

FINAL WELL REPORT **N E B COPY**
PARAMOUNT RESOURCES LTD.

PARA ET AL CAMERON A-03

Grid: $60^{\circ} 10'$, $117^{\circ} 30'$

DATE: April 16, 2008

COMPANY REPRESENTATIVE:
Dave Block

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A. INTRODUCTION

Paramount Resources Ltd. (Paramount) drilled Para et al Cameron A-03 as a 1589 meter Keg River water disposal well. The well was spudded on February 10, 2007 and finished drilling on February 18, 2007. The purpose of the well was to evaluate the Keg River for water disposal potential. The primary target was the Keg River formation which was encountered at a depth of 11523 mKB.

The drilling contractor was Precision Drilling Ltd based out of Calgary, Alberta. Precision's Rig # 220 was used and is a land rig rated for 2400 m. The rig had a mud system capacity of 65 m³ and was equipped with a boiler.

The well was drilled on Production License No PL-017 in which Paramount has an 88% working interest under Paramount's Operating License No 1159.

The exact co-ordinates of the well are as follows:

Latitude: 60° 02' 12.397"
Longitude: 117° 30' 00.998"

Cancor Rathole Inc. drilled a 610 mm conductor hole to 12.5 meters. From surface to 1.8 meters was permafrost clay with boulders and from 1.8 to 12.5 meters was clay with boulders. A heavy walled 406 mm conductor pipe was cemented at 12.5 meters.

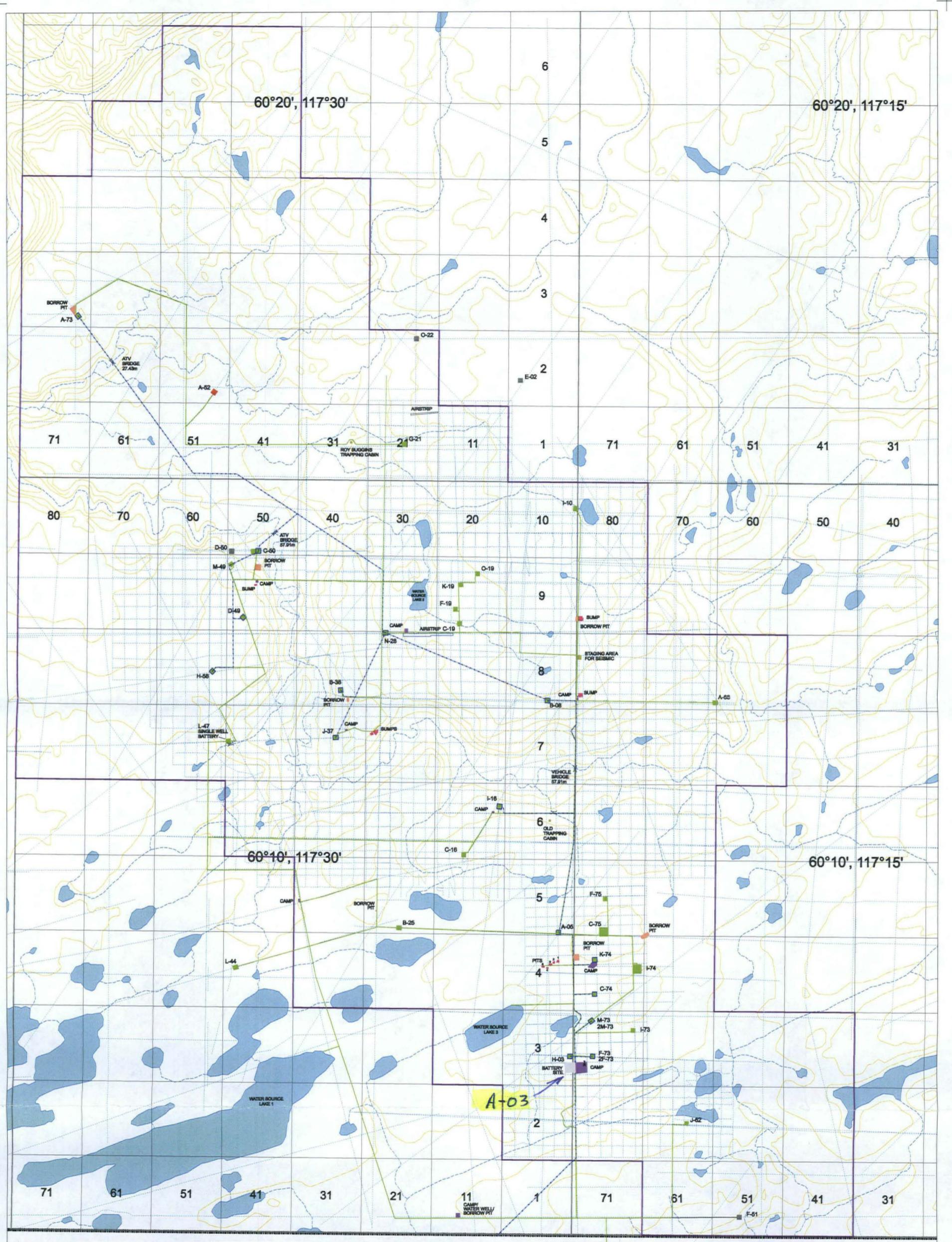
Precision #220 was moved onto the location starting February 8, 2007. The rig was rigged up, a diverter was nipped up and drilling commenced February 10, 2007 at 08:00 hours. A 311 mm surface hole was drilled to 436 mKB. There were minor mud ring problems encountered in drilling the surface hole. A string of 219.1 mm, 35.7 kg/m, J-55, ST&C surface casing was run to 436 mKB. The casing was cemented with 31 t class 'G' cement plus 1.5% CaCl₂. There were 8.0 m³ of cement returned to surface while cementing. The plug was bumped and the float held OK. The plug was down at 02:17 hours on February 12, 2007.

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 10,500 kPa high pressure.

The float collar and shoe were drilled out to 447 mKB on February 12, 2007. A leak off test was performed with the leak off gradient found to be 30.22 kPa/m. A 200 mm hole was drilled with a flocculated water system to approximately 1200 m. Gel was added to the drilling fluid at that point and the gel/chem mud system was then used to drill to a total depth of 1589 mKB. There were fluid losses encountered in the Wabamun starting at 553 meters. Once through the Wabamun three cement plugs were run to control the fluid losses. After the cement plugs were drilled out, drilling continued to TD with no further significant fluid losses. Precision Energy Services ran induction and sonic logs from bottom to surface casing, a density log from bottom to surface, and a micro-resistivity log from bottom to 1330 mKB.

139.7 mm, 23.07 kg/m, J-55, LT&C production casing was run and set at 1589 mKB. It was cemented with 22.0 t Thixlite + 1% SMS and 15.0 t Expando LWL + 0.1% CFL-3 + 0.2% LTR + 0.2% SPC-II. There were 2.5 m³ cement returns to surface. The plug was not bumped.

Precision #220 was rigged out and released at 23:59 hours on Feb 21, 2007.



SCALE 1:40 000

Prepared by: **UNIVERSAL GEOSYSTEMS**
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LEGEND:



Compiled Map Showing
AS-BUILT JULY 2005
Oil & Gas Activity

CAMERON HILLS AREA
Northwest Territories
NAD83 UTM Projection

REVISED: 22-AUG-05
MODEL: AS-BUILT JULY 2006.
Data: 13-DEC-04
Job No.: 04-1150G
Filename: CH.BASE.NAD83.DG

B. GENERAL DATA

1. Well Name: Para et al Cameron a-03

Authority to Drill a Well No: 2047

Exploration Agreement Number: PL-017

Location Unit: A

Section: 03

Grid Area: $60^0 10' N$, $117^0 30' W$

Classification: Water Disposal

2. Coordinates:

Surface: Latitude: $60^0 02' 12.397''$
 Longitude: $117^0 30' 00.998''$

3. Unique Well Identifier: 300A036010117300

4. Operator: Paramount Resources Ltd.

5. Contractor: Precision Drilling

6. Drilling Unit: Precision Rig # 220, Land Rig

7. Position Keeping: N/A

8. Support Craft (Helicopter): N/A

9. Drilling Unit Performance: Good

10. Difficulties and Delays: Severe lost circulation in the Wabamun.

11. Total Well Cost: \$1,163,000

12. Bottom Hole Co-ordinates: Same as surface.

C. SUMMARY OF DRILLING OPERATIONS

1. Elevations:
Ground: 767.4 m above sea level
KB: 7772.8 m above sea level
KB to Casing Flange: 5.4 m
2. Total Depth:
FTD: 1589 mKB
PBTD: 1575 mKB
3. Date and Hour Spudded: February 10, 2007 at 08:00
4. Date Drilling Completed: February 18, 2007
5. Date of Rig Release: February 21, 2007
6. Well status: Cased and Suspended
7. Hole Sizes and Depths:

Conductor Hole:	610 mm to 12.5 m
Surface Hole:	311 mm to 436 mKB
Main Hole:	200 mm to 1589 mKB
8. Casing and Cementing Record:

Conductor Hole:	
Casing Size:	406 mm
Wall Thickness:	9.5 mm
Depth Set:	12.5 m
Cut Height:	At Surface
Date Set:	February 6, 2007
Cement Volume:	0.96 tonnes
Cement Type:	class 'G'
Surface Hole:	
Casing Make:	Ipsco
Casing Size:	219.1 mm
Casing Weight:	35.7 kg/m
Casing Grade:	J-55
Thread:	ST&C
Number of Joints:	33
Depth Set:	436 mKB
Cut Height:	At surface
Date Set:	February 12, 2007
Cement Volume:	31 Tonnes
Float Shoe Depth:	436 mKB
Float Collar Depth:	430 mKB

Cement Type: Class 'G'
 Additives: 1.5% CaCl₂
 Cement Top: Surface
 Casing Bowl Size: 228 mm x 219 mm x 21 MPa
 Casing Bowl Make: ABB Vetco

Main Hole:

Casing Size: 139 mm
 Casing Weight: 23.07 kg/m
 Casing Grade: J-55
 Casing Make: IPSCO
 Number of Joints: 120
 Thread: LT&C
 Depth Set: 1589 mKB
 Cut Height: Surface
 Date Set: February 20, 2007
 Float Shoe Depth: 1589 mKB
 Float Collar Depth: 1575 mKB
 Cement Volume 1: 22.0 Tonnes
 Cement Type 1: Thixlite
 Additives 1: 1% SMS
 Cement Volume 2: 15.0 Tonnes
 Cement Type 2: Expando LWL
 Additives 2: 0.1% CFL-3 & 0.2% LTR & 0.2% SPC-II
 Cement Top: Surface

9. Sidetracked Hole: N/A

10. Drilling Fluid:

Conductor Hole: Water
 Properties: N/A

Surface Hole: Gel - Chemical
 Properties: Viscosity: 37 - 68 sec/L
 Weight: 1150 - 1230 kg/m³
 PH: 8.5 - 11.0

Main (425 - 1200 m): Floc water
 Properties: Viscosity: not reported
 Weight: 1000 kg/m³
 PH: not reported

Main (1200 m – TD):	Gel-chem
Properties:	
	Viscosity: 41 - 70 sec/L
	Weight: 1060 - 1220 kg/m ³
	PH: 10.5 – 11.0
	Water loss: 9.0 – 20.0 cc
	Solids: Not reported
	Gels: Not reported
	Filtrate: Not reported
	PV / YP: Not reported

11. Fishing Operations: N/A

12. Well Kicks and Well Control Operations: N/A

13. Formation Leak Off Tests:

Depth:	446 m
Fluid Density:	1000 kg/m ³
Applied Pressure:	8900 kPa
Hydrostatic Pressure:	4277 kPa
Mud Weight Equivalent:	3080 kg/m ³
Casing setting depth:	436 mKB

The surface casing leak-off test was taken to a gradient of 30.2 kPa/m before leak off was detected.

14. Time Distribution

Date	Hours	Activity
07/02/08	20.0	Rig move and rig up.
	4.0	Wait on daylight.
07/02/09	8.0	Wait on daylight.
	15. 5	Rig move and rig up.
07/02/10	0.5	Nipple up diverter.
	0.25	Safety meeting.
07/02/11	0.25	BOP drill.
	0.75	Rig service.
	7.75	Nipple up diverter.
	13.0	Drill.
	2.0	Deviation survey.
07/02/11	0.25	Safety meeting.
	0.75	Rig service.
07/02/12	7.0	Drill.
	1.75	Deviation survey.
07/02/12	1.75	Circulate and condition mud.
	8.75	Tripping.
07/02/12	3.75	Run casing.
	0.25	Safety meeting.
07/02/12	0.25	Rig service.
	0.25	BOP drill.
07/02/12	1.25	Circulate and condition mud.
	1.25	Cement casing.
07/02/12	4.0	Wait on cement.
	1.0	Lay out diverter.
07/02/12	1.5	Cut casing and weld on bowl.
	5.0	Nipple up BOP's.
07/02/12	5.0	Test BOP's.
	2.5	Tripping.
07/02/12	0.5	Drill out float collar and shoe.
	0.25	Leak off test.
07/02/12	1.0	Drill.
	0.25	Safety meeting.
07/02/13	0.75	Rig service.
	0.25	BOP drill.

	13.25	Drill.
	0.5	Deviation survey.
	3.5	Circulate and condition mud.
	5.5	Tripping.
07/02/14	0.5	Safety meeting.
	0.5	Rig service.
	2.5	Run cement plugs.
	9.75	Tripping.
	6.75	Circulate and condition mud.
	0.75	Slip and cut drill line.
	3.25	Drill out cement.
07/02/15	0.75	Rig service.
	0.25	Run cement plugs.
	6.5	Drill out cement.
	1.25	Circulate and condition mud.
	4.25	Trips.
	10.25	Drill.
	0.75	Deviation survey.
07/02/16	0.75	Rig service.
	13.0	Drill.
	0.75	Deviation survey.
	2.25	Circulate and condition mud.
	0.25	Reaming.
	7.0	Tripping.
07/02/17	0.75	Rig service.
	7.25	Drill.
	0.25	Deviation survey.
	13.5	Tripping.
	1.5	Circulate and condition mud.
	0.75	Slip and cut drill line.
07/02/18	0.5	BOP drill.
	0.75	Rig service.
	19.25	Drill.
	1.0	Deviation survey.
	2.25	Tripping.
	0.25	Circulate and condition mud.
07/02/19	0.25	Safety meeting.

	0.25	Rig service.
	4.0	Circulate and condition mud.
	10.25	Trips.
	9.25	Logging.
07/02/20	0.5	Safety meeting.
	7.5	Trips.
	1.5	Circulate and condition mud.
	10.0	Run casing.
	2.0	Cement casing.
	0.5	Set slips.
	2.0	Nipple down BOP's.
07/02/21	24.0	Rig out.

Time Break Down by Activity:

<u>Activity</u>	<u>Hours</u>
Move on, rig up:	35.5
Wait on daylight:	8.0
Drilling:	84.0
Surveying:	7.0
Reaming:	0.25
Tripping:	71.25
Circulate and condition mud:	24.0
Running casing:	13.75
Cementing casing:	3.25
Wait on cement	4.0
Drill out casing shoe:	0.5
Rig service:	6.0
Safety meetings:	2.25
BOP drill:	1.25
Nipple up diverter:	8.25
Nipple down diverter:	1.0
Weld casing bowl:	1.5
Nipple up BOP's:	5.0
Pressure test BOP's:	5.0
Leak off tests:	0.25
Logging:	9.25
Slip and cut drill line:	1.5
Nipple down BOP's:	2.0
Set casing slips:	0.5
Run cement plugs:	2.75
Drill out cement plugs:	9.75
Rig out:	24.0

15. Deviation Survey: See page 8 of the Geological Report in the Attachments Section.
16. Abandonment Plugs: N/A
17. Composite Well Record: See the copy of the strip log in the Geological Report in the Attachments Section.
18. Completion Record: Reported in a separate report.

D: GEOLOGY

GEOLOGICAL SUMMARY

Tops: See page 12 of the Geological Report in the Attachments Section.

Sample Descriptions: See pages 13 to 18 of the Geological Report in the Attachments Section.

Total Depth: 1589 mKB MD

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 at the end of the Geological Report in the Attachments Section.

DRILL STEM TESTS: None.

WELL EVALUATION

The following logs were run:

Array Induction Log:	436 - 1588 mKB
Photo Density Dual Spaced Neutron Log:	surface - 1581 mKB
Compensated Sonic Log:	436 - 1585 mKB
Micro Log:	1330 - 1577 mKB

GAS, OIL, & WATER ANALYSES: N/A

FORMATION STIMULATION: N/A

FORMATION AND TEST RESULTS: N/A

DETAILED TEST PRESSURE DATA READINGS: N/A

E. ENVIRONMENTAL CONSIDERATIONS

There are no known outstanding environmental considerations on this well. 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 E-72 for re-use. The solids were hauled to a remote site at J-04 60° 10' N, 117° 30' W where they were disposed of using the mix/bury/cover technique.

ATTACHMENTS

Geological Report

for

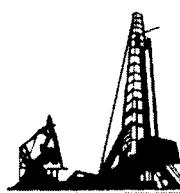
Para et al Cameron A-03



Prepared for:

Llew Williams, P. Geol
Geological Manager, Northern Unit
Paramount Resources Ltd.

Wellsite Geologist:



Brad Powell, B.Sc.
Geologist

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Composite Geological Striplog 1:240 scale	Back Sleeve

Executive Summary

Para et al Cameron A-03 is a vertical development well spudded by Precision Drilling Rig #220 on February 10, 2007 @ 18:30. Surface hole 311mm was drilled to 436.0m with 219.1 mm casing landed at 435.8m. The 200mm main hole terminated in the lower **Keg River** formation at 1589.4m on February 18, 2007 @ 21:15.

A-03 was drilled primarily for water disposal purposes into the Keg River porosity. Cutting samples were taken from 1295.0m to TD @ 1589.4m; 2 sets of vials and one set of bags for the NEB, and 1 set of vials for Paramount archiving. Triple Induction, SP, Neutron / Density, Compensated Sonic, Gamma Ray, Microlog, and XY Caliper logs were run from TD to surface casing. Microlog was run from TD to 1320m. Gas Detection was run from SC to TD.

The **Sulphur Point Dolomite** is a microcrystalline to very fine crystalline packstone to grainstone, with occasional fine to medium sucrosic euhedral crystal growth. The dolomite occurred on logs at 1409.5m MD and was 12.5m thick, conformably and sharply underlain by anhydrite of the Muskeg formation. The most promising interval occurred between 1417.0 – 1420.0m. An excellent ROP break indicates porosity. The samples appeared quite granular in texture, showing fair sucrosic intercrystalline and vug porosity. Sample cuttings showed evidence of fracturing, with micro druze and bituminous coatings. Sample porosity was estimated at 9 - 15% over this interval. Density porosity logs (dolomite scale) confirm this, and reads up to 25% from 1417.0 – 1418.0m. Cuttings were light brown to brown and saw partial dark brown oil staining. They showed bright whitish yellow dry fluorescence with an instant streaming milky yellowish white solvent cut, and a strong petroliferous odor, as well as an oily sheen in the raw sample. Deep induction log analysis shows 26ohms at 1417.5m. (Note: this log reading was read from a "Salty Model" Induction log, with mud Rm reading 0.71 ohm-m). Gas detector readings in this most porous interval peaked at 314 units over a baseline of 120 units. Gas readings were recorded while drilling with mud of density 1150 kg/m³. Microlog over almost the entire Sulphur Point Dolomite indicates good mud cake build-up, easily seen on caliper logs, suggesting modest permeability. **The Sulphur Point Dolomite appears to be a good reservoir for oil production.**

The **Slave Point** occurs on logs between 1341.6 – 1382.0m MD. It is a cream to light brown to brown mottled microcrystalline mudstone, occasionally grading to a very fine crystalline wackestone to packstone. It shows streaky dark brown oil staining. It is predominantly tight, showing increased porosity downsection. The Slave Point showed assumed poor earthy porosity and occasional poor moldic and vug porosity. Gas detector response peaks at 192 units at 1353.5m and 200 units at 1364.5m. These readings were recorded over a baseline of 70 units in 1130 kg/m³ mud. This is a relatively poor show, and density porosity readings peak at 7-9% over these intervals. The lower Slave Point has a strong petroliferous odor, and shows a yellow to whitish yellow dry fluorescence. Solvent cut is milky to watery greenish yellow. **The Slave Point appears too oily and tight to have economic potential for gas production.**

Executive Summary

The **Keg River – Upper Porous Interval** can be described as a massive dolomite, tan to brown, with occasional dark brown oil staining. It is predominantly microcrystalline to very fine crystalline grainstone with streaks of fine to medium, euhedral crystalline growth and occasional free clear medium dolomite crystal cluster growth. Crystal growth along cutting surfaces with good relief, and free rhombs suggests growth into voids. Samples have a sandy granular appearance, with scattered fair vug porosity, and poor to fair intercrystalline porosity. Visible porosity in cuttings was estimated at 3-9%, which was confirmed on logs. Gas detector readings peaked at 130 units over a baseline of 50 units at the top of the Keg River. Deep induction varies between 200 ohm-m and 500 ohm-m in the porous Keg River interval. Caliper logs show modest filter cake buildup, indicating permeability. SP deflection also suggests perm. Samples showed dull yellow to yellow gold dry fluorescence, and a weak watery yellow cut with a petroliferous odor. **The Keg River – Upper Porous Interval appears to have sufficient porosity and permeability to provide a good water disposal zone.**

Para et al Cameron A-03 was cased for production with 139.7mm casing for water disposal purposes into the Keg River porosity.

Well Data Summary

OPERATOR	Paramount Resources Ltd.
WELL NAME	Para et al Cameron A-03
LOCATION	Unit A Section 03
	Grid Area: Lat 60° 10' N Long 117° 30' W
UWI	300A036010117300
POOL	Keg River
FIELD	Cameron Hills
PROVINCE	Northwest Territories
LICENCE NUMBER	2047
CLASSIFICATION	Production
A.F.E. NUMBER	06N7100031

SURFACE COORDINATES	Latitude: 60° 02' 12.3" North
	Longitude: 117° 30' 0.9" West

ELEVATIONS	KB: 772.8m
	GL: 767.4m

TOTAL DEPTH	Driller: 1589.4m MD (-816.6m SubSea)
	Logger: 1589.4m MD (-816.6m SubSea)

DRILLING CONTRACTOR	Precision Drilling Rig #220
ENGINEER	Brian Neigum 403-997-5286 or 548-5013
GEOLOGIST	Brad Powell, B.Sc. 403-861-0838

SPUD DATE	February 10, 2007 @ 08:30
COMPLETED DRILLING	February 18, 2007 @ 21:15
RIG RELEASE	February 21, 2007 @ 23:59

Well Data Summary

HOLE SIZE Surface hole: 311mm
Main hole: 200mm

CASING Surface: 219.1mm, 35.71 kg/m set @ 435.8m
Production: 139.7mm, 20.83 kg/m set @ 1589.4m

LOGGING STI / MRT/ SpeD / CNS / GR / XY CAL / BCS from TD to surface casing.
Microlog from TD to top of Slave Point.

DSTs none

CORES none

SAMPLES Operator: 1 set vials (@ 5m) over interval: 1295m - TD
NEB: 2 sets vials (@ 5m) over interval: 1295m - TD
1 set bags (@ 5m) over interval: 1295m - TD

MUD RECORD 0 – 435.8m Gelchem
435.8 - 1190m Floc Water
1190 - TD Gelchem

DIRECTIONS From High Level, Alberta, travel north on Highway 35. 1.3km south of Indian Cabins, turn west onto main road and drive 39.0km, to Paramount plant site. The well center is just east of the main plant.

PROBLEMS

On Surface Hole: Mud rings needed to be worked and cleaned out.

On Main Hole: Lost circulation in the Wabamun. Three cement plugs were run to control fluid loss. After mudding up @ 1200m, we began to experience balled bit / plugged jets. Three bit trips were made to clear the problem. Minor anhydrite contamination problems in mud.

Logging Summary

Date: February 19, 2007

Logging Company: Weatherford **Engineer:** Matt Bonnell **Truck:** 13-132

Mud Properties: WT: 1220 kg/m³ Visc: 70 s/L WL: 10 cm³/30min pH: 10.5

Rm: 1.11 ohm-m @ 25.0C 0.71 ohm-m @ 50.0C
Rmf: 1.02 ohm-m @ 25.0C
Rmc: 1.26 ohm-m @ 25.0C

Hole Size: 200mm

Surface Casing: 219.1mm, 35.7kg/m, set @ 435.8m

Depths: Driller: 1589.4m Strap: 1589.1m Logger: 1589.4m

Logging Times: First Alerted: 11:00 February 17, 2007

Time Required: 04:00 February 19, 2007 (9.0 hr final notice)

Arrived: 08:30 February 19, 2007

Rig Up: 10:00 February 19, 2007

Rig Out: 18:30 February 19, 2007 (8.5 hr rig time)

Hole Condition: Good

Circulations: 1.0hr after TD then 2.0hrs after wiper trip

Wiper Trips: TD to 1200m

LOGGING SEQUENCE **Run #1:** STI / MRT/ SpeD / CNS / Pe / GR / XY CAL / BCS

Interval: TD to surface casing (with MRT from TD to top of Slave Point)

REMARKS: Tagged bottom @ 12:50, Feb 19, 2007. Good, efficient logging job.

Bit Record & Casing Summary

Bit Record

Bit #	Make	Type	Size	In (m)	Out (m)	Meters (m)	Hours	ROP (m/hr)	CONDITION
1A	Varel	CHIGJM	311mm	13	270	257	14.00	18.36	5 – 5 – WT – A - PR
2A	Varel	MX 1	311mm	270	436	166	7.25	22.90	6 – 6 – WT – A - TD
1	Varel	MKS55	200mm	436	730	294	14.25	20.63	OK
1RR	Varel	MKS55	200mm	730	1380	650	30.50	21.31	4 – 4 – CT – A - PP
2	Varel	MKS55	200mm	1380	1589.4	209.4	19.25	10.88	2 – 2 – CT – A - TD

Casing Summary

Type	Casing Size	Hole Size	Landed	Total Joints	Remarks
Surface	219.1mm	311mm	435.8m	31	31 joints of 219.1mm 35.7 kg/m, J-55, new Ipsco casing ran + collar + shoe. Cemented with Sanjel with 31.0t of 0:1:0 Class G + 1.5% CaCl2 of density 1900 kg/m3. Approximately 5.0m3 of good returns, float OK, plug down @ 02:17 February 12, 2007.
Production	139.7mm	200mm	1589.4m	120	120 joints (including 1 marker) of 139.7mm 23.07kg/m, J-55, 8RD ST&C new casing ran + float collar + shoe. Cemented with Sanjel. 21.0t Thixlite + 0.1% SMS lead then 15.0t Expandomix + 0.1% CFL-3 + 0.2% LTR + 0.2% SPCII. Plug down @ 22:30 on February 20, 2007. 2m3 returns, float OK and holding.

Deviation Surveys

Depth (m)	Inclination (degrees)	Azimuth (degrees)	TVD (m)	North (m)	East (m)	Section (m)	Dog Leg deg/30m	Build Rate deg/30m	Turn Rate deg/30m
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THIS WELL IS A VERTICAL WELL

0	0.00
31	0.55
59	0.23
87	0.38
115	0.70
143	0.41
172	1.02
202	1.06
230	0.84
260	0.68
288	0.68
314	0.75
343	0.40
370	0.61
426	0.57
531	0.26
632	0.44
736	0.60
839	0.48
937	0.37
1031	0.13
1125	0.61
1225	0.45
1329	0.18
1424	0.50
1584	0.34

Daily Drilling Summary

- note that operations are as reported from 00:00 to 23:59 on the date shown

<u>Date</u>	<u>Depth</u>	<u>Progress</u>	<u>Operations</u>
Feb 8	0	0	Strip mud. Tear out. Wait on daylight to move.
Feb 9	0	0	Wait on daylight. Move rig, spot components. Rig up shacks, fire up boiler. Raise derrick @ 17:30. Rig up floor, tanks, Kelly, pre-fabs. Nipple up diverter, function test.
Feb 10	260	260	Rig up rig. Run flare lines. Test accumulator, diverter, HCR, and related BOP equipment. Pre-spud inspection. Spud well Feb 10, 2007 @ 18:30. Drill 311mm surface hole with Bit #1A with surveys and required rig service to 260m.
Feb 11	436	176	Drill 311mm surface hole with Bit #1A with surveys and required rig service from 260m to 270m. Circulate hole clean, work mud ring. POOH for bit trip. RIH with Bit #2A. Drill 311mm surface hole with required surveys and rig service from 270m to 430m. Circulate. Full wiper trip, wash to bottom. Work mud ring. Drill to surface casing point at 436.0m. Surface TD Feb 11, 2007 @ 16:15. Circulate hole and condition mud for running casing. POOH to run casing, lay down collars. Rig for and run 31 joints 219.1mm surface casing. Circulate casing. Wait on cementers. Rig up cementers.
Feb 12	457	21	Cement with Sanjel. Plug down Feb 12, 2007 @ 02:17. WOC. Weld on bowl, nipple up BOPs. Pressure test BOPs, manifolds, HCR, valves, rams, and other well control related equipment. Make up BHA with PDC Bit #1 and RIH. Rig service / function test. RIH. Rig service. Drill float @ 430.6m and shoe @ 436.0m. Drill out @ 22:15 on Feb 12. Drill to 447m, perform leak off test, rig service and safety meeting. Circulate hole clean. Drill ahead 200mm main hole with required surveys and rig service from 447m to 457m.

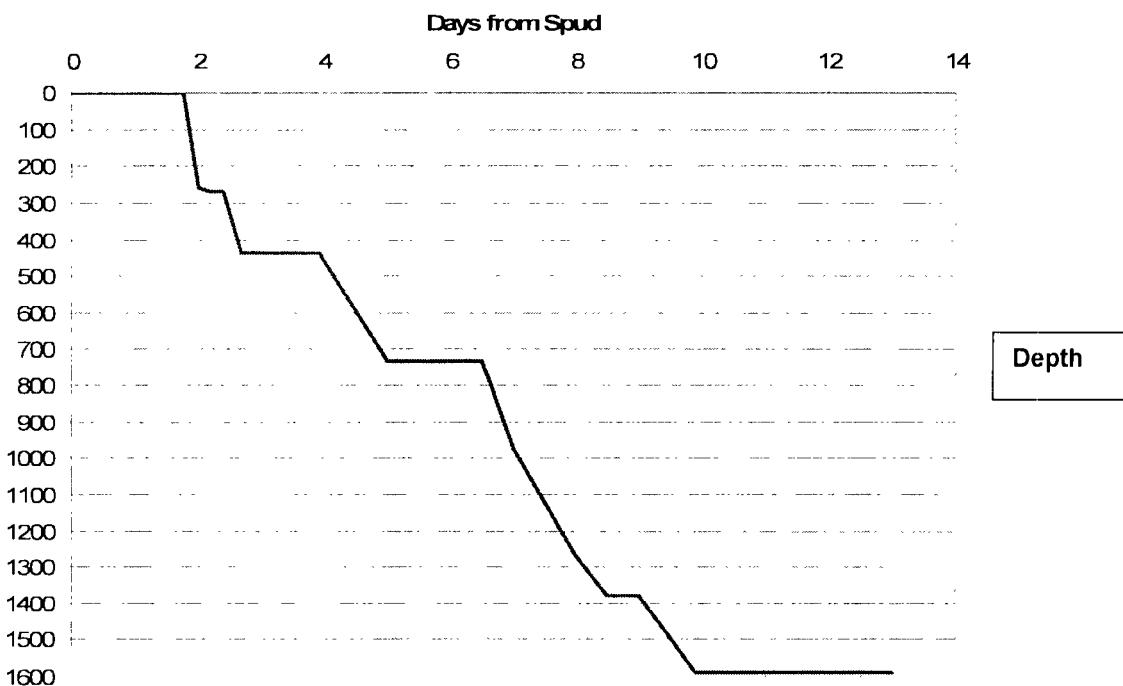
Daily Drilling Summary

Feb 13	730	273	Drill ahead 200mm main hole with required surveys and rig service from 457m to 730m. Losing fluid while drilling Wabamun. Haul water, build volume, drill ahead with partial losses. Drill ahead to 730m. Circulate. POOH with flow checks to run cement plugs. RIH open-ended. Circulate. Wait on cementers.
Feb 14	730	0	Rig up Sanjel. Run plug #1. WOC. Tag plug #1 @ 604m. Cement with Sanjel plug #2. WOC. Tag plug #2 @ 510m. POOH. Make up BHA with PDC Bit #1RR, RIH. Drill out cement plug 510-618m. The well began taking fluid around 600m. POOH with flow checks to run another cement plug. RIH open-ended.
Feb 15	975	245	Run cement plug #3. WOC. Tag plug #3 @ 525m. POOH. Make up BHA with PDC Bit #1RR. RIH. Drill out cement plug 525m-730m. Drill ahead 200mm main hole with required surveys and rig service from 730m to 975m.
Feb 16	1269	295	Drill ahead 200mm main hole with required surveys and rig service from 975m to 1265m. Mud up at 1200m. Trip for balled bit / plugged jets @ 1265m. RIH. Plugged jets again @ 1269m. POOH for bit trip with flow checks.
Feb 17	1380	111	POOH for bit trip with flow checks. RIH. Drill ahead 200mm main hole with required surveys and rig service from 1269m to 1380m. Pressuring up to 14000kPa+ because of plugged jets. Circulate, POOH with flow checks. Make up BHA with new PDC Bit#2. RIH.
Feb 18	1589.4	209.4	RIH. Drill ahead 200mm main hole with required surveys and rig service from 1380m to 1589.4m Total Depth. TD reached February 18, 2007 @ 21:15. Circulate up sample. POOH wiper trip to 1200m with flow checks.

Daily Drilling Summary

Feb 19	1589.4	0	POOH wiper trip to 1200m with flow checks. RIH. Circulate on bottom, wait on loggers. POOH to log with strap. Rig up Weatherford wireline @ 10:00. Logs on bottom with no problems @ 12:50. Log Run #1. Rig out tools. Rig out loggers @ 18:30. RIH with flow checks to condition hole for casing. Circulate mud and condition hole in preparation for running casing.
Feb 20	1589.4	0	POOH sideways. Rig for running casing. Run 120 joints 139.7mm production casing. Circulate casing. Rig for cementers. Cement hole with Sanjel. Plug down 22:30 February 20, 2007. WOC.
Feb 21	1589.4	0	Nipple down BOPs, set slips, strip mud. Tear out rig. Rig release 23:59 February 21, 2007.

A-03 Days vs. Depth



Formation Tops

Kelly Bushing Elevation: 772.8m

Formation	Prognosis MD (m)	Sample MD (m)	Logger MD (m)	Log SubSea (m)
Wabamun	555.8	550.0	550.0	+ 222.8
Fort Simpson	721.8	717.3	716.5	+ 56.3
Slave Point	1346.8	1342.0	1341.6	- 568.8
F4 Marker	1388.1	1382.5	1382.0	- 609.2
Watt Mountain	1395.1	1390.0	1389.0	- 616.2
Sulphur Pt LS	1399.1	1394.0	1393.0	- 620.2
Sulphur Pt DOL	1417.1	1412.0	1409.7	- 636.9
Muskeg	1429.9	1424.0	1422.0	- 649.2
M1 Dolomite Marker		1493.5	1490.5	- 717.7
Keg River **	1527.9	1524.5	1523.0	- 750.2
Base of Keg porosity	1547.8	1542.0	1543.0	- 770.2
Total Depth	1587.8	1589.4	1589.4	- 816.6

** Primary Zones of Interest

* Secondary Zones of Interest

Sample Descriptions

1290-1305 SHALE 1) light to medium gray, green gray, in part calcareous grading to argillaceous limestone, smooth texture, micromicaceous in part, platy to blocky, in part waxy, 2) dark gray to brown gray, micromicaceous, rugose, blocky, firm, occasional off white to light gray to gray green argillaceous microcrystalline limestone mudstone stringers

1305-1323 SHALE 1) light to medium gray, green gray, in part calcareous grading to argillaceous limestone, smooth texture, micromicaceous in part, platy to blocky, in part waxy, 2) dark gray to brown gray, micromicaceous, rugose, blocky, firm, occasional off white to light gray to gray green argillaceous microcrystalline limestone mudstone stringers

BEAVERHILL LAKE @ 1323.0m (-550.2m SubSea)

1323-1330 SHALE 1) light to medium gray, green gray, in part calcareous grading to argillaceous limestone, smooth texture, micromicaceous in part, platy to blocky, scattered pyrite, 2) dark gray to brown gray, occasional black, micromicaceous, rugose, blocky, firm, LIMESTONE, off white to gray, argillaceous, cryptocrystalline to microcrystalline mudstone, in part chalky, scattered disseminated to nodular pyrite, occasional resinous gray inclusions, scattered fossil debris including Crinoids, tight, no shows

1330-1342 SHALE 1) light to medium gray, green gray, in part calcareous grading to argillaceous limestone, smooth texture, micromicaceous in part, platy to blocky, scattered pyrite, 2) dark gray to brown gray, occasional black, micromicaceous, rugose, blocky, firm, LIMESTONE, off white to gray, argillaceous, cryptocrystalline to microcrystalline mudstone, in part chalky, scattered disseminated to nodular pyrite, occasional resinous inclusions, scattered fossil debris including Crinoids, tight, no shows

SLAVE POINT @ 1342.0m (-569.2m SubSea)

1342-1350 LIMESTONE, off white to tan to light brown, light gray, mottled, cryptocrystalline to microcrystalline argillaceous mudstone, occasional grading to wackestone, scattered bioclastic debris, flaky to blocky, in part chalky, occasional resinous, locally pyritized, tight with assumed poor earthy porosity, spotty pale yellow dry fluorescence, questionable show, slight petroliferous odor

Sample Descriptions

1350-1355 LIMESTONE, cream to tan to light brown, light gray, mottled, occasional dark brown oil stain, predominantly cryptocrystalline to microcrystalline, occasional very fine crystalline, argillaceous mudstone occasional grading to wackestone to packstone, scattered bioclastic debris, flaky to blocky, in part chalky, occasional resinous, locally pyritized, local bituminous partings, rare calcite infill, tight with assumed poor earthy porosity, streaks of poor moldic porosity, pale yellow dry fluorescence, watery to milky yellow green cut, petroliferous odor

1355-1365 LIMESTONE, cream to tan to light brown, light gray, mottled, occasional dark brown oil stain, predominantly cryptocrystalline to microcrystalline, occasional very fine crystalline, argillaceous mudstone occasional grading to wackestone to packstone, scattered bioclastic debris, flaky to blocky, in part chalky, occasional resinous, locally pyritized, local bituminous partings, rare calcite infill, tight with assumed poor earthy porosity, streaks of poor moldic porosity, yellow white dry fluorescence, watery to milky yellow green cut, petroliferous odor

1365-1374 LIMESTONE, becoming darker, cream to tan to light brown, light gray, mottled, occasional dark brown oil stain, predominantly cryptocrystalline to microcrystalline, occasional very fine crystalline, argillaceous mudstone occasional grading to wackestone to packstone, flaky to blocky, in part chalky, occasional resinous, locally pyritized, local bituminous partings, rare calcite infill, tight with assumed poor earthy porosity, streaks of poor moldic porosity, yellow white dry fluorescence, watery to milky yellow green cut, petroliferous odor

1374-1382.5 LIMESTONE, tan to brown, gray, mottled, occasional dark brown oil stain, predominantly cryptocrystalline to microcrystalline, argillaceous mudstone grading to wackestone, flaky to blocky, in part chalky, occasional resinous, local bituminous partings, slightly dolomitic in part, tight with assumed poor earthy porosity, deep yellow gold dry fluorescence, watery yellow green cut, ANHYDRITE stringers, white to pearly lustre, fibrous, amorphous, cryptocrystalline, tight

F4 DOLOMITE @ 1382.5m (-609.7m SubSea)

1382.5-1386 DOLOMITE, cream to light gray, microcrystalline, sandy appearance, calcareous in part, firm, tight, no shows

Sample Descriptions

1386-1390 LIMESTONE, off white to tan to light brown, occasional dark brown, mottled, predominantly cryptocrystalline to microcrystalline mudstone to wackestone, flaky to blocky, anhydritic in part, tight with occasional poor moldic porosity, assumed poor earthy porosity, spotty yellow gold dry fluorescence, weak watery green cut, ANHYDRITE, white to pearly, amorphous, cryptocrystalline, firm, tight

WATT MOUNTAIN @ 1390.0m (-617.2m SubSea)

1390-1394 SHALE, pale to emerald green, waxy, blocky, calcareous, scattered cubic pyrite crystal clusters

SULPHUR POINT LIMESTONE @ 1394.0m (-621.2m SubSea)

1394-1400 LIMESTONE, off white to light brown, light gray to gray, mottled, predominantly cryptocrystalline to microcrystalline wackestone to packstone occasionally grading to very fine crystalline grainstone, light brown inclusions in off white matrix, occasional resinous, blocky, in part chalky, dolomitic in part, slightly anhydritic in part, tight with streaks of poor to fair intercrystalline porosity, assumed poor earthy porosity, minor poor vug porosity, occasional sparry calcite, spotty yellow white dry fluorescence, watery green cut, strong petroliferous odor

1400-1412 LIMESTONE, off white to light brown, becoming darker brown down section, light gray to gray, mottled, predominantly cryptocrystalline to microcrystalline wackestone to packstone occasionally grading to very fine crystalline grainstone, light brown inclusions in off white matrix, occasional resinous, blocky, in part chalky, dolomitic in part, slightly anhydritic in part, tight with streaks of poor to fair intercrystalline porosity, assumed poor earthy porosity, minor poor vug porosity, occasional secondary calcite infill, scattered pyrite, spotty bright yellow white dry fluorescence, streaming yellow white watery to milky cut, strong petroliferous odor

Sample Descriptions

SULPHUR POINT DOLOMITE @ 1412.0m (-639.2m Sub Sea)

1412-1417 DOLOMITE, tan to light brown, gray brown, microcrystalline to very fine crystalline packstone to grainstone, occasional grading to fine to medium crystalline sucrosic grainstone, blocky, euhedral crystalline growth, poor to fair intercrystalline porosity with streaks of good porosity with excellent crystalline relief, evidence of fracture surface with bituminous coatings, fair vug porosity with free clear fine to medium dolomite crystalline cluster growth, white yellow to dark yellow dry fluorescence, watery to milky yellow white solvent cut, petroliferous odor

1417-1424 DOLOMITE, becoming coarser and darker, tan to light brown to brown oil stain, microcrystalline to fine crystalline packstone to grainstone, occasional grading medium crystalline sucrosic grainstone, blocky, euhedral crystalline growth, poor to fair intercrystalline porosity with streaks of good micro sucrosic to sucrosic porosity with excellent crystalline relief, evidence of fracture surface with bituminous coatings, fair vug porosity with free clear medium to very coarse dolomite crystalline cluster and rhomb growth, scattered pyrite, minor gray SHALE partings, bright white yellow dry fluorescence, instant milky streaming thick yellow white solvent cut, strong petroliferous odor, oily sheen on sample

MUSKEG @ 1424.0m (-651.2m SubSea)

1424-1435 ANHYDRITE, off white to tan, gray, white pearly, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, microcrystalline to fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, bright yellow dry fluorescence, watery yellow green cut

1435-1455 ANHYDRITE, off white to tan, gray, white pearly, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, microcrystalline to fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

Sample Descriptions

1455-1470 ANHYDRITE, off white to tan, gray, white pearly, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, microcrystalline to fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

1470-1480 ANHYDRITE, becoming more gray, off white to tan, gray, white pearly, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, microcrystalline to fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

1480-1493.5 ANHYDRITE, off white to tan, gray, white pearly, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, microcrystalline to fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

M1 DOLOMITE @ 1493.5m (-720.7m SubSea)

1493.5-1498 DOLOMITE, tan to dark brown oil stain, microcrystalline to very fine crystalline grainstone, sucrosic in part, blocky, in part anhydritic, scattered pyrite, poor to fair intercrystalline porosity, bright yellow to gold dry fluorescence, watery green solvent cut

1498-1510 ANHYDRITE, off white to tan, gray, white pearly, mottled in part, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, cryptocrystalline to very fine crystalline packstone to grainstone, in part resinous, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

1510-1524.5 ANHYDRITE, off white to tan, gray, white pearly, in part mottled, cryptocrystalline, amorphous to blocky, in part fibrous, slightly dolomitic in part, firm, tight, DOLOMITE, tan to light brown, occasional brown, mottled, cryptocrystalline to very fine crystalline packstone to grainstone, anhydritic in part, blocky to occasional sucrosic, tight with streaks of poor intercrystalline porosity, yellow to gold dry fluorescence, questionable cut

Sample Descriptions

KEG RIVER @ 1524.5m (-751.7m SubSea)

1524.5-1542 DOLOMITE, tan to brown, occasional dark brown oil stain, predominantly microcrystalline to very fine crystalline grainstone with streaks of fine to medium, euhedral crystalline growth, occasional free clear dolomite medium crystalline cluster growth along cutting surfaces and free rhombs suggests growth into voids, good crystalline relief, sandy granular appearance, scattered fair vug porosity, poor to fair intercrystalline porosity, dull yellow to yellow gold dry fluorescence, weak watery yellow cut, petroliferous odor

BASE OF KEG RIVER POROSITY @ 1542.0m (-769.2m SubSea)

1542-1555 DOLOMITE, light to dark brown, occasional gray to gray brown, microcrystalline to very fine crystalline packstone to grainstone, granular appearance, resinous in part, blocky, firm, tight to poor intercrystalline porosity, questionable show

1555-1565 DOLOMITE, light to dark brown, occasional gray to gray brown, microcrystalline to very fine crystalline packstone to grainstone, granular appearance, resinous in part, blocky, firm, tight to poor intercrystalline porosity, questionable show

1565-1580.5 DOLOMITE, becoming darker brown than as above, microcrystalline to very fine crystalline packstone to grainstone, streaks of fine to medium crystalline sucrosic grainstone, poor to fair sucrosic intercrystalline porosity, scattered poor vug porosity, evidence of fractures with bituminous coating on cutting surfaces, occasional free clear euhedral dolomite crystalline clusters, in part resinous, bituminous, spotty pale yellow fluorescence, weak yellow watery cut

1580.5-1589.4 LIMESTONE, light gray brown to brown, cryptocrystalline to microcrystalline mudstone to wackestone, argillaceous, slightly bituminous, dolomitic in part, scattered bioclastic debris?, dense, tight, questionable show, DOLOMITE, brown to dark brown, microcrystalline to fine crystalline packstone to grainstone, tight to streaks of poor intercrystalline porosity, spotty pale yellow fluorescence, weak cut

TOTAL DEPTH @ 1589.4m (-816.6m SubSea)



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

Well Name: Para et al Cameron A-03

Location: Unit A Section 03 Grid Area: Lat 60° 10' N Long 117° 30' W

Licence Number: 2047

Region: Cameron Hills, NWT

Spud Date: Feb 10, 2007 @ 08:30

Drilling Completed: Feb 18, 2007 @ 21:15

Surface Coordinates: Latitude: 60° 02' 12.3" North
Longitude: 117° 30' 0.9" West

Bottom Hole Coordinates

Ground Elevation (m): 767.4m

K.B. Elevation (m): 772.8m

Logged Interval (m): 1295m To: 1589.4m Total Depth (m): 1589.4m

Formation: Primary = Keg River porosity Secondary = Sulphur Pt. DOL

Type of Drilling Fluid: Gel Chemical

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Paramount Resources Ltd.

Address: 4700 Bankers Hall West

888 3rd Street S.W.

Calgary, Alberta T2P 5C5

GEOLOGIST

Name: Brad Powell, B.Sc.

Company: DeesCo Consulting

Address: #8, 914 - 20th Street S.E.

Calgary, Alberta T2G 5P5

(403) 861-0838

Comments

This well was drilled by Precision Drilling Rig #220.

Paramount AFE #06N7100031

A Wellsite Gas Detection dual curve gas detector was run.

Logging data provided by Weatherford Wireline.

Logging Run #1: STI-SP-MRT-SPED-CNT-GR-BHS-CAL

Porosities displayed on a DOLOMITE scale 1412-1590m.

Porosities displayed on a LIMESTONE scale 1290-1412m.

Induction curves calculated for a "Salty Model" mud system.

This well was cased with 139.7mm casing.

This well was primarily drilled for water disposal purposes.

ROCK TYPES



Anhy
Bent
Brec
Chtlt&dk
Cht



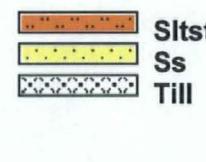
Clyst
Coal
Congl
Dol
Gyp



Igne
Lime mud
Lmst
Meta
Mrst



Salt
Shorg
Shale
Shcol
Shgy



Sltst
Ss
Till

ACCESSORIES

MINERAL

	Anhy
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol
	Feldspar
	Ferrpel
	Ferr
	Gyp
	Hvymin

Kaol, Marl, Minxl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Quartz, Mmica, Micromica, and Glau.

	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff
	Quartz
	Mmica
	Micromica
	Glau

	FOSSIL
	Algae
	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Echin
	Foram
	Fossil
	Gastro
	Oolite

	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom

	Sltstrg
	Ssstrg

	TEXTURE
	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

POROSITY
 E Earthy
 F Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint

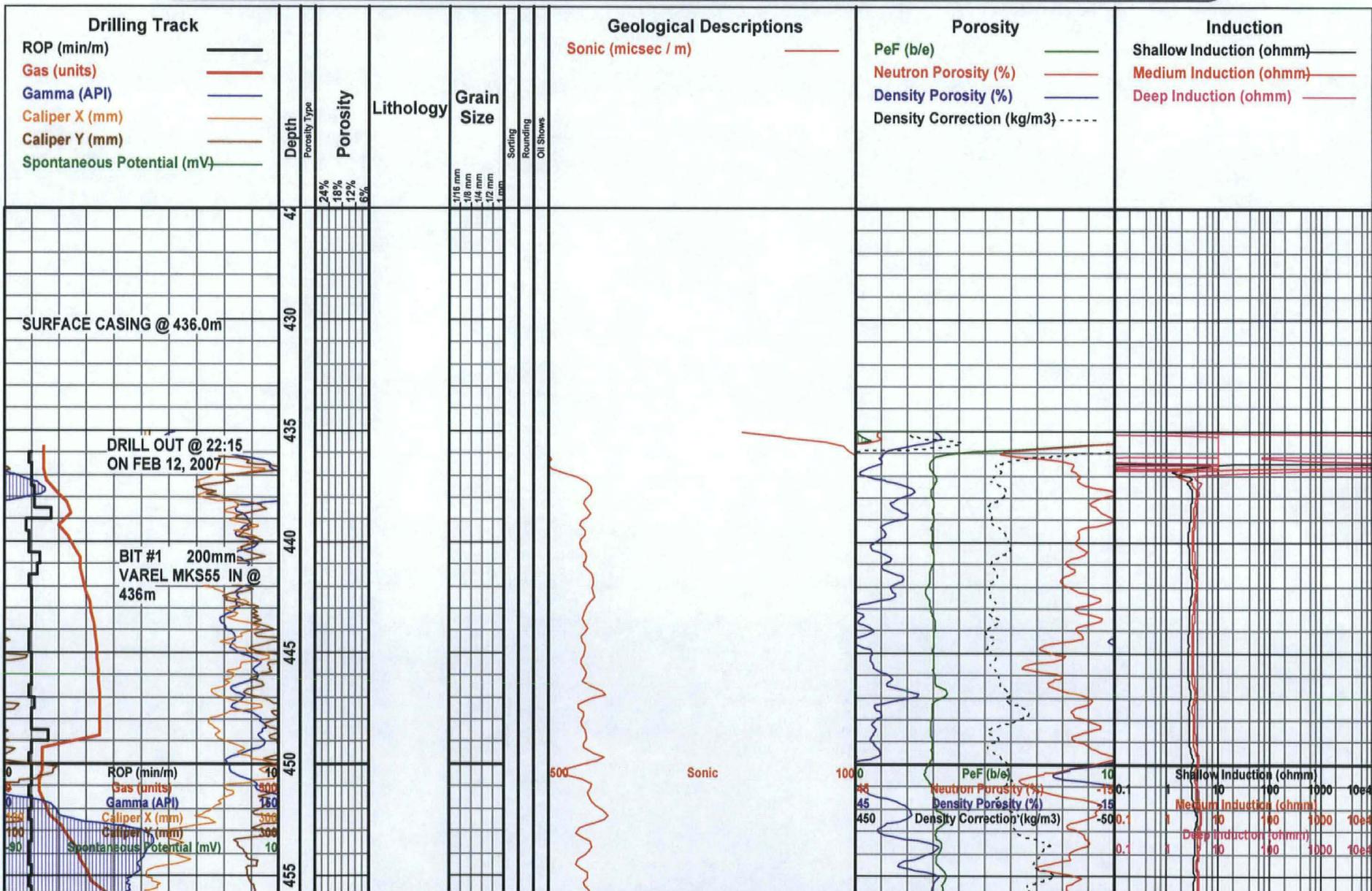
V Vuggy
SORTING
 W Well
 M Moderate
 P Poor

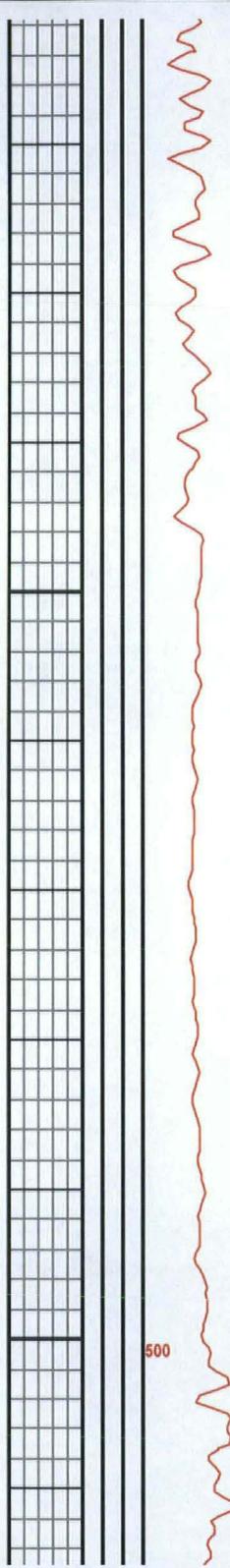
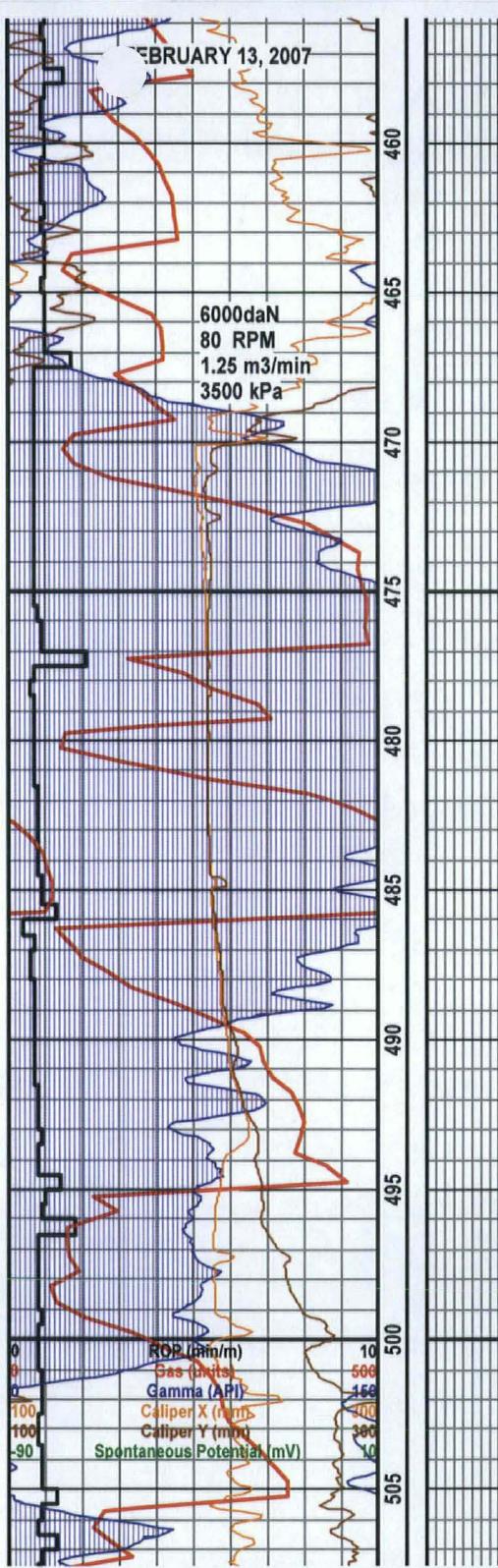
ROUNDING
 R Rounded
 S Subrnd
 a Subang
 A Angular

O OIL SHOW
 Even

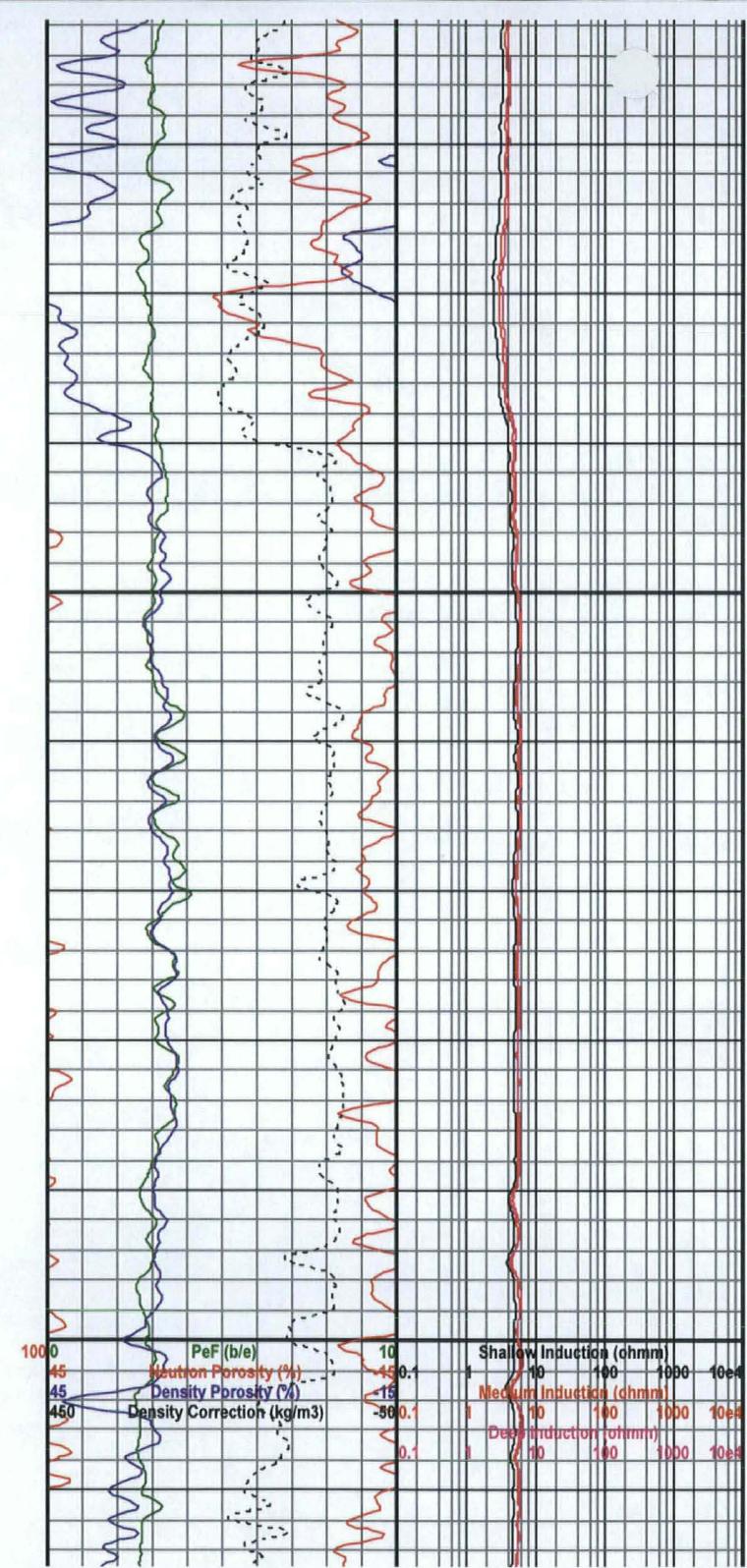
Spotted
 Ques
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INTERVAL
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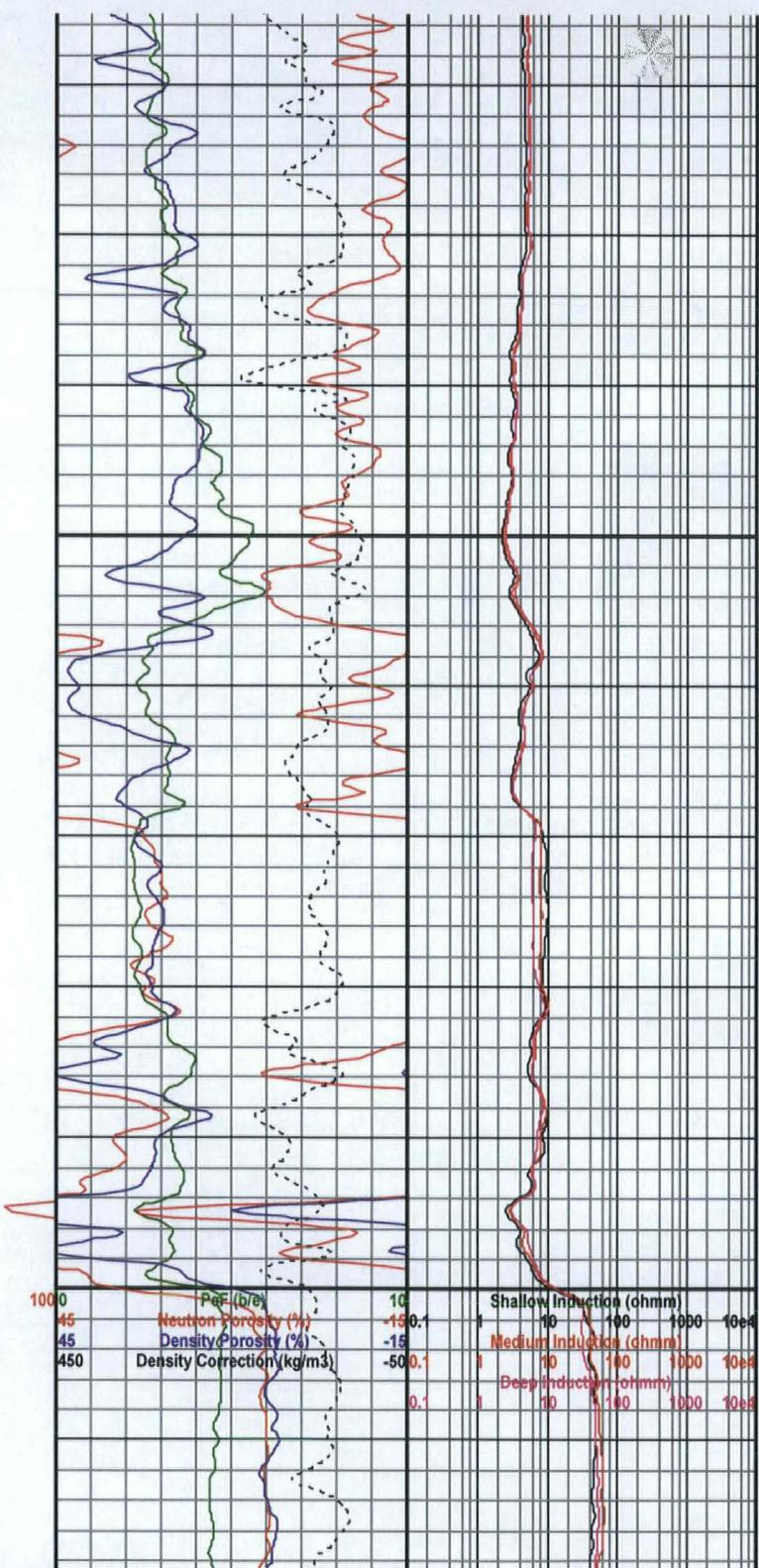
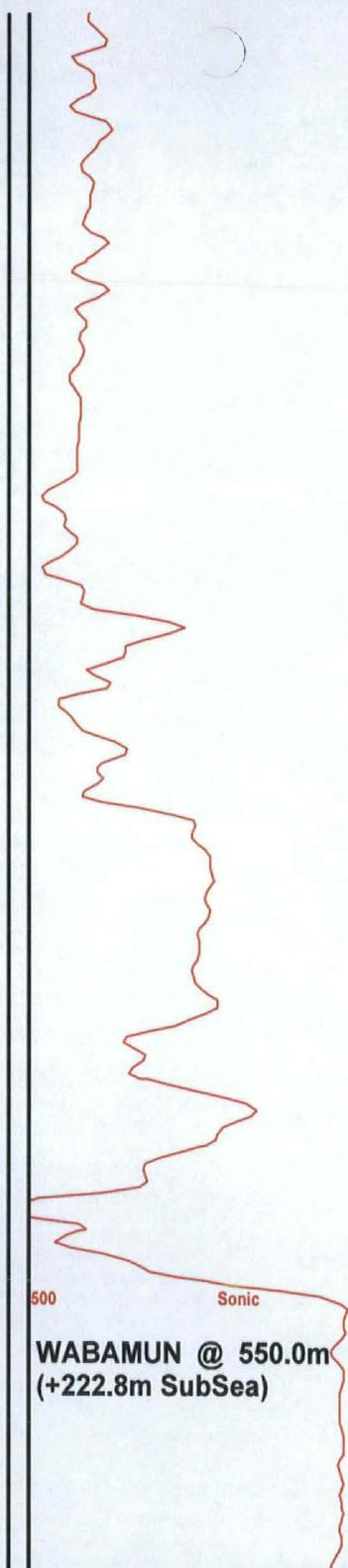
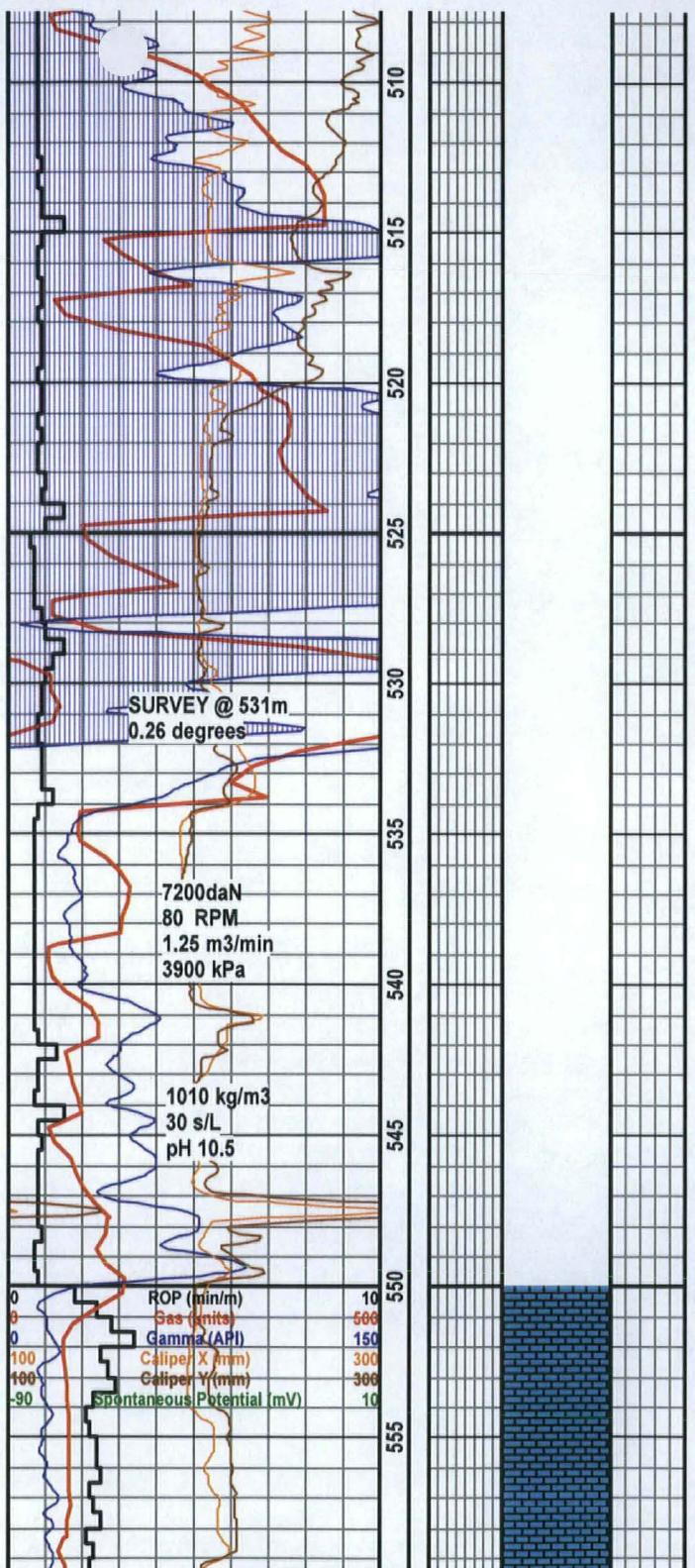
Rft
 Sidewall

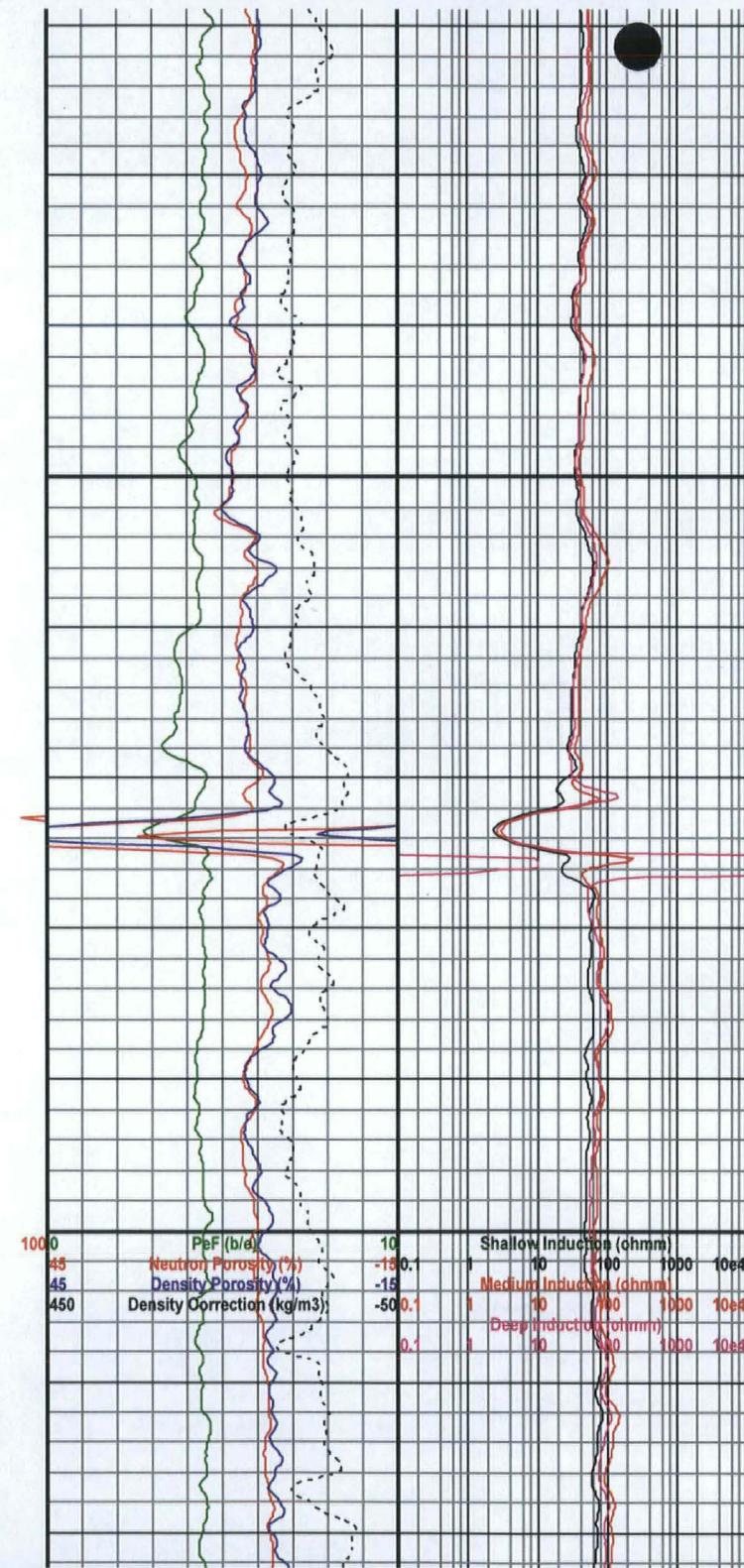
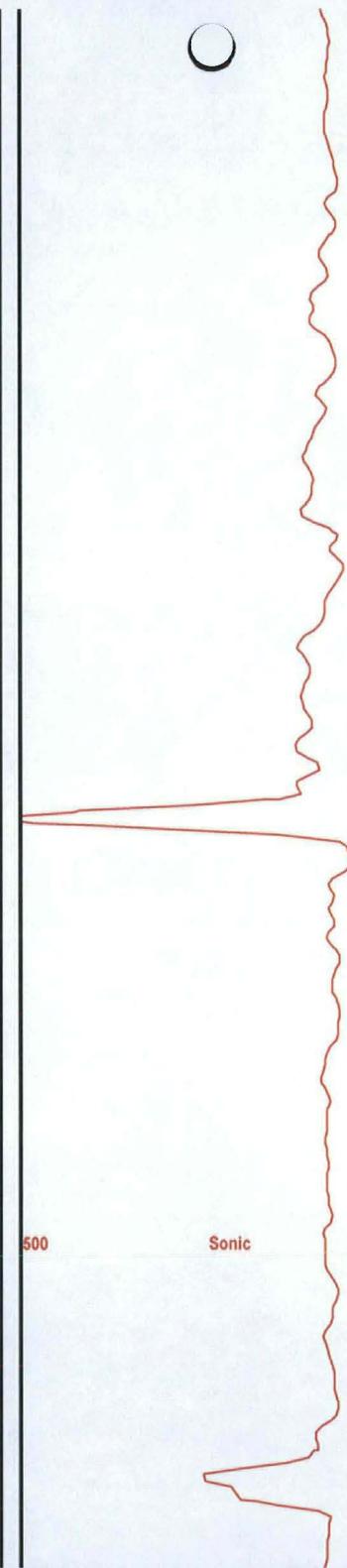
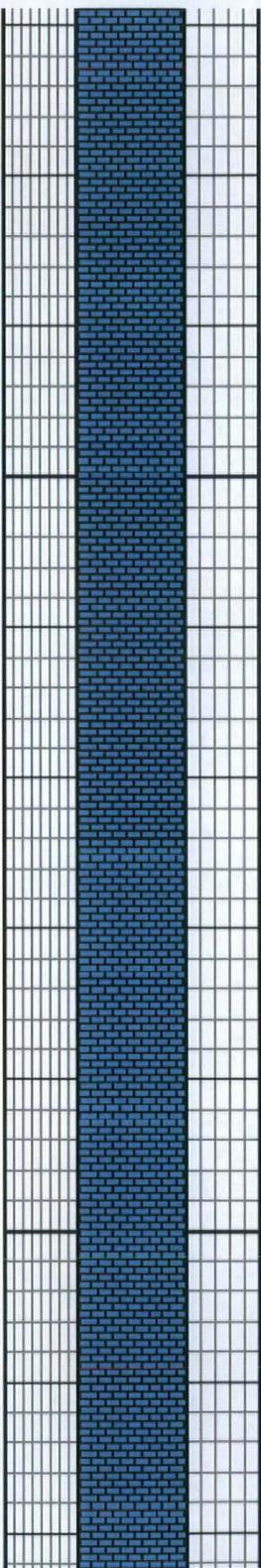
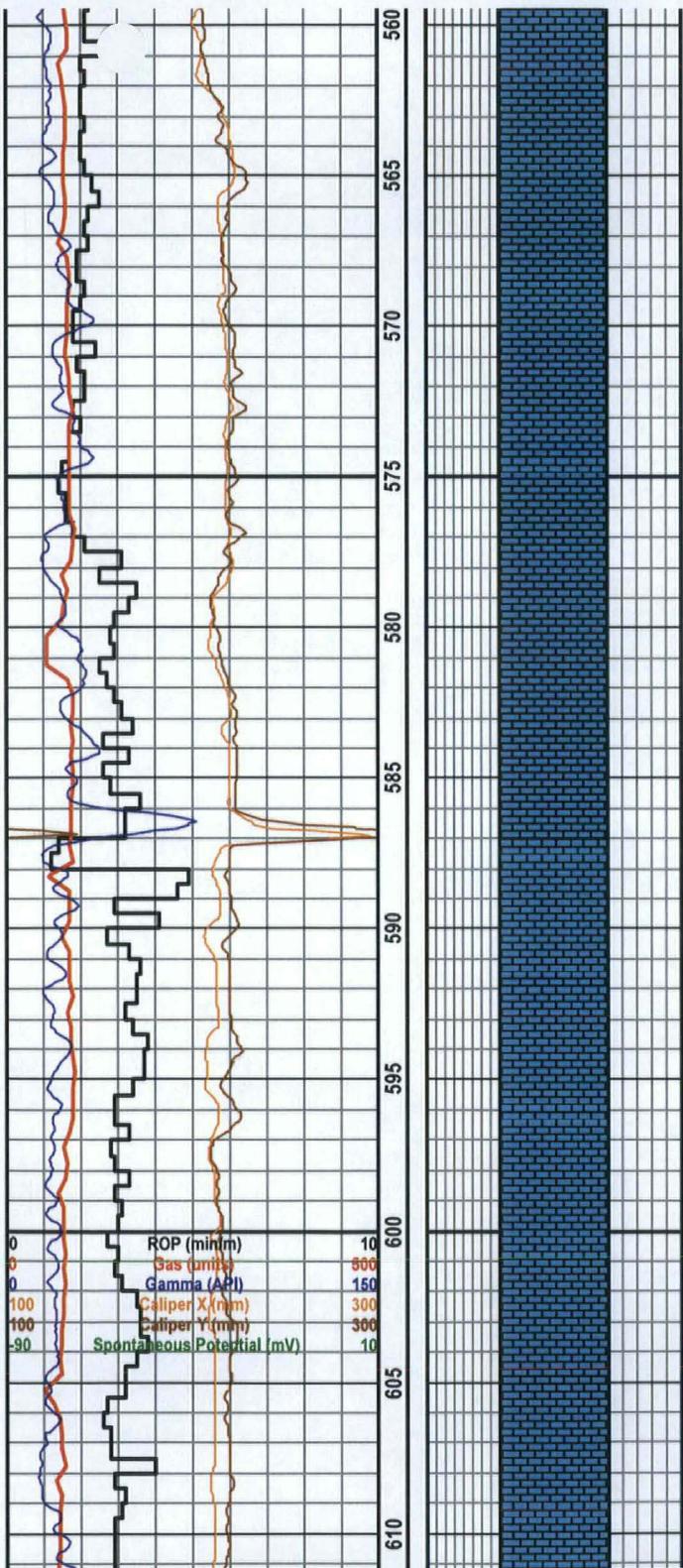


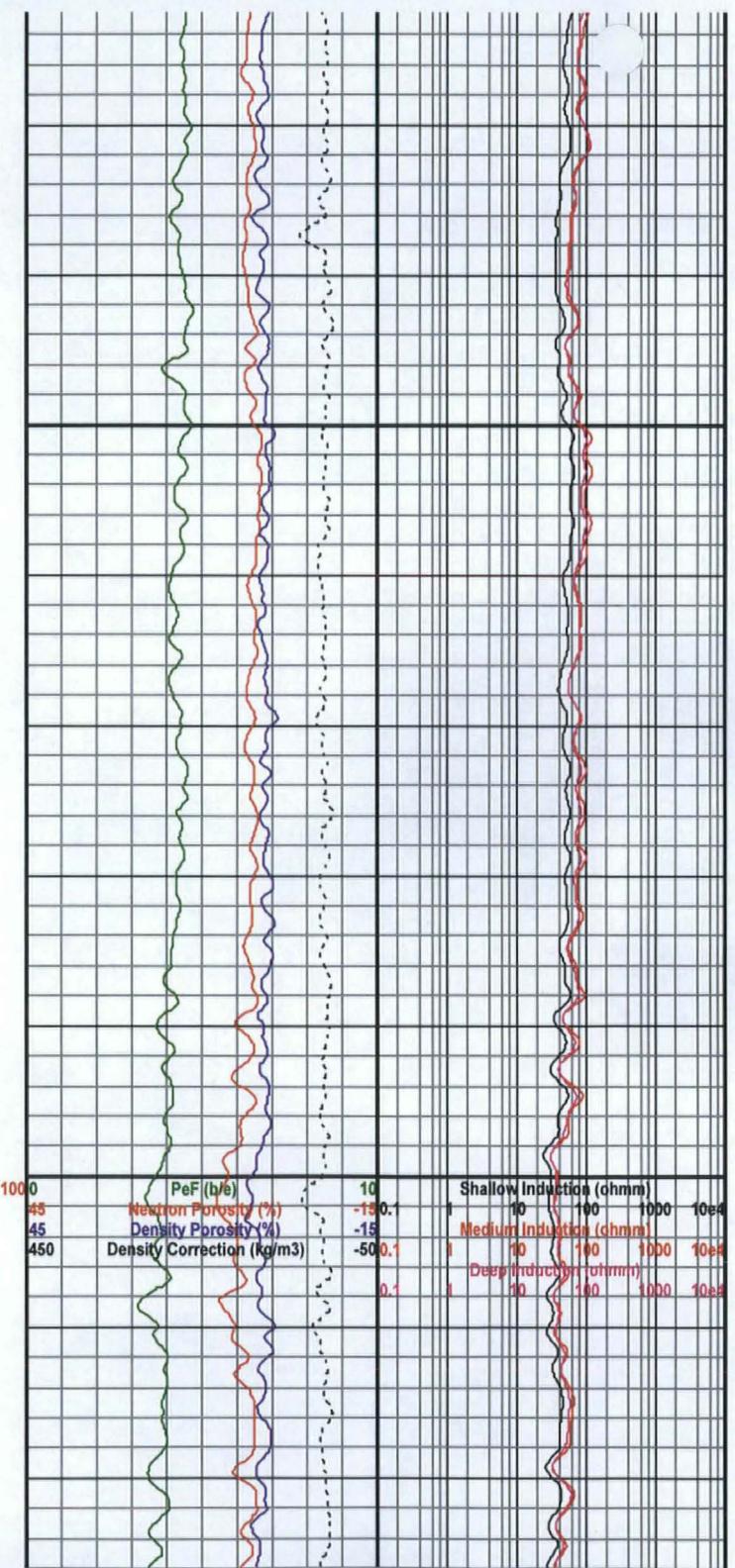
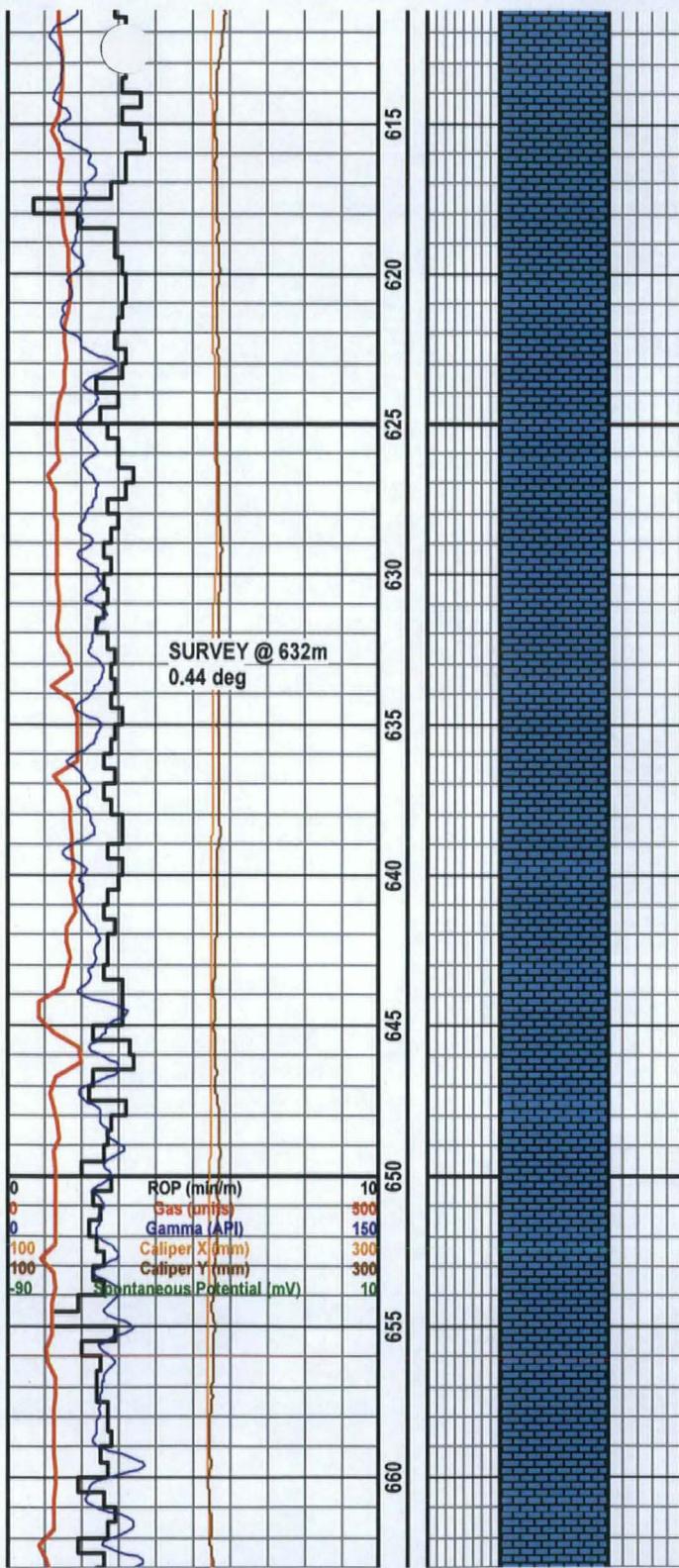


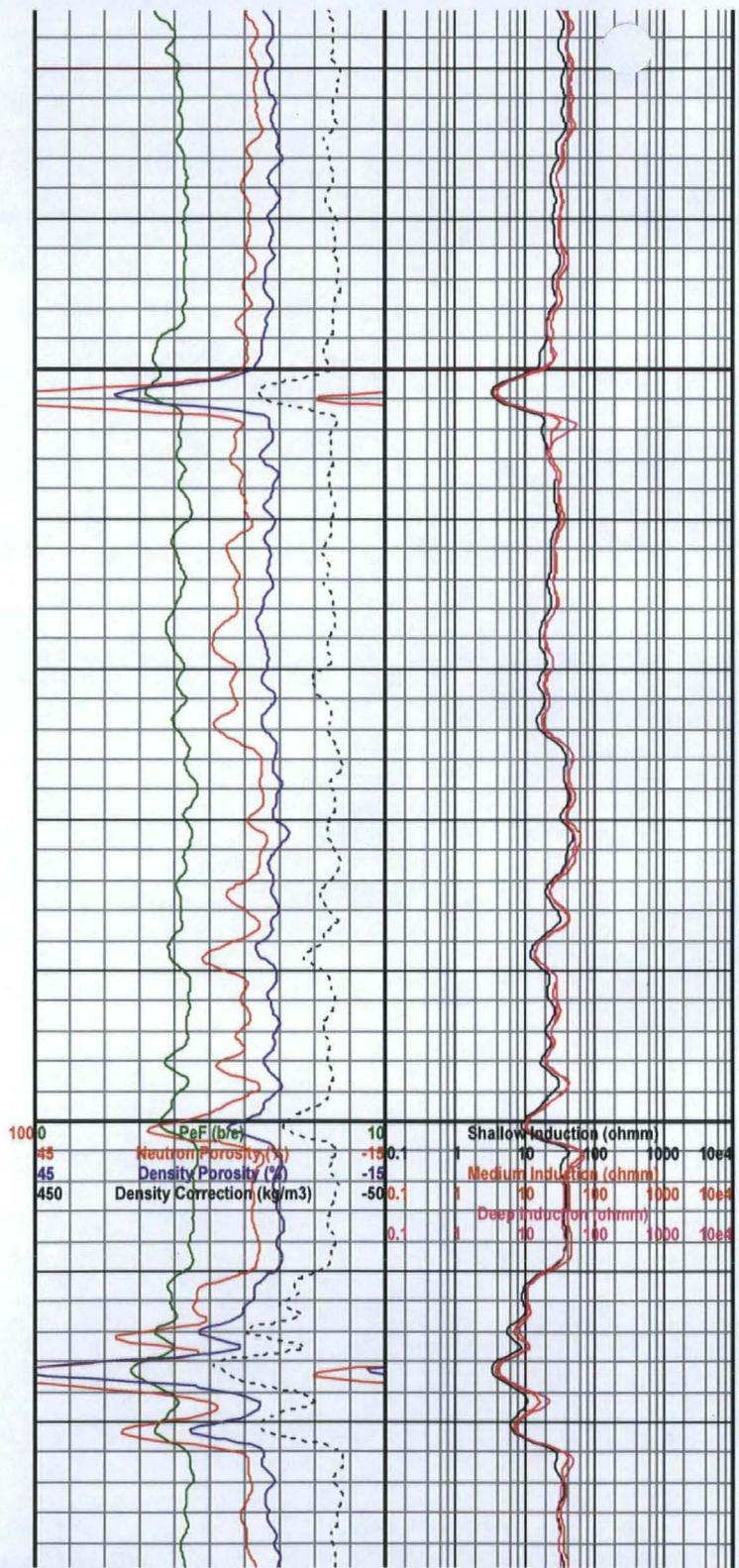
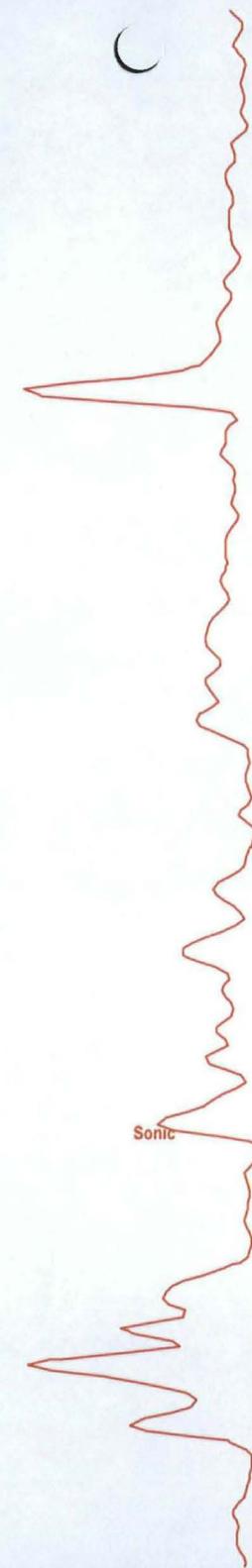
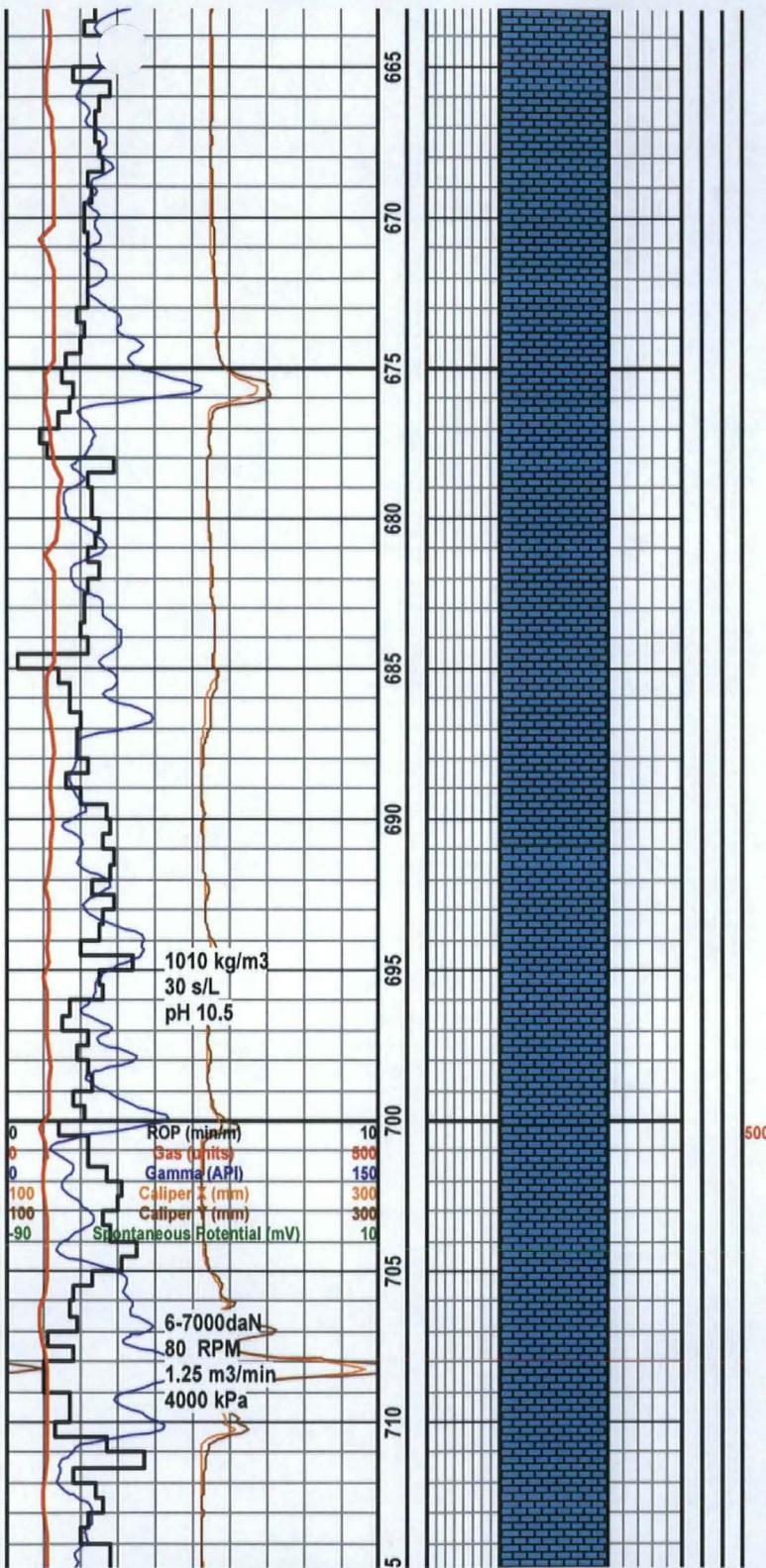
Sonic

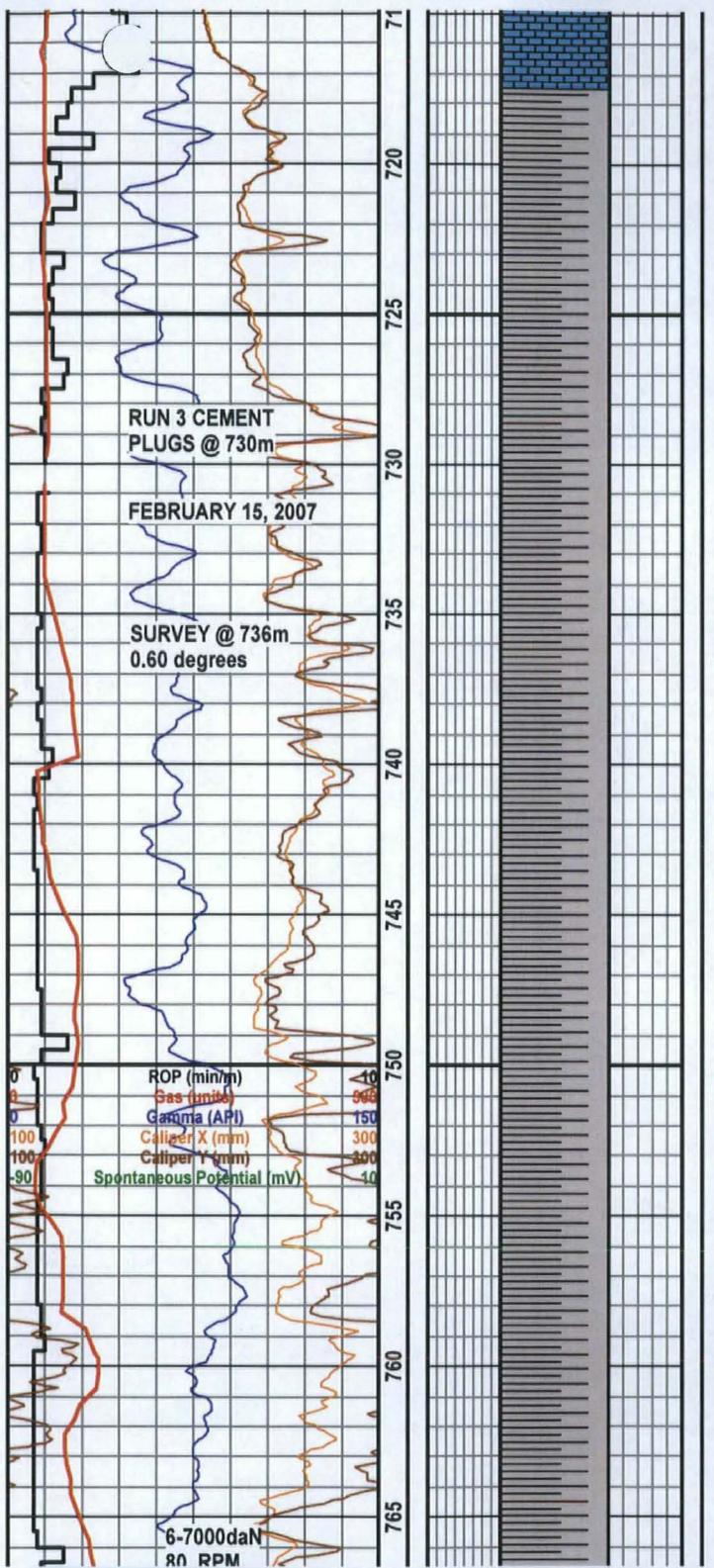




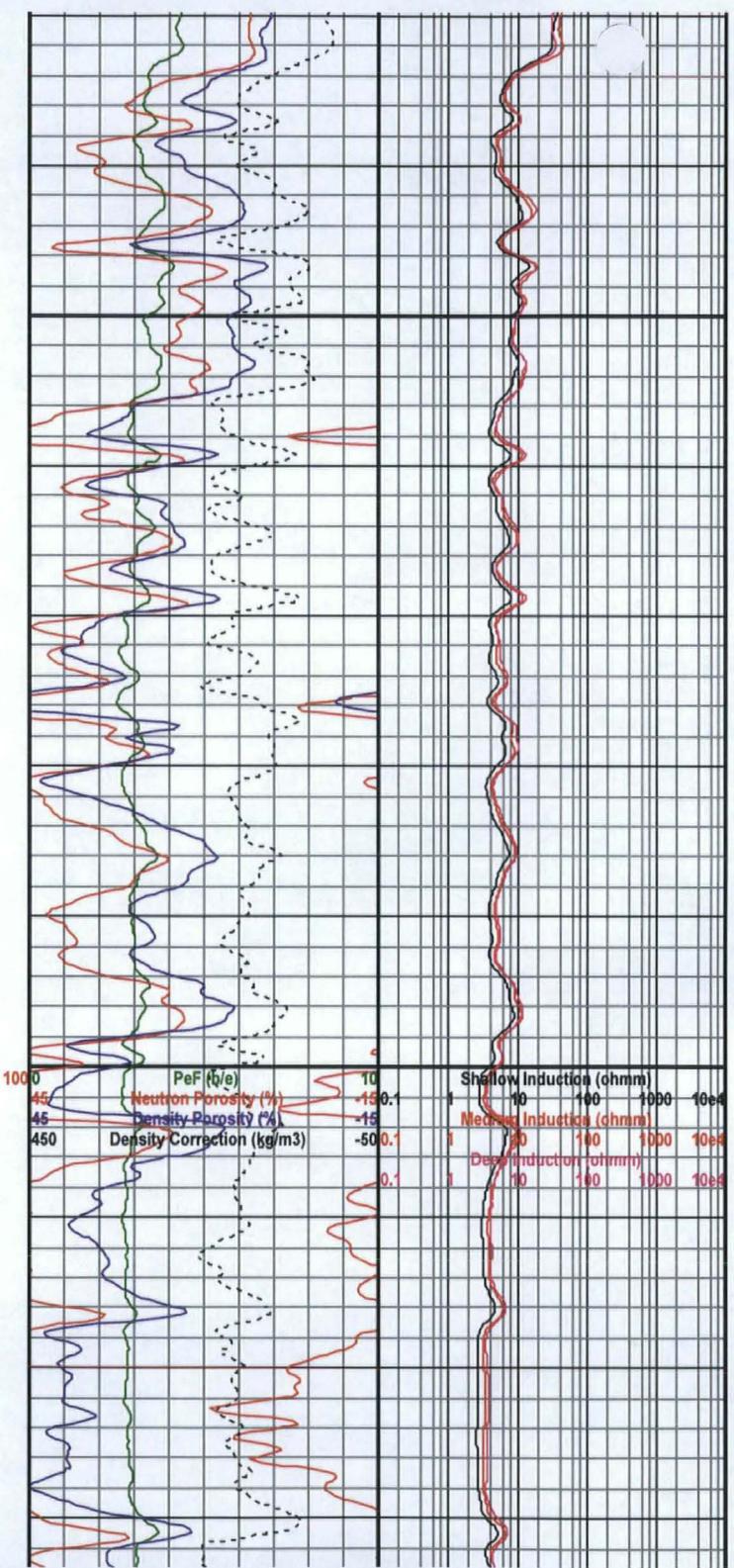
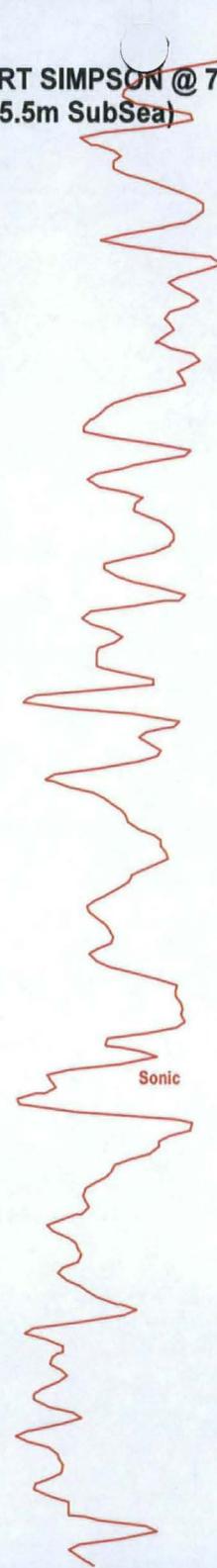


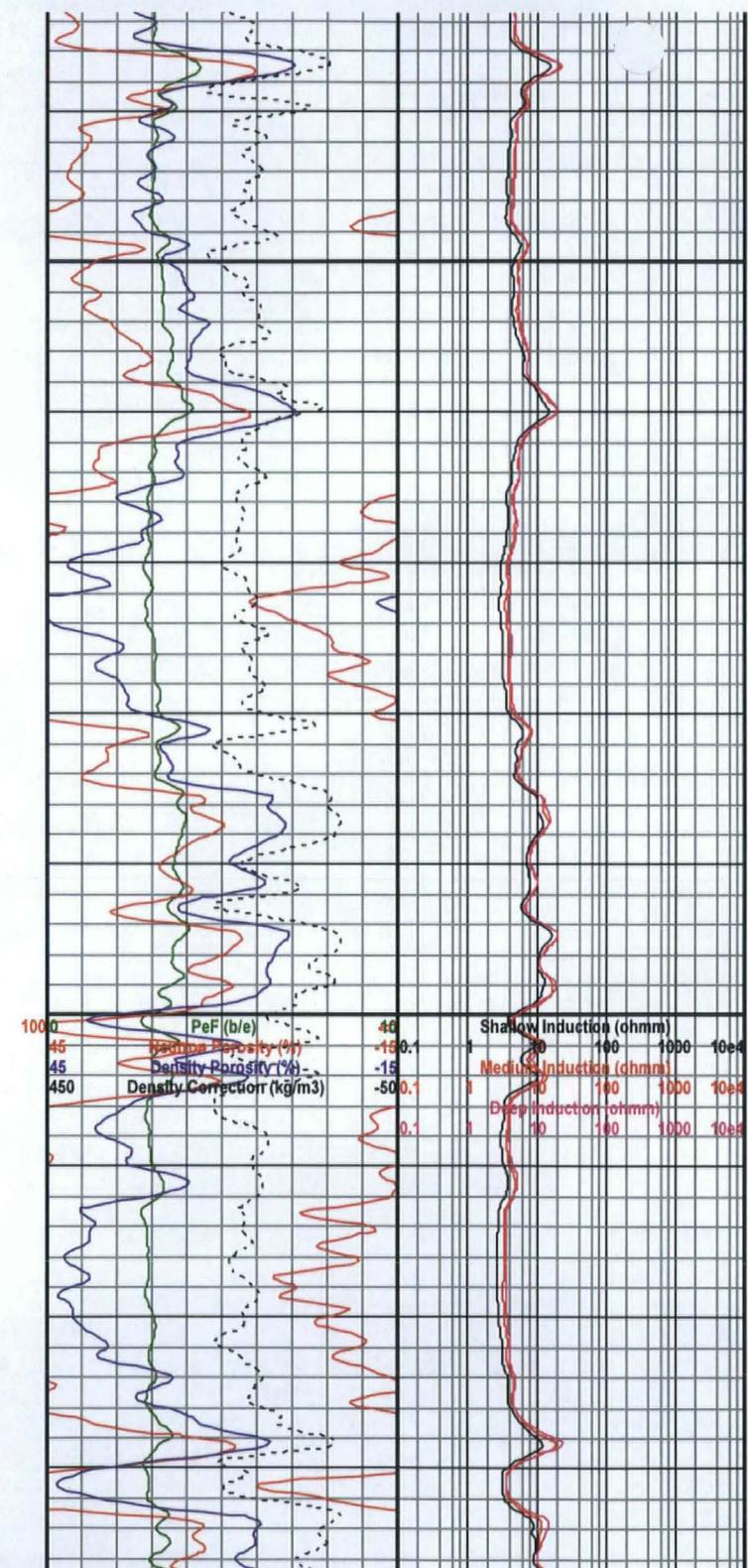
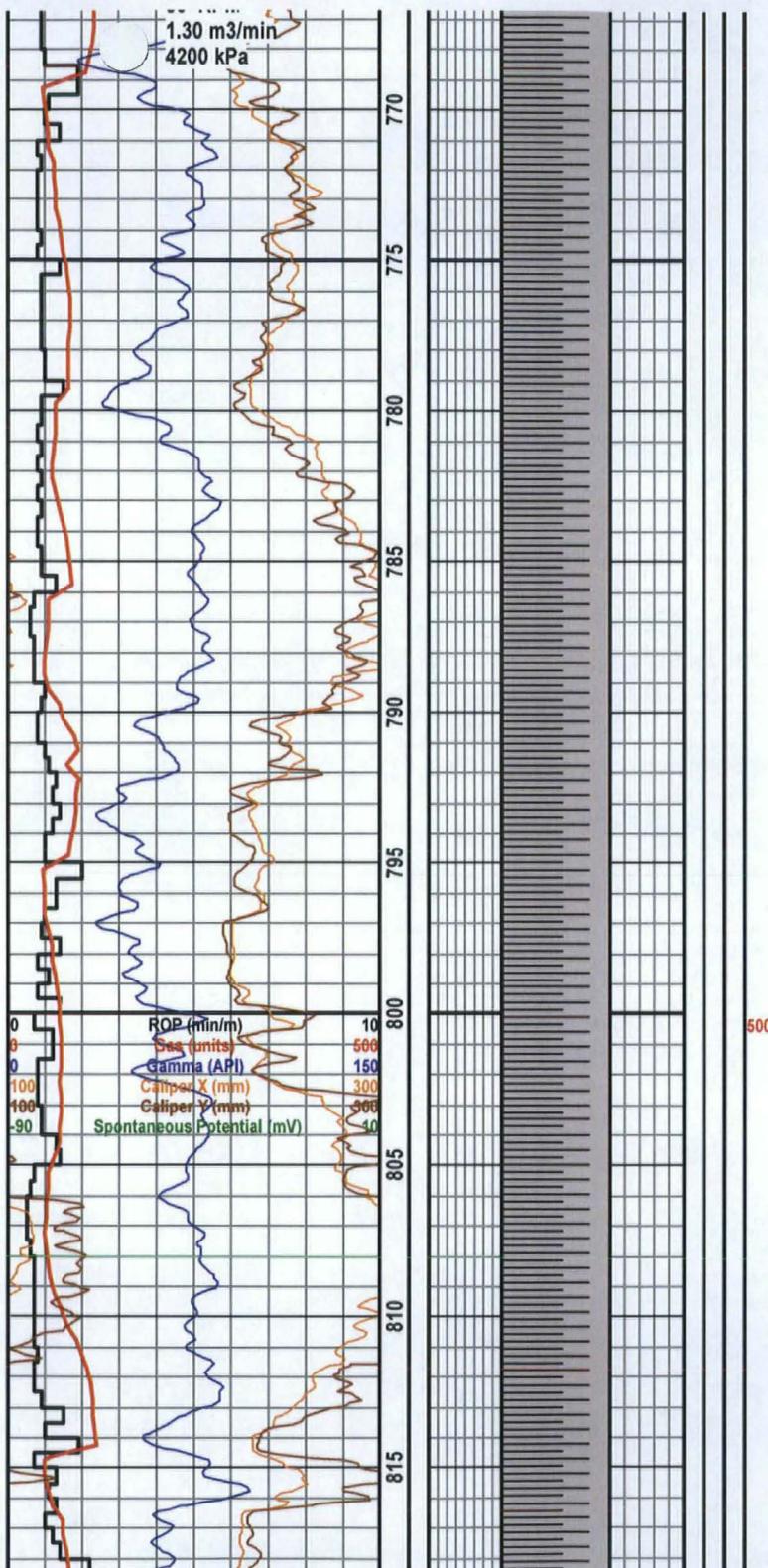


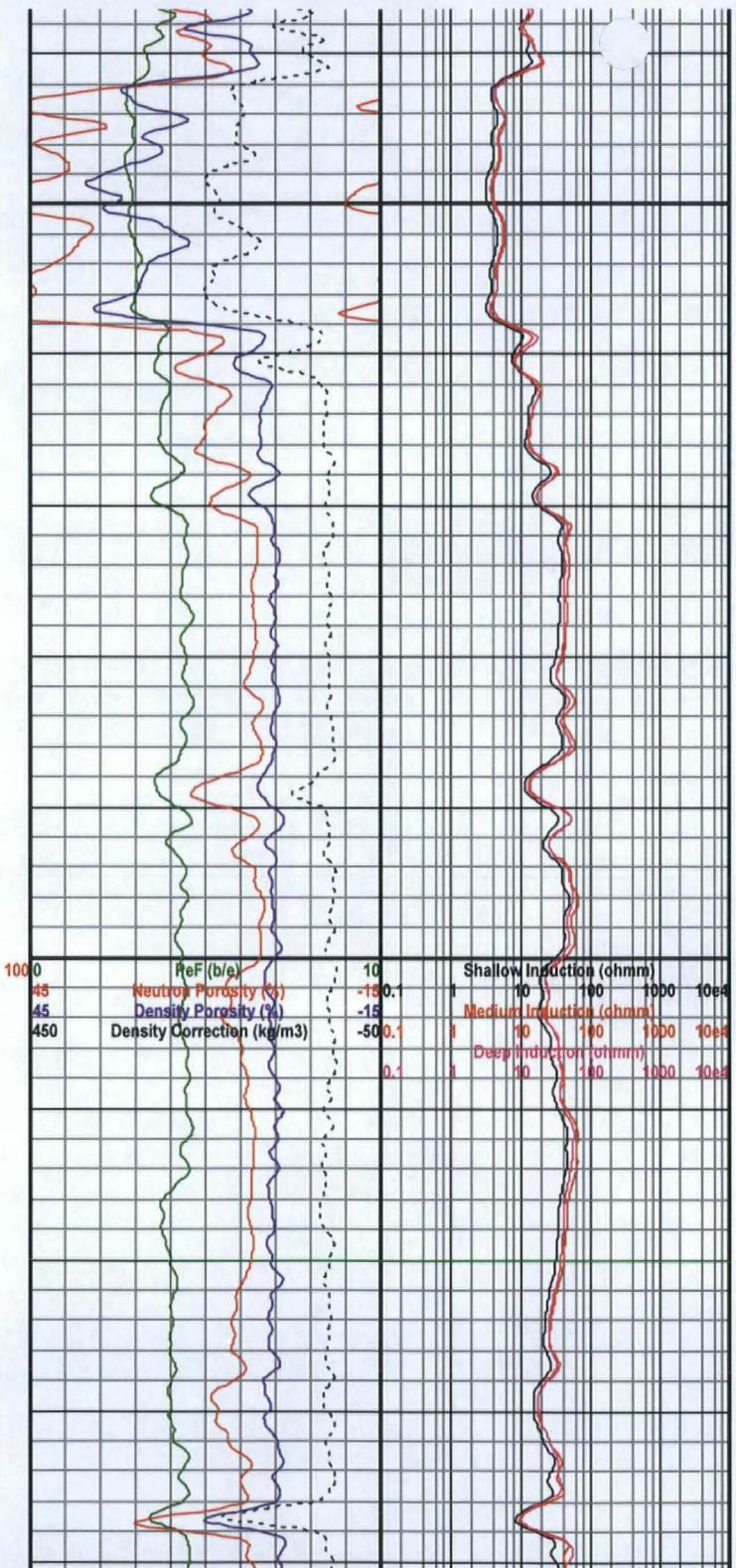
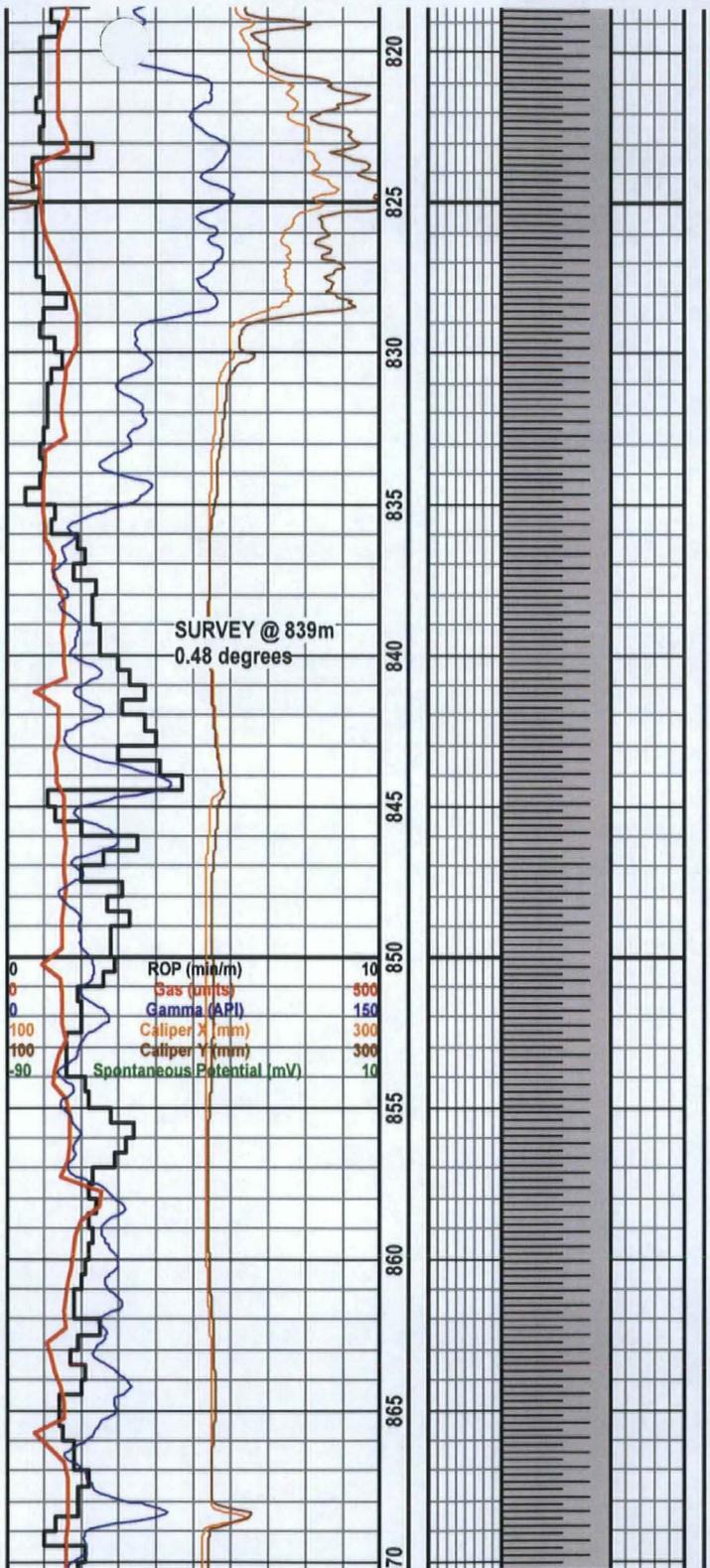


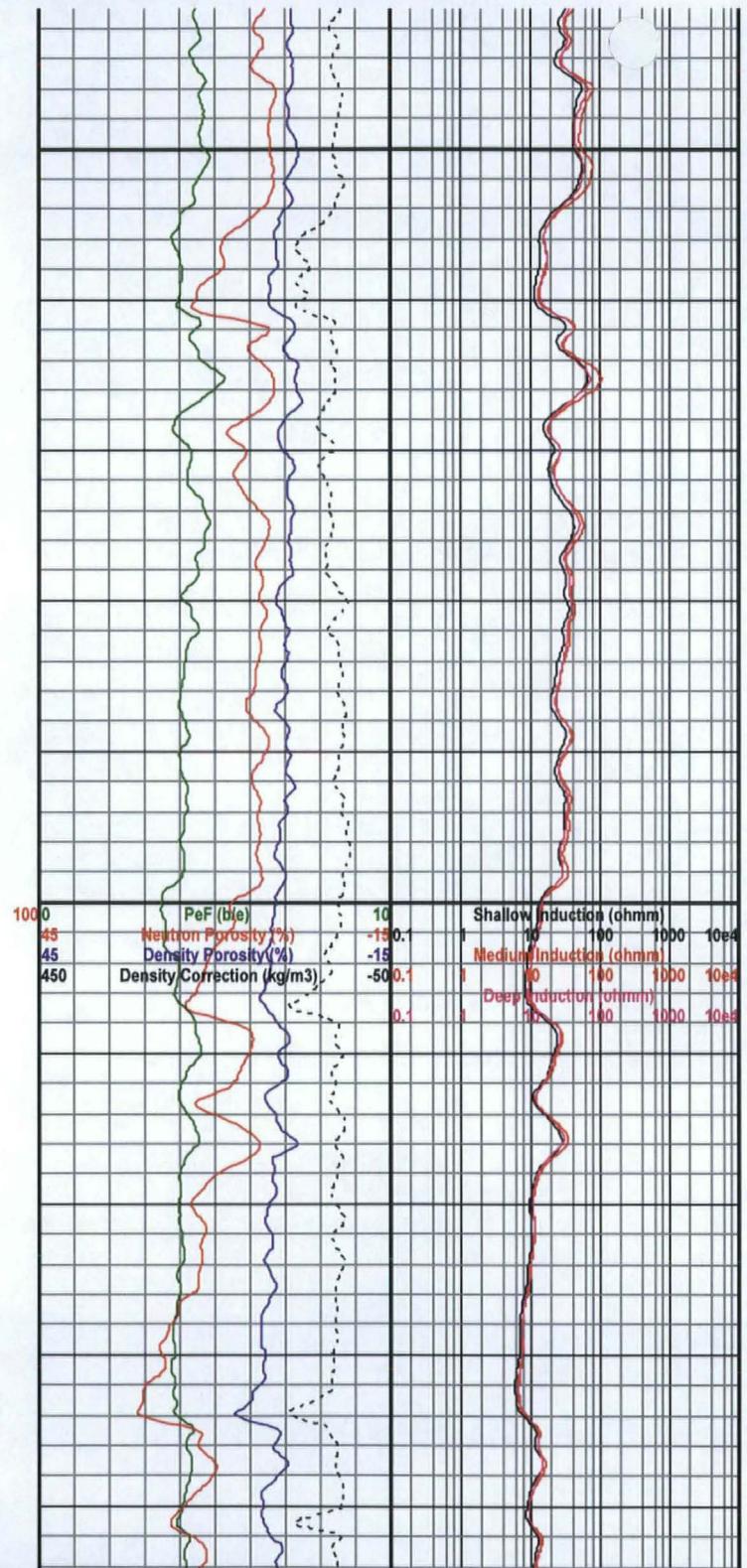
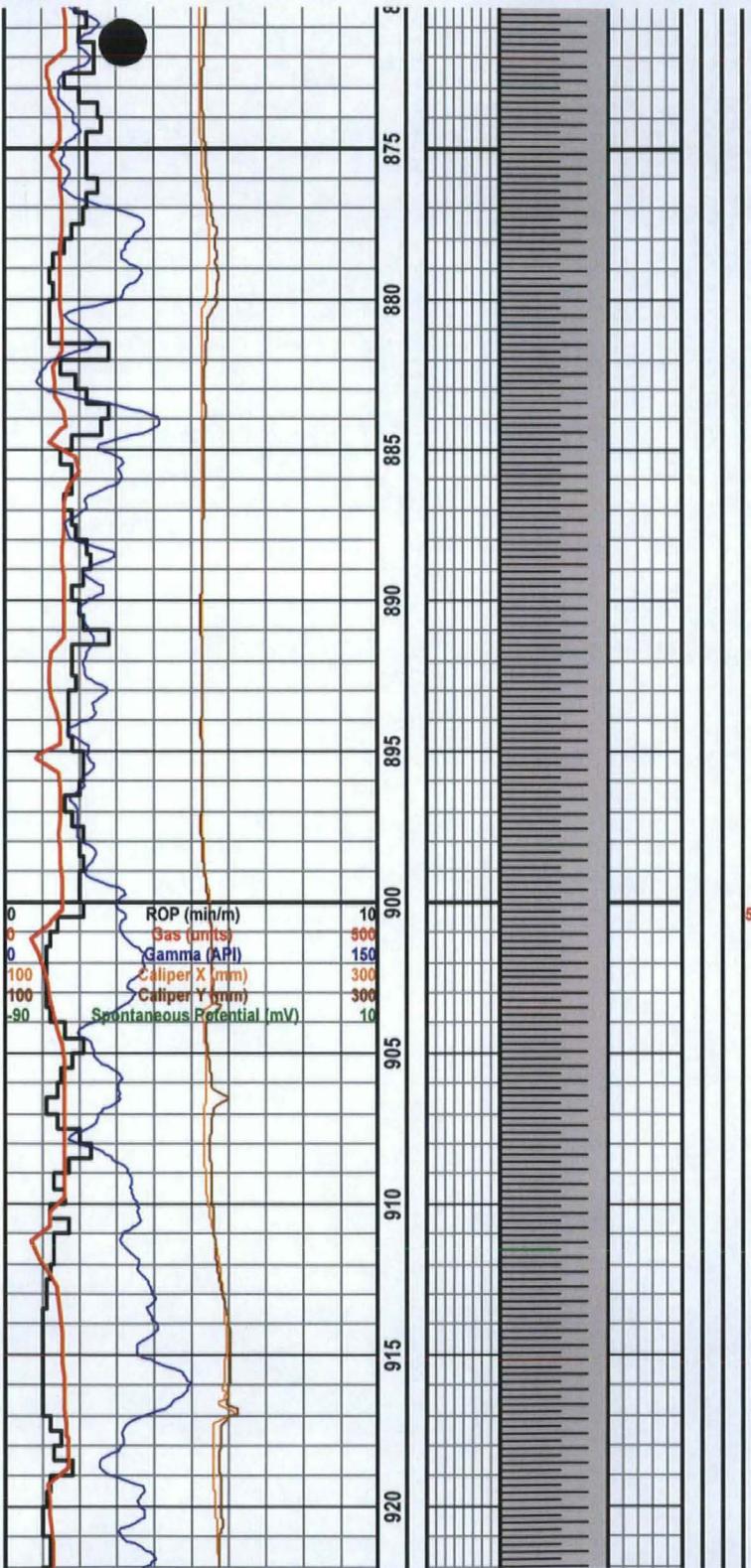


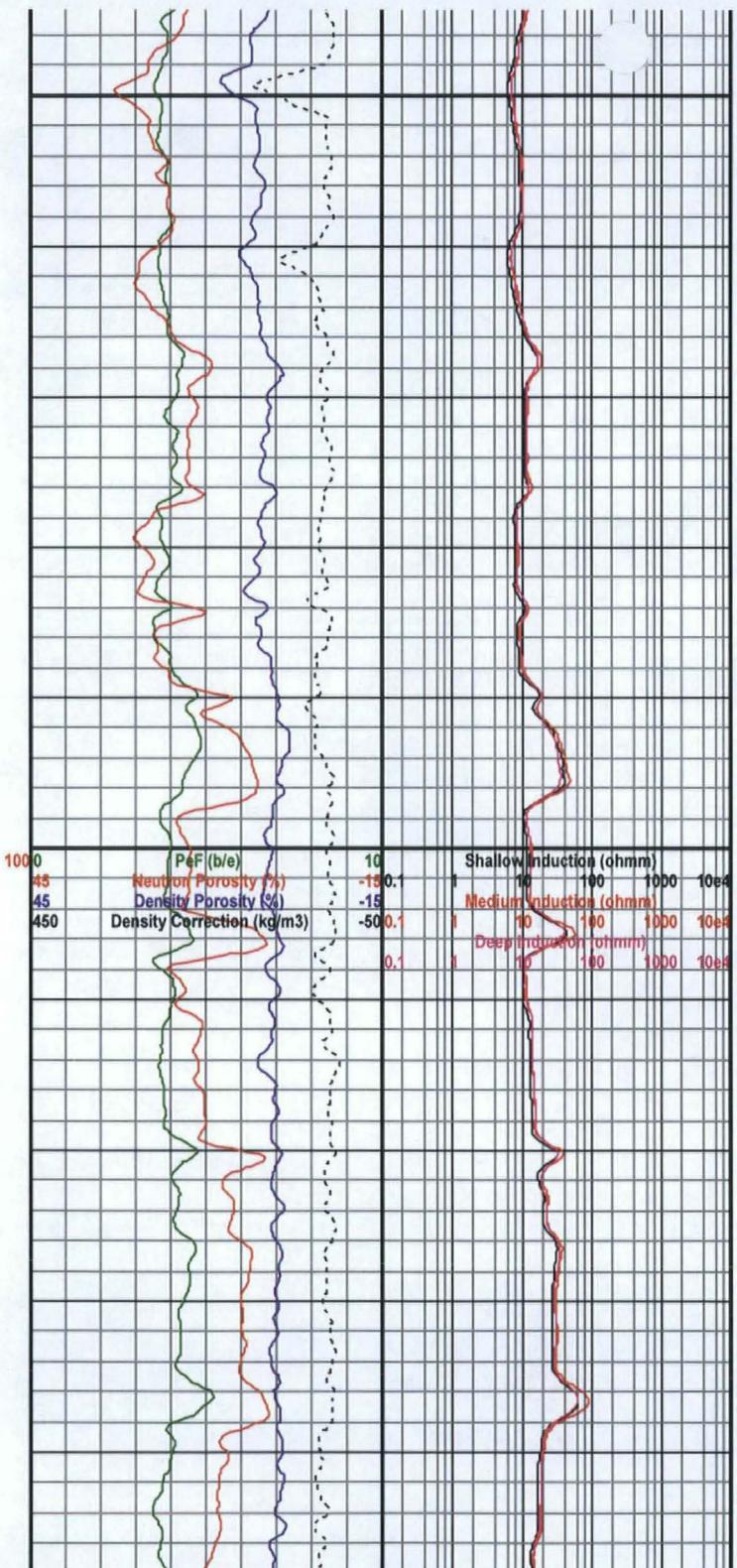
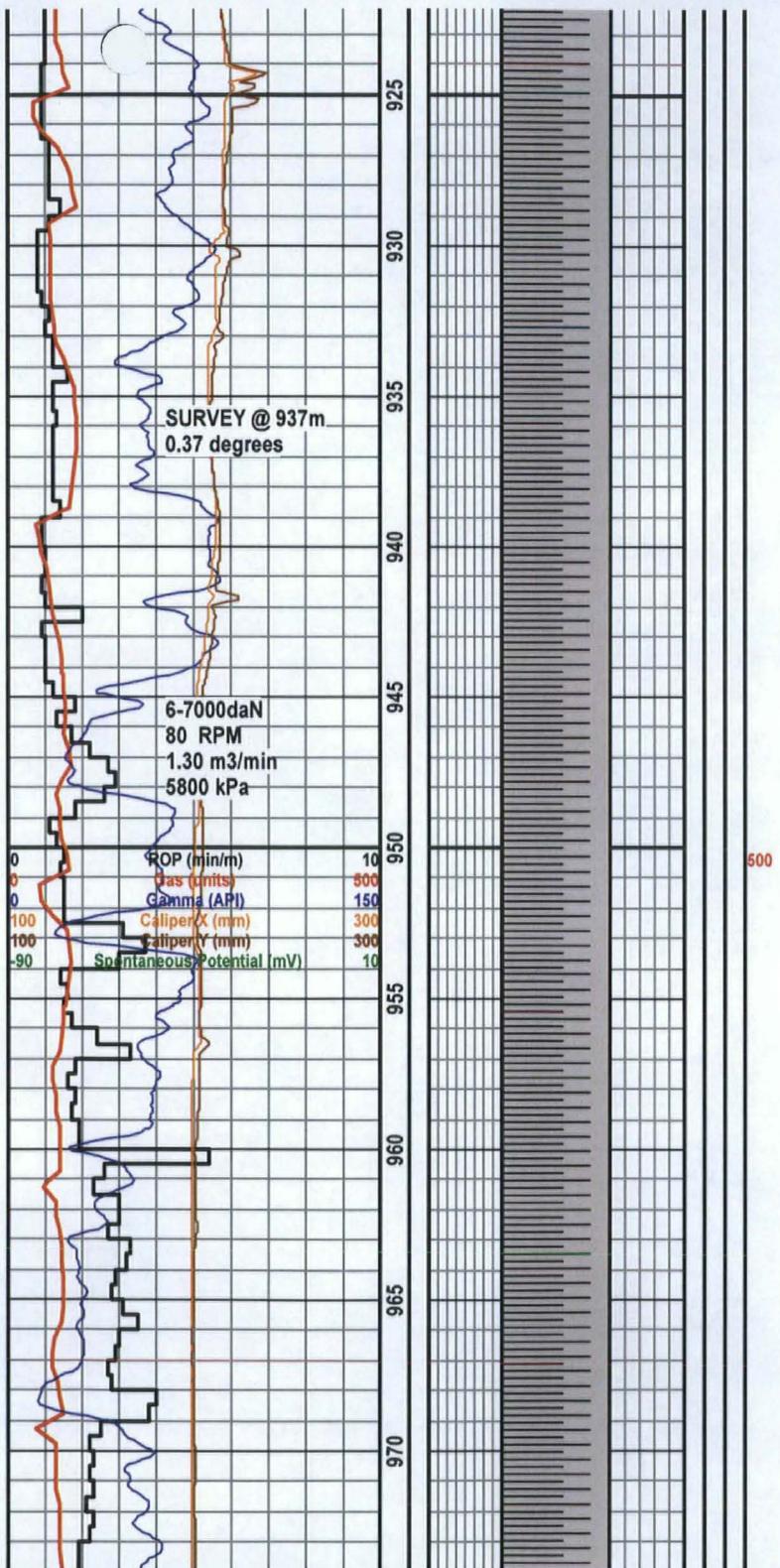
~~FORT SIMPSON @ 717.3m
(+55.5m SubSea)~~

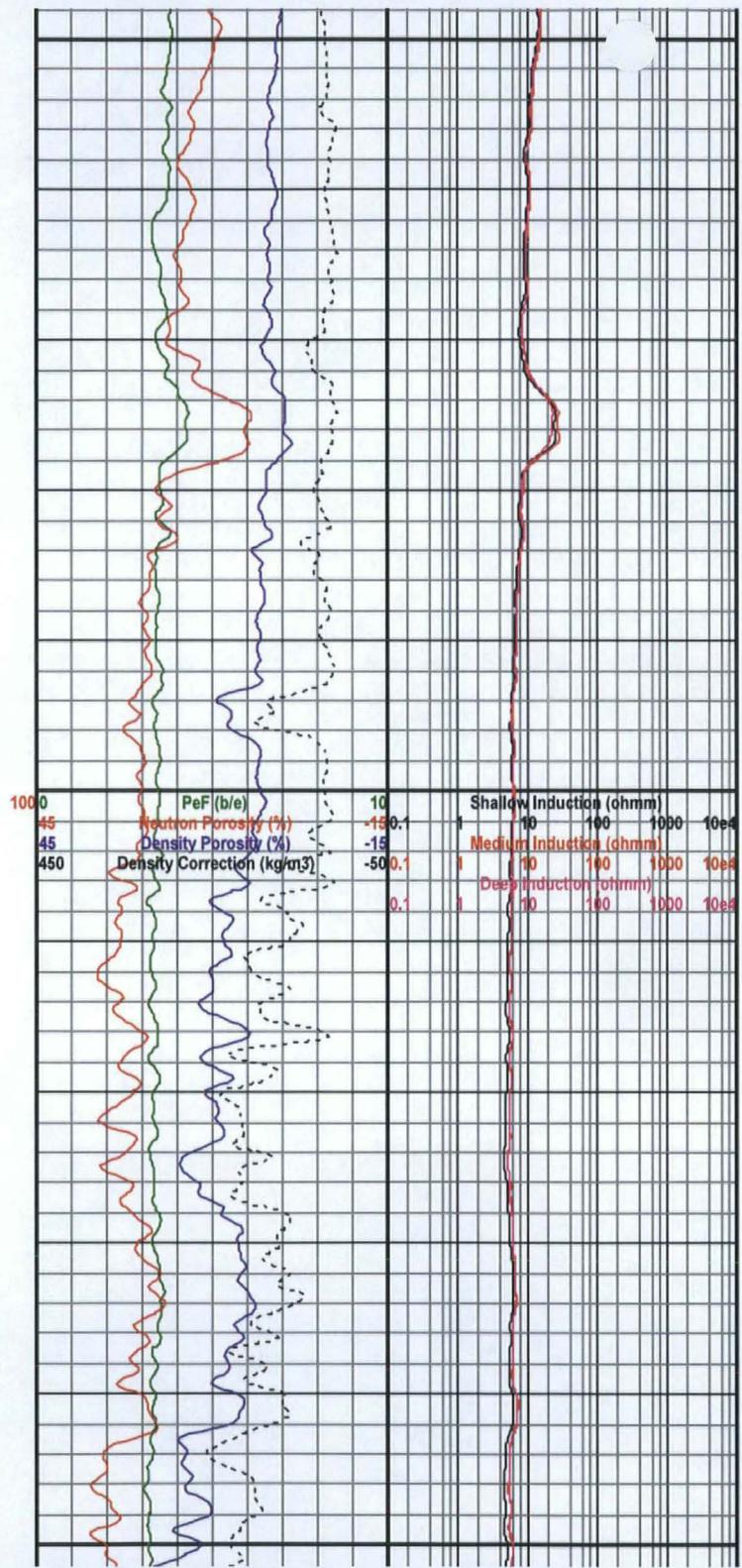
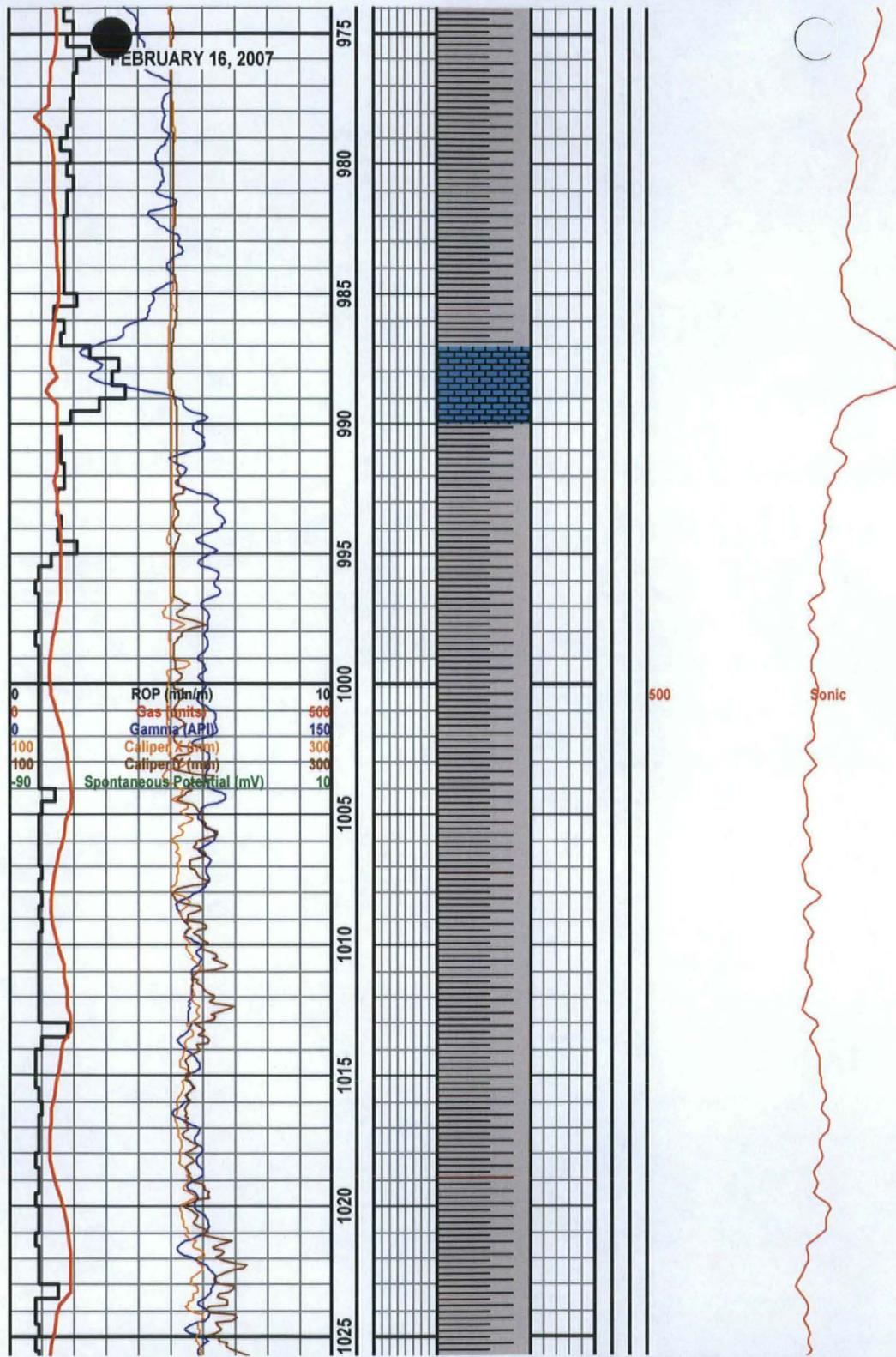


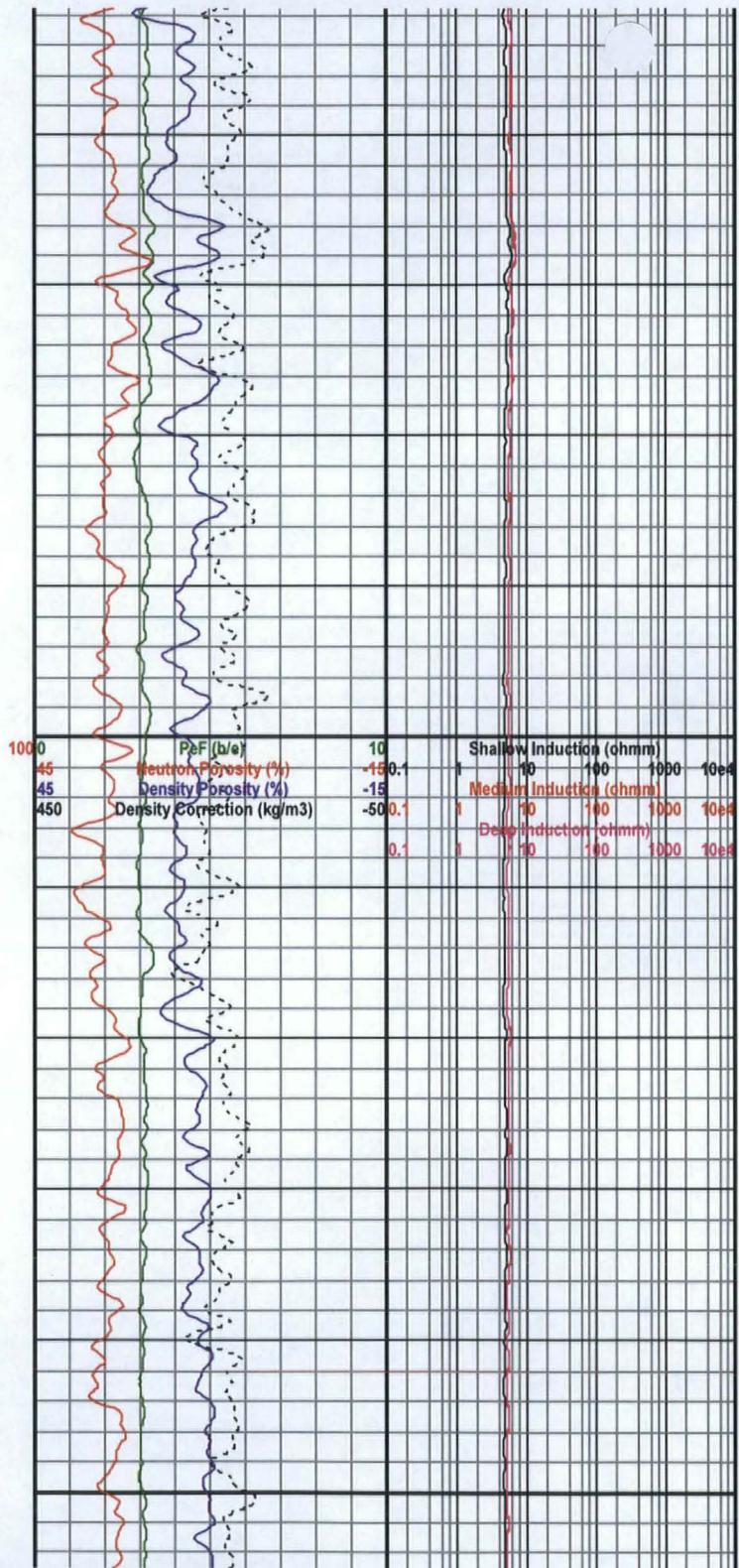
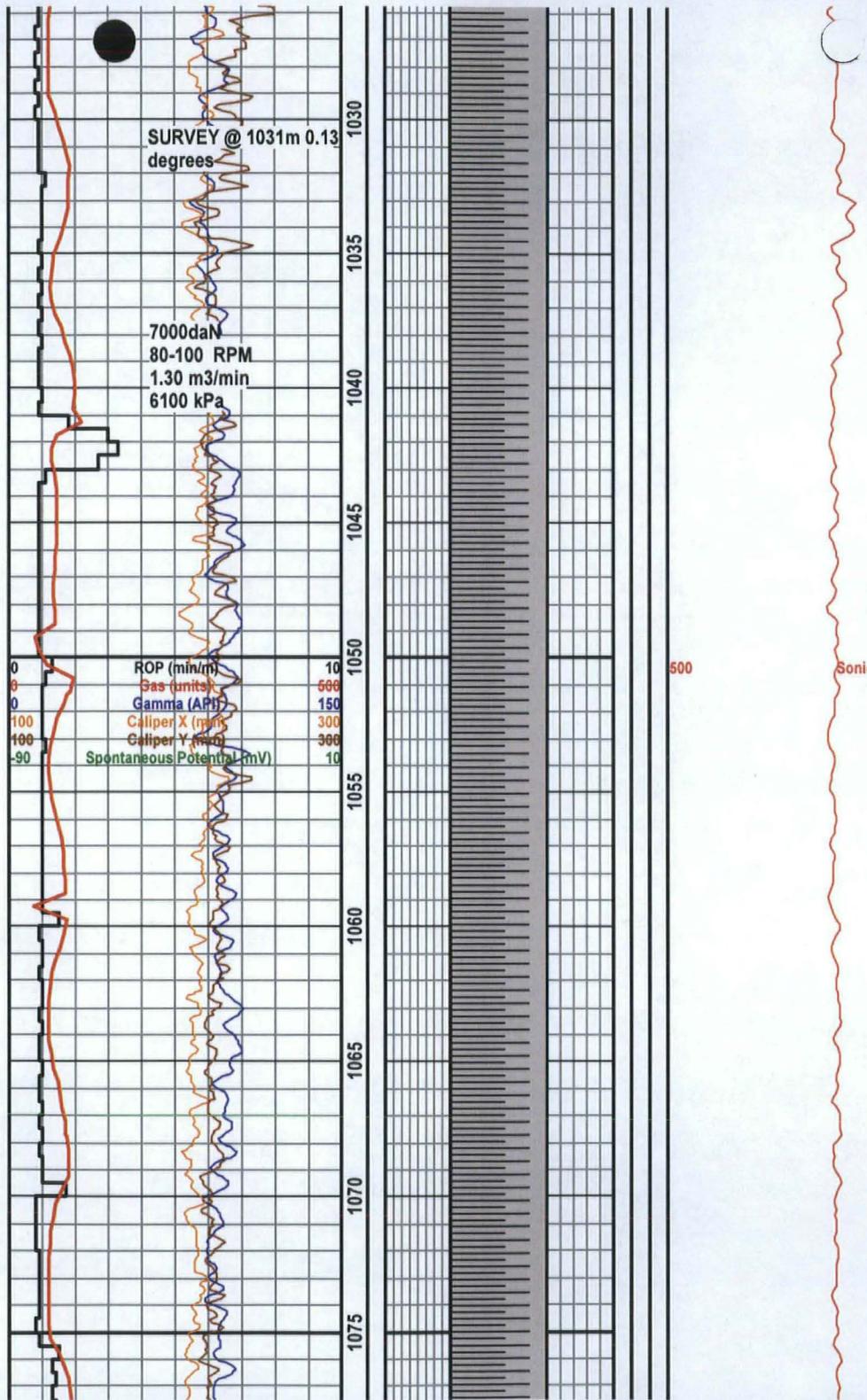


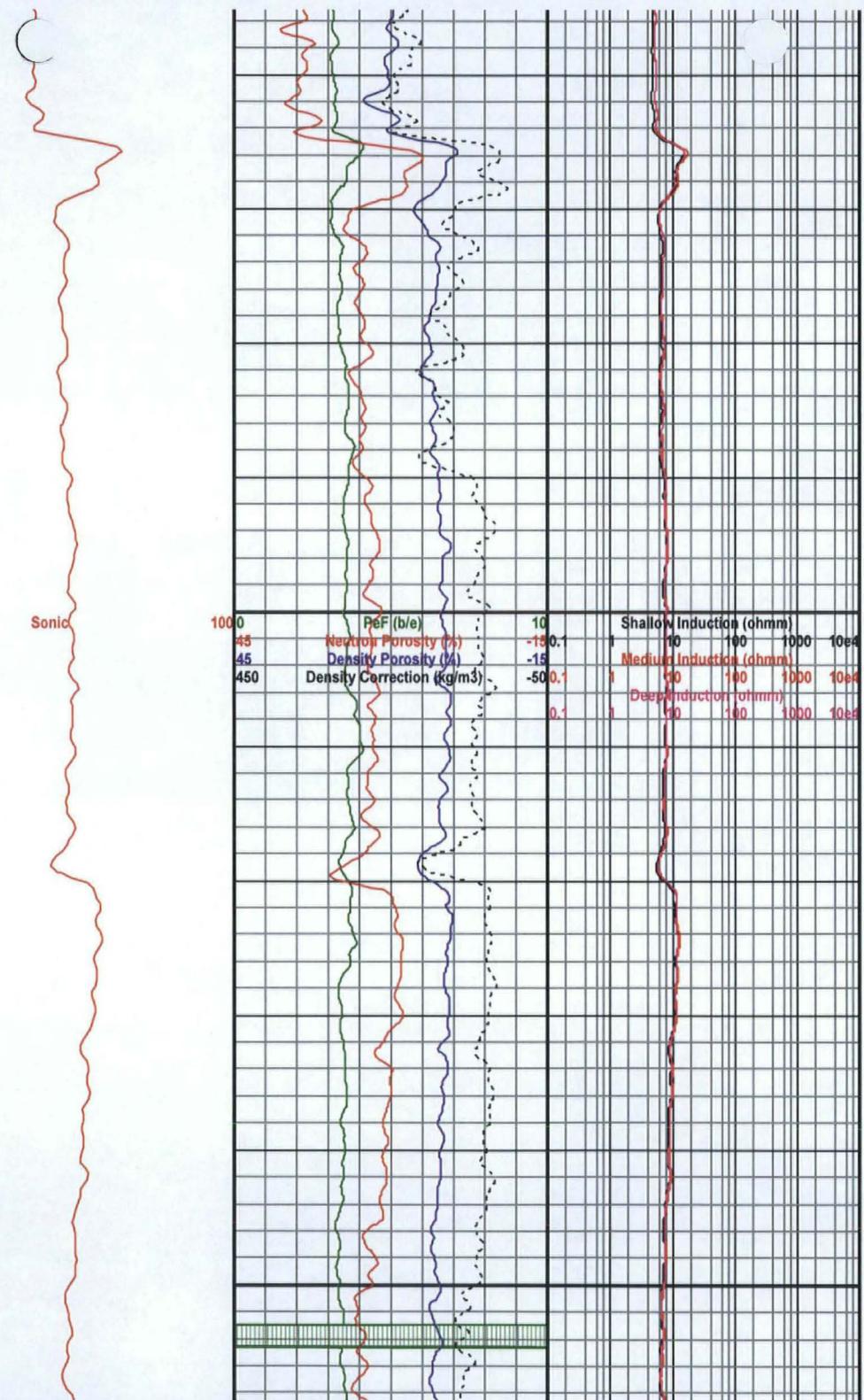
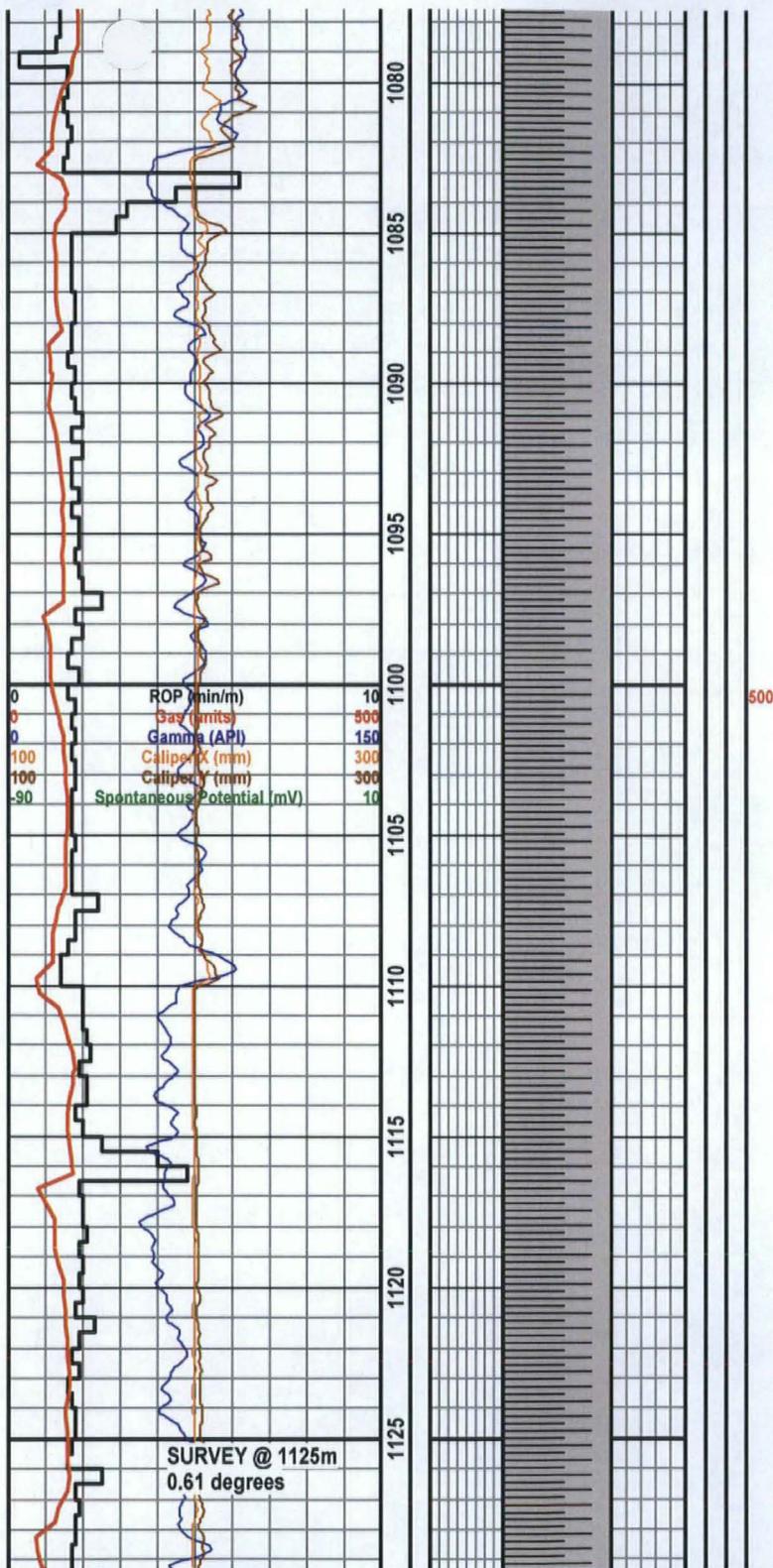


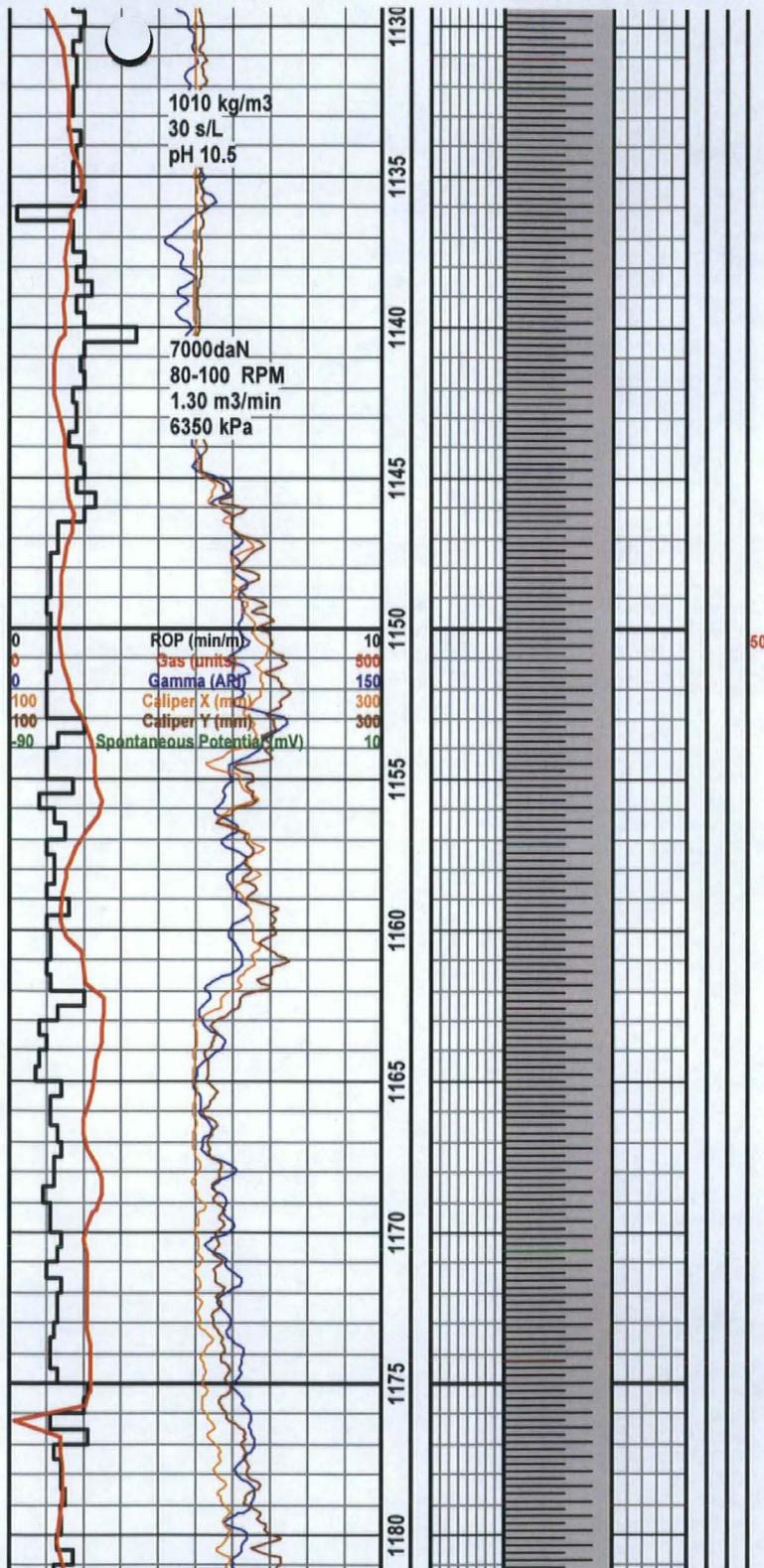




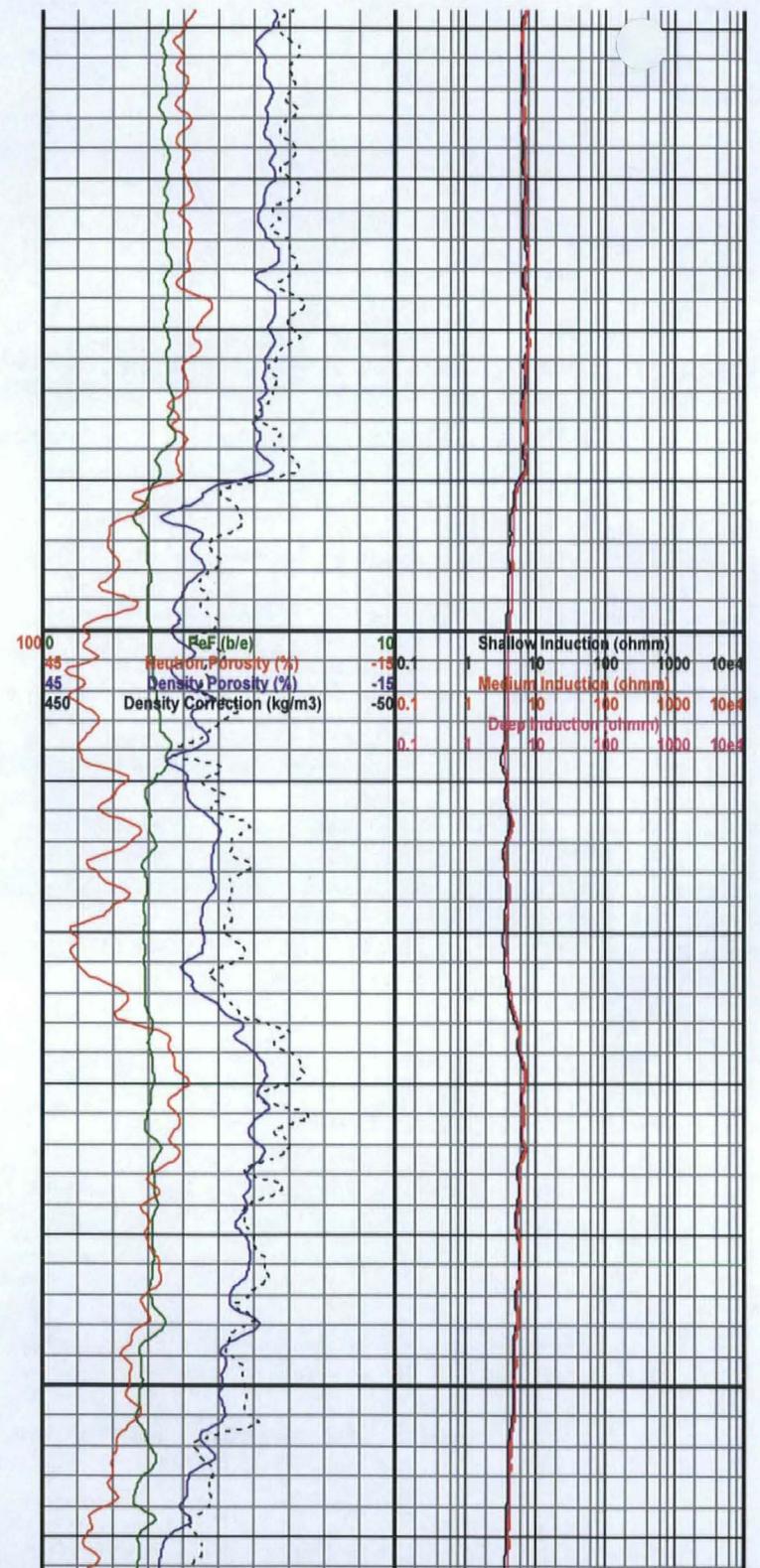


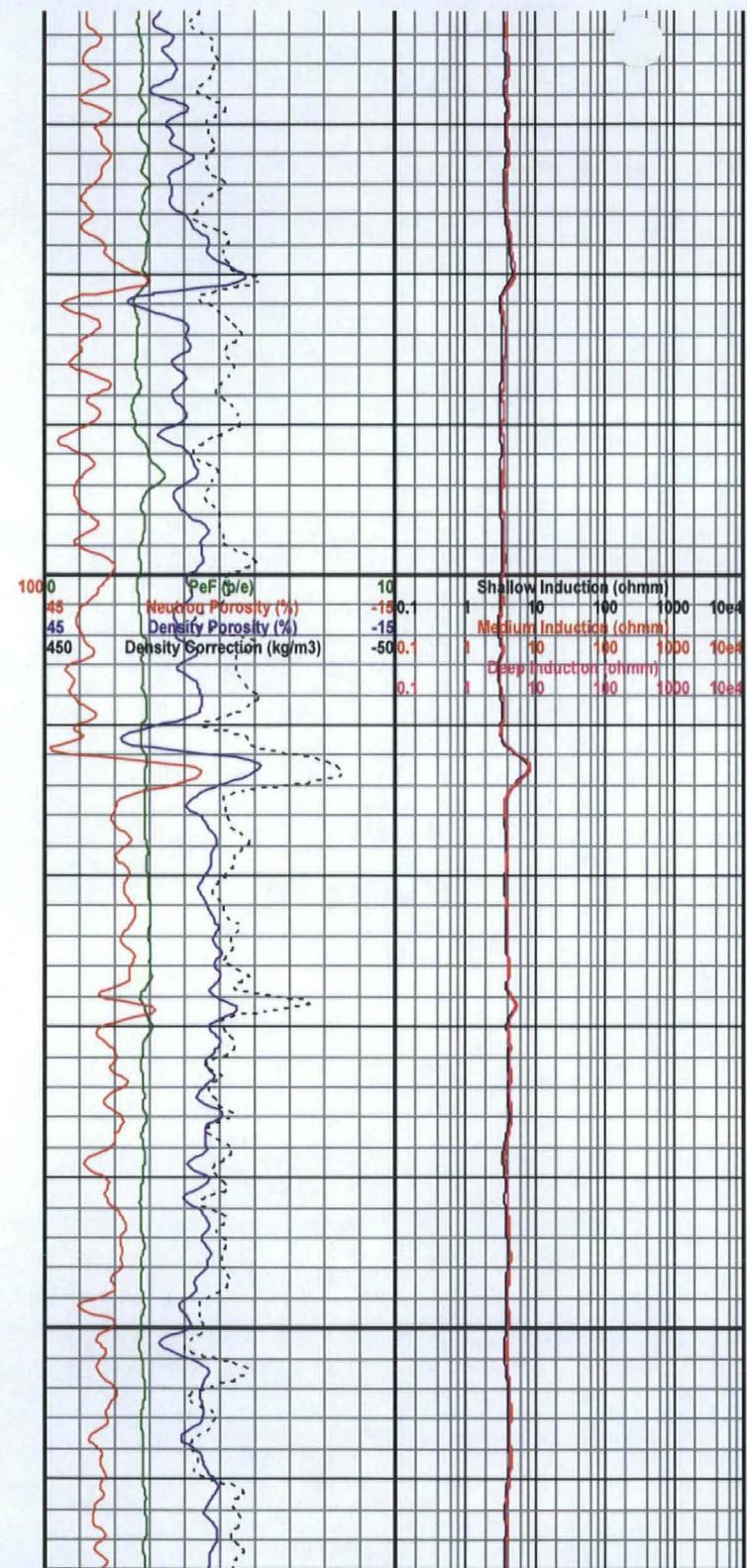
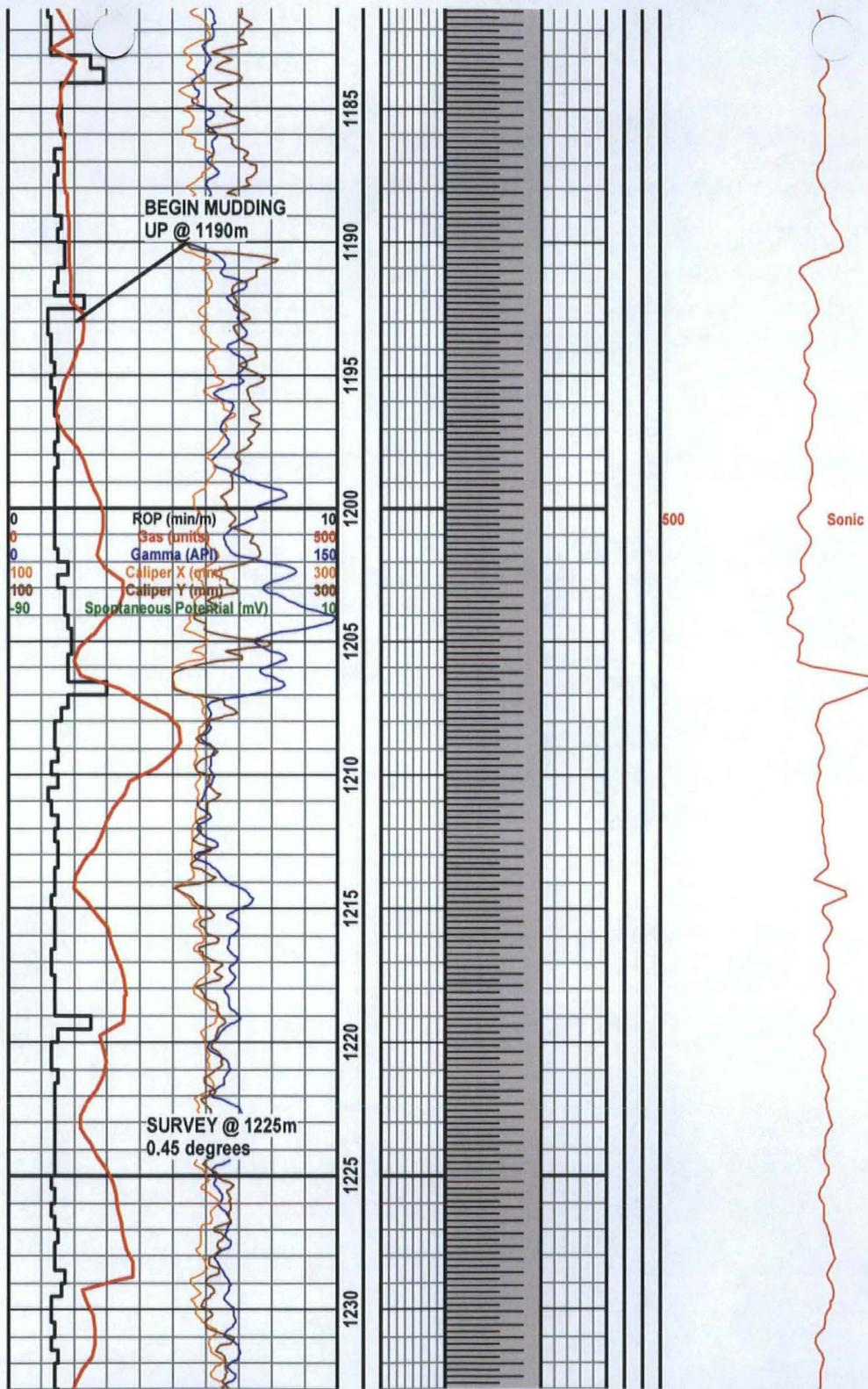


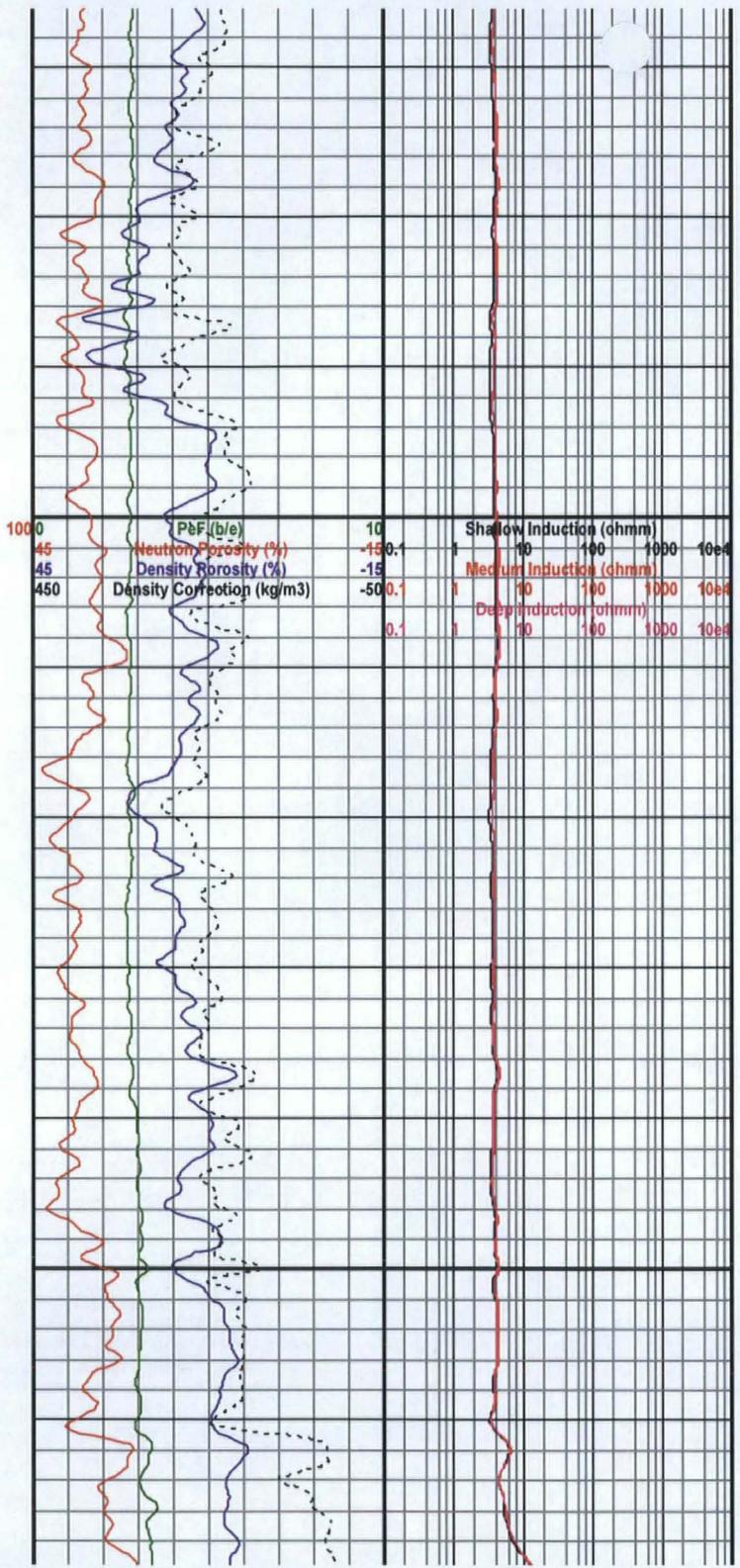
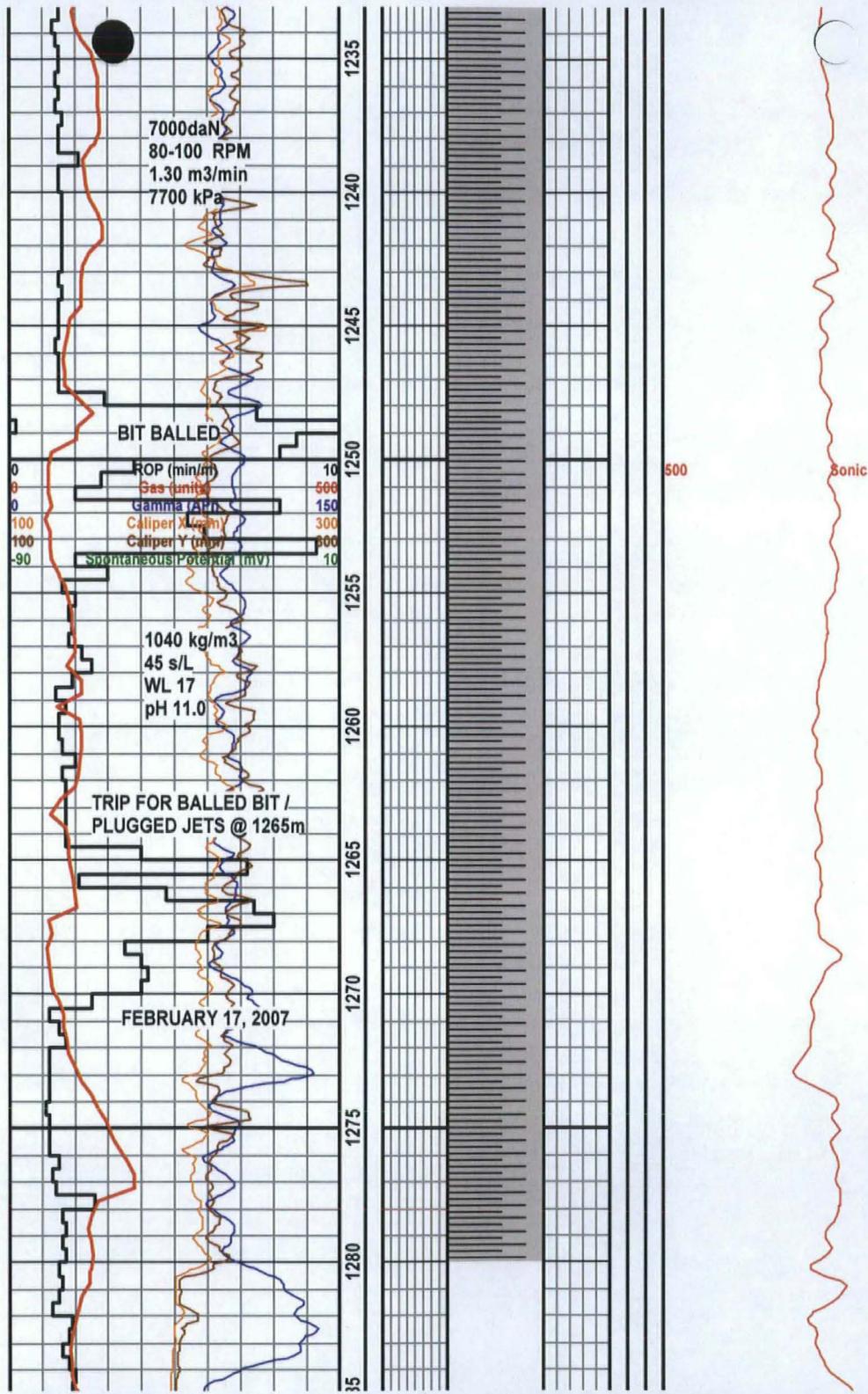


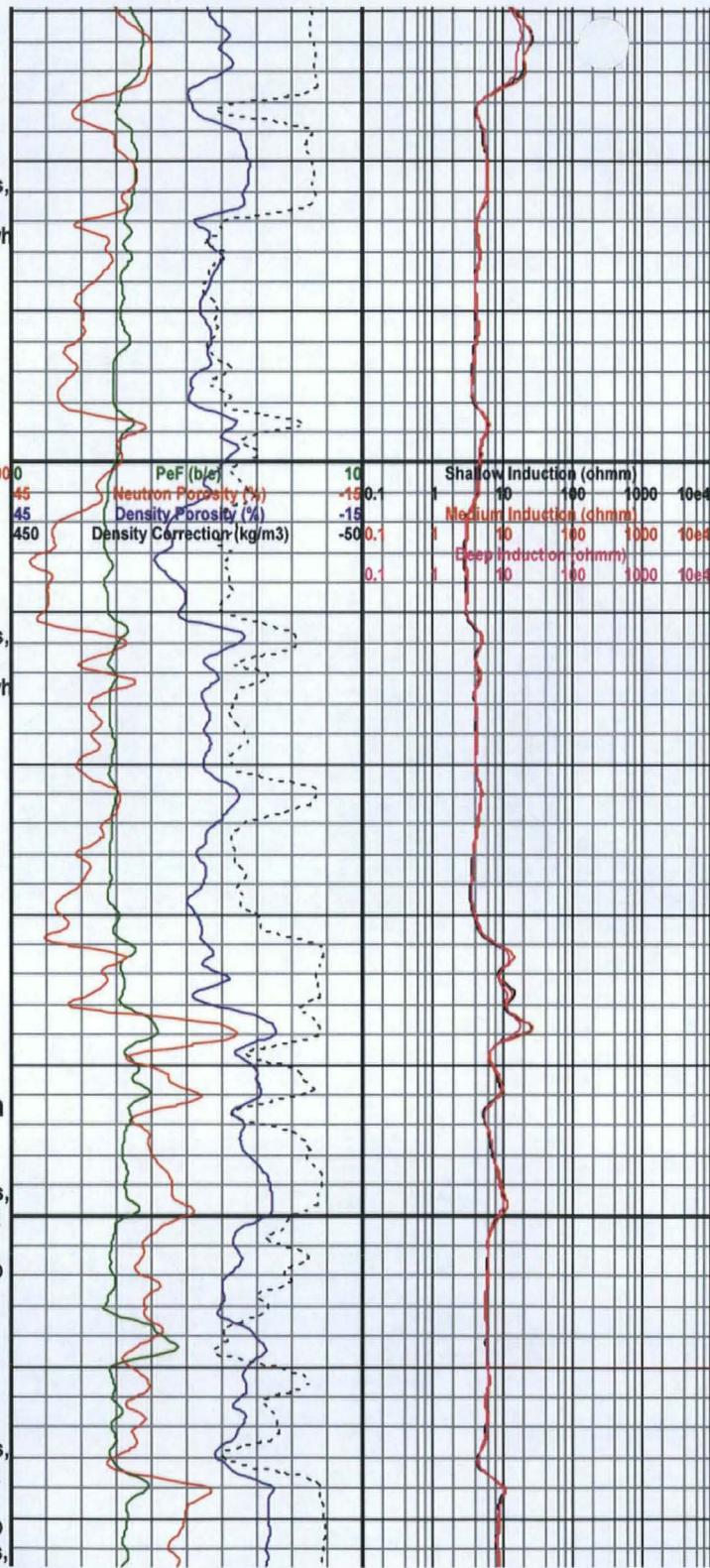
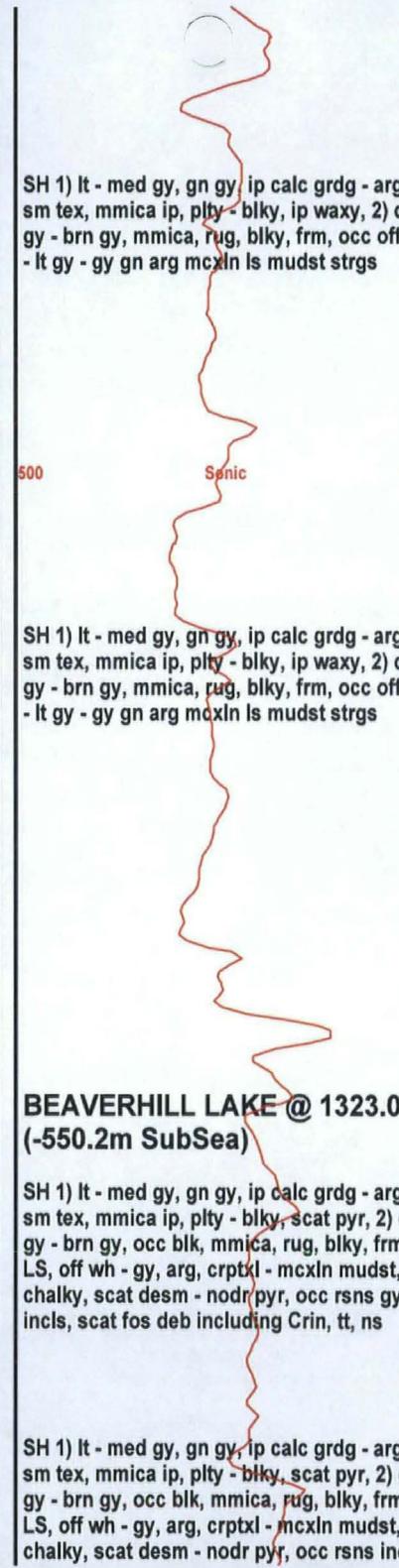
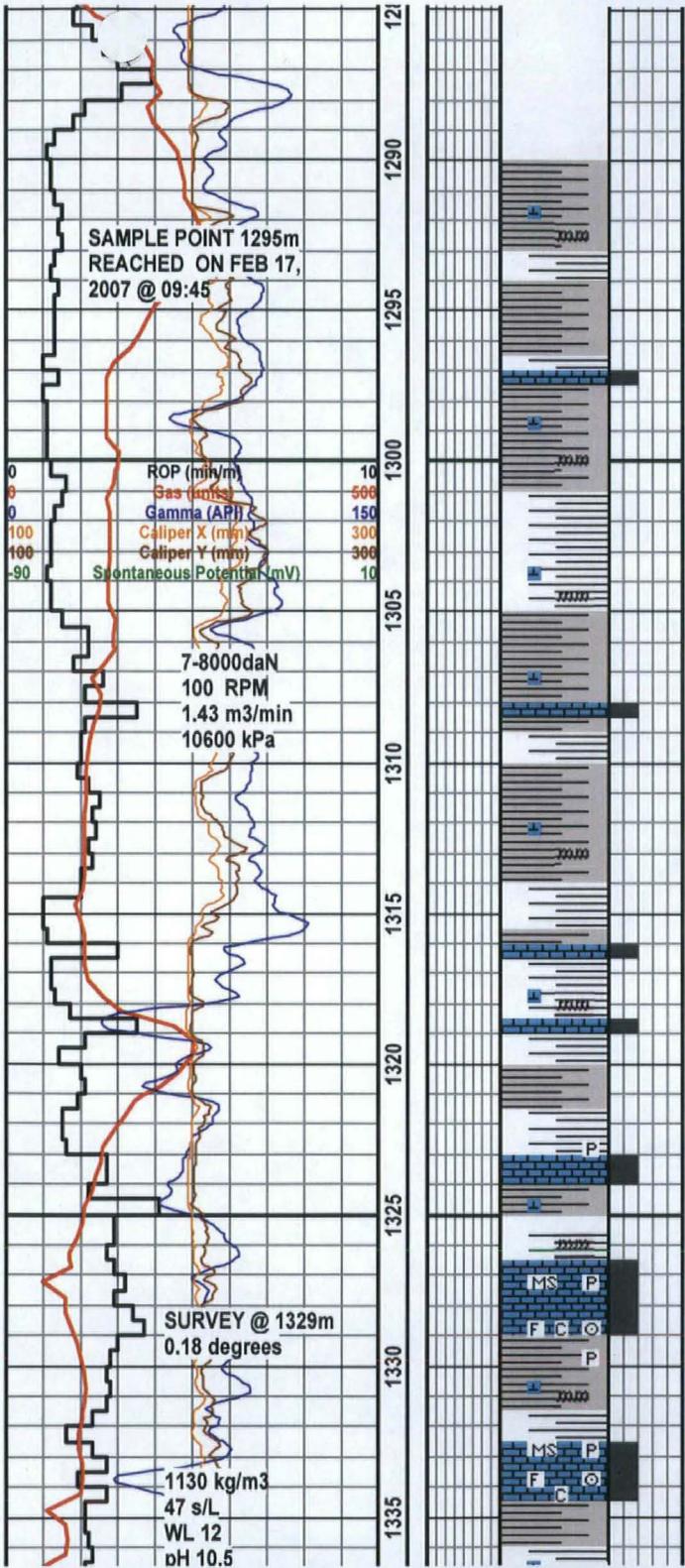


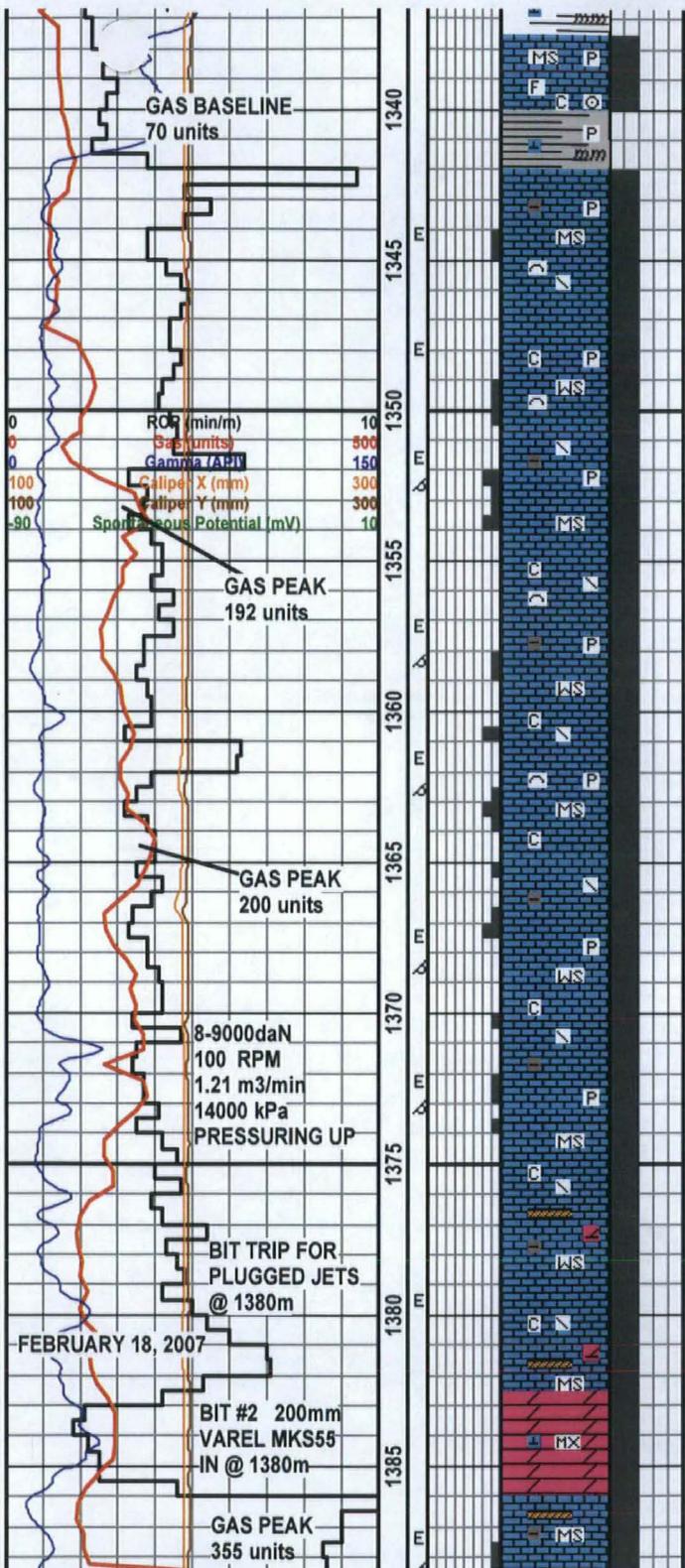
A vertical, wavy red line representing a sonic wave, with the word "Sonic" written in red near the center.







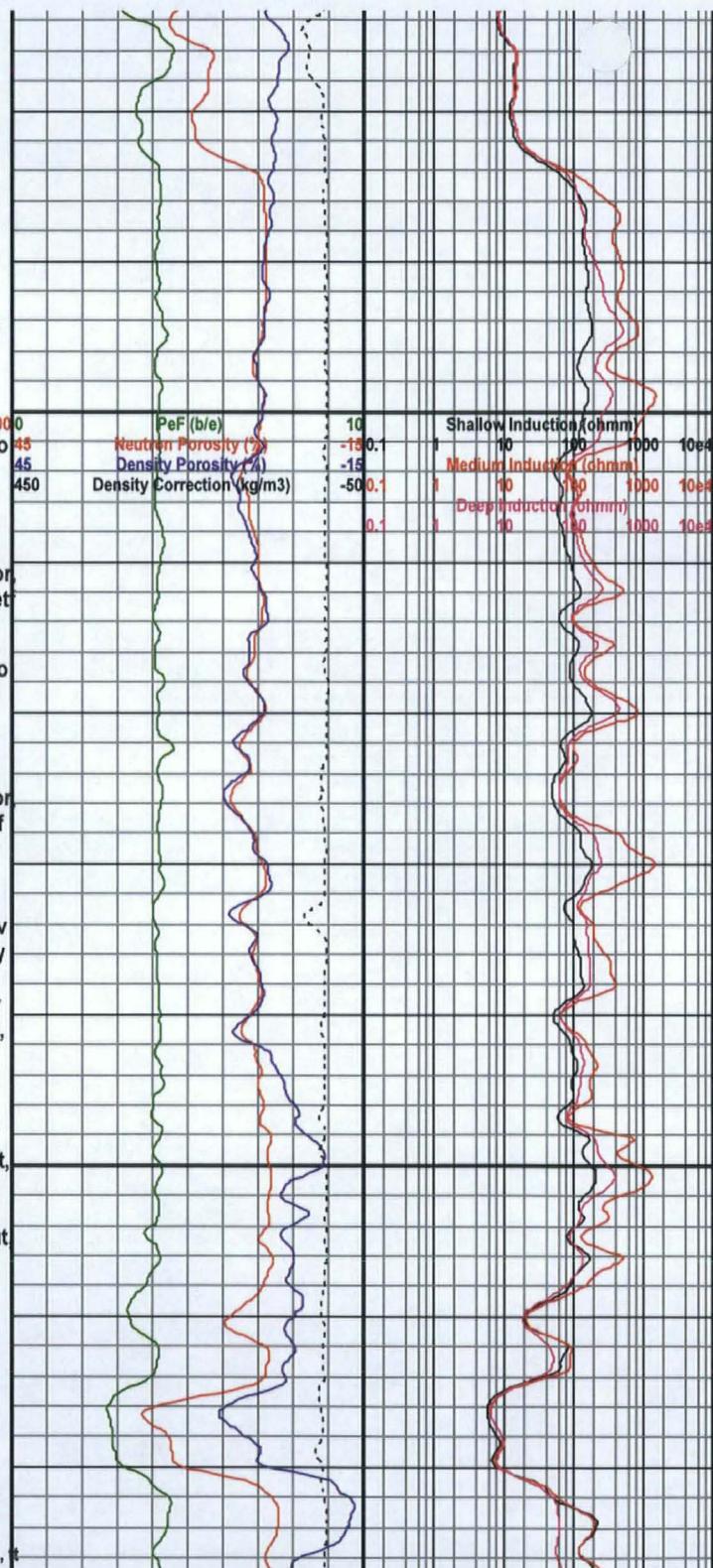




Scat fos deb includind Crin(tt, n:

**SLAVE POINT @ 1342.0m
(-569.2m SubSea)**

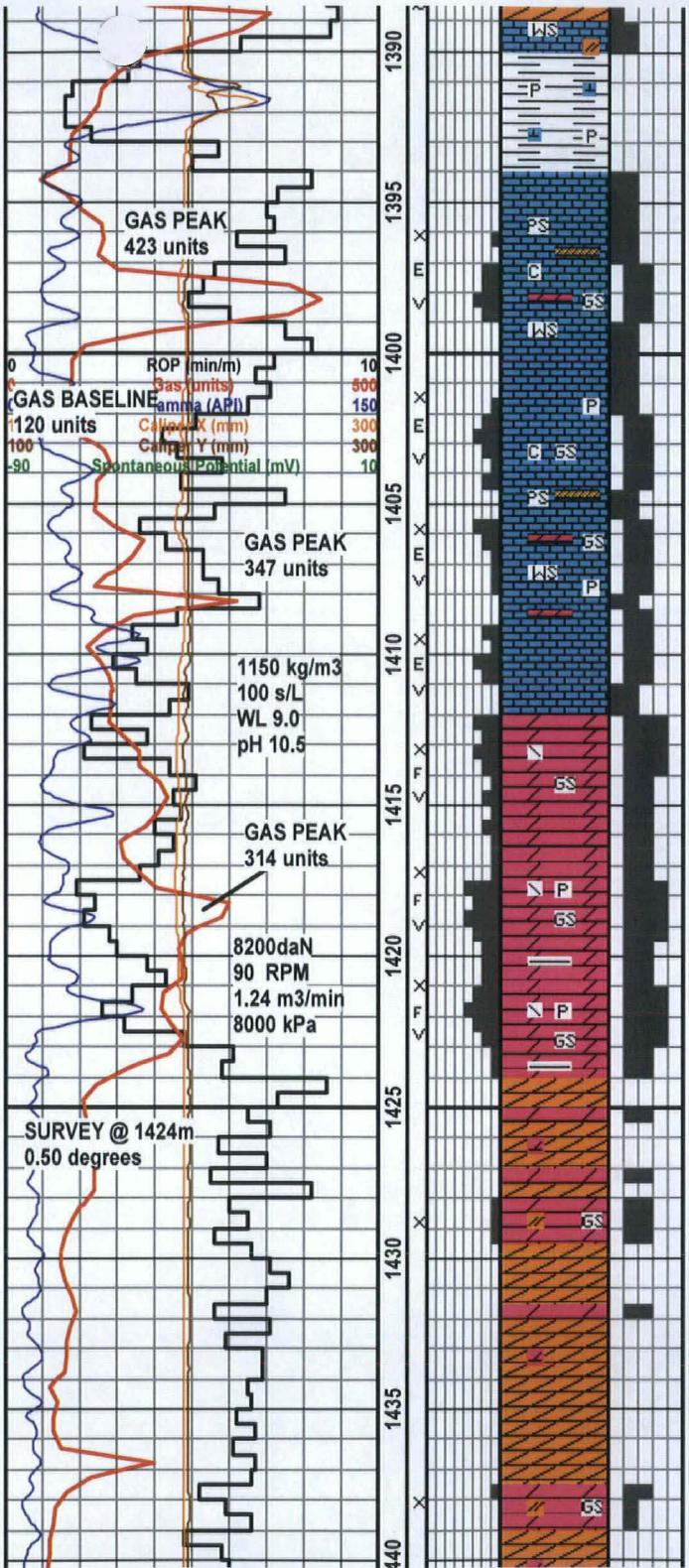
LS, off wh - tan - lt brn, lt gy, mot, crpxl -
mcxln arg mudst, occ grdg - wkst, scat
bioclc deb, flaky - blky, ip chky, occ rsns,
locally pyrz, tt wi assumed p rhy por, spthy
pale yel dry flor, q show, slight pft odor



**F4 DOLOMITE @ 1382.5m
(-609.7m SubSea)**

DOL, crm - It gy, mcxln, sandy appnc, calc
ip, frm, tt, ns

LS, off wh - tan - lt brn, occ dk brn, mot, predy crptx -
mcxln mudst - wkst, flky - blky, anhyc ip, tt wi occ p
moldic por, assumed p rhy por, spty yel gold dry flor,
wk watery gn cut, ANHY, wh - pearly, amor, crptx, frm



WATT MOUNTAIN @ 1390.0m (-617.2m SubSea)

SH, pale - emerald gn, waxy, blky, calc, scat pyr

SULPHUR PT LS @ 1394.0m (-621.2m SubSea)

LS, off wh - lt brn, lt gy - gy, mot, predy crptxl - mcxln wkst - pkst occly grdg - vf xln grnst, lt brn inclusions in off wh mtx, occ rsns, blky, ip chky, dolc ip, sl anhyic ip, wi streaks of p - fr intxl por, assumed p rhyt por, mnr p vug por, occ spy cal, spty yel wh dry flor, watery gn cut, strong petf odor

LS, off wh - lt brn, bcnrg dkr brn down section, lt gy - g mot, predy crptxl - mcxln wkst - pkst occly grdg - vf xln grnst, lt brn inclusions in off wh mtx, occ rsns, blky, ip chky, dolc ip, sl anhyic ip, tt wi streaks of p - fr intxl por, assumed p rhyt por, mnr p vug por, occ sec cal infill, scat pyr, spty bri yel wh dry flor, stmg yel wh watery - mky cut, strong petf odor

SULPHUR PT DOL @ 1412.0m (-639.2m Sub Sea)

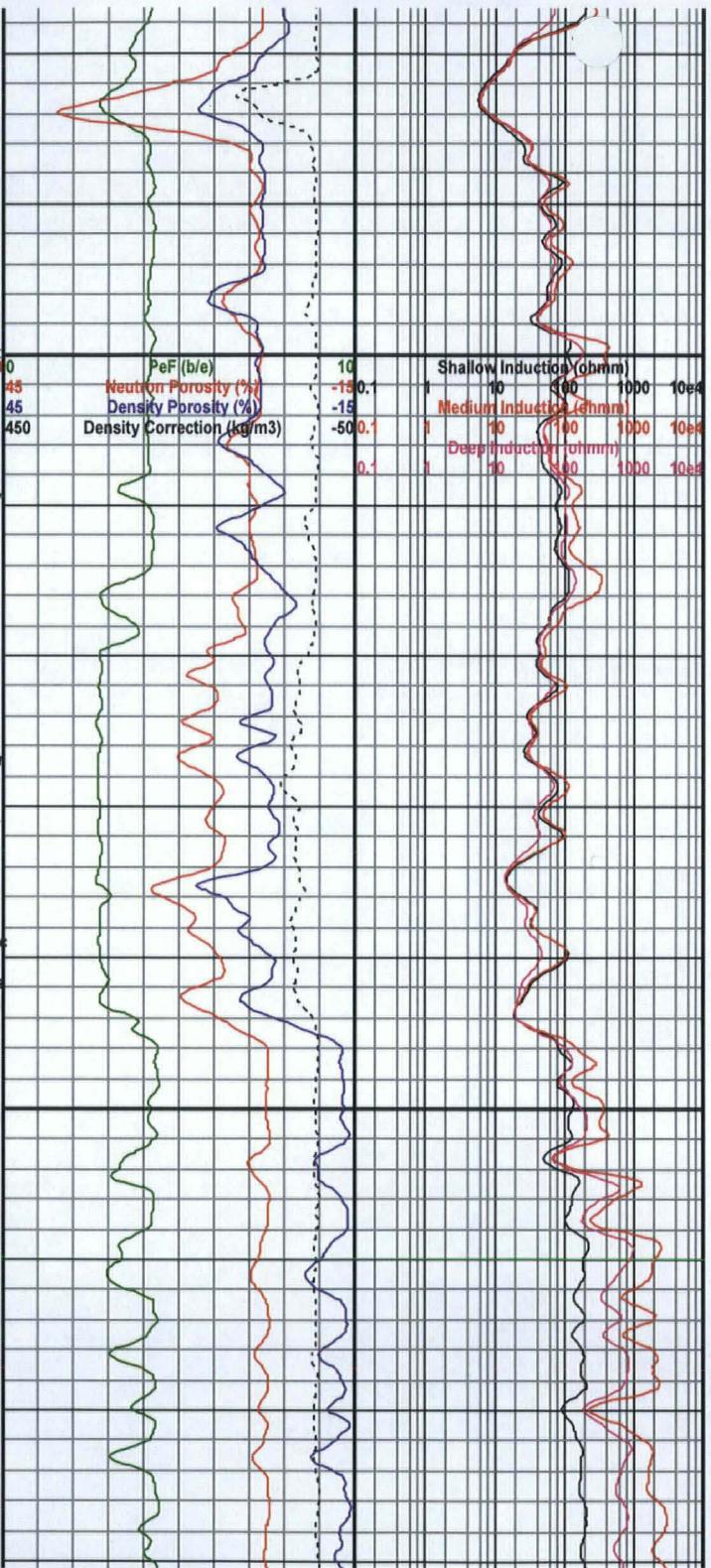
DOL, tan - lt brn, gy brn, mcxln - vf xln pkst - grnst, occ grdg - f - med xln suc grnst, blky, euhed xl growth, p - fr inxln por wi streaks of g por wi excel xl relief, evidence of frac surf wi bitsn coatings, fr vug por wi free clr med - vcl dol xl clus and rhomb growth, scat pyr, mnr gy SH ptgs, bri wh yel dry flor, inst mky stmg thick yel wh solvent cut, strong petf odor

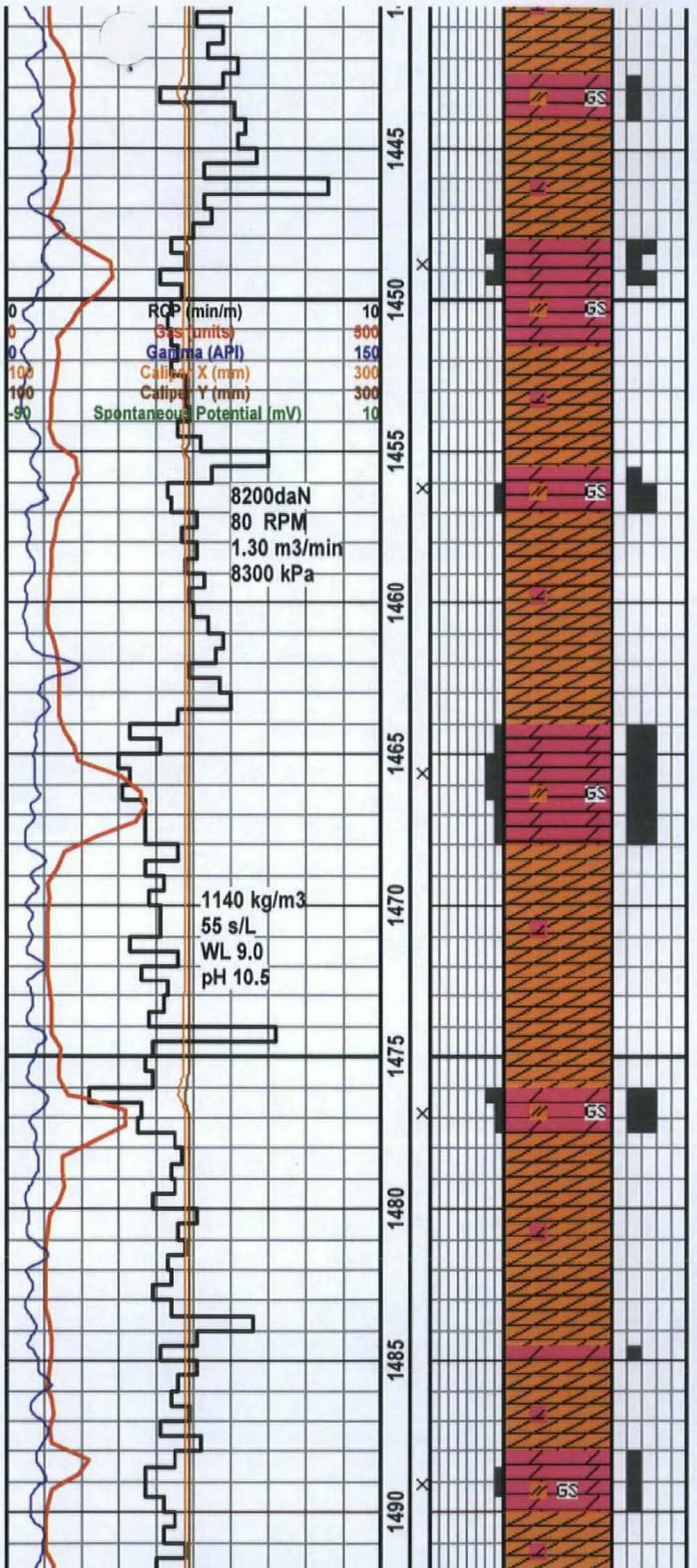
DOL, bcnrg coarser and dkr, tan - lt brn - brn o stn, mcxln - f xln pkst - grnst, occ grdg med xln suc grnst, blky, euhed xl growth, p - fr inxln por wi streaks of g mic suc - suc por wi excel xl relief, evidence of frac surf wi bitsn coatings, fr vug por wi free clr med - vcl dol xl clus and rhomb growth, scat pyr, mnr gy SH ptgs, bri wh yel dry flor, inst mky stmg thick yel wh solvent cut, strong petf odor, oily sheen on spl

MUSKEG @ 1424.0m (-651.2m SubSea)

ANHY, off wh - tan, gy, wh pearly, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, mcxln - f xln pkst - grnst, anhyic ip, blky - occ suc, tt wi streaks of p intxl por, bri yel dry flor, watery yel gn cut

ANHY, off wh - tan, gy, wh pearly, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, mcxln - f xln pkst - grnst, anhyic ip, blky - occ suc, tt wi





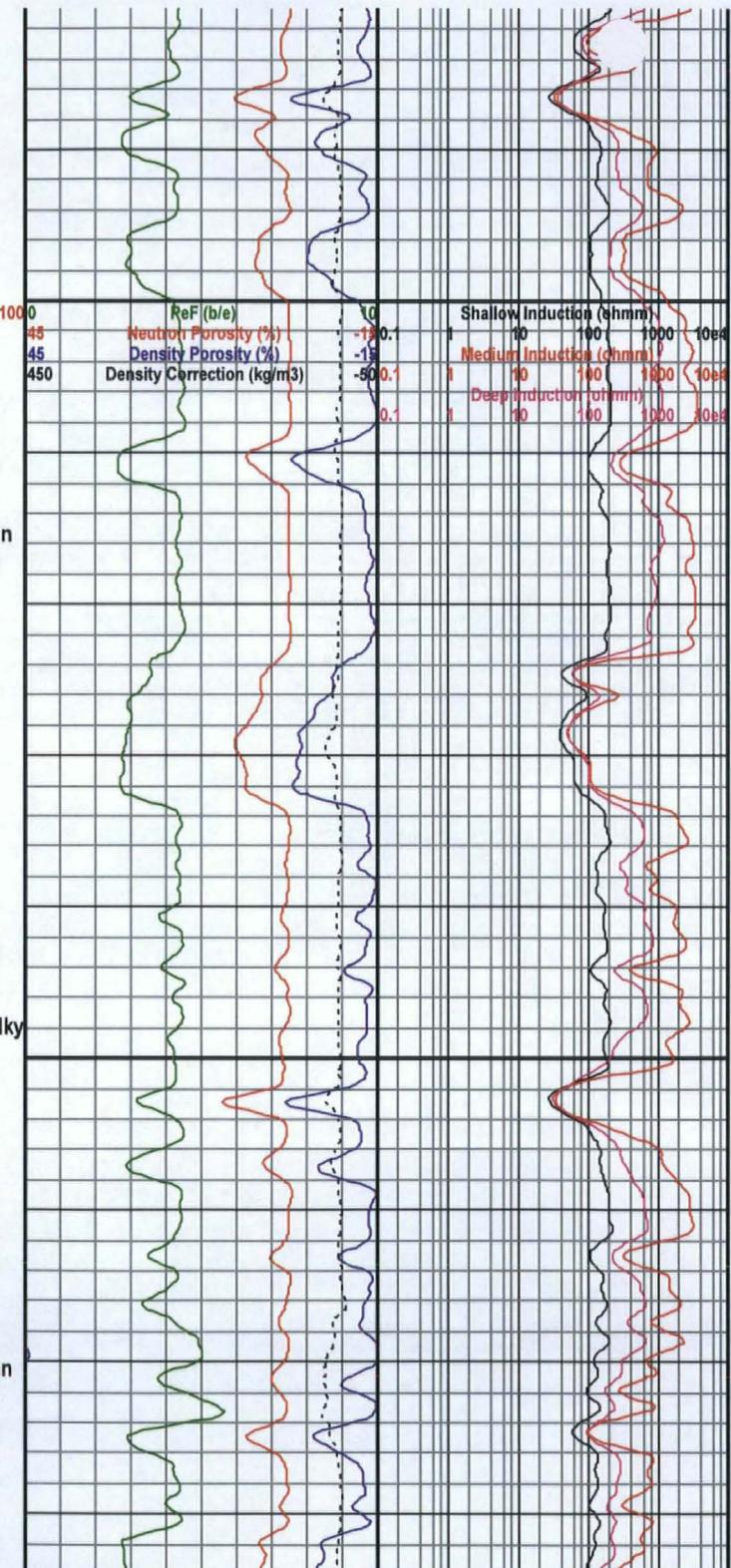
streaks of p intxl por, yel - gold dry flor
questionable cut

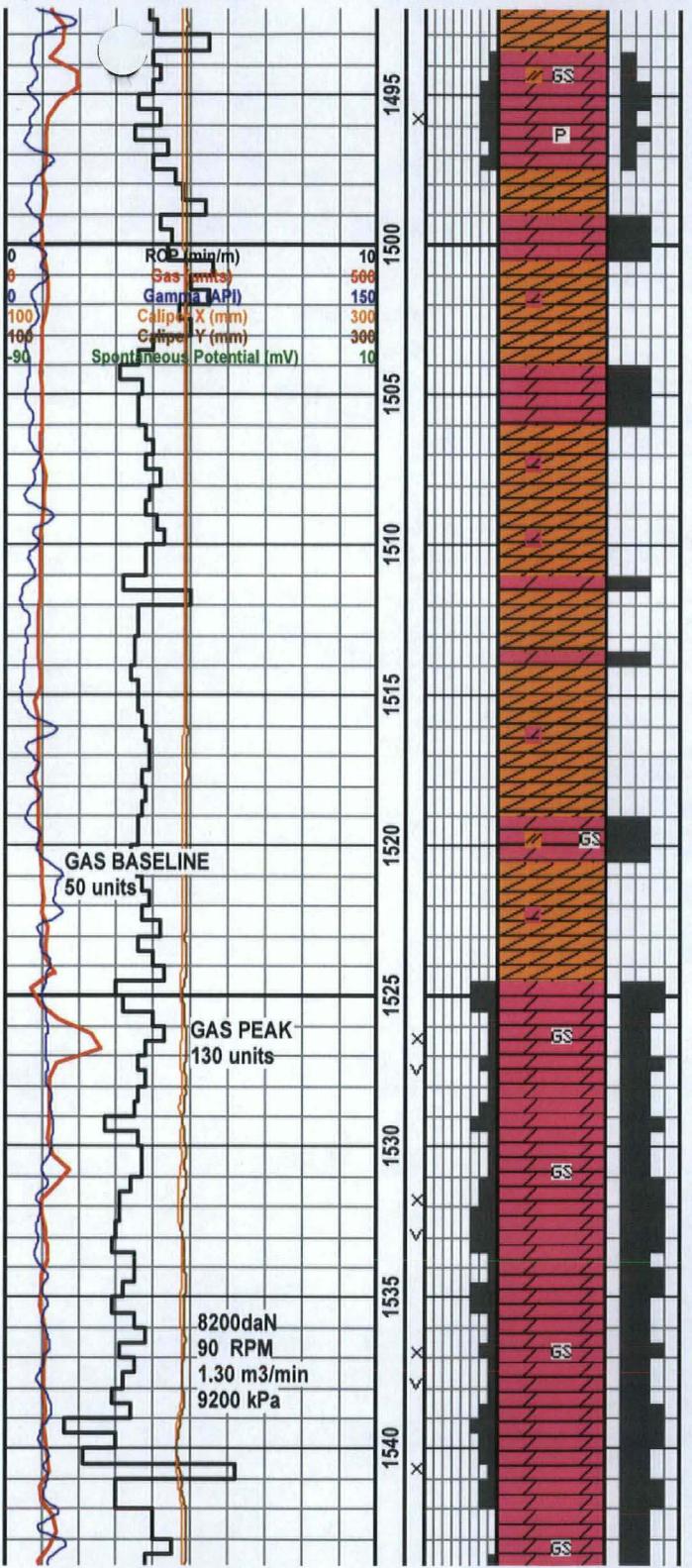
500 Sonic

ANHY, off wh - tan, gy, wh pearly, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, mcxln - f xln pkst - grnst, anhyc ip, blky - occ suc, tt wi streaks of p intxl por, yel - gold dry flor, questionable cut

ANHY, bcng more gy, off wh - tan, gy, wh pearly, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, mcxln - f xln pkst - grnst, anhyc ip, blky - occ suc, tt wi streaks of p intxl por, yel - gold dry flor, questionable cut

ANHY, off wh - tan, gy, wh pearly, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, mcxln - f xln pkst - grnst, anhyc ip, blky - occ suc, tt wi streaks of p intxl por, yel - gold dry flor, questionable cut





M1 DOLOMIT @ 1493.5m (-720.7m SubSea)

DOL, tan - dk brn o stn, mcxln - vf xln grnst, suc ip, blky, ip anhy, scat pyr, p - fr intxl por, bri yel - gold dry flor, watery gn solvent cut

Sonic

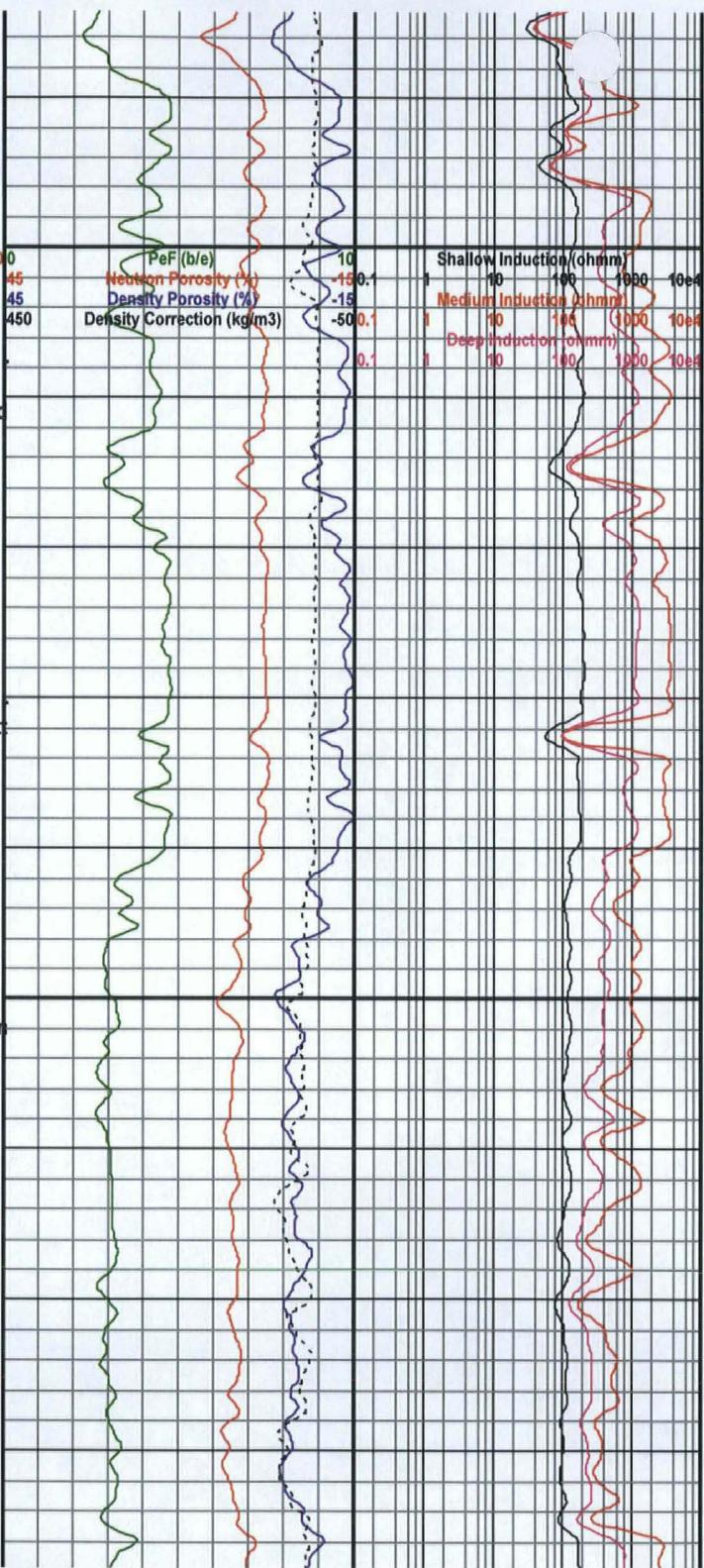
ANHY, off wh - tan, gy, wh pearly, mot ip, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, crptxl - vf xln pkst - grnst, ip rsns, anhy ip, blky - occ suc, tt wi streaks of p intxl por, yel - gold dry flor, questionable cut

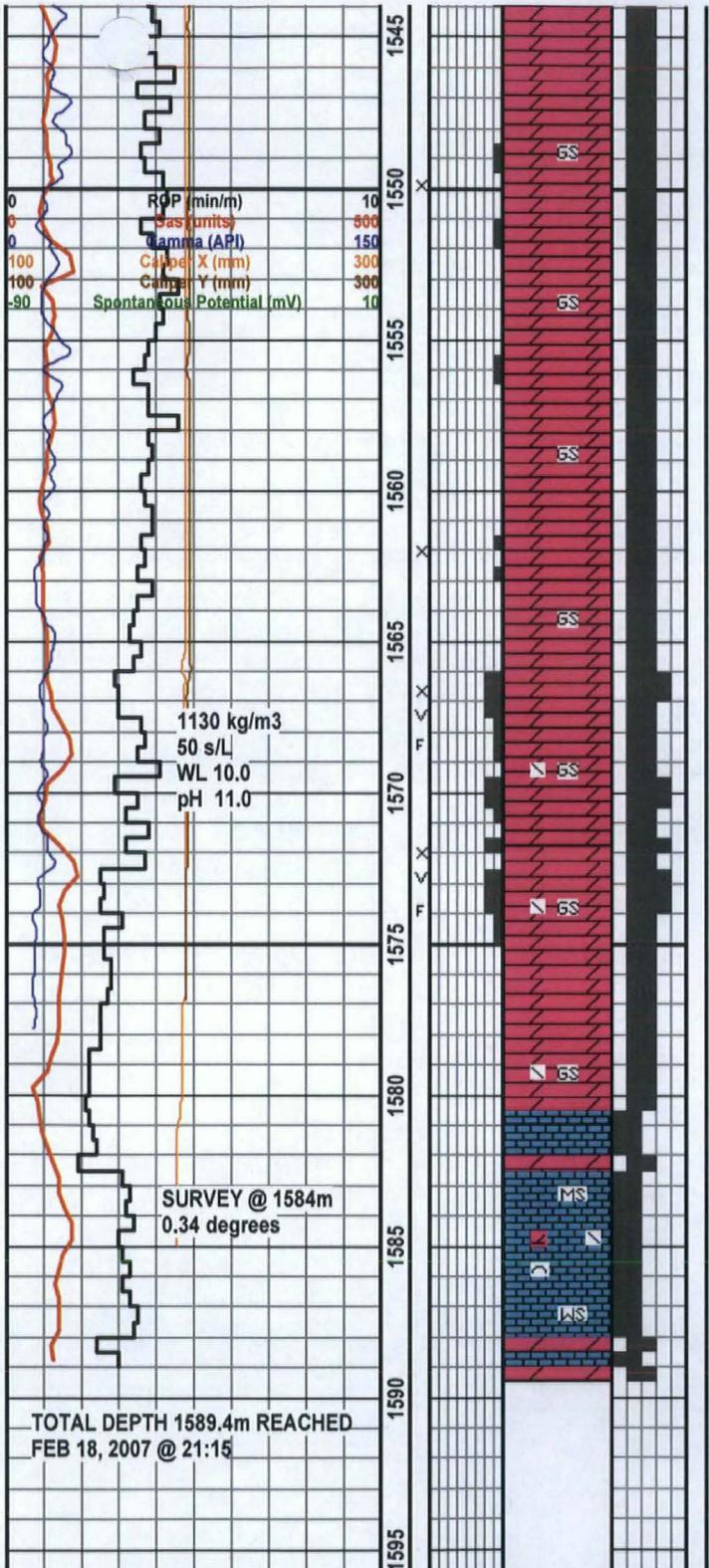
ANHY, off wh - tan, gy, wh pearly, ip mot, crptxl, amor - blky, ip fib, slightly dolc ip, frm, tt, DOL, tan - lt brn, occ brn, mot, crptxl - vf xln pkst - grnst, anhy ip, blky - occ suc, tt wi streaks of p intxl por, yel - gold dry flor, questionable cut

KEG RIVER @ 1524.5m (-751.7m SubSea)

DOL, tan - brn, occ dk brn o stn, predy mcxln - vf xln grnst wi streaks of f - med, euhed xl growth, occ free clr dol med xl clus growth along cutting surfaces and free rhombs suggests growth into voids, g xl relief, sdy gran appnc, scat fr vug por, p - fr intxl por, dull yel - yel gold dry flor, wk watery yel cut, petf odor

BASE KEG POR. @ 1542.0m (-769.2m SubSea)





DOL, lt - dk brn, ol - gy brn, mcxln- vf
xln pkst - grnst, gran appnc, rsns ip, blky,
frm, tt - p intxl por, questionable show

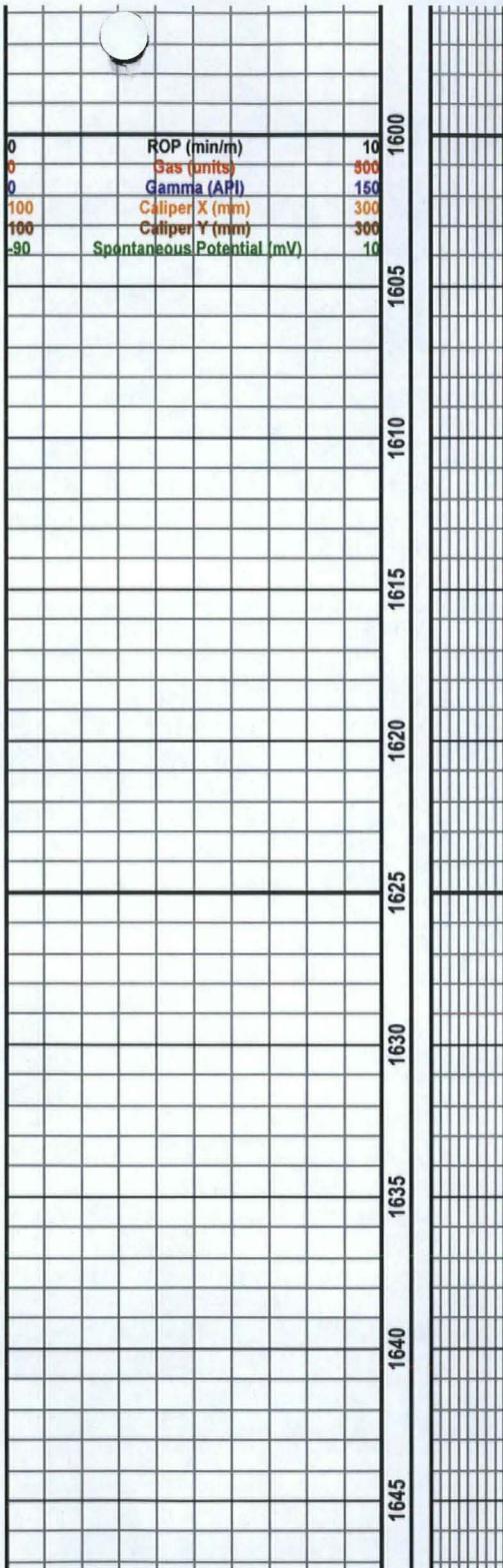
500 Sonic

10

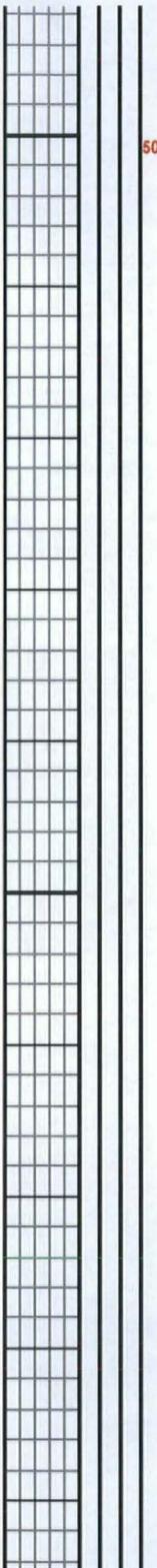
DOL, lt - dk brn, occ gy - gy brn, mcxln - vf
xln pkst - grnst, gran appnc, rsns ip, blky,
frm, tt - p intxl por, questionable show

DOL, bcmg dkr brn than aa, mcxln - vr xln
pkst - grnst, streaks of f - med xln suc grnst,
p - fr suc intxl por, scat p vug por, evidence
of fracs wi bitns coating on cutting surfaces
occ free clr euhed dol xl clusters, ip rsns,
bitns, spty pale yel flor, wk yel watery cut

LS, It gy brn - brn, crptxl - mcxln mdst - wkst
arg, slightly bitns, dolc ip, scat bioclic deb?,
dense, tt, questionable show, DOL, brn - dk
brn, mcxln - f xl pkst - grnst, tt to streaks of
p intxl por, spty pale yel flor, wk cut

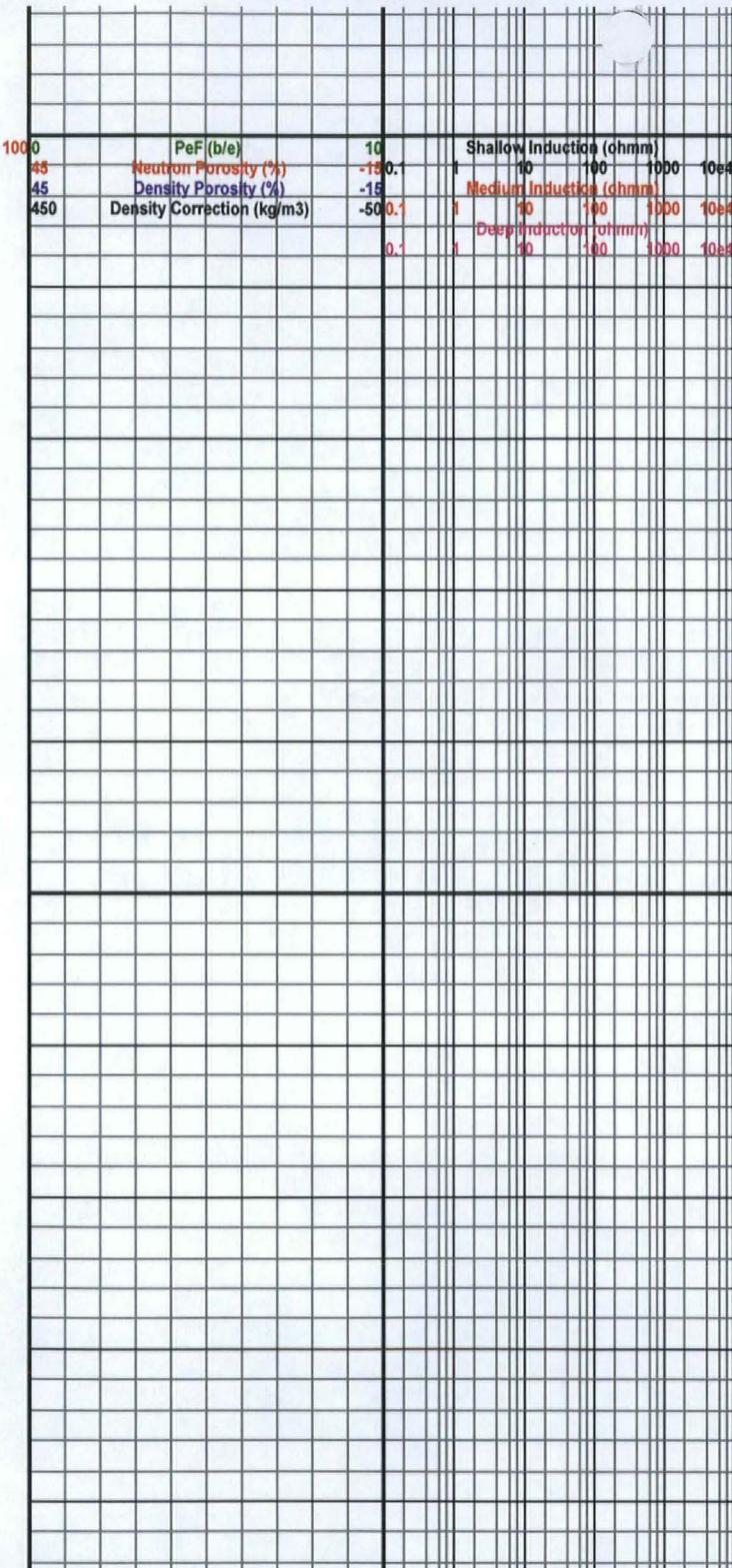


0	ROP (min/m)	10
0	Gas (units)	500
0	Gamma (API)	150
100	Caliper X (mm)	300
100	Caliper Y (mm)	300
-90	Spontaneous Potential (mV)	10

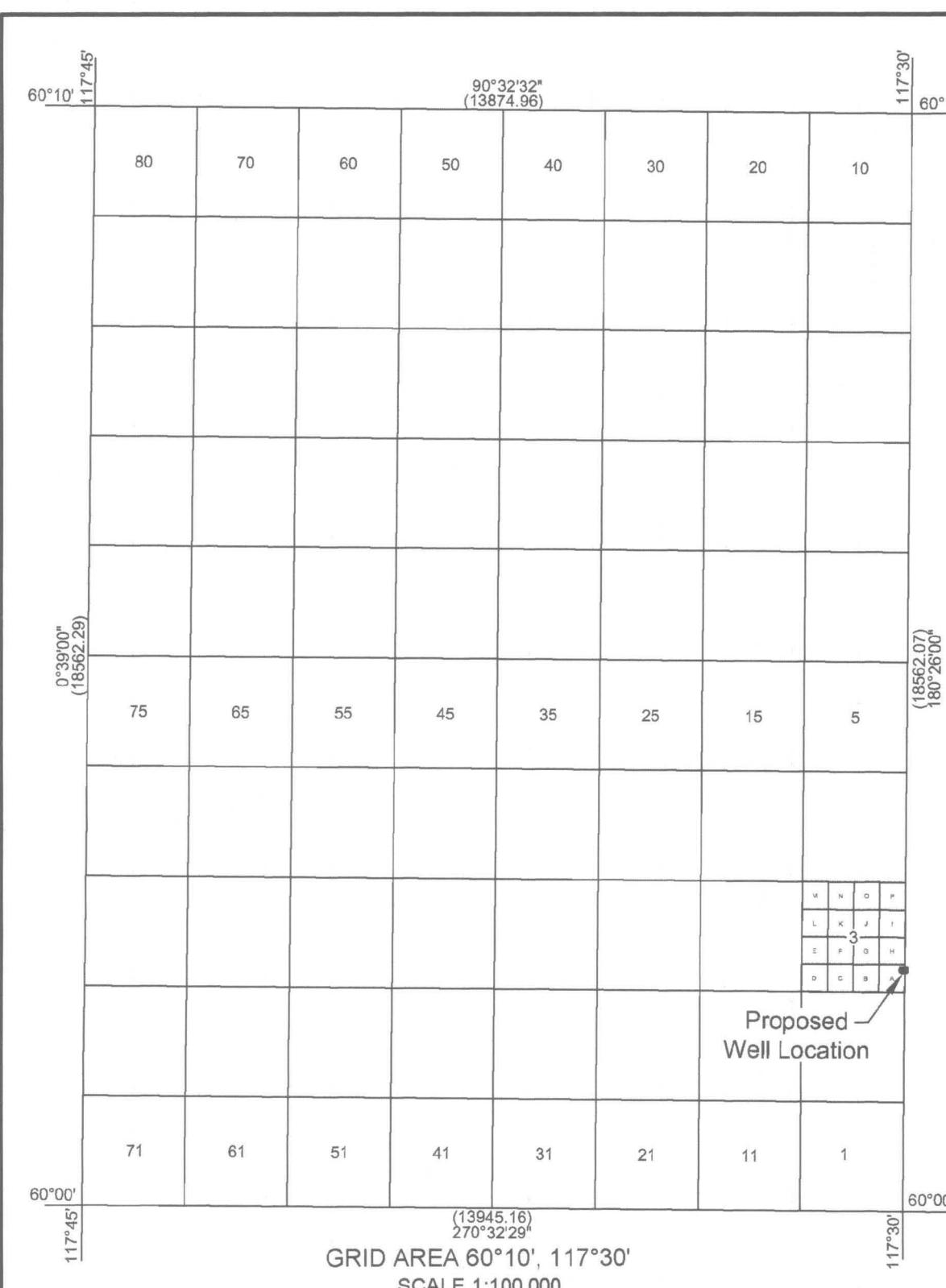
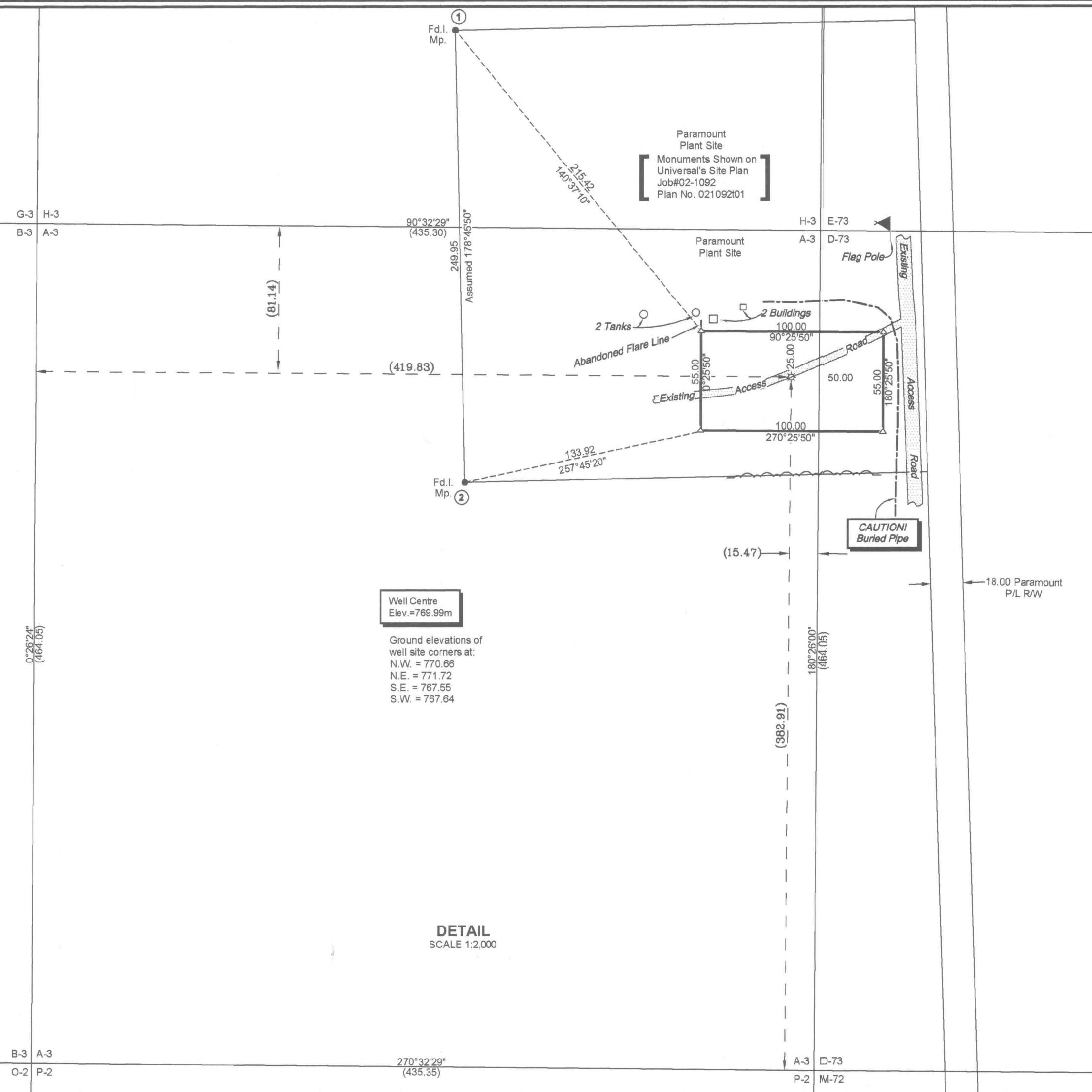


Sonic

500



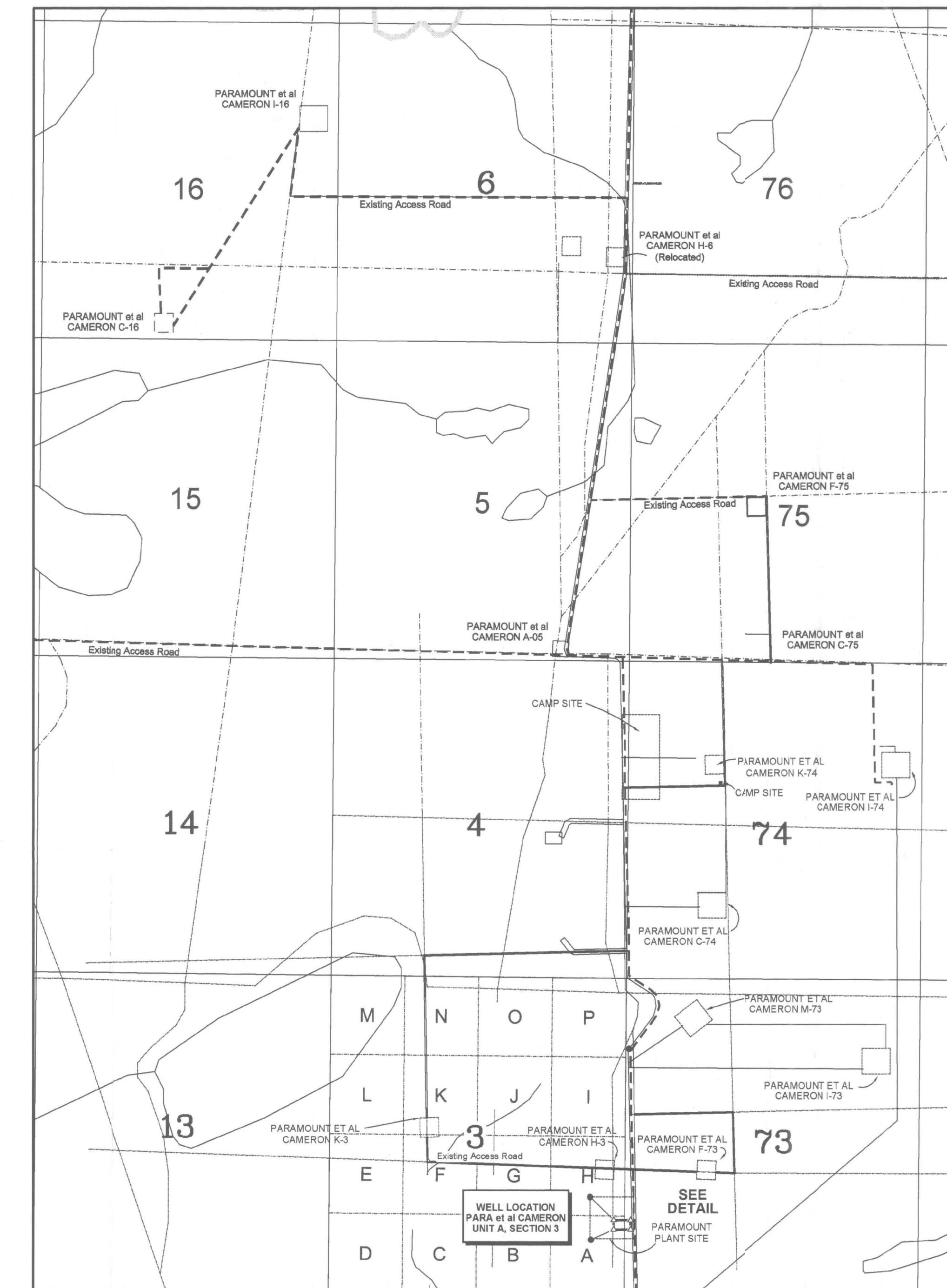
1000	PeF (b/e)	10	Shallow Induction (ohmm)
45	Neutron Porosity (%)	-10	10
45	Density Porosity (%)	-15	100
450	Density Correction (kg/m3)	-50	1000
		0.1	10e4
			Medium Induction (ohmm)
			1
			10
			100
			1000
			10e5
			Deep Induction (ohmm)
			1
			10
			100
			1000
			10e5



AREA REQUIRED

	Hectares	Acres
Disposal Well =	0.549	1.36
TOTAL =	0.549	1.36

GEOGRAPHIC AND UTM COORDINATES, (1983 NAD)					
Station	Latitude(N)	Longitude(W)	Northings	Eastings	Elev.
CONTROL MONUMENTS					
Fd. I. (1)	60° 02' 18.901"	117° 30' 18.213 "	6655815.64	471861.96	768.84
Fd. I. (2)	60° 02' 10.830"	117° 30' 17.742"	6655565.88	471867.34	767.13
PROPOSED WELL					
WELL CENTRE	60° 02' 12.748 "	117° 30' 06.075"	6655623.85	472048.36	769.99



PLAN AND FIELD NOTES
OF SURVEY OF
PROPOSED DISPOSAL WELL
PARA ET AL CAMERON
IN UNIT A, SECTION 3
GRID AREA 60° 10', 117° 30'
NORTHWEST TERRITORIES
CANADA OIL AND GAS REGULATIONS
NORTHWEST TERRITORIES

SCALE 1:20,000

400m 200 0m 400 800



SURVEYED FOR
PARAMOUNT RESOURCES LTD

AFFIDAVIT

THIS SURVEY WAS EXECUTED BETWEEN THE DATE OF DECEMBER 9, 200605
AND DECEMBER 13, 2006 BY JOHN E. LANDRY, C.L.S

CERTIFIED CORRECT ON THE 10th DAY OF JANUARY, 2006

JOHN E. LANDRY
CANADA LANDS SURVEYOR



LEGEND

UTM coordinates are computed for Zone 11, Central Meridian 117° W. Bearings were derived from differentially corrected GPS Observations, and are referred to meridian 117° W.

Grid Distances are expressed in metres and shown as (1700)
Distances are expressed in metres and decimals thereof.

Distances shown in traverse are measured distances reduced to the horizontal at general ground level.

For the computation of coordinates measured distances have been reduced to the UTM plane by multiplying them by an average combined scale factor of 0.9994899.

Distances shown on grid area subdivisions are UTM plane NAD 27 Datum.
All other dimensions are based on NAD 83 Datum.

(CLS 77) Monuments found are shown thus:.....
12" iron spikes are shown thus:.....
Areas dealt with shown thus:.....

Areas with shown thus.....
Buried pipe lines are shown thus:
Seismic lines are shown thus:
Geographic and Utm Coordinates, (1983 Nad)
of Found line, But are shown the

Survey was completed prior to drilling; therefore well as drilled may not necessarily agree with proposed location.

GRID AREA 60°10', 117° 30'- GEOGRAPHIC AND UTM COORDINATES, (1927 NAD)				
N.E.	60°10'00"	117°30'00"	6669871.56	472250.65
N.W.	60°10'00"	117°45'00"	6670002.85	458376.31
S.W.	60°00'00"	117°45'00"	6651441.75	458165.71
S.E.	60°00'00"	117°30'00"	6651310.02	472110.25
A-3, N.E.	60°02'15.000"	117°29'59999"	6655486.36	472141.84
A-3, S.E.	60°02'00.001"	117°29'59999"	6655022.33	472138.34
A-3, S.W.	60°02'00.027"	117°30'28124"	6655026.44	471703.00
A-3, N.W.	60°02'15.027"	117°30'28124"	6655490.48	471706.57

1	Revised Co-ordinates, Added Well Corners Elevation	DQN	January 12/07
0	PLAN ISSUED	DQN	January 10/07
REV.	DESCRIPTION	BY	DATE
JOHN E. LANDRY CANADA LANDS SURVEYOR		Date: January 10/07	SCALE AS SHOWN
 McELHANNEY LAND SURVEYS LTD. PROFESSIONAL LAND SURVEYORS 138, 14315-118 Avenue Edmonton, Alberta	Plan No.: 1 of 1		
Job No.: 32111963	File No.: 19063		