PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company **EnCana Oil & Gas (USA) Inc.**
Well **Canyon Creek 43-13**
Field **Wattenberg**
County **Boulder** State/Province **Colorado**

Location
SHL: 2045' FSL & 2133' FEL NWSE
BHL: 2100' FSL & 510' FEL NESE
Sec 13, Twp 1N, Rge 69W

Other Services
None

Elevation
K.B. 5071
D.F. 5071
G.L. 5058

Permanent Datum GL Elevation 5058
Log Measured From KB
Drilling Measured From KB

Date	July 2, 2012		
Run Number	1		
Depth Driller	8650		
Depth Logger	8631		
Bottom Logged Interval	8631		
Top Log Interval	Casing		
Casing Driller	838		
Casing Logger	838		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.8 / 55		
pH / Fluid Loss	8.5 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 90 F		
Rmf @ Meas. Temp	2.20 @ 90 F		
Rmc @ Meas. Temp	3.75 @ 90 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.17 @ 224 F		
Time Circulation Stopped	1700 7-1-12		
Time Logger on Bottom	0130		
Maximum Recorded Temperature	224 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Harrison		

<<< Fold Here >>>

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

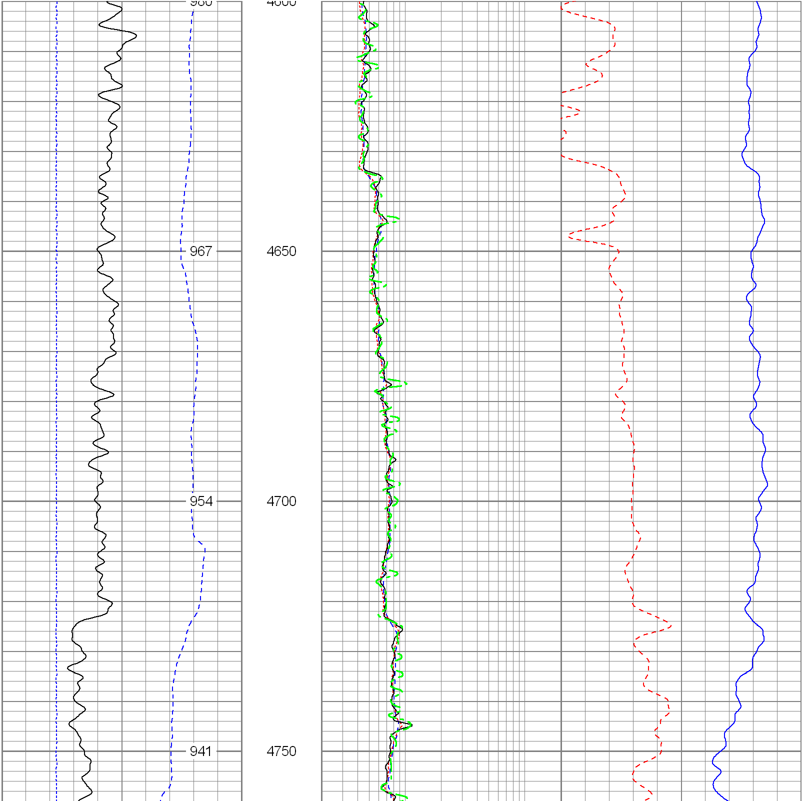
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 122
Thank you for using Phoenix Surveys!!
API #: 05-013-06632
No repeat pass due to hole conditions.

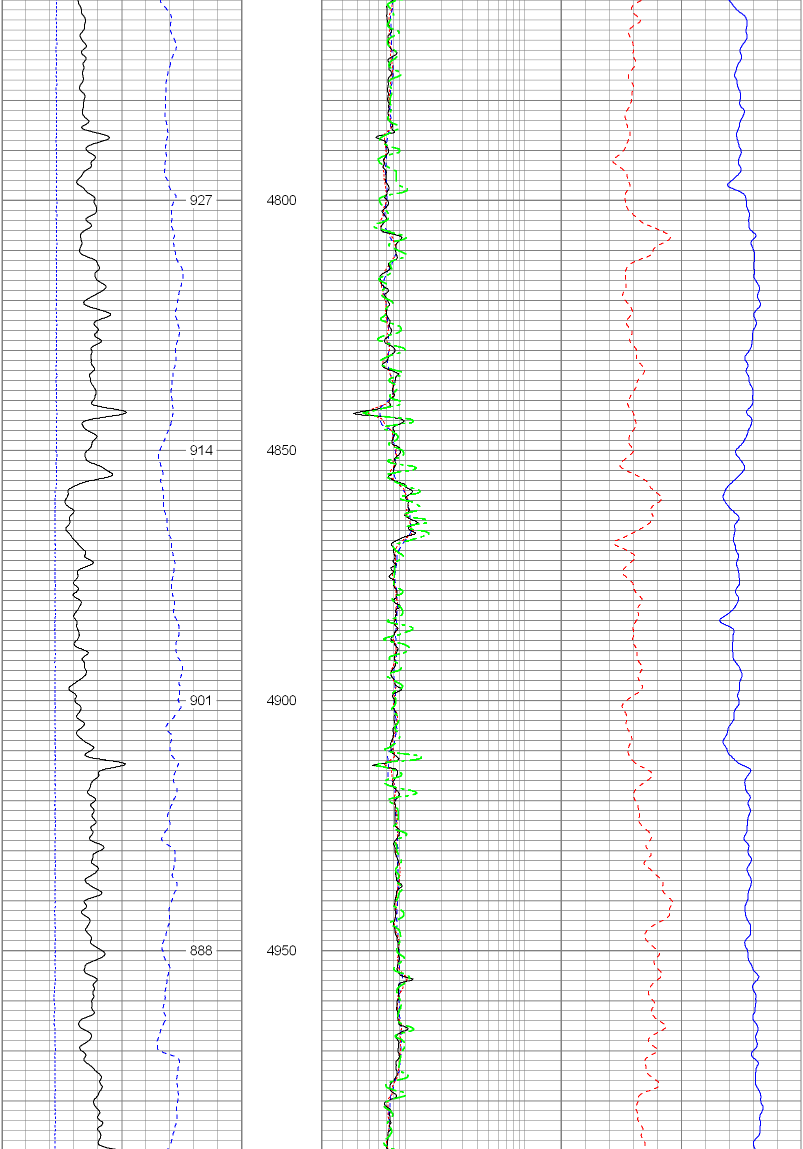
Database File:	12949.db
Dataset Pathname:	main
Presentation Format:	encana1
Dataset Creation:	Mon Jul 02 03:22:59 2012
Charted by:	Depth in Feet scaled 1:240

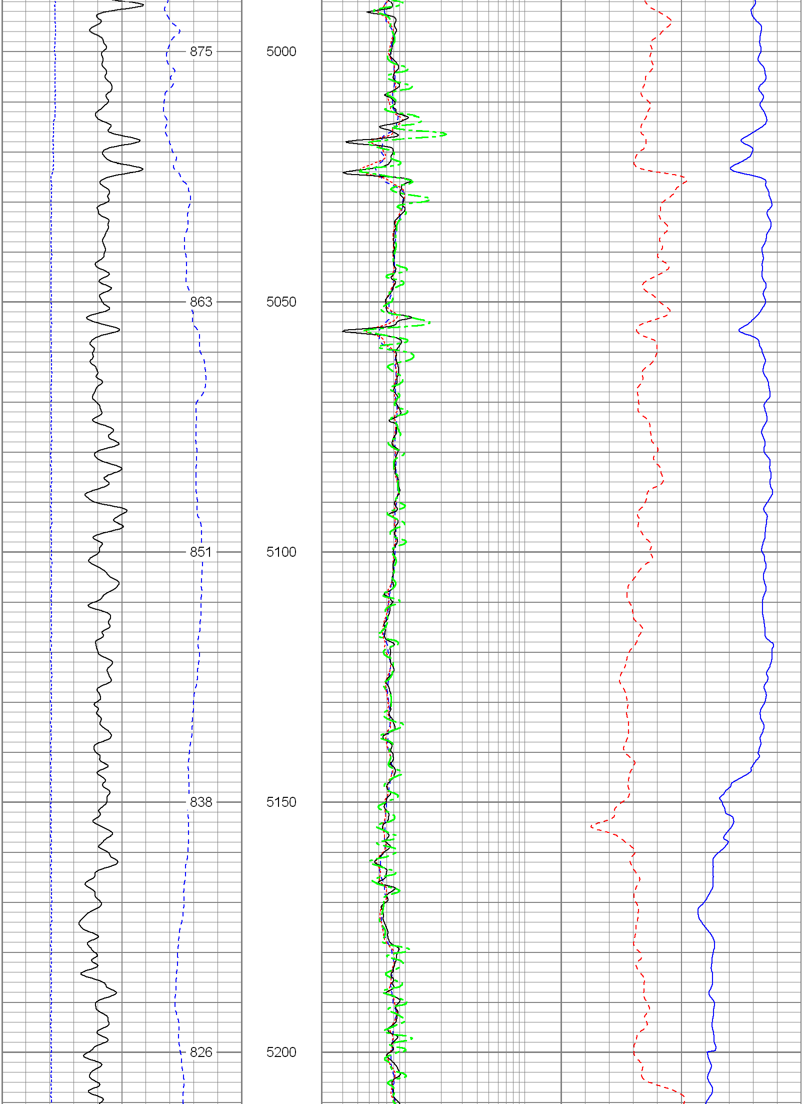
6 Density Caliper (in) 16
0 Gamma Ray (GAPI) 300
80 SP (mV) 180
ABHV (ft3)

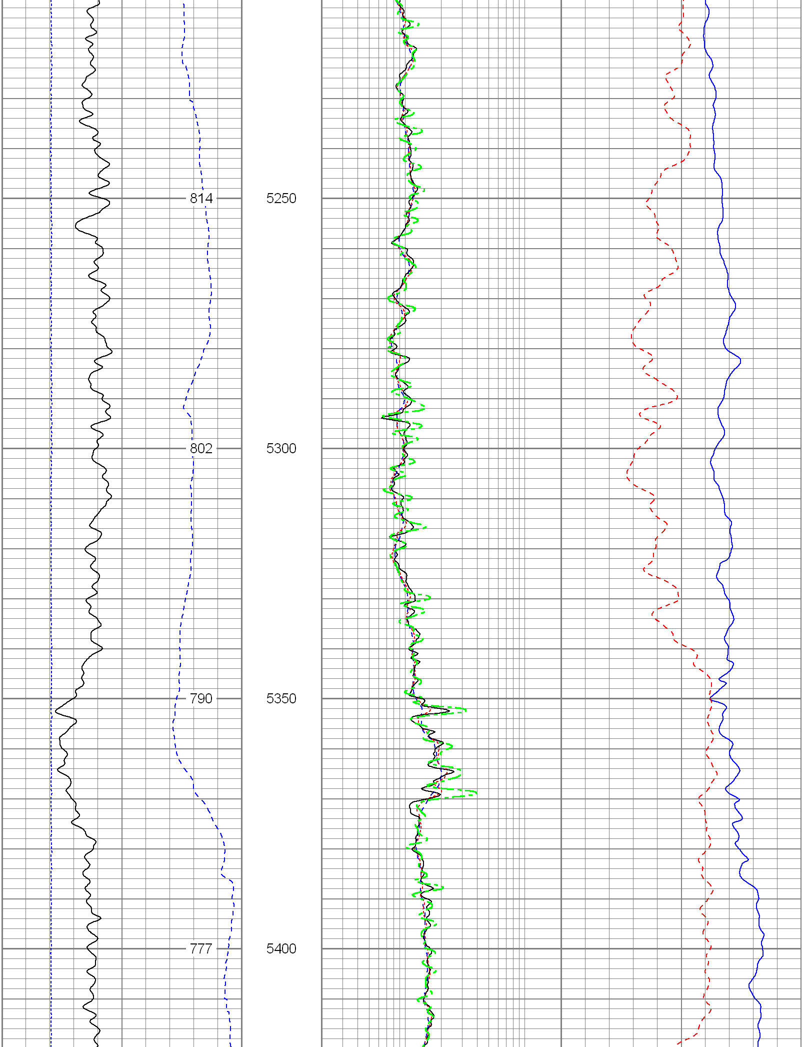
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 RT (Ohm-m) 200

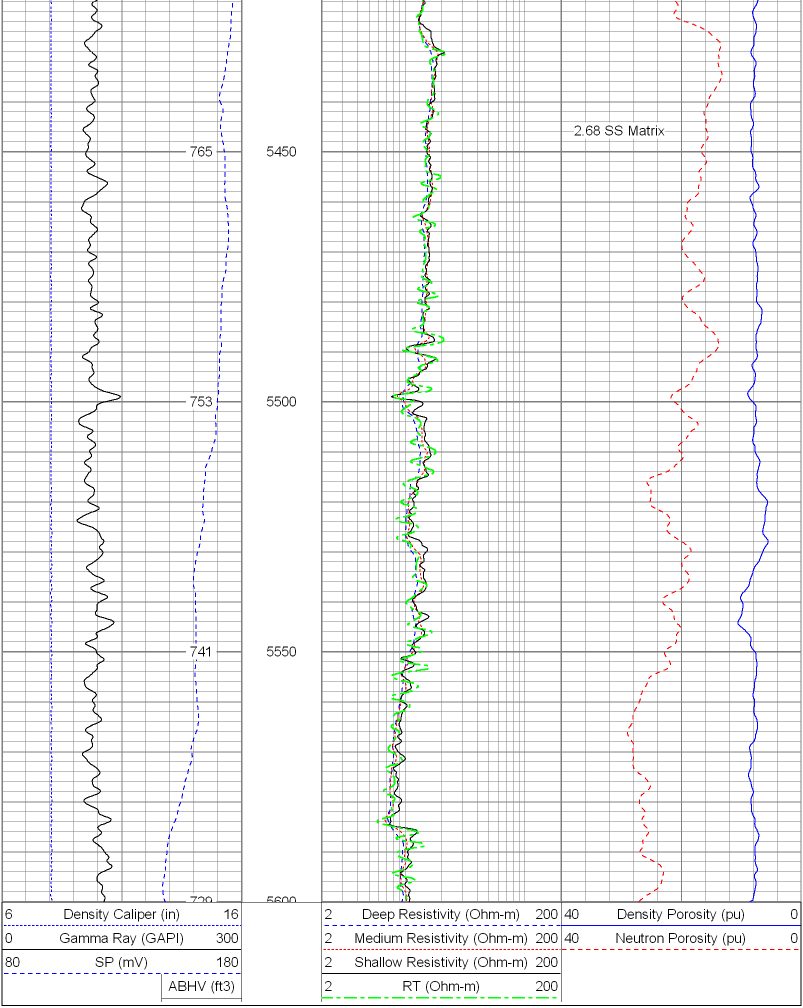
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0



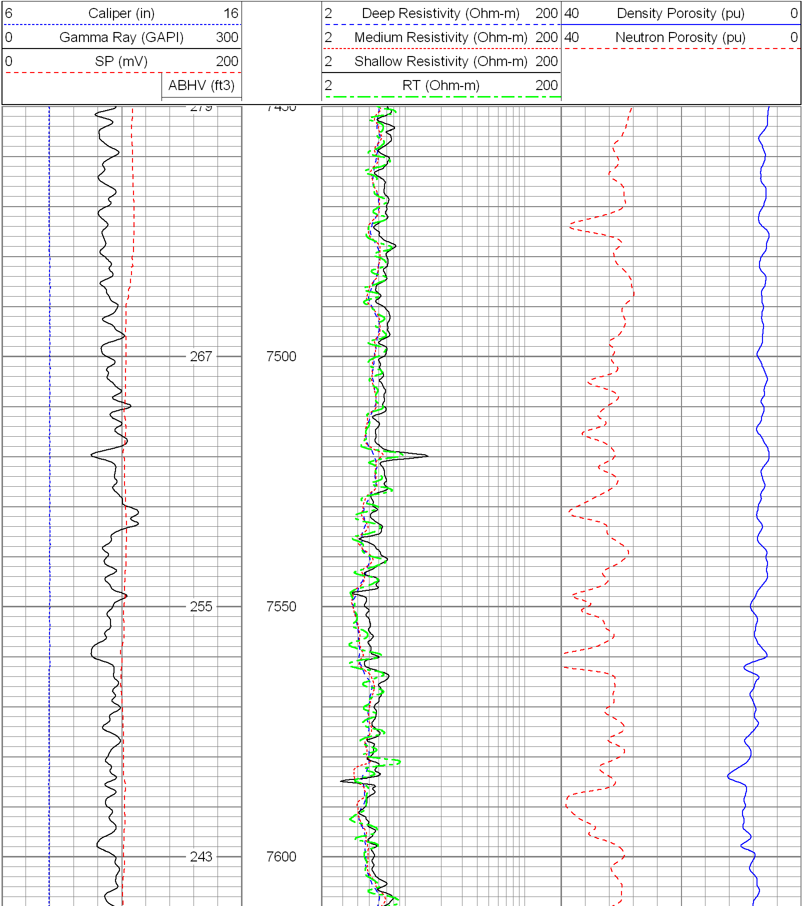
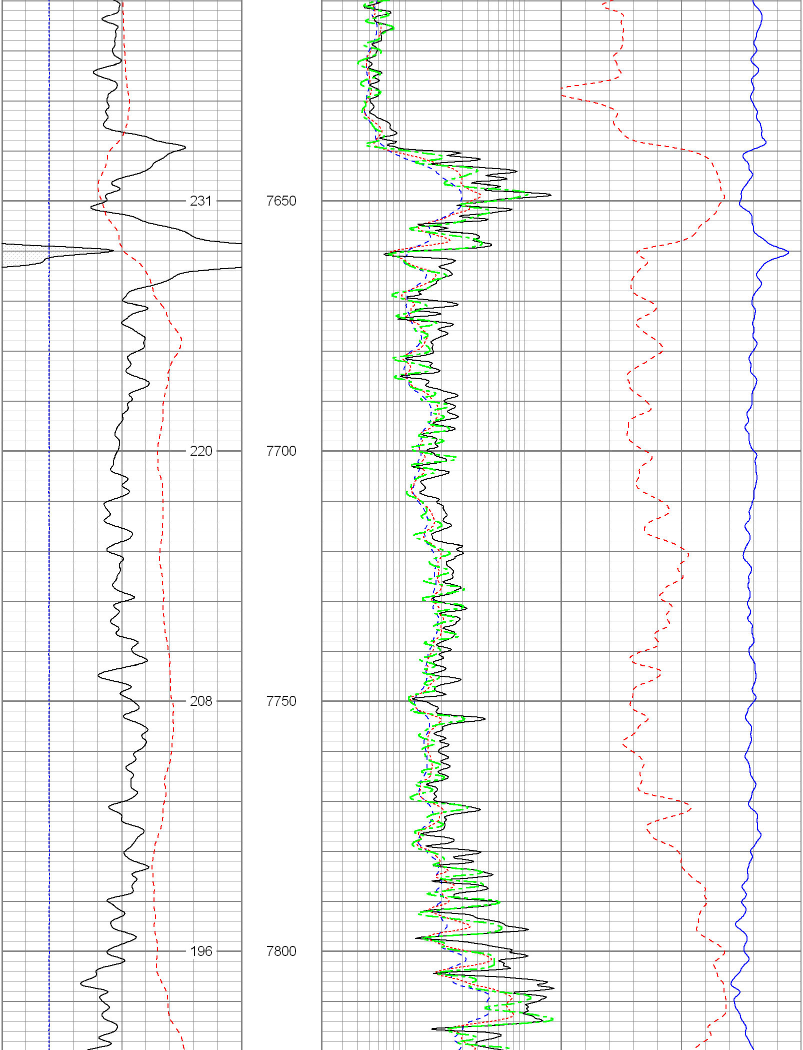
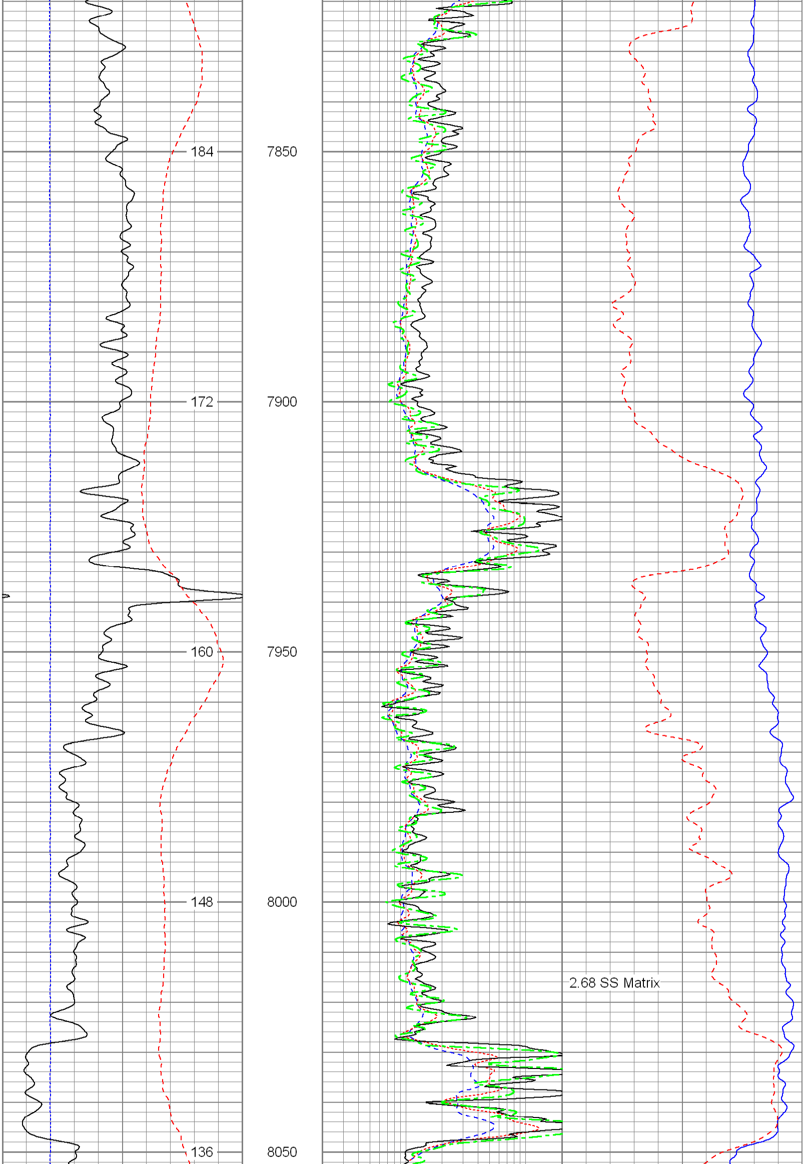
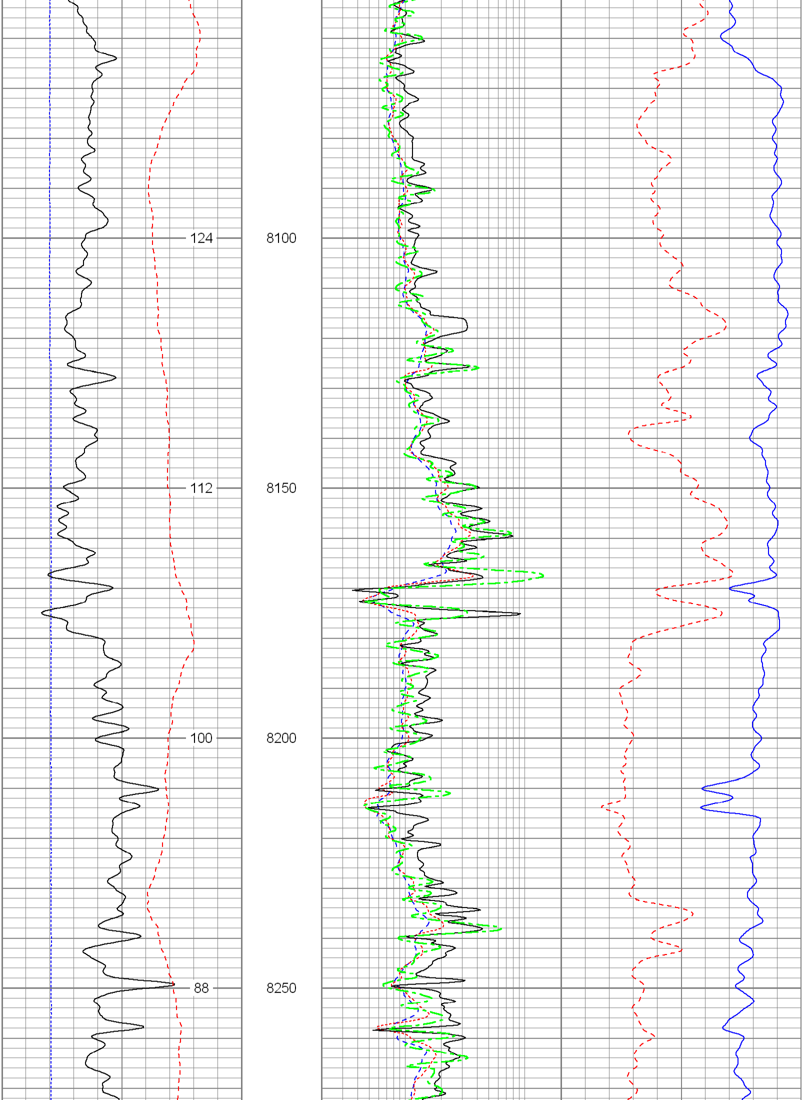
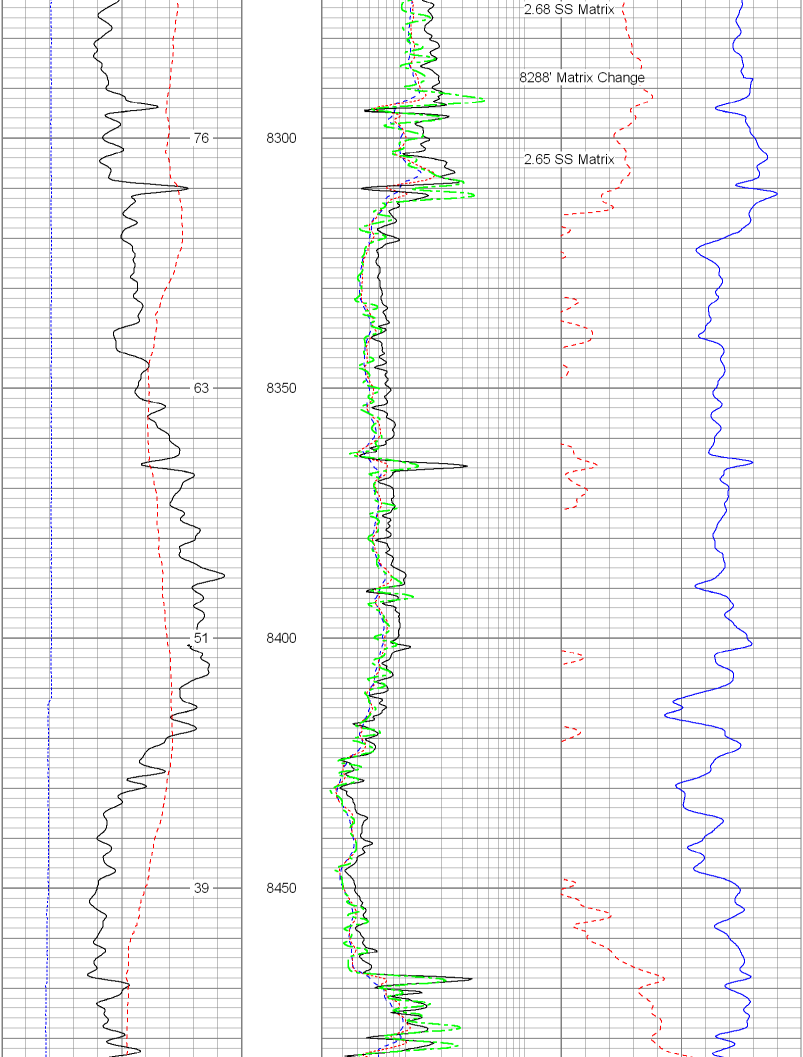
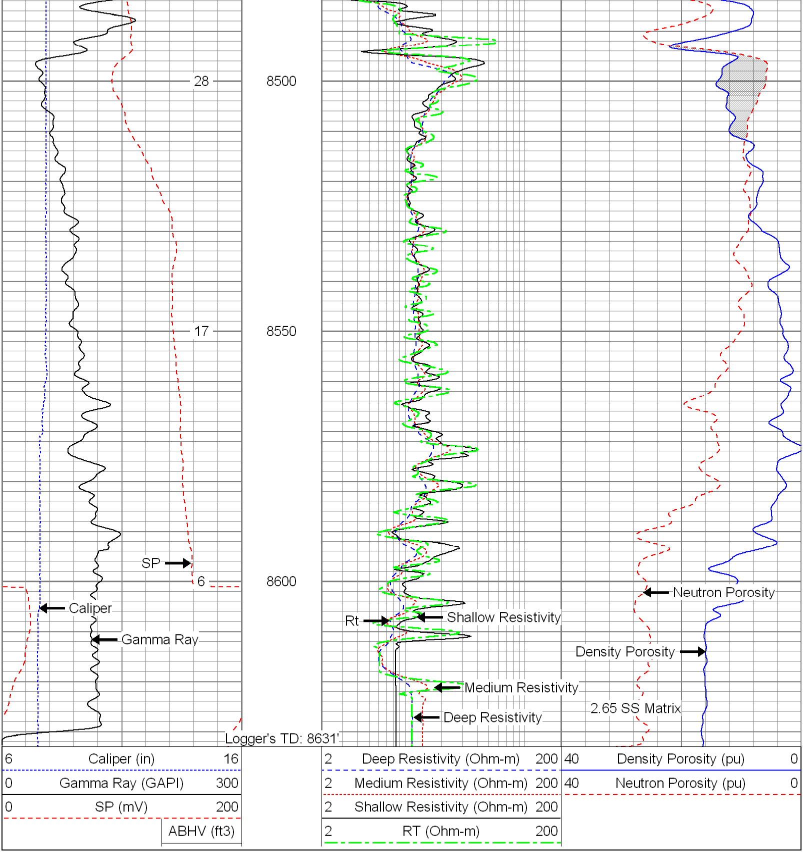








Database File: 12949.db
Dataset Pathname: main
Presentation Format: encana
Dataset Creation: Mon Jul 02 03:22:59 2012
Charted by: Depth in Feet scaled 1:240


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
279
7450
267
7500
255
7550
243
7600