijelcic	12		Floorhand-NWT #1			Shaun	Beecher	12		Boilerhand-NWT #1	110		David	Brandle	12	
Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days																																																																													
Rig Manager-NWT #	110		Dwayne	Palmer	20																																																																														
Driller-NWT #1	110		Trevor	Norton	12																																																																														
Driller-NWT #1	110		Doug	Palmer	12																																																																														
Derickhand-NWT #1			John	O'Reilly	12																																																																														
Derickhand-NWT #1			Michael	Trojan	12																																																																														
Floorhand-NWT #1			Christopher	Wilson	12																																																																														
Floorhand-NWT #1			Scott	Gregory	12																																																																														
Floorhand-NWT #1			Michael	Gabrijelcic	12																																																																														
Floorhand-NWT #1			Shaun	Beecher	12																																																																														
Boilerhand-NWT #1	110		David	Brandle	12																																																																														
Totals		Basic Well Cost Total : \$14,081.50 Expendables Cost Total : \$0.00 Third Party Cost Total : \$756.00 Subtotal: \$14,837.50 OC Initial GST(865-985469 RT003) : \$741.88 cpalience Estimated Total: \$15,579.38																																																																																	
Rig Time: 17		Stand By 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 01-Mar-2010	Report No: CWS-041-60-3-101	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location F-77	Prov: NT	MWO#: AEE#:	Cameron
Well Depth 1455	Csg Size 139.7	Lease Conditions Good	Lease Temperature -12	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press n/a Casing Press Dead	kPa kPa2	Charge Code 03

From	To	Time	Details Of Operation
00:00	01:30	1.50	Wireline continues to log well. Rig out wireline.
01:30	06:00	4.50	Rig in to csg swab well. Pull 17 swabs w/14.72 m3 returned to the rig tank.
06:00	09:00	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 @ 1150.0 mKB. Perforate Lower Point Dolomite 1366.0 - 1370.5 mKB. Rig out wireline unit.
09:00	10:00	1.00	Read and record pressures. Csg pressure builds to 49 kPa.
10:00	12:30	2.50	Bleed of csg and prepare to trip tbg. Assemble and RIH w/73mm tbg.
12:30	19:00	6.50	Rig in and swab well to test vessel. Pull 10 swabs w/6.06 m3 recovered.
19:00	23:59	5.00	Crew change. Continue to swab sour to testers. Pull 1 swab ever hour w/1.6 m3 recovered.

Safety / BOP

Meeting Details:

Csg swab non perforated well.
Wireline operations. Perforate well.
Tripping tbg. Swab/flow well.

<input type="checkbox"/> BOP Drill	Well Secure Time	45	sec
<input checked="" type="checkbox"/> Daily Walk around Inspection	SCBA Drill Date:	2/28/2010	
<input checked="" type="checkbox"/> Emergency Airhorn Tested	Number of SCBA's	2	
<input checked="" type="checkbox"/> Crown Saver Tested	Number of Fire Ext	4	
<input checked="" type="checkbox"/> Rig Motor Shut-off	Pump Relief Valve set @	21000	kPa
<input checked="" type="checkbox"/> Pump Motor Shut-off	Initial Accumulator Pres.:		kPa
<input checked="" type="checkbox"/> Lockout System Compliance	Final Accum. Pressure:		kPa
<input type="checkbox"/> Anchors Installed/Guylines secured	Piperams Proper Size:	73	
<input checked="" type="checkbox"/> Escape Buggy Installed	Piperams Tested		
<input checked="" type="checkbox"/> KillLine Connected/Secured	Low Pres:	kPa	min
<input type="checkbox"/> Power to PumpJack Off/Secured	High Pres:	kPa	min
<input checked="" type="checkbox"/> Rig and Equip. Bonded to Wellhead	Annular Tested		
<input checked="" type="checkbox"/> Mains and Drum Brake Linkage	Low Pres:	kPa	min
<input checked="" type="checkbox"/> Self-Retracting Lifelines Tested	High Pres:	kPa	min
<input checked="" type="checkbox"/> Fall Arrest Harnesses Inspected	Blindrams Tested		
<input checked="" type="checkbox"/> Lanyards Inspected	Low Pres:	kPa	min
<input type="checkbox"/> Rod B.O.P Function Test	High Pres:	kPa	min
<input checked="" type="checkbox"/> Pipe Function Tested	Safety Valve Tested		
<input checked="" type="checkbox"/> Blind Function Tested	Low Pres:	kPa	min
<input type="checkbox"/> Annular Function Tested	High Pres:	kPa	min
<input checked="" type="checkbox"/> Ram Saver Function Tested	Pump Manifold Valves Tested		
<input type="checkbox"/> B.O.P. Remote Function Tested	Low Pres:	kPa	min
<input type="checkbox"/> Accumulator pre-charge checked	High Pres:	kPa	min

Tubing Memo

73mm Wireline re-entry guide 0.13m
1 jt of 73mm tbg 8.55m
Perforated pup jt 0.62m
PSN 0.33m
4 jts of 73mm tbg 36.77m
Tbg anchor 0.91m
142 jts of 73mm tbg 1323.47m
73mm tbg pup jt 2.48m
73mm tbg pup jt 3.12m
1 jt of 73mm tbg 9.46m
Tbg hanger 0.26m
KB only 4.05m

Fluids Memo

Rods Memo

Basic Well Servicing Costs

Description	Unit	Qty	Rate	Total
Rig Hours Operating	Hour	24	\$615.00	\$14,760.00
Rig O/F After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00
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: \$18,486.50

Expendables Costs

Description	Qty	Rate	Total
Sandline Inhibitor(lit)	5	\$15.00	\$75.00
Saver Rubber	4	\$16.00	\$64.00
73mm Swap Cup	4	\$35.00	\$140.00
140mm Csg Cup	9	\$20.00	\$180.00

Expendable Cost Total: \$459.00

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		Trevor	Norton	12	
Driller-NWT #1	110		Doug	Palmer	12	
Derrickhand-NWT #1			John	O'Reilly	12	
Derrickhand-NWT #1			Michael	Trojan	12	
Floorhand-NWT #1			Christopher	Wilson	12	
Floorhand-NWT #1			Scott	Gregory	12	
Floorhand-NWT #1			Michael	Gabrijelcic	12	
Floorhand-NWT #1			Shaun	Beecher	12	
Boilerhand-NWT #1	110		David	Brandle	12	

Totals Basic Well Cost Total : \$18,486.50

Expendables Cost Total : \$459.00

Third Party Cost Total : \$206.00

Subtotal: \$19,151.50

GST(865-985469 RT003) : \$957.58

Estimated Total: \$20,109.08

Rig Time: 24 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 02-Mar-2010	Report No: CWS-041-60-3-102	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Paramount et al Cameron Location F-77	Prov: NT	MWO#: AFE#: Cameron	
Well Depth 1455	Csg Size 139.7	Lease Conditions Good	Lease Temperature 2	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
00:00	07:00	7.00	Continue to pull hourly swabs. Pull 7 swabs w/2.83 m3 recovered.
07:00	12:00	5.00	Continue to pull hourly swabs. Pull 4 swabs, w/1.76 m3 recovered.
12:00	13:00	1.00	Bleed off csg to testers. Rig in and forward circulate well to testers. Pump 18.0 m3 w/m3 recovered. Well dead.
13:00	16:00	3.00	POOH sideways w/73mm tbg.
16:00	19:00	3.00	Wait on wireline.
19:00	23:59	5.00	Crew change. Continue to wait on wireline unit. Wireline can't make it tomorrow. Stand tbg in the derrick, set-up for tbg run bridge plug.

SDFN.
Note: night shift is released.

Safety / BOP			Basic Well Servicing Costs																																																																																	
Meeting Details: Swab sour well to testers. Tripping tbg. Wait on wireline unit.			<table border="1"> <thead> <tr> <th>Description</th><th>Unit</th><th>Qty</th><th>Rate</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Rig Hours Operating</td><td>Hour</td><td>24</td><td>\$615.00</td><td>\$14,760.00</td></tr> <tr> <td>Rig O/T After 8 Hrs(NWT)</td><td>Hour</td><td>8</td><td>\$210.00</td><td>\$1,680.00</td></tr> <tr> <td>Rig Manager (110Km Min)</td><td>Km</td><td>110</td><td>\$1.05</td><td>\$115.50</td></tr> <tr> <td>Crew Vehicle (110 Km Min)</td><td>Km</td><td>220</td><td>\$1.05</td><td>\$231.00</td></tr> <tr> <td>Boiler (fuel out) 24 Hr BC</td><td>Day</td><td>1</td><td>\$1,600.00</td><td>\$1,600.00</td></tr> </tbody> </table>					Description	Unit	Qty	Rate	Total	Rig Hours Operating	Hour	24	\$615.00	\$14,760.00	Rig O/T After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00	Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50	Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00	Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																															
Description	Unit	Qty	Rate	Total																																																																																
Rig Hours Operating	Hour	24	\$615.00	\$14,760.00																																																																																
Rig O/T After 8 Hrs(NWT)	Hour	8	\$210.00	\$1,680.00																																																																																
Rig Manager (110Km Min)	Km	110	\$1.05	\$115.50																																																																																
Crew Vehicle (110 Km Min)	Km	220	\$1.05	\$231.00																																																																																
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																																																																
			Basic Well Costs Total: \$18,386.50																																																																																	
			Expendables Costs																																																																																	
			<table border="1"> <thead> <tr> <th>Description</th><th>Qty</th><th>Rate</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Saver Rubber</td><td>2</td><td>\$16.00</td><td>\$32.00</td></tr> <tr> <td>73mm Swap Cup</td><td>4</td><td>\$35.00</td><td>\$140.00</td></tr> </tbody> </table>					Description	Qty	Rate	Total	Saver Rubber	2	\$16.00	\$32.00	73mm Swap Cup	4	\$35.00	\$140.00																																																																	
Description	Qty	Rate	Total																																																																																	
Saver Rubber	2	\$16.00	\$32.00																																																																																	
73mm Swap Cup	4	\$35.00	\$140.00																																																																																	
			Expendable Cost Total: \$172.00																																																																																	
			Third Party Cost																																																																																	
			<table border="1"> <thead> <tr> <th>Item</th><th>Description</th><th>Qty</th><th>Amount</th><th>Total</th></tr> </thead> <tbody> <tr> <td></td><td>Personal Monitors</td><td>5</td><td>\$30.00</td><td>\$150.00</td></tr> <tr> <td></td><td>Well Site Radios</td><td>8</td><td>\$7.00</td><td>\$56.00</td></tr> </tbody> </table>					Item	Description	Qty	Amount	Total		Personal Monitors	5	\$30.00	\$150.00		Well Site Radios	8	\$7.00	\$56.00																																																														
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																																																																																	
			<table border="1"> <thead> <tr> <th>Position</th><th>Truck km</th><th>Travel Time</th><th>First Name</th><th>Last Name</th><th>Hours</th><th>Safety Days</th></tr> </thead> <tbody> <tr> <td>Rig Manager-NWT #</td><td>110</td><td>Dwayne</td><td>Palmer</td><td></td><td>20</td><td></td></tr> <tr> <td>Driller-NWT #1</td><td>110</td><td>Doug</td><td>Palmer</td><td></td><td>12</td><td></td></tr> <tr> <td>Driller-NWT #1</td><td>110</td><td>Trevor</td><td>Norton</td><td></td><td>9</td><td></td></tr> <tr> <td>Derrickhand-NWT #</td><td></td><td>John</td><td>O'Reilly</td><td></td><td>12</td><td></td></tr> <tr> <td>Derrickhand-NWT #</td><td></td><td>Michael</td><td>Trojan</td><td></td><td>9</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td>Christopher</td><td>Wilson</td><td></td><td>12</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td>Scott</td><td>Gregory</td><td></td><td>12</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td>Michael</td><td>Gabrijelic</td><td></td><td>9</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td>Shaun</td><td>Beecher</td><td></td><td>9</td><td></td></tr> <tr> <td>Boilerhand-NWT #1</td><td>110</td><td>David</td><td>Brandle</td><td></td><td>12</td><td></td></tr> </tbody> </table>					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	Trevor	Norton		9		Derrickhand-NWT #		John	O'Reilly		12		Derrickhand-NWT #		Michael	Trojan		9		Floorhand-NWT #1		Christopher	Wilson		12		Floorhand-NWT #1		Scott	Gregory		12		Floorhand-NWT #1		Michael	Gabrijelic		9		Floorhand-NWT #1		Shaun	Beecher		9		Boilerhand-NWT #1	110	David	Brandle		12	
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	Trevor	Norton		9																																																																															
Derrickhand-NWT #		John	O'Reilly		12																																																																															
Derrickhand-NWT #		Michael	Trojan		9																																																																															
Floorhand-NWT #1		Christopher	Wilson		12																																																																															
Floorhand-NWT #1		Scott	Gregory		12																																																																															
Floorhand-NWT #1		Michael	Gabrijelic		9																																																																															
Floorhand-NWT #1		Shaun	Beecher		9																																																																															
Boilerhand-NWT #1	110	David	Brandle		12																																																																															
Tubing Memo																																																																																				
Fluids Memo																																																																																				
Rods Memo																																																																																				
			Totals																																																																																	
			Basic Well Cost Total : \$18,386.50																																																																																	
			Expendable Cost Total : \$172.00																																																																																	
			Third Party Cost Total : \$206.00																																																																																	
			Subtotal: \$18,764.50																																																																																	
			OC Initial GST(865-985469 RT003) : \$938.23																																																																																	
			Estimated Total: \$19,702.73																																																																																	
			Rig Time: 24 Stand By Time: 0 Repair Time: 0																																																																																	
			Signatures Rig Manager's Signature: <input type="text"/> Operator's Representative: <input type="text"/>																																																																																	



A CCS Company
Concord Well Servicing
3606 Highway St, Valleyview, AB, T0H 3N0

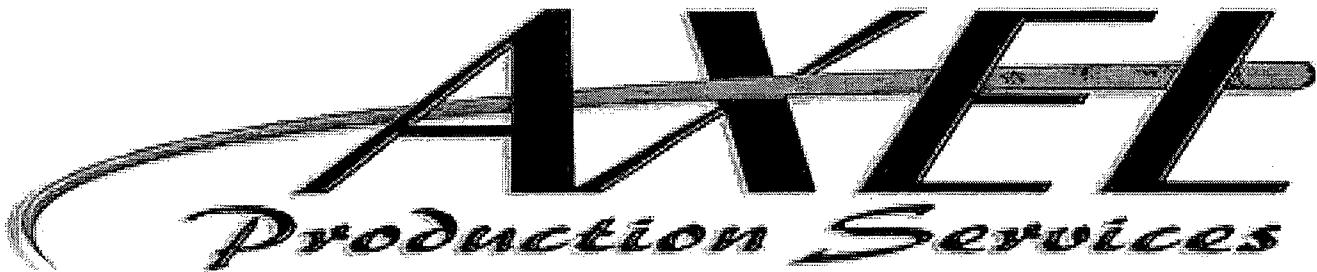
DAILY JOB REPORT

Rig No.: 041

Day on Well 4	Client Paramount Resources Ltd.	Date 03-Mar-2010	Report No: CWS-041-60-3-103	PO# Acct. No.
Operator Rep. Kim MacLeod	Well Name Location F-77	Prov: NT	MWO#: AFE#:	Cameron
Well Depth 1455	Csg Size 139.7	Lease Conditions Good	Lease Temperature 2	CC: Approver:
WellHead Connection 73 mm 21 MPa	GPS: H2S	Tubing Press n/a	Casing Press Dead	kPa kPa2

From	To	Time	Details Of Operation
00:00	01:00	1.00	Wait on road conditions. Night shift cannot move out @ midnight, wait until 1 am then travel home.
01:00	07:00	6.00	Fire boiler.
07:00	19:00	12.00	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. Prepare to run tbg. RIH w/tbg set bridge plug. Space out. Rig in and fill tbg. Pressure up to 7000 kPa and set plug. Continue to pump and fill hole. Pump 7.2m3 w/1.9 m3 returned to the vessel. Shut in and pressure test bridge plug to 17,000 kPa for 15 min. (Good) Remove BOPs and install wellhead. Pump 200 liters of diesel down csg. Pressure test wellhead to 5000 kPa (Good) Rig out rig and equipment. Cool and drain boiler. Rig out class 3 system.
19:00	23:59	5.00	Wait on trucks. Prepare for rig move.

Safety / BOP			Basic Well Servicing Costs																																																																																								
Meeting Details:			<table border="1"> <thead> <tr> <th>Description</th><th>Unit</th><th>Qty</th><th>Rate</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Rig Hours Operating</td><td>Hour</td><td>12</td><td>\$615.00</td><td>\$7,380.00</td></tr> <tr> <td>Rig O/T After 8 Hrs(NWT)</td><td>Hour</td><td>4</td><td>\$210.00</td><td>\$840.00</td></tr> <tr> <td>Rig Manager (110Km Min)</td><td>Km</td><td>110</td><td>\$1.05</td><td>\$115.50</td></tr> <tr> <td>Crew Vehicle (110 Km Min)</td><td>Km</td><td>2585</td><td>\$1.05</td><td>\$2,714.25</td></tr> <tr> <td>Travel Allowance</td><td>Hour</td><td>86</td><td>\$17.00</td><td>\$1,462.00</td></tr> <tr> <td>Extra Labour</td><td>Hour</td><td>16</td><td>\$65.00</td><td>\$1,040.00</td></tr> <tr> <td>Extra Labour O/T</td><td>Hour</td><td>12</td><td>\$85.00</td><td>\$1,020.00</td></tr> <tr> <td>Boilerhand Kms</td><td>Km</td><td>1175</td><td>\$1.05</td><td>\$1,233.75</td></tr> <tr> <td>Boiler (fuel out) 24 Hr BC</td><td>Day</td><td>1</td><td>\$1,600.00</td><td>\$1,600.00</td></tr> </tbody> </table>					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	2585	\$1.05	\$2,714.25	Travel Allowance	Hour	86	\$17.00	\$1,462.00	Extra Labour	Hour	16	\$65.00	\$1,040.00	Extra Labour O/T	Hour	12	\$85.00	\$1,020.00	Boilerhand Kms	Km	1175	\$1.05	\$1,233.75	Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																		
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	2585	\$1.05	\$2,714.25																																																																																							
Travel Allowance	Hour	86	\$17.00	\$1,462.00																																																																																							
Extra Labour	Hour	16	\$65.00	\$1,040.00																																																																																							
Extra Labour O/T	Hour	12	\$85.00	\$1,020.00																																																																																							
Boilerhand Kms	Km	1175	\$1.05	\$1,233.75																																																																																							
Boiler (fuel out) 24 Hr BC	Day	1	\$1,600.00	\$1,600.00																																																																																							
			Basic Well Costs Total: \$17,405.50																																																																																								
			Expendables Costs																																																																																								
			<table border="1"> <thead> <tr> <th>Description</th><th>Qty</th><th>Rate</th><th>Total</th></tr> </thead> </table>					Description	Qty	Rate	Total																																																																																
Description	Qty	Rate	Total																																																																																								
			Expendable Cost Total: \$0.00																																																																																								
			Third Party Cost																																																																																								
			<table border="1"> <thead> <tr> <th>Item</th><th>Description</th><th>Qty</th><th>Amount</th><th>Total</th></tr> </thead> </table>					Item	Description	Qty	Amount	Total																																																																															
Item	Description	Qty	Amount	Total																																																																																							
			Third Party Cost: \$206.00																																																																																								
			Rig Crew																																																																																								
			<table border="1"> <thead> <tr> <th>Position</th><th>Truck km</th><th>Travel Time</th><th>First Name</th><th>Last Name</th><th>Hours</th><th>Safety Days</th></tr> </thead> </table>					Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days																																																																													
Position	Truck km	Travel Time	First Name	Last Name	Hours	Safety Days																																																																																					
			<table border="1"> <tr> <td>Rig Manager-NWT #</td><td>110</td><td></td><td>Dwayne</td><td>Palmer</td><td>20</td><td></td></tr> <tr> <td>Driller-NWT #1</td><td>110</td><td></td><td>Doug</td><td>Palmer</td><td>12</td><td></td></tr> <tr> <td>Driller-NWT #1</td><td>1190</td><td>12</td><td>Trevor</td><td>Norton</td><td>1</td><td></td></tr> <tr> <td>Driller-NWT #1</td><td>1285</td><td>13</td><td>Glen</td><td>Woodworth</td><td>12</td><td></td></tr> <tr> <td>Demickhand-NWT #</td><td>12</td><td></td><td>Michael</td><td>Trojan</td><td>1</td><td></td></tr> <tr> <td>Demickhand-NWT #</td><td></td><td></td><td>John</td><td>O'Reilly</td><td>12</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td></td><td>Christopher</td><td>Wilson</td><td>12</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td></td><td></td><td>Scott</td><td>Gregory</td><td>12</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td>12</td><td></td><td>Michael</td><td>Gabrielcic</td><td>1</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td>12</td><td></td><td>Shaun</td><td>Beecher</td><td>1</td><td></td></tr> <tr> <td>Floorhand-NWT #1</td><td>13</td><td></td><td>Landon</td><td>Graham</td><td>12</td><td></td></tr> <tr> <td>Boilerhand-NWT #1</td><td>1175</td><td>12</td><td>David</td><td>Brandle</td><td></td><td></td></tr> </table>					Rig Manager-NWT #	110		Dwayne	Palmer	20		Driller-NWT #1	110		Doug	Palmer	12		Driller-NWT #1	1190	12	Trevor	Norton	1		Driller-NWT #1	1285	13	Glen	Woodworth	12		Demickhand-NWT #	12		Michael	Trojan	1		Demickhand-NWT #			John	O'Reilly	12		Floorhand-NWT #1			Christopher	Wilson	12		Floorhand-NWT #1			Scott	Gregory	12		Floorhand-NWT #1	12		Michael	Gabrielcic	1		Floorhand-NWT #1	12		Shaun	Beecher	1		Floorhand-NWT #1	13		Landon	Graham	12		Boilerhand-NWT #1	1175	12	David	Brandle		
Rig Manager-NWT #	110		Dwayne	Palmer	20																																																																																						
Driller-NWT #1	110		Doug	Palmer	12																																																																																						
Driller-NWT #1	1190	12	Trevor	Norton	1																																																																																						
Driller-NWT #1	1285	13	Glen	Woodworth	12																																																																																						
Demickhand-NWT #	12		Michael	Trojan	1																																																																																						
Demickhand-NWT #			John	O'Reilly	12																																																																																						
Floorhand-NWT #1			Christopher	Wilson	12																																																																																						
Floorhand-NWT #1			Scott	Gregory	12																																																																																						
Floorhand-NWT #1	12		Michael	Gabrielcic	1																																																																																						
Floorhand-NWT #1	12		Shaun	Beecher	1																																																																																						
Floorhand-NWT #1	13		Landon	Graham	12																																																																																						
Boilerhand-NWT #1	1175	12	David	Brandle																																																																																							
			Totals																																																																																								
			Basic Well Cost Total : \$17,405.50																																																																																								
			Expendables Cost Total : \$0.00																																																																																								
			Third Party Cost Total : \$206.00																																																																																								
			Subtotal: \$17,611.50																																																																																								
			OC Initial GST(865-985469 RT003) : \$880.58																																																																																								
			cpatlence Estimated Total: \$18,492.08																																																																																								
			Rig Time: 12 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 F-77

UWI: 60-10-117-15

FIELD: Cameron Hills

FORMATION: Lower Sulphur Point

Test/Prod Intervals: 1366.0 - 1370.5 mKB

TEST DATE (s): February 28 - March 3, 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

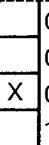
Fax: (403) 266-8617

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 F-77
 Unique Well ID (UWI): 60-10-117-15
 Surface Location: EUB Well License No.:
 Formation: Lower Sulphur Point Drilling Leg: 01
 Field: Cameron Hills

Well Fluid Type at Test Date:

 01 - Oil
 02 - Gas
 X 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:	3-Mar-10 11:00		
		Previous Gas Prod.:	0.0000 10 ³ m ³
		Gas Flared:	0.0000 10 ³ m ³
Test/Prod. Interval Top mKB (Log):	1366.00 m	Gas Incinerated:	0.0000 10 ³ m ³
Test/Prod. Interval Base mKB (Log):	1370.50 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 %
Atmospheric Pressure:	93.01 kPa	Carbon Dioxide (CO2):	0.0000 %
		Hydrogen Sulphide (H2S):	0.0000 %

Tap Type: Flanged

Tap Location: Downstream

Liquid Meter1

Liquid Type Indicator:	Water	<u>Liquid Meter2</u>	
Metering Device Type:	Produced Volume	Liquid Type Indicator:	Oil/Condensate
Tank Measurement Indicator:	Incremental pH: 7 Salinity: 104000 API (Oil Gravity):	Metering Device Type:	Produced Volume
		Tank Measurement Indicator:	Incremental

PRD File Name: F-77-Lower Sulphur Point-PRD-2010-03-03

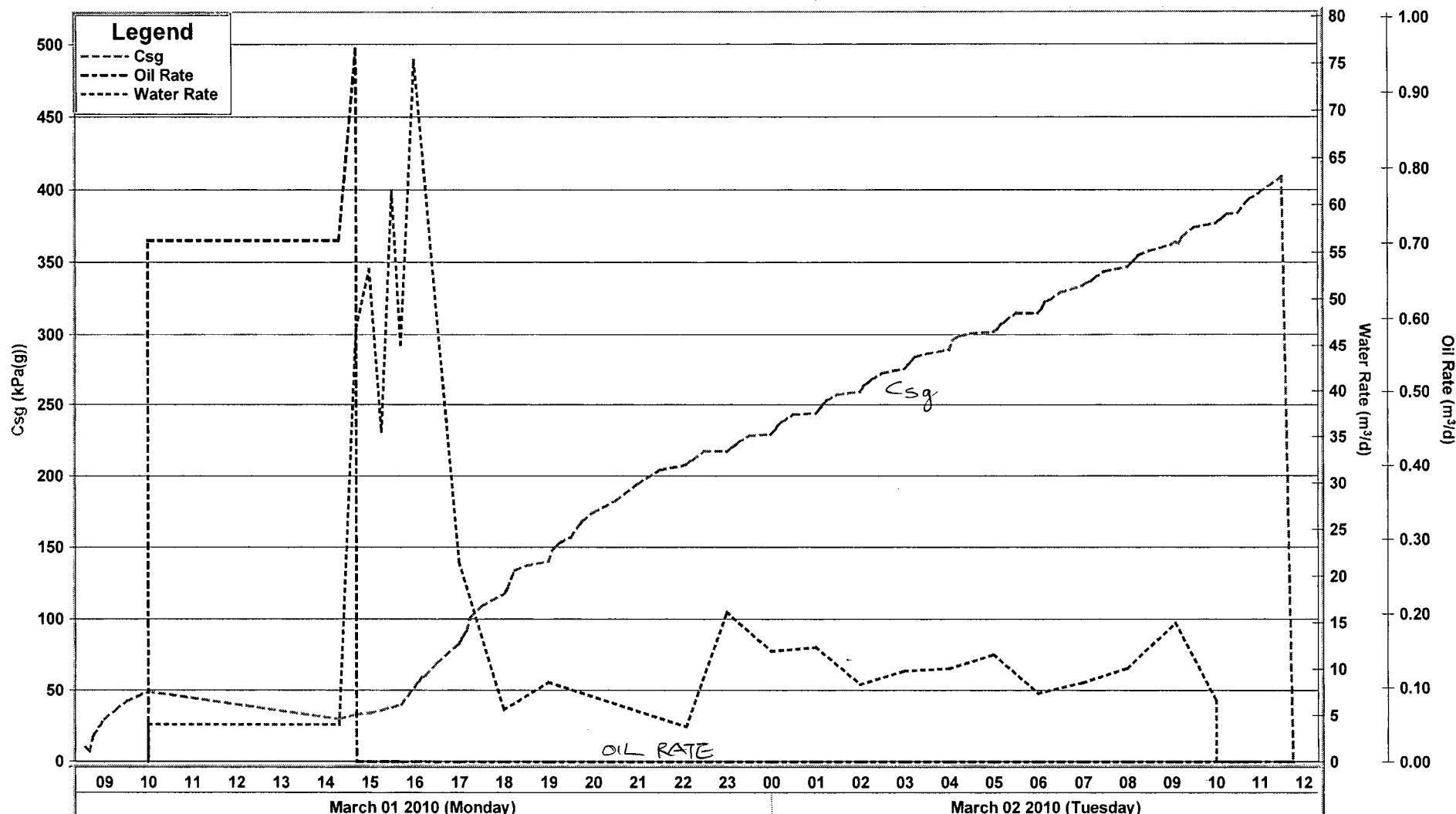
REMARKS

An ERCB PAS-PRD (v. 4.00) file has been created, using the above mentioned information. No Gas Samples were obtained for this report.

Company: PARAMOUNT RESOURCES LTD.
Unique Well ID: 60-10-117-15
Start Date/Time: 2010/02/28 07:00
End Date/Time: 2010/03/03 11:00

Well / Lease Name: PARA et al CAMERON F-77
Formation: LOWER SULPHUR POINT
Pool:
Job Number: 1020

Swab/Clean Up



Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-15
 Start Date/Time: 2010/02/28 07:00
 End Date/Time: 2010/03/03 11:00

Well / Lease Name: PARA et al CAMERON F-77
 Formation: LOWER SULPHUR POINT
 Pool:
 Job Number: 1020

				Wellhead				Gas Orifice Meter								Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	Water Gain	Cum Water	pH	Salinity	API	
				Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas												
				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	2010/02/28	07:00:00	0.00	ARRIVE ON LOCATION, HOLD SAFETY MEETING																								
2		08:00:00	1.00	SPOT & RIG IN EQUIPMENT TO REGULATION																								
3	2010/03/01	06:00:00	23.00	SWAB CASING TO 1150 m / 2.00 m ³ HOLE VOLUME LEFT																								
4		07:00:00	24.00	ATTEND SAFETY MEETING 11 PERSONAL ON LOCATION																								
5		08:16:00	25.27	LOWER SULPHUR POINT ZONE PERFORATED																								
6		08:35:00	25.58	RIG OUT E-LINE UNIT / MONITOR PRESSURES																								
7		08:35:00	25.58	10	0.00																							
8		08:40:00	25.67	7	0.00																							
9		08:45:00	25.75	18	0.00																							
10		09:00:00	26.00	30	0.00																							
11		09:15:00	26.25	36	0.00																							
12		09:30:00	26.50	42	0.00																							
13		10:00:00	27.00	49	0.00	0	0.0	0.0	0.000	0.0000								0.000		0.000	0.000	0.000	0.000					
14		10:00:00	27.00	BEGIN RUNNING IN HOLE WITH TUBING																								
15		12:30:00	29.50	TUBING ON DEPTH / RIG IN TO SWAB TUBING																								
16		14:19:00	31.32	13	30	4.32											1	1348	0.844	85.0	0.127	0.127	0.717	0.717				
17		14:42:00	31.70	13	33	4.70											2	1103	1348	0.765	98.0	0.015	0.142	0.750	1.467			
18		14:42:00	31.70	TRACE OF BURNABLE GAS AT SURFACE																								
19		15:00:00	32.00	9	34	5.00											3	1145	1380	0.665	100.0	0.000	0.142	0.665	2.132			
20		15:00:00	32.00	**NOTE** H/S SAMPLE TAKEN WITH RAE. = 2500 ppm																								
21		15:16:00	32.27	3	36	5.27											4	1227	1380	0.395		0.000	0.142	0.395	2.527	6	106000	
22		15:30:00	32.50	11	38	5.50											5	1227	1380	0.598		0.000	0.142	0.598	3.125			
23		15:42:00	32.70	18	40	5.70											6	1227	1380	0.376		0.000	0.142	0.376	3.501	6	82000	
24		16:00:00	33.00	18	52	6.00											7	1267	1380	0.942		0.000	0.142	0.942	4.443			
25		16:05:00	33.08	17	55	6.08																						
26		16:10:00	33.17	16	59	6.17																						
27		16:15:00	33.25	10	60	6.25																						
28		16:30:00	33.50	-1	69	6.50																						
29		17:00:00	34.00	6	83	7.00											8	1267	1380	0.895		0.000	0.142	0.895	5.338	6	40000	
30		17:00:00	34.00	**NOTE** SAMPLES SHOW TRACE OF OIL																								
31		17:05:00	34.08	-1	88	7.08																						
32		17:10:00	34.17	-1	92	7.17																						
33		17:15:00	34.25	-1	101	7.25																						
34		17:30:00	34.50	-1	109	7.50																						

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-15
 Start Date/Time: 2010/02/28 07:00
 End Date/Time: 2010/03/03 11:00

Well / Lease Name: PARA et al CAMERON F-77
 Formation: LOWER SULPHUR POINT
 Pool:
 Job Number: 1020

				Wellhead				Gas Orifice Meter							Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	Water Gain	Recovered/Produced Fluid Volumes				
				Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas	m	m	m ³	%	m ³	m ³	m ³	m ³	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	ppm	°API		
35	2010/03/01	18:00:00	35.00	-1	117		8.00	0.00								9	1267	1380	0.234	100.0	0.000	0.142	0.234	5.572	6	42000	
36		18:05:00	35.08	-1	121		8.08																				
37		18:10:00	35.17	-1	128		8.17																				
38		18:15:00	35.25	-1	134		8.25																				
39		18:30:00	35.50	-1	137		8.50										10	1267	1380	0.356		0.000	0.142	0.356	5.928	6	48000
40		19:00:00	36.00	-1	140		9.00																				
41		19:00:00	36.00	**NOTE** H ₂ S SAMPLE TAKEN WITH RAE. = 10000 ppm (1%)																							
42		19:05:00	36.08	-1	148		9.08																				
43		19:10:00	36.17	-1	150		9.17																				
44		19:15:00	36.25	-1	153		9.25																				
45		19:30:00	36.50	-1	157		9.50																				
46		19:45:00	36.75	-1	168		9.75																				
47		20:00:00	37.00	-1	174		10.00																				
48		20:30:00	37.50	-1	182		10.50																				
49		21:00:00	38.00	-1	194		11.00																				
50		21:30:00	38.50	-1	204		11.50																				
51		22:00:00	39.00	-1	207		12.00									11	1267	1380									
52		22:05:00	39.08	-1	208		12.08												0.480		0.000	0.142	0.480	6.408	6	100000	
53		22:10:00	39.17	-1	210		12.17																				
54		22:15:00	39.25	-1	211		12.25																				
55		22:30:00	39.50	-1	217		12.50																				
56		23:00:00	40.00	-1	217		13.00									12	1267	1380	0.616		0.000	0.142	0.616	7.024	6	104000	
57		23:05:00	40.08	-1	219		13.08																				
58		23:10:00	40.17	-1	221		13.17																				
59		23:15:00	40.25	-1	223		13.25																				
60		23:30:00	40.50	-1	228		13.50																				
61	2010/03/02	00:00:00	41.00	-1	229		14.00									13	1285	1380	0.496		0.000	0.142	0.496	7.520	6	104000	
62		00:05:00	41.08	-1	232		14.08																				
63		00:10:00	41.17	-1	236		14.17																				
64		00:15:00	41.25	-1	238		14.25																				
65		00:30:00	41.50	-1	243		14.50									14	1209	1380	0.513		0.000	0.142	0.513	8.033	6	112000	
66		01:00:00	42.00	-1	244		15.00																				
67		01:05:00	42.08	-1	247		15.08																				
68		01:10:00	42.17	-1	250		15.17																				

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-15
 Start Date/Time: 2010/02/28 07:00
 End Date/Time: 2010/03/03 11:00

Well / Lease Name: PARA et al CAMERON F-77
 Formation: LOWER SULPHUR POINT
 Pool:
 Job Number: 1020

				Wellhead				Gas Orifice Meter								Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	Water Gain	Recovered/Produced Fluid Volumes			
				Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas								Cum Water	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	ppm	°API		
69	2010/03/02	01:15:00	42.25	-1	253		15.25	0.00												100.0							
70		01:30:00	42.50	-1	257		15.50																				
71		02:00:00	43.00	-1	259		16.00										15	1264	1380	0.347		0.000	0.142	0.347	8.380	6	113000
72		02:05:00	43.08	-1	263		16.08																				
73		02:10:00	43.17	-1	265		16.17																				
74		02:15:00	43.25	-1	267		16.25																				
75		02:30:00	43.50	-1	272		16.50																				
76		03:00:00	44.00	-1	275		17.00										16	1244	1380	0.408		0.000	0.142	0.408	8.788	6	110000
77		03:05:00	44.08	-1	278		17.08																				
78		03:10:00	44.17	-1	281		17.17																				
79		03:15:00	44.25	-1	284		17.25																				
80		03:30:00	44.50	-1	286		17.50																				
81		04:00:00	45.00	-1	289		18.00										17	1241	1380	0.418		0.000	0.142	0.418	9.206	6	110000
82		04:05:00	45.08	-1	296		18.08																				
83		04:10:00	45.17	-1	298		18.17																				
84		04:15:00	45.25	-1	299		18.25																				
85		04:30:00	45.50	-1	301		18.50																				
86		05:00:00	46.00	-1	302		19.00										18	1220	1380	0.481		0.000	0.142	0.481	9.687	6	106000
87		05:05:00	46.08	-1	304		19.08																				
88		05:10:00	46.17	-1	307		19.17																				
89		05:15:00	46.25	-1	309		19.25																				
90		05:30:00	46.50	-1	315		19.50																				
91		06:00:00	47.00	-1	315		20.00										19	1277	1380	0.308		0.000	0.142	0.308	9.995	6	104000
92		06:05:00	47.08	-1	318		20.08																				
93		06:10:00	47.17	-1	323		20.17																				
94		06:15:00	47.25	-1	324		20.25																				
95		06:30:00	47.50	-1	329		20.50										20	1290	1380	0.356		0.000	0.142	0.356	10.351	7	106000
96		07:00:00	48.00	-1	334		21.00																				
97		07:00:00	48.00	**NOTE** SAMPLES SHOW TRACE OF OIL																							
98		07:00:00	48.00	**NOTE** H'S SAMPLE TAKEN WITH RAE. = 50000 ppm (5%)																							
99		07:05:00	48.08	-1	336		21.08																				
100		07:10:00	48.17	-1	337		21.17																				
101		07:15:00	48.25	-1	339		21.25																				
102		07:30:00	48.50	-1	344		21.50																				

Company: PARAMOUNT RESOURCES LTD.
 Unique Well ID: 60-10-117-15
 Start Date/Time: 2010/02/28 07:00
 End Date/Time: 2010/03/03 11:00

Well / Lease Name: PARA et al CAMERON F-77
 Formation: LOWER SULPHUR POINT
 Pool:
 Job Number: 1020

				Wellhead				Gas Orifice Meter								Swab	Tag	Pull	Fld Vol	BSW	Oil Gain	Oil Cum	Water Gain	Cum Water	Recovered/Produced Fluid Volumes			
				Date	Time	Cum Time	Tbg	Csg	WHT	Flow Time	Orifice	Static	Diff	Temp	Gas Rate	Cum Gas								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	ppm	°API		
103	2010/03/02	08:00:00	49.00	-1	347		22.00	0.00								21	1240	1380	0.420	100.0	0.000	0.142	0.420	10.771	7	108000		
104		08:05:00	49.08	-1	349		22.08																					
105		08:10:00	49.17	-1	352		22.17																					
106		08:15:00	49.25	-1	355		22.25																					
107		08:30:00	49.50	-1	358		22.50																					
108		09:00:00	50.00	-1	362		23.00																					
109		09:05:00	50.08	-1	364		23.08									22	1155	1380	0.676		0.000	0.142	0.676	11.447	7	108000		
110		09:10:00	50.17	-1	363		23.17																					
111		09:15:00	50.25	-1	368		23.25																					
112		09:30:00	50.50	-1	374		23.50																					
113		10:00:00	51.00	-1	377		24.00									23	1296	1380	0.253		0.000	0.142	0.253	11.700	7	104000		
114		10:05:00	51.08	-1	379		24.00																					
115		10:10:00	51.17	-1	381		24.00																					
116		10:15:00	51.25	-1	383		24.00																					
117		10:30:00	51.50	-1	384		24.00																					
118		10:45:00	51.75	-1	393		24.00																					
119		11:00:00	52.00	-1	398		24.00																					
120		11:30:00	52.50	-1	409		24.00																					
121		11:45:00	52.75	0	0		24.00		0	0.0	0.0	0.000	0.0000					0.000		0.000	0.142	0.000	11.700					
122		11:45:00	52.75	RIG OUT SWAB EQUIPMENT/ RIG UP TO PULL TUBING																								
123		16:15:00	57.25	TUBING ON SURFACE / PREPARE FOR WIRELINE WORK / SECURE WELL																								
124	2010/03/03	07:00:00	72.00	ATTEND SAFETY MEETING 9 PERSONAL ON LOCATION																								
125		08:00:00	73.00	BEGIN RUNNING IN HOLE WITH BRIDGE PLUG																								
126		10:30:00	75.50	BRIDGE PLUG SET AT 1360 METERS																								
127		11:00:00	76.00	RIG OUT TEST EQUIPMENT																								
128		11:00:00	76.00	**NOTE** NO SAMPLES TAKEN																								

