PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	EnCana Oil & Gas (USA) Inc
Well	Haley 32-3
Field	Wattenberg
County	Boulder
State/Province	Colorado

Location
1959' FNL & 1989' FEL
SW NE
Sec. 3, Twp. 1N, Rge. 69W

Other Services
None

Elevation
K.B. 5093
D.F. 5092
G.L. 5078

Permanent Datum	GL	Elevation	5078
Log Measured From	KB		
Drilling Measured From	KB		

Date	March 10, 2008		
Run Number	1		
Depth Driller	8245		
Depth Logger	8240		
Bottom Logged Interval	8240		
Top Log Interval	Casing		
Casing Driller	730		
Casing Logger	730		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.8 / 57		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.75 @ 70° F		
Rmf @ Meas. Temp	2.81 @ 70° F		
Rmc @ Meas. Temp	4.72 @ 70° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.11 @ 222° F		
Time Circulation Stopped	1145		
Time Logger on Bottom	2330		
Maximum Recorded Temperature	222° F		
Equipment Number	4400		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Craig Hope		

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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 4-1/2" casing
Pattersen UTI Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-013-06568-00

Database File:	8476.db
Dataset Pathname:	pass3
Presentation Format:	encana1
Dataset Creation:	Mon Mar 10 23:26:41 2008 by Log Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240

6 Density Caliper (in) 16

0 Gamma Ray (GAPI) 300

50 SP (mV) 150

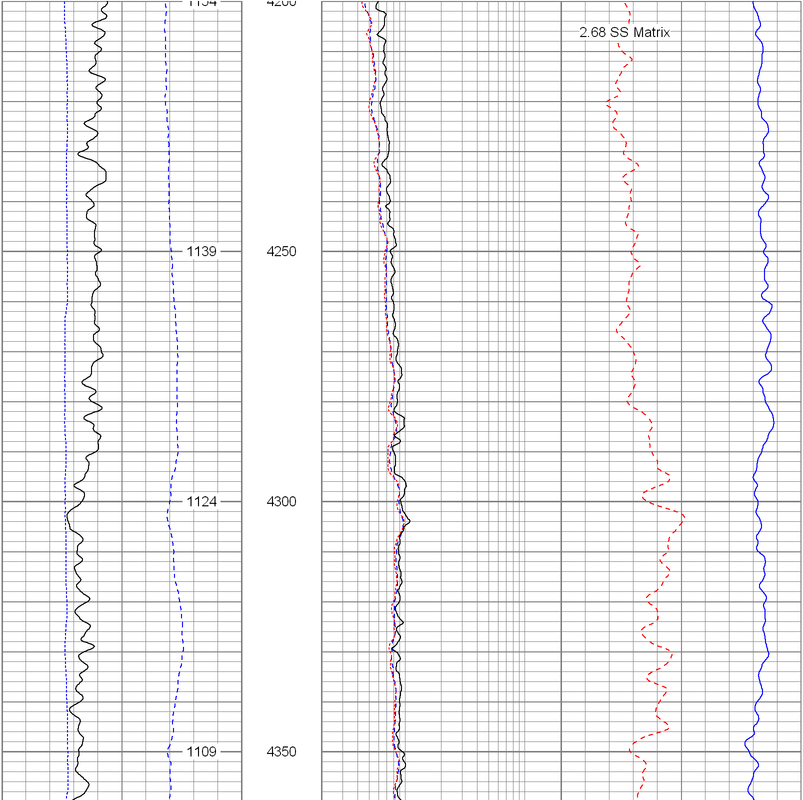
2 Deep Resistivity (Ohm-m) 200

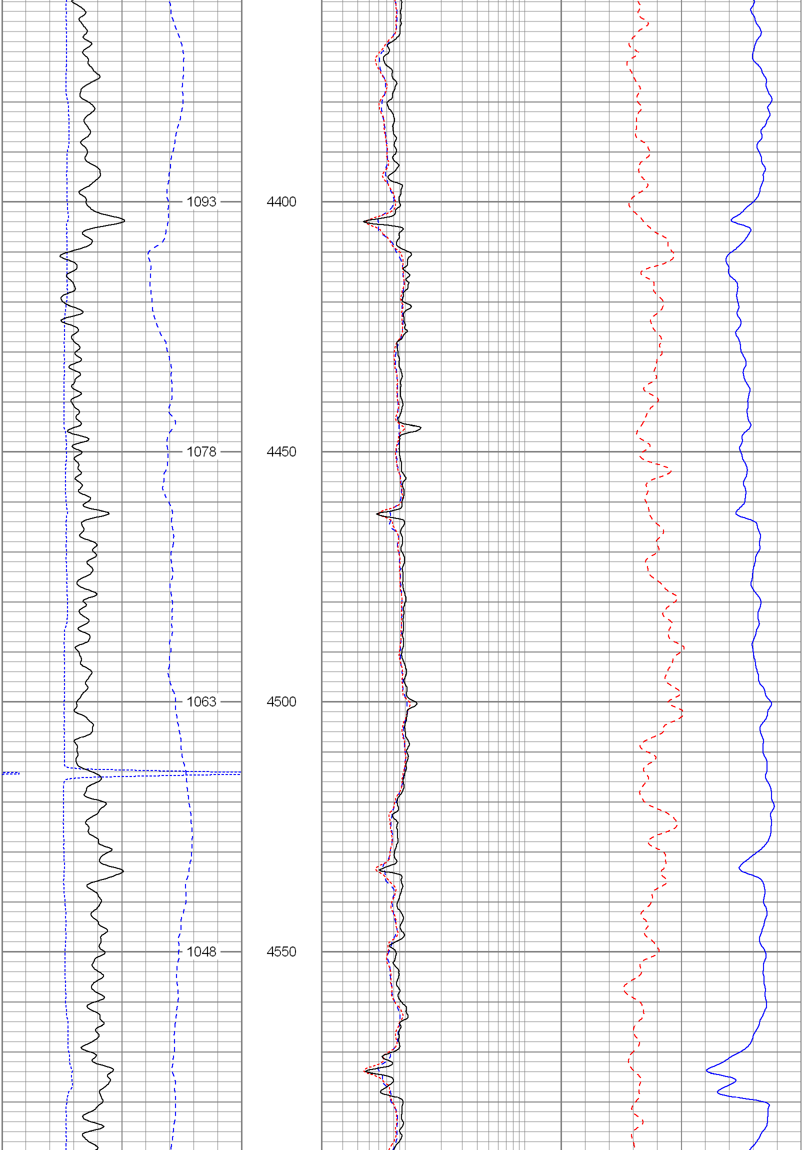
2 Medium Resistivity (Ohm-m) 200

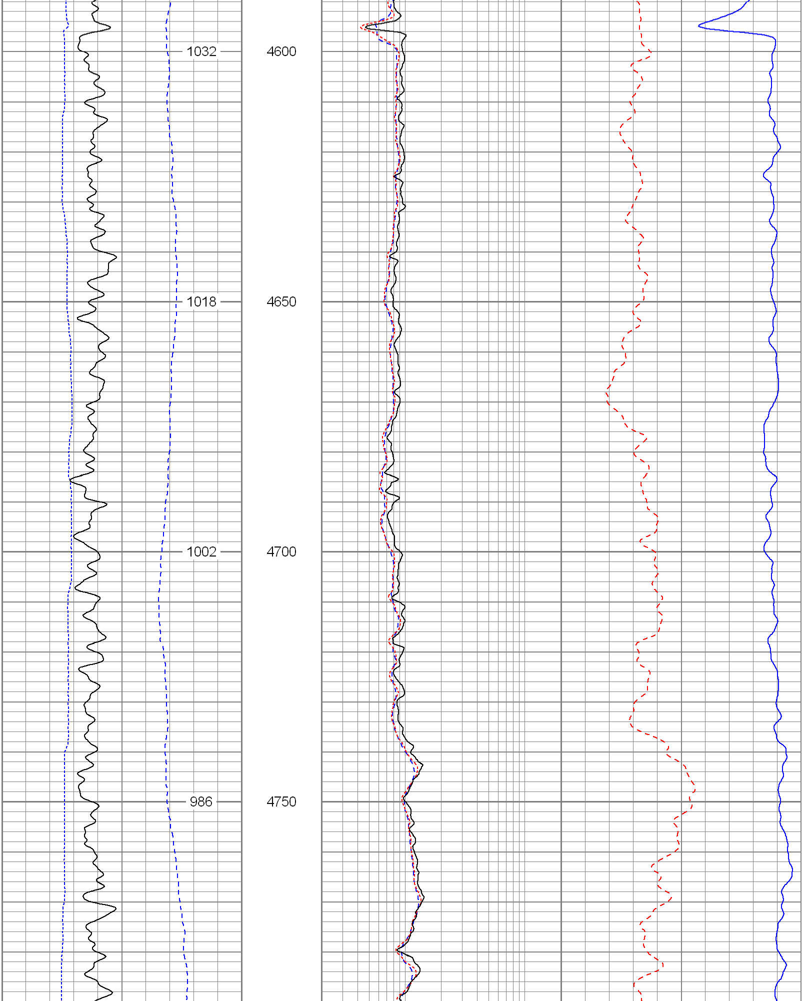
2 Shallow Resistivity (Ohm-m) 200

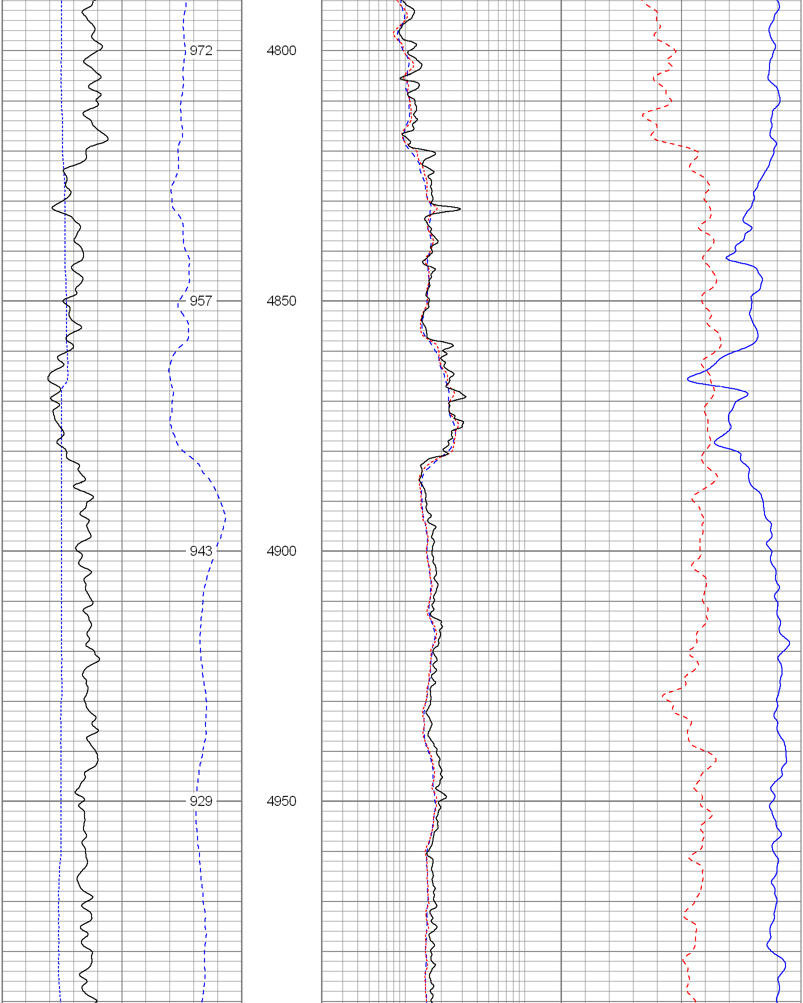
40 Density Porosity (pu) 0

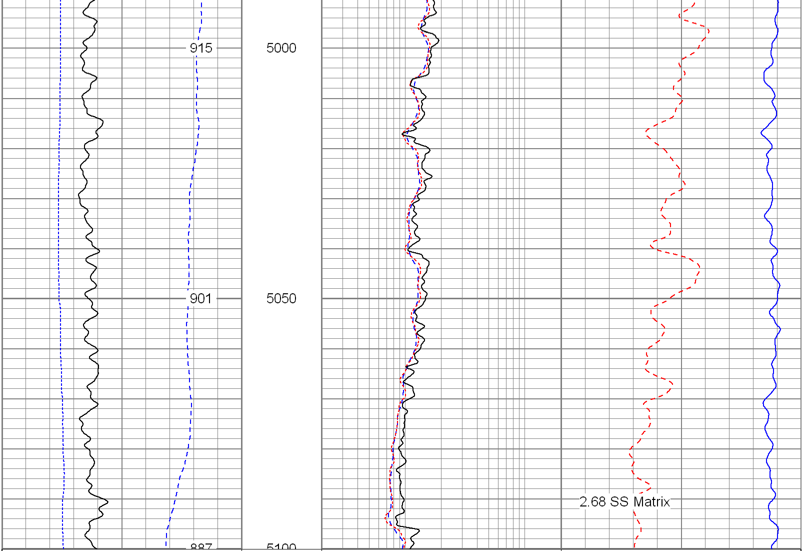
40 Neutron Porosity (pu) 0





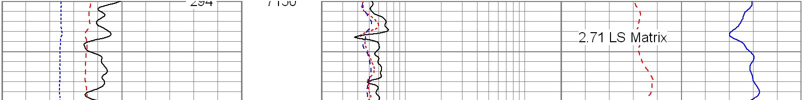
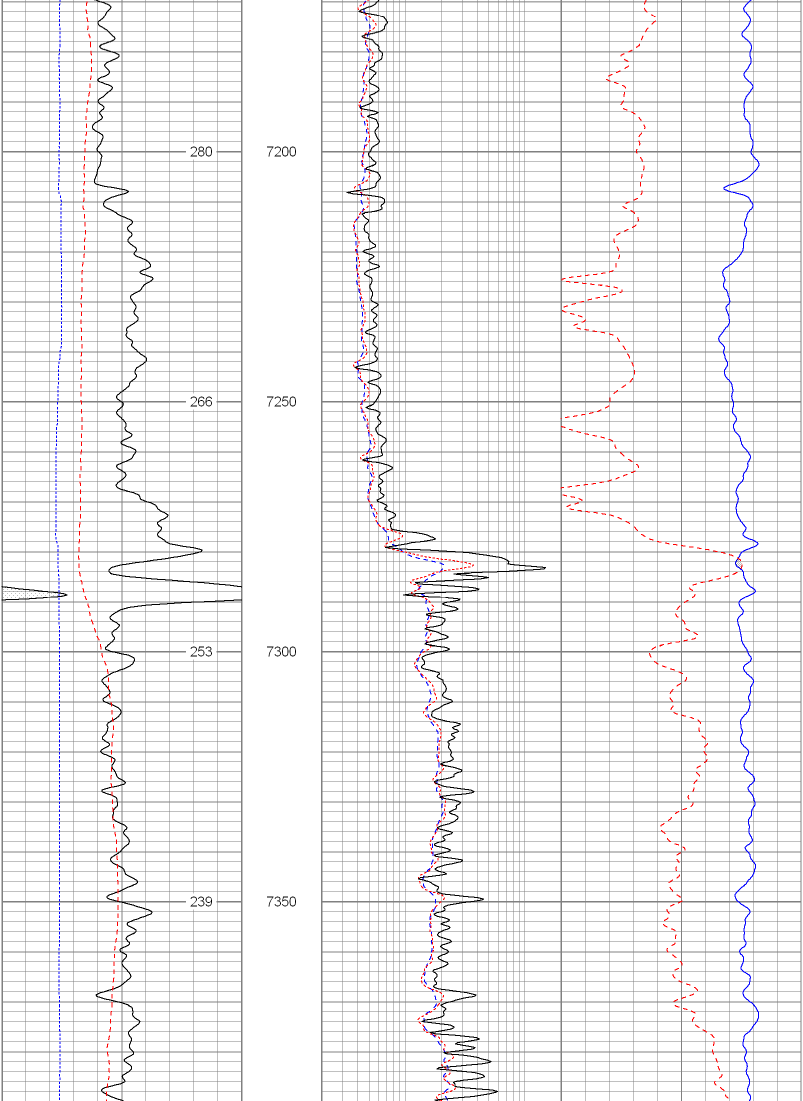
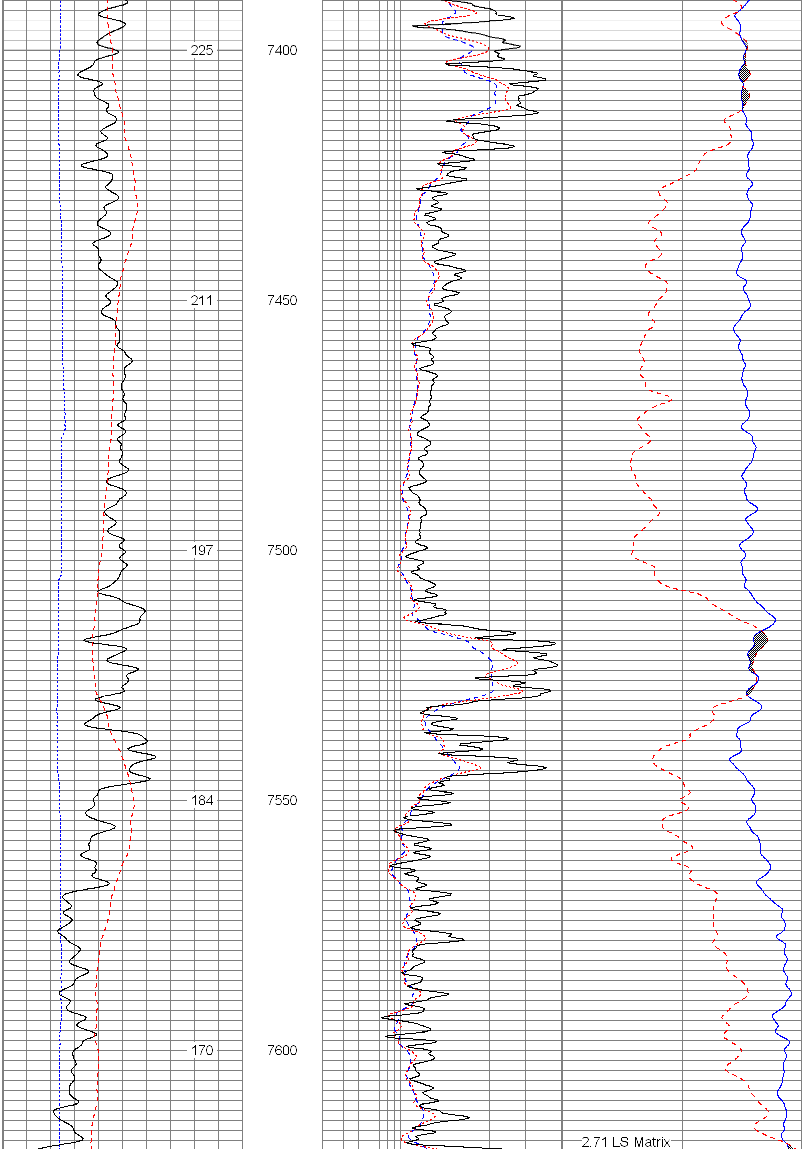
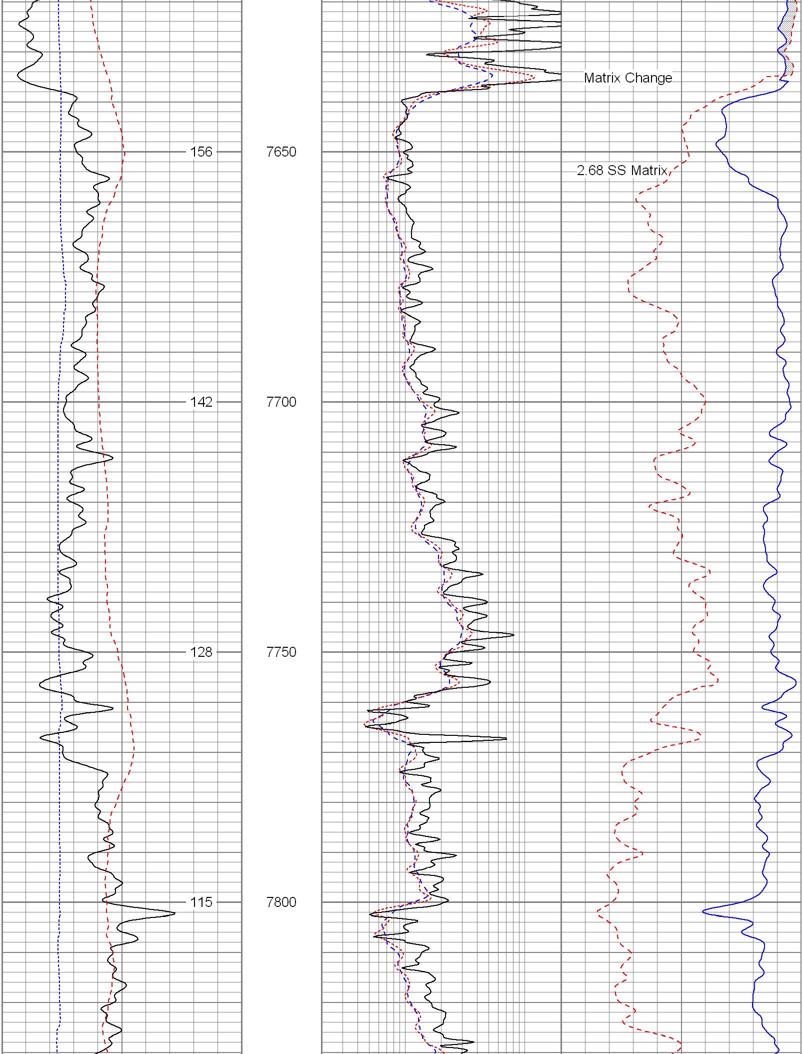
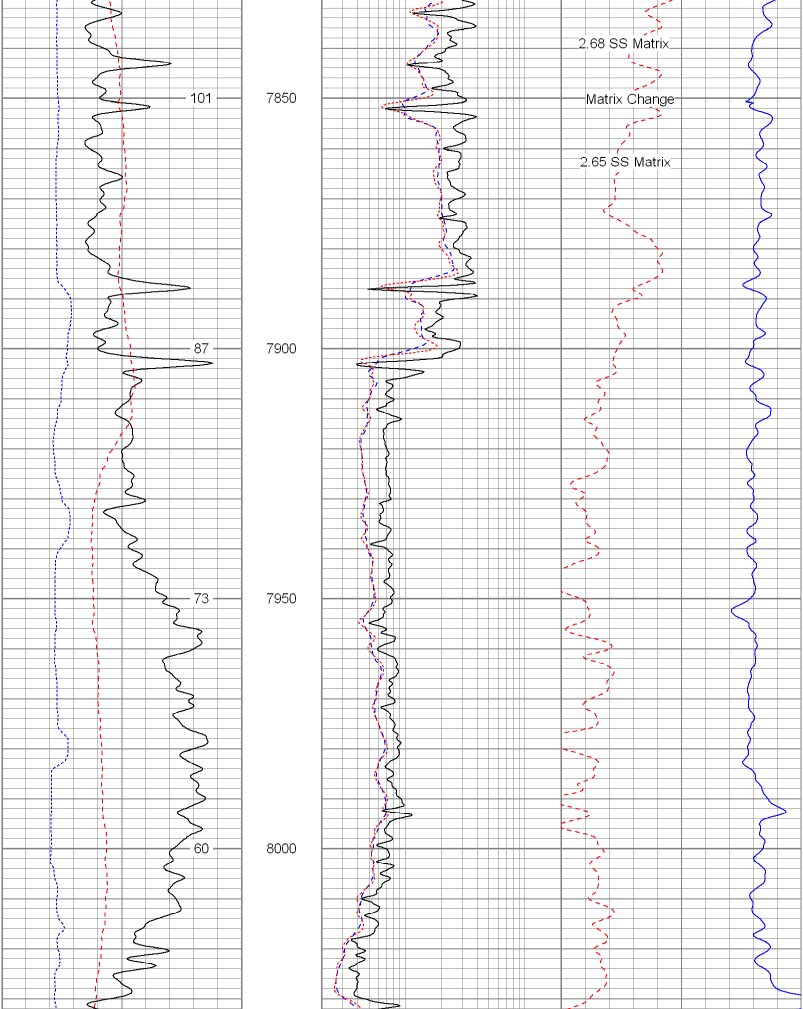
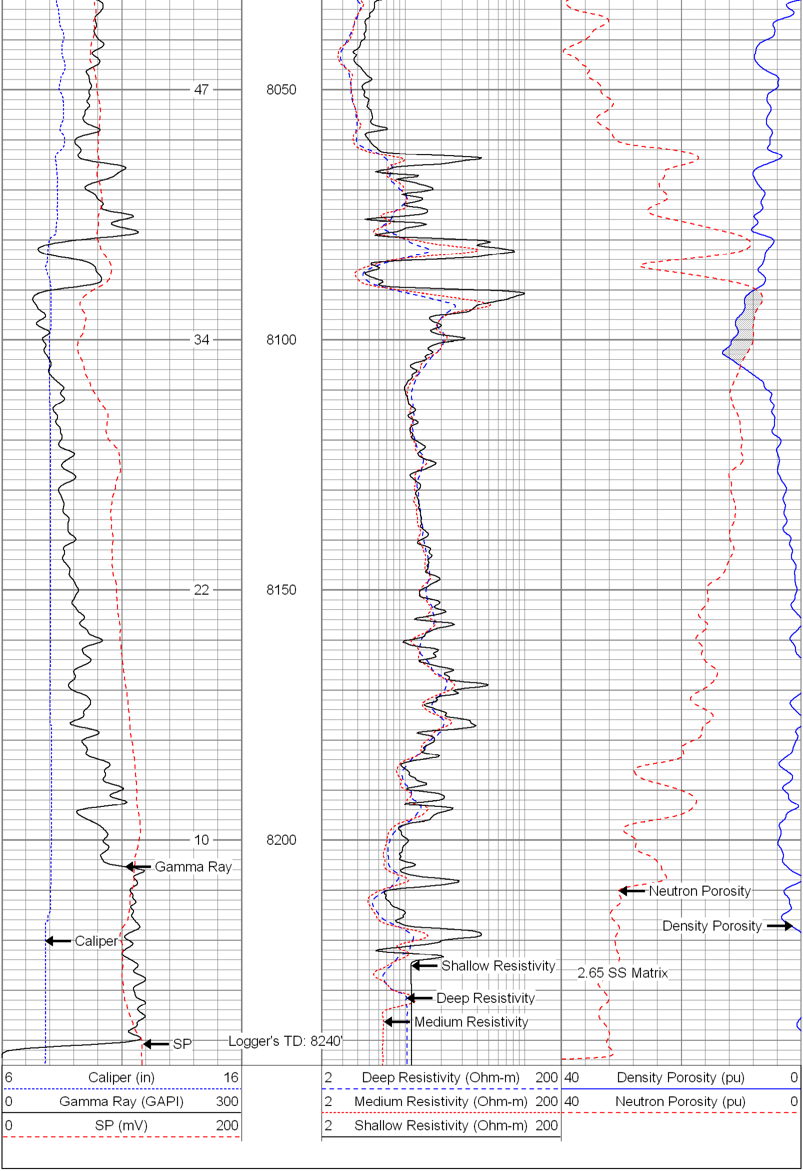






6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	40	Density Porosity (pu)	0
0	Gamma Ray (GAPI)	300	2	Medium Resistivity (Ohm-m)	200	40	Neutron Porosity (pu)	0
50	SP (mV)	150	2	Shallow Resistivity (Ohm-m)	200			

Database File: 8476.db
Dataset Pathname: pass3.1
Presentation Format: encana
Dataset Creation: Mon Mar 10 23:55:46 2008 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	40	Density Porosity (pu)	0
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