PHOENIX SURVEYS, INC.

PSI

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	EnCana Oil & Gas (USA) Inc.
Well	Ione 6-8-2
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 1264' FSL & 1270' FEL NE SE BHL: 103' FSL & 1377' FEL SW SE Sec - 2, Twp - 2N, Rge - 66W
Other Services	None

Permanent Datum	GL	Elevation	5051
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 5063
D.F. 5062
G.L. 5051

Date	October 23, 2011		
Run Number	1		
Depth Driller	8245		
Depth Logger	8240		
Bottom Logged Interval	8240		
Top Log Interval	Casing		
Casing Driller	888		
Casing Logger	888		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 53		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.42 @ 65° F		
Rmf @ Meas. Temp	1.93 @ 65° F		
Rmc @ Meas. Temp	2.90 @ 65° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.01 @ 238° F		
Time Circulation Stopped	0500		
Time Logger on Bottom	1402		
Maximum Recorded Temperature	238° F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Randy Conley	Josh Gorney	
Witnessed By	Terry Leighton		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

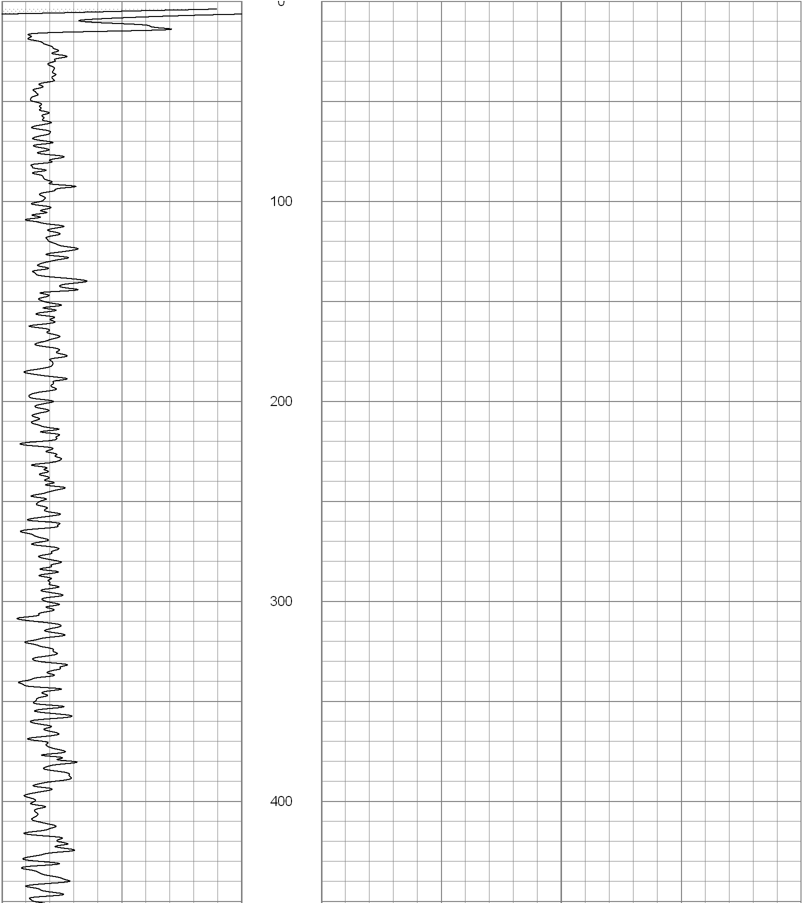
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 17
Thank you for using Phoenix Surveys!!
API #: 05-123-31382-00

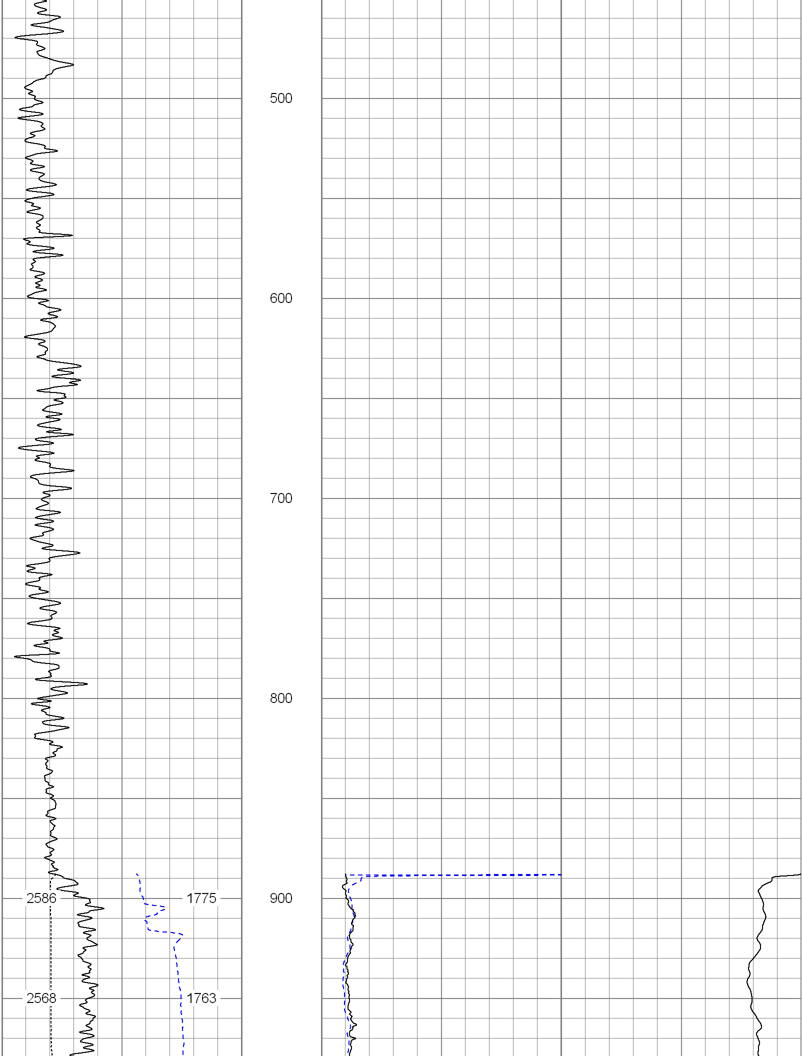
Database File: 12138.db
Dataset Pathname: main
Presentation Format: dil5enc
Dataset Creation: Sun Oct 23 15:04:59 2011
Charted by: Depth in Feet scaled 1:600

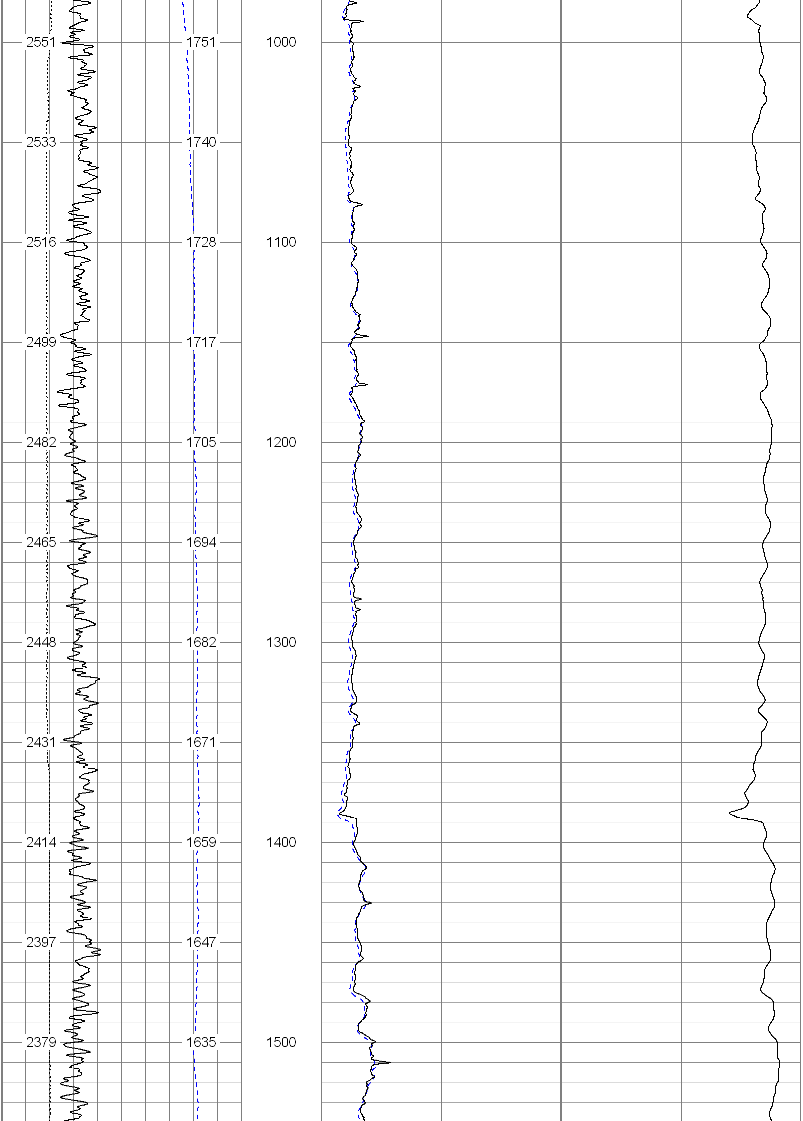
0 SP (mV) 200
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
TBHV (ft3)
ABHV (ft3)

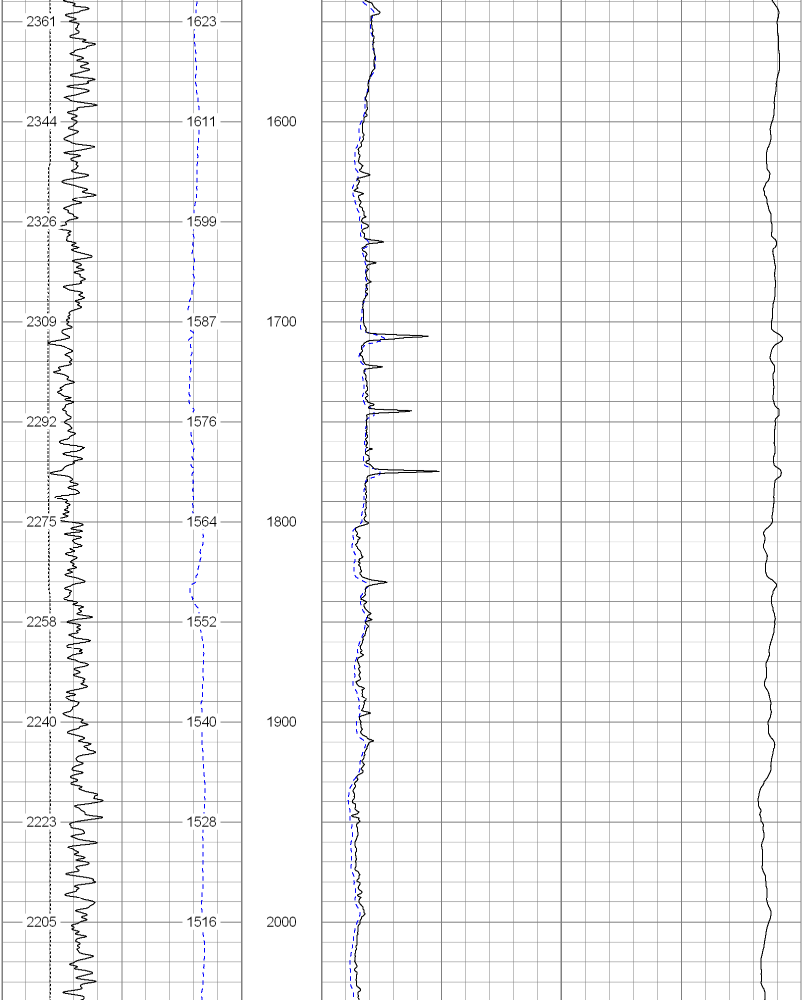
0 Deep Resistivity (Ohm-m) 50
0 Shallow Resistivity (Ohm-m) 50
50 RILD (Ohm-m) 500
50 RLL3 (Ohm-m) 500

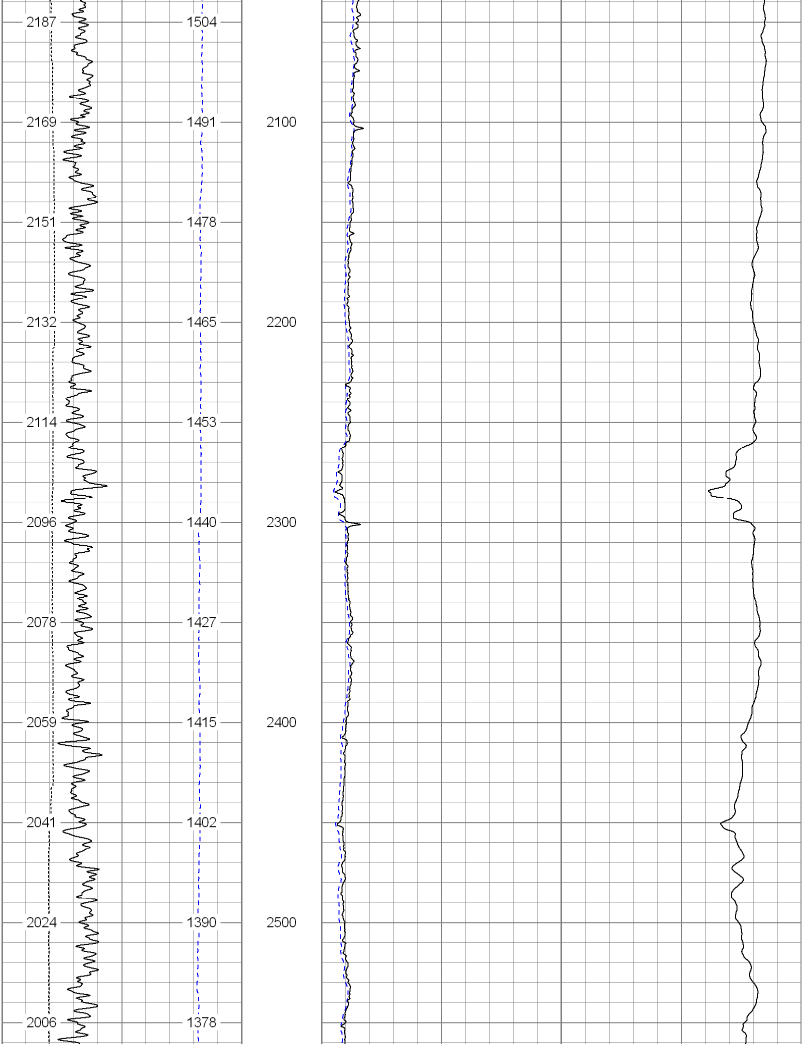
1000 CILD (mmho/m) 0

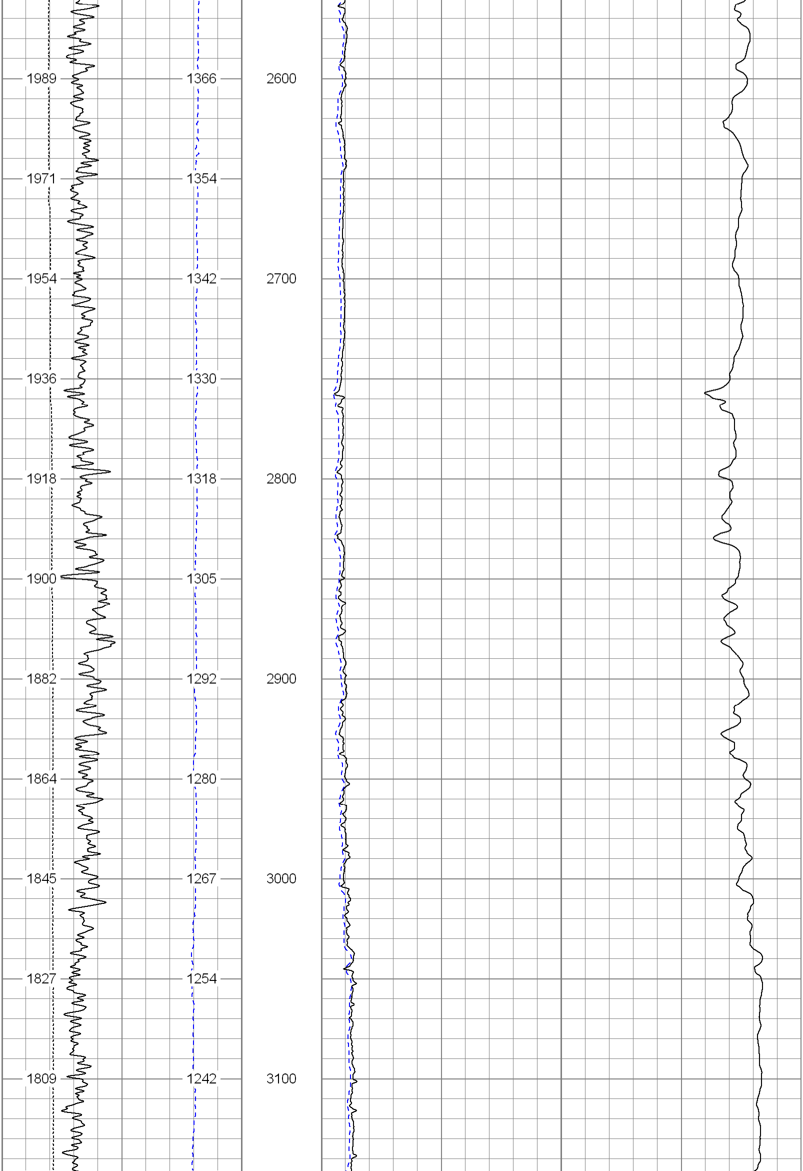


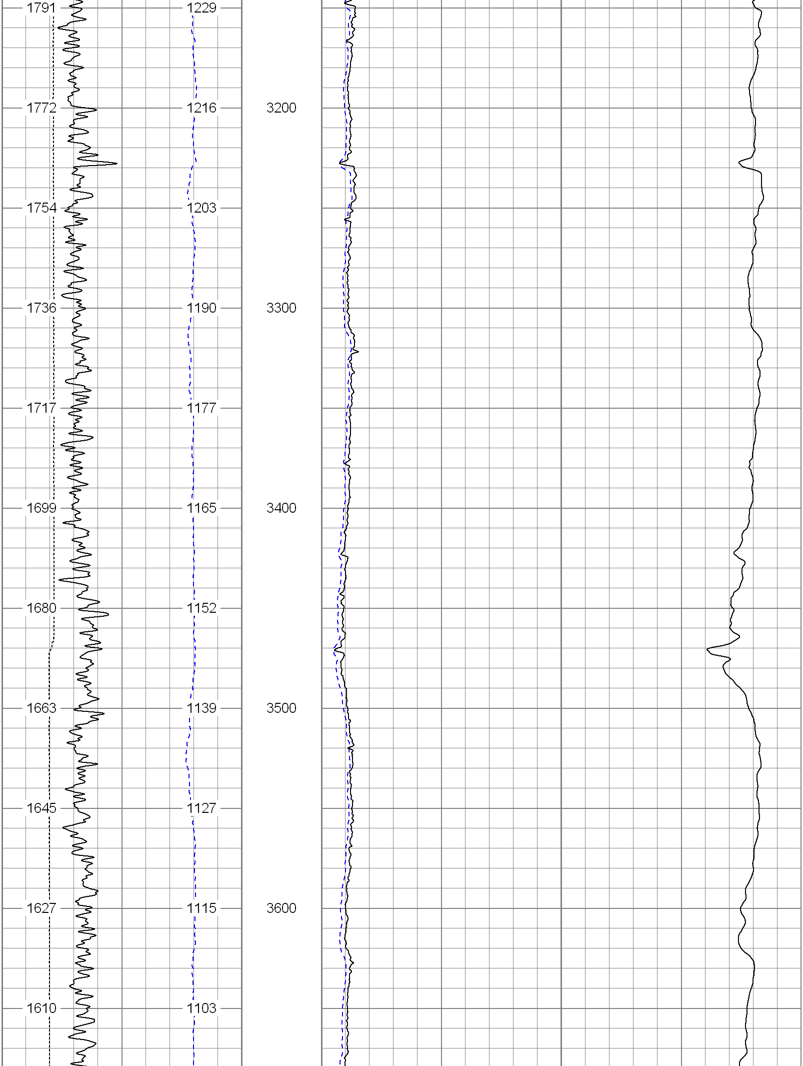


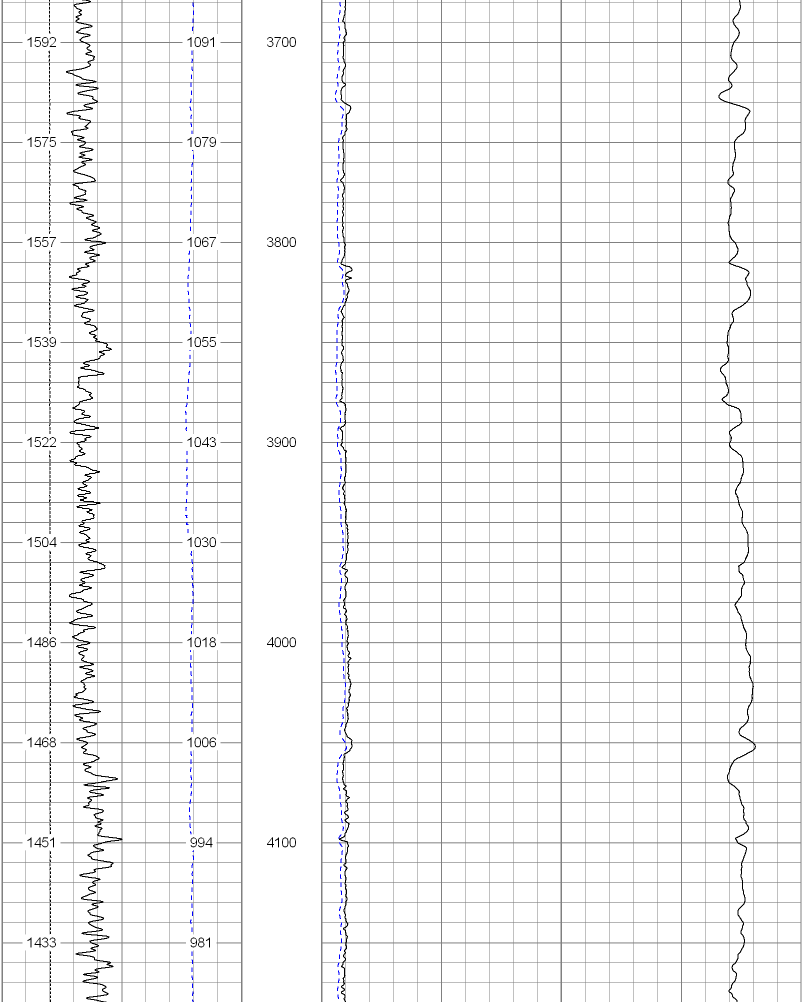


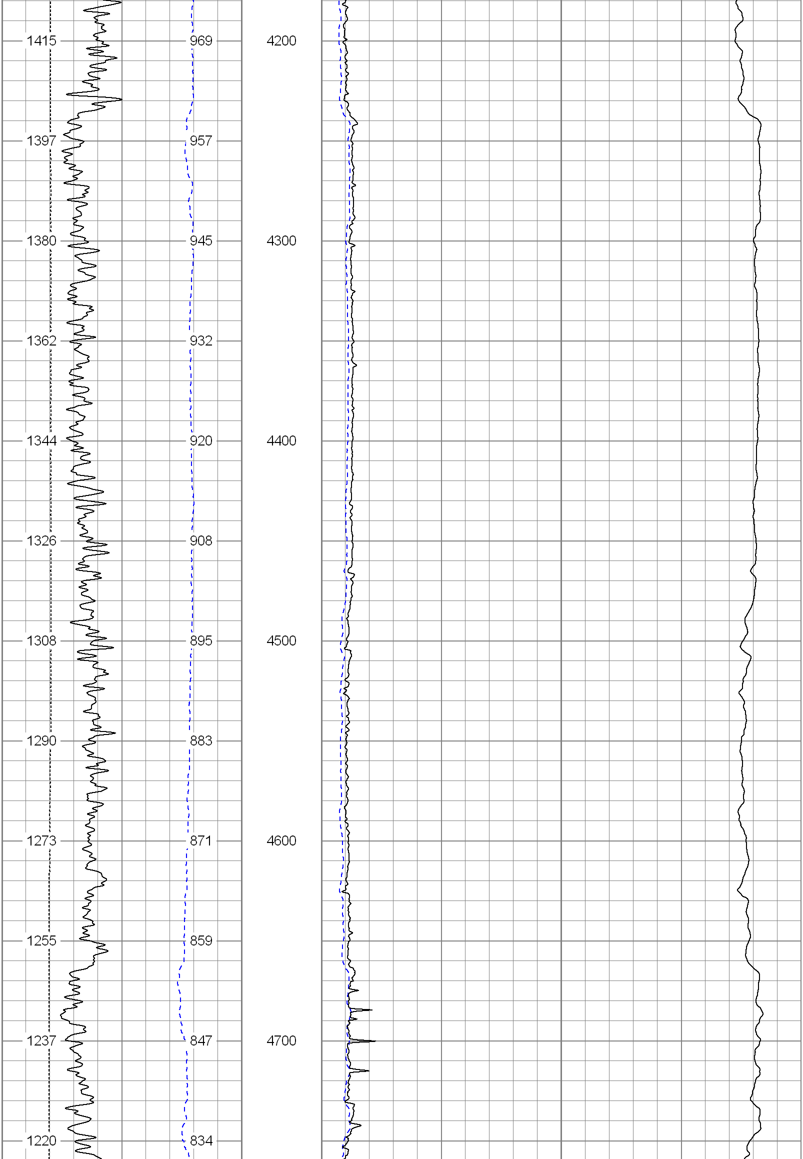


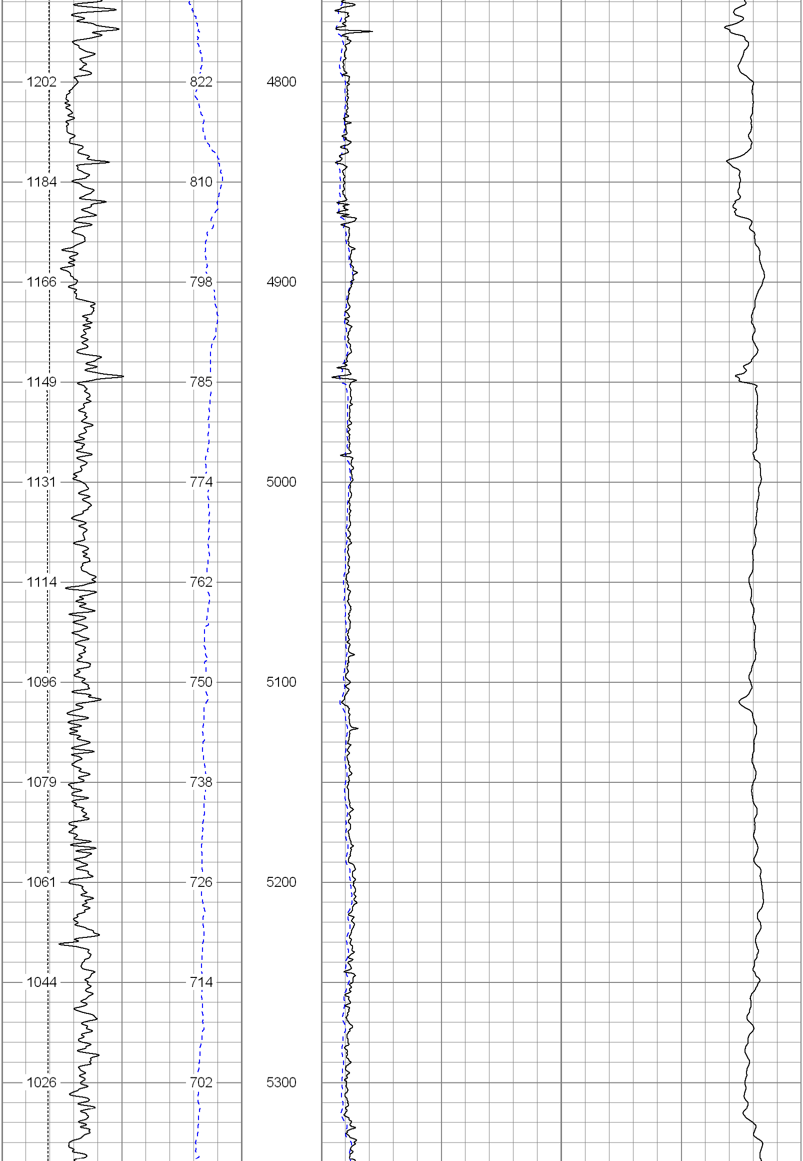


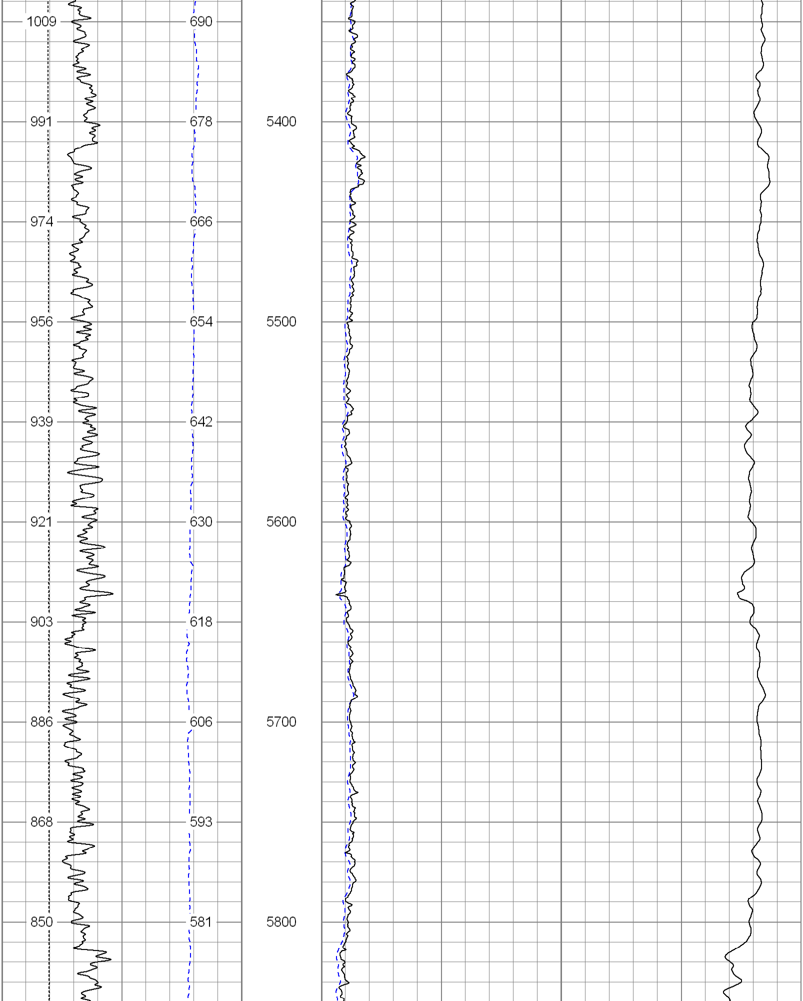


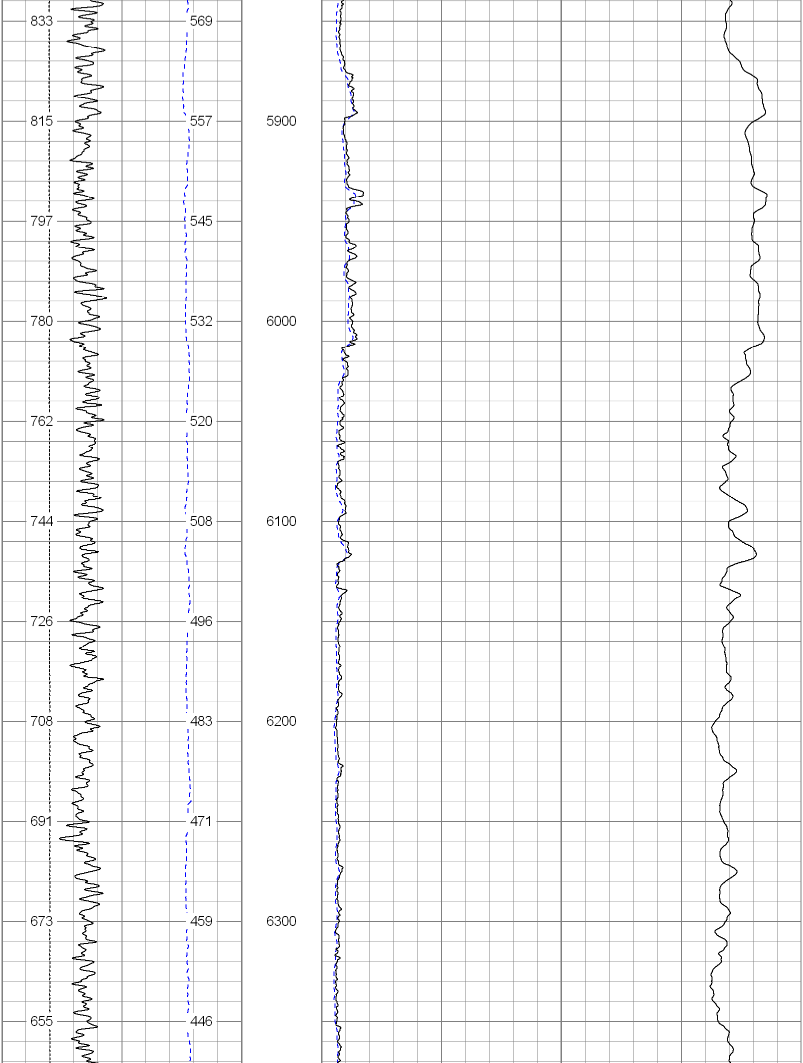


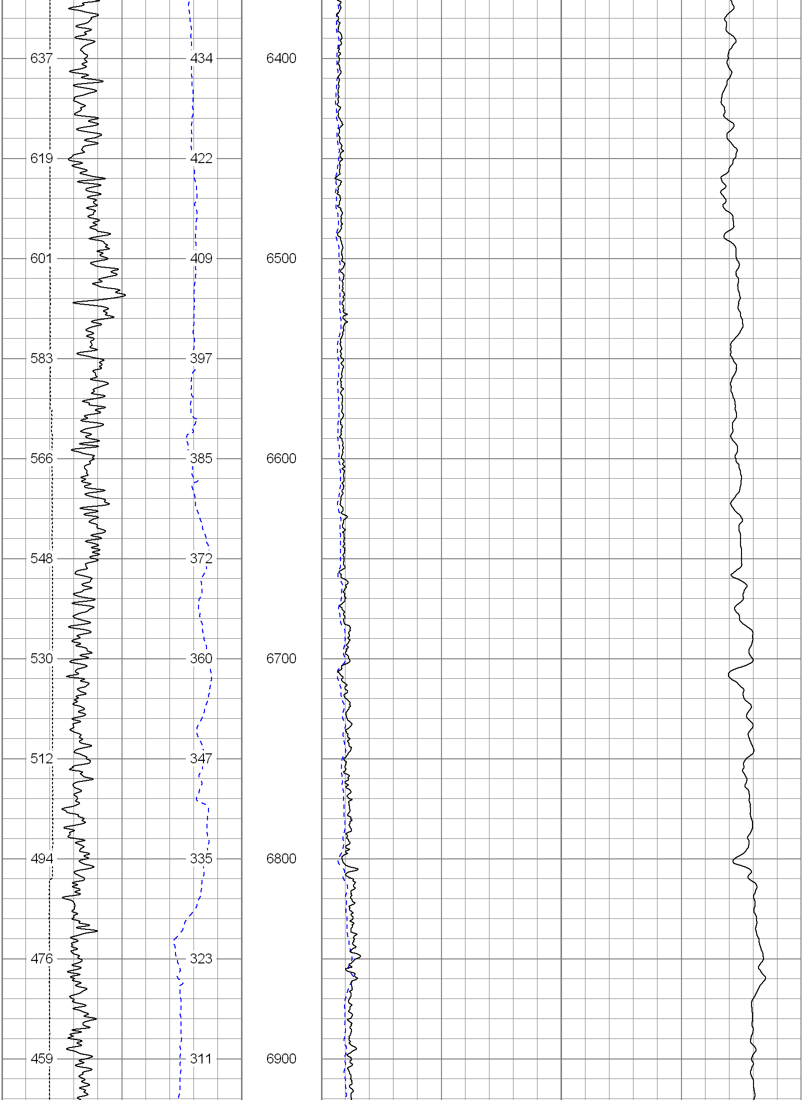


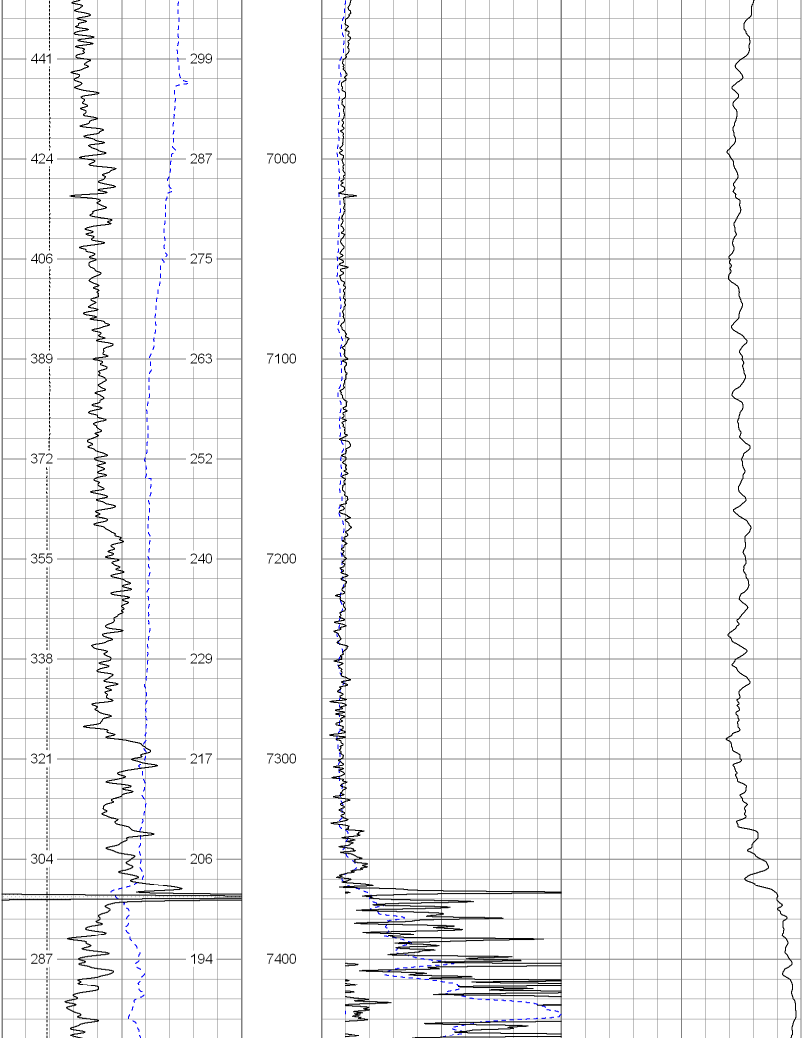


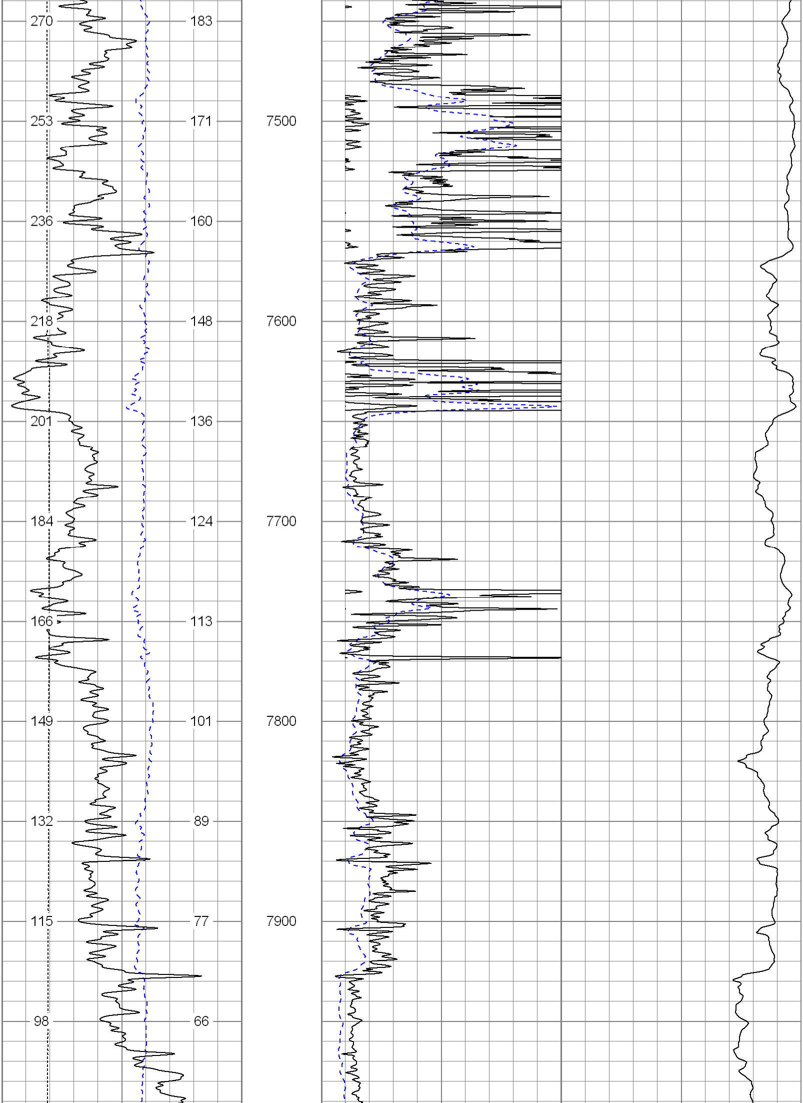


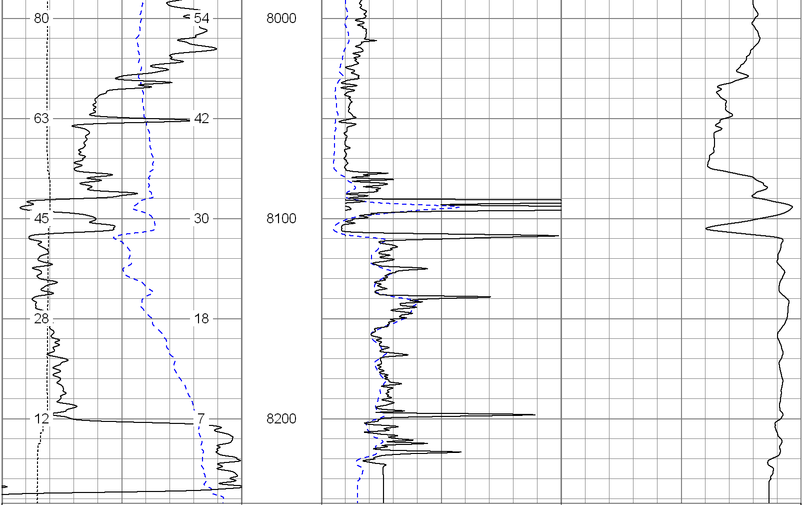












0 SP (mV) 200
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
TBHV (ft3) ABHV (ft3)

0 Deep Resistivity (Ohm-m) 50
0 Shallow Resistivity (Ohm-m) 50
50 RILD (Ohm-m) 500
50 RLL3 (Ohm-m) 500

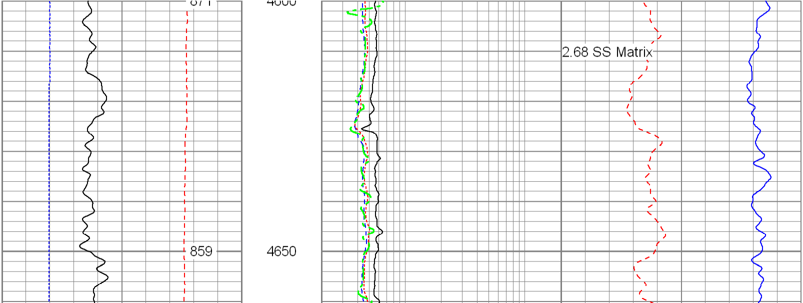
1000 CILD (mmho/m) 0

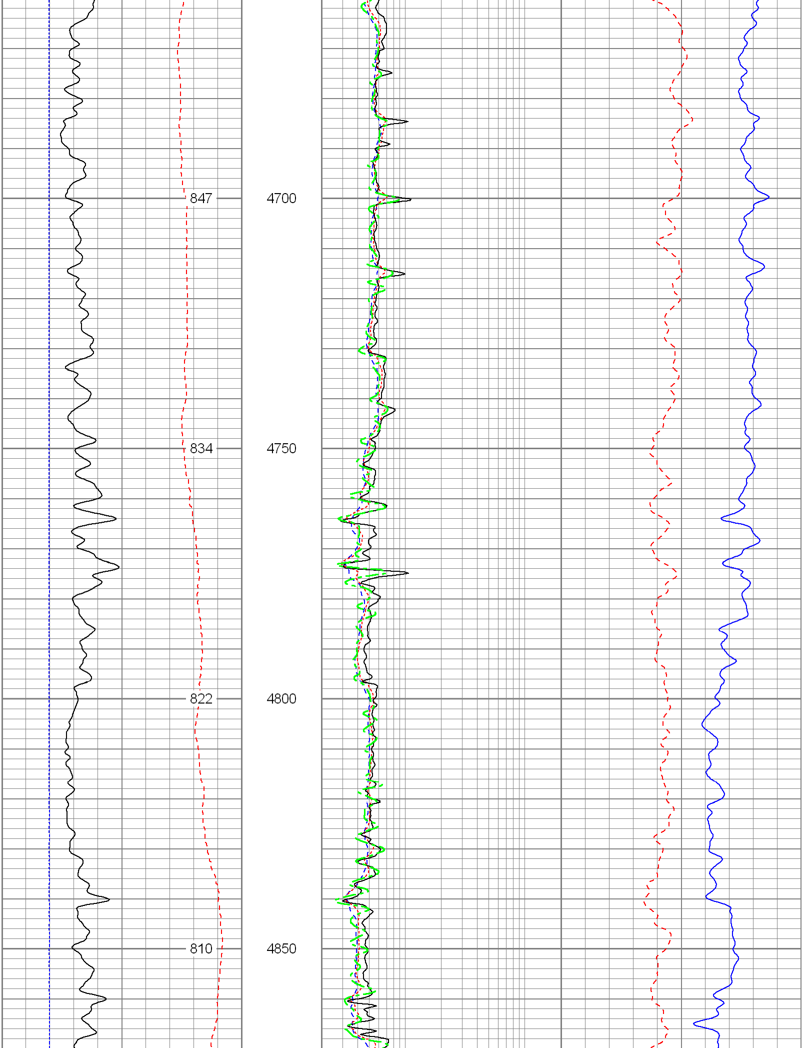
Database File:	12138.db
Dataset Pathname:	main
Presentation Format:	encana
Dataset Creation:	Sun Oct 23 15:04:59 2011
Charted by:	Depth in Feet scaled 1:240

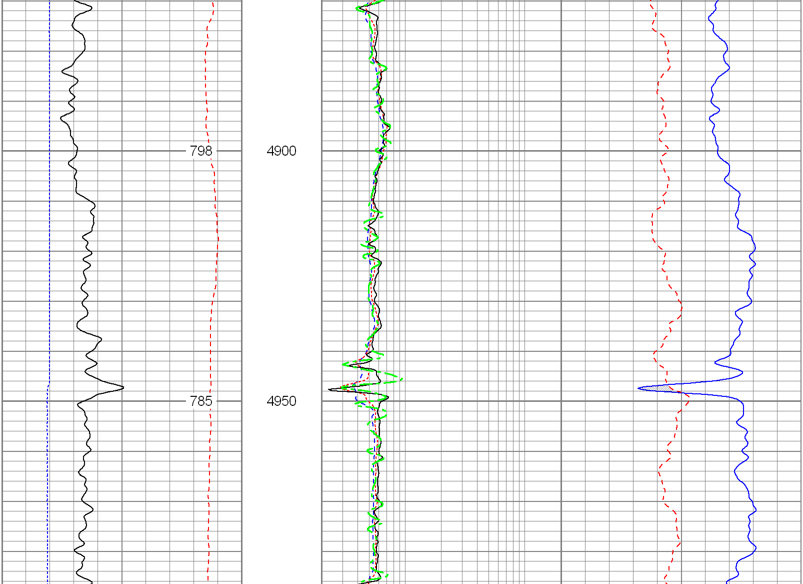
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)

2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0



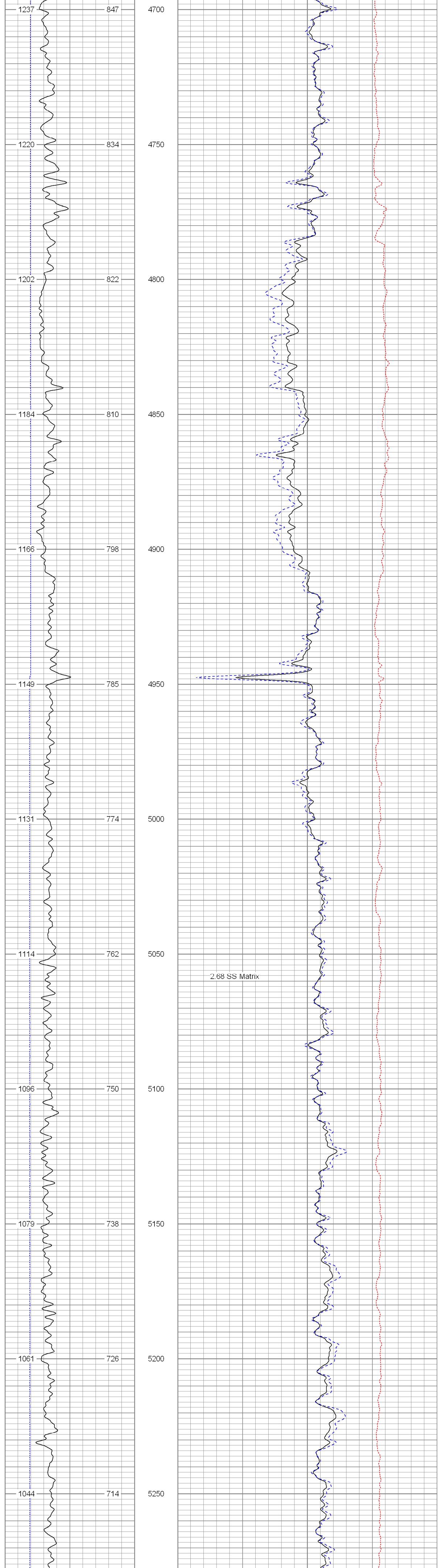




6	Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	40	Density Porosity (pu)	0
0	Gamma Ray (GAPI)	300	2	Medium Resistivity (Ohm-m)	200	40	Neutron Porosity (pu)	0
0	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			
		ABHV (ft3)	2	Rt (Ohm-m)	200			

Database File:	12138.db
Dataset Pathname:	main
Presentation Format:	cdlenc
Dataset Creation:	Sun Oct 23 15:04:59 2011
Charted by:	Depth in Feet scaled 1:240

6	Caliper (in)	16	2	Bulk Density (g/cc)				3
0	Gamma Ray (GAPI)	300	30	Density Porosity (pu)				-10
TBHV (ft3)		ABHV (ft3)				-0.5	Correction (g/cc)	0.5



Calibration Report

Database File: 12138.db
Dataset Pathname: pass1
Dataset Creation: Sun Oct 23 13:25:57 2011 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 944-PSI
Surface Cal Performed:

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	101.539	965.423	4.000	250.000	mmho/m	0.595	-19.000
Medium	89.571	1004.870	4.000	250.000	mmho/m	0.440	-43.000

Compensated Density Calibration Report

Serial-Model: 920-PSI
Master Calibration Performed: Mon Oct 10 08:33:31 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	6748.00	9075.00	cps
Aluminum	2.690	g/cc	1258.00	5864.00	cps

	Size		Reading
Small Ring	5.50	in	0.68
Large Ring	24.00	in	0.34

Microlog Calibration Report

Serial-Model: 946-PSI
Performed: Fri Oct 21 12:28:09 2011

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	10720.0000	0.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	9120.0000	0.0000

Compensated Neutron Calibration Report

Serial Number: 853
Tool Model: PSI

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.9000
Long Space	1.00	cps	1.00	cps	2.0300

Gamma Ray Calibration Report

Serial Number: 949
Tool Model: PSI

CALIBRATION	Wed Oct 12 16:06:25 2011	
Calibrator Value:	330.0	GAPI
Background Reading:	53.1	cps
Calibrator Reading:	502.1	cps
Sensitivity:	0.6000	GAPI/cps