PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	**EnCana Oil & Gas (USA) Inc**
Well	**Francis Arens 6-4-15**
Field	**Wattenberg**
County	**Weld**
State/Province	**Colorado**

Location
SHL: 2045' FSL & 668' FEL
BHL: 2590' FSL & 1320' FEL
NE SE Sec. 15, Twp. 4N, Rge. 65W

Other Services
None

Elevation
K.B. 4708
D.F. 4707
G.L. 4693

Permanent Datum GL Elevation 4693
Log Measured From KB
Drilling Measured From KB

Date	February 3, 2008			
Run Number	1			
Depth Driller	7782			
Depth Logger	7775			
Bottom Logged Interval	7775			
Top Log Interval	Casing			
Casing Driller	558			
Casing Logger	558			
Bit Size	7-7/8"			
Type Fluid in Hole	Chem Gel			
Density / Viscosity	9.4 / 55			
pH / Fluid Loss	8.7 / 9.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	3.69 @ 74° F			
Rmf @ Meas. Temp	2.77 @ 74° F			
Rmc @ Meas. Temp	4.61 @ 74° F			
Source of Rmf / Rmc	Measure / Calc			
Rm @ BHT	1.11 @ 224° F			
Time Circulation Stopped	0200			
Time Logger on Bottom	1045			
Maximum Recorded Temperature	224° F			
Equipment Number	4400			
Location	Brighton, CO			
Recorded By	Eric Christensen			
Witnessed By	Steve Record			

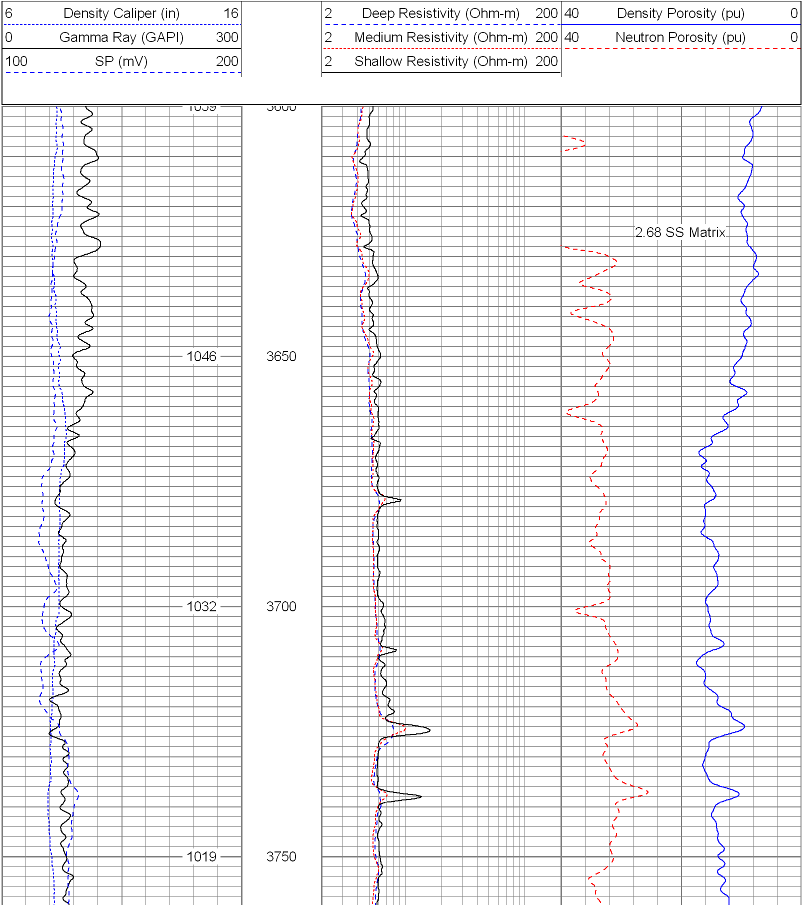
<<< Fold Here >>>

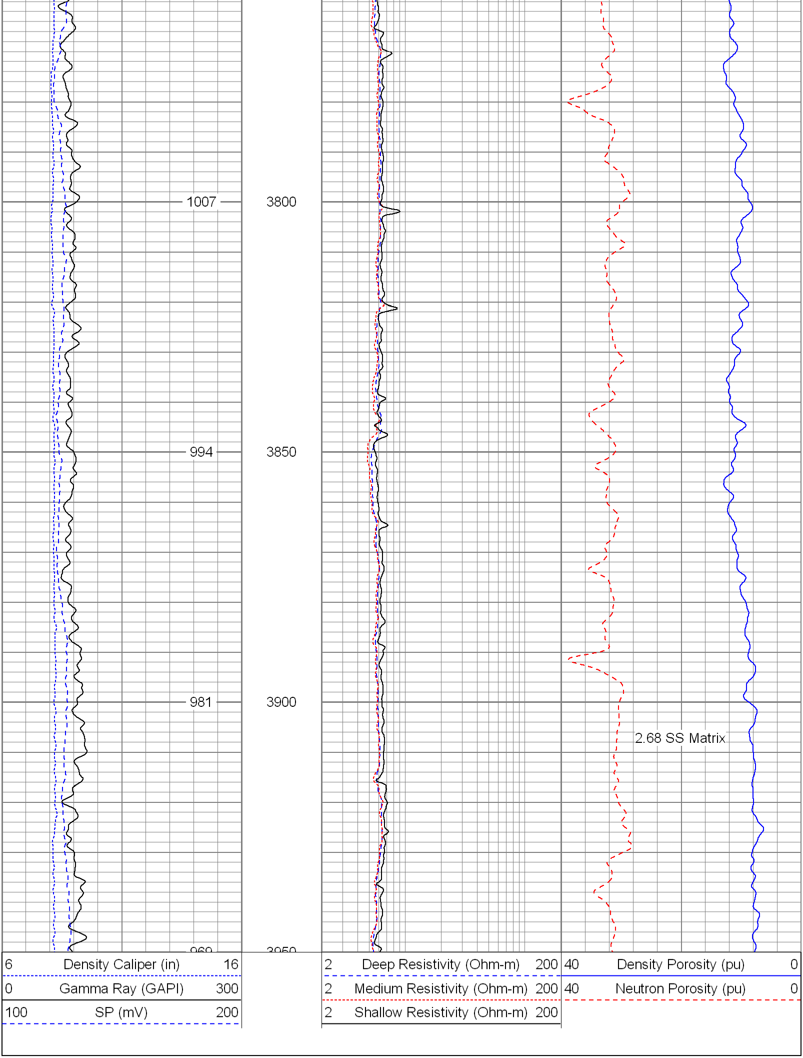
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

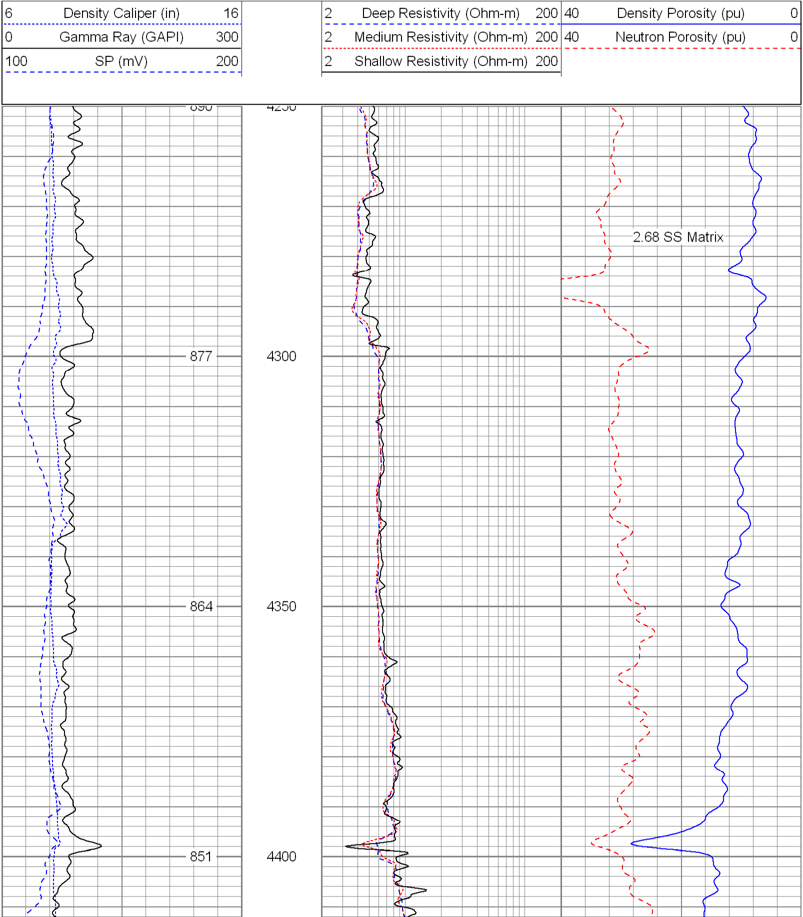
Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 22
Thank you for using Phoenix Surveys!!
API #: 05-123-24742-00

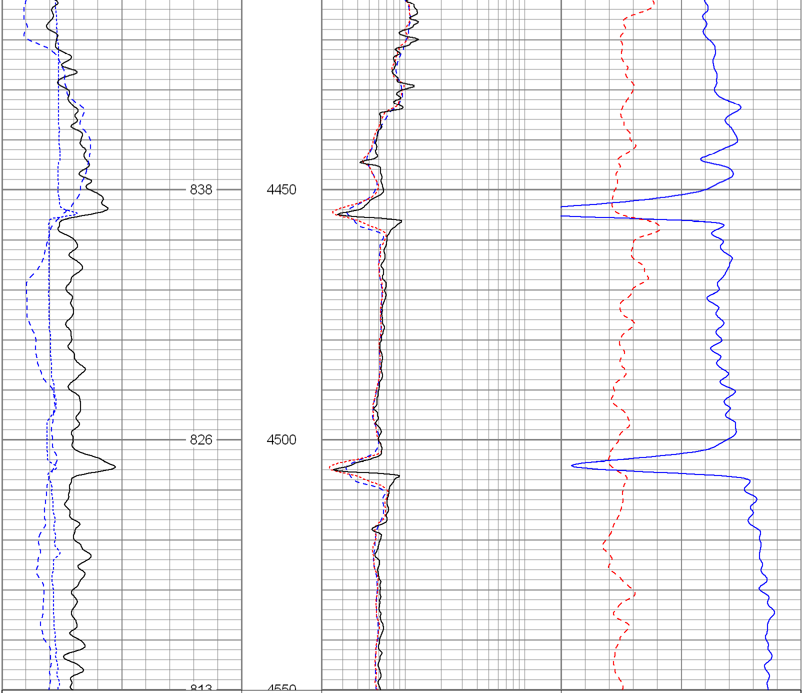
Database File: 8291.db
Dataset Pathname: pass3
Presentation Format: encana1
Dataset Creation: Sun Feb 03 10:59:13 2008 by Log Open-Cased 061129
Charted by: Depth in Feet scaled 1:240





Database File: 8291.db
Dataset Pathname: pass3
Presentation Format: encana1
Dataset Creation: Sun Feb 03 10:59:13 2008 by Log Open-Cased 061129
Charted by: Depth in Feet scaled 1:240





6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	300
100	SP (mV)	200

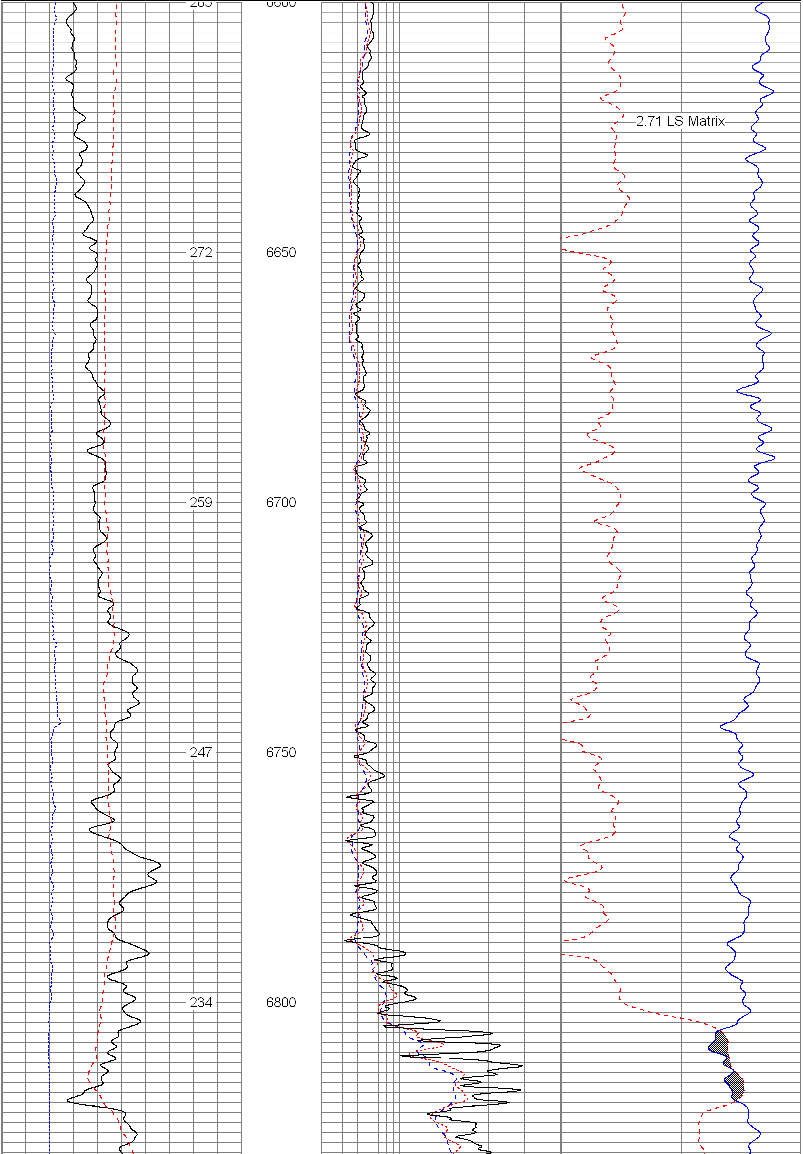
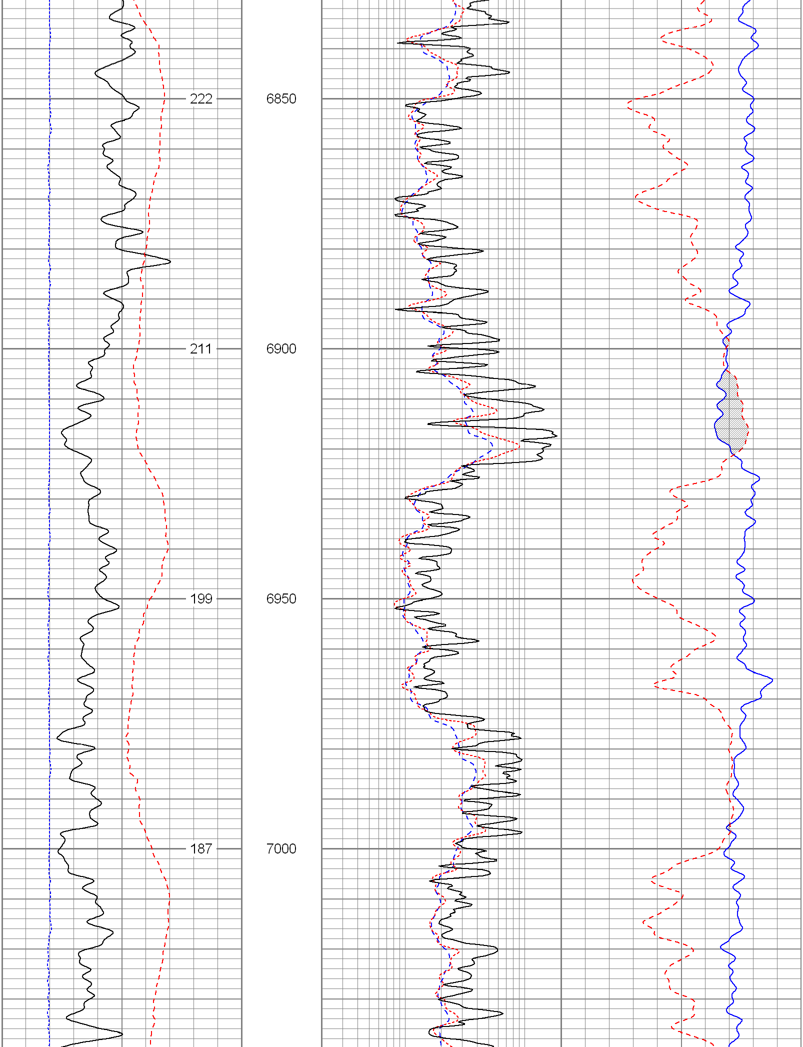
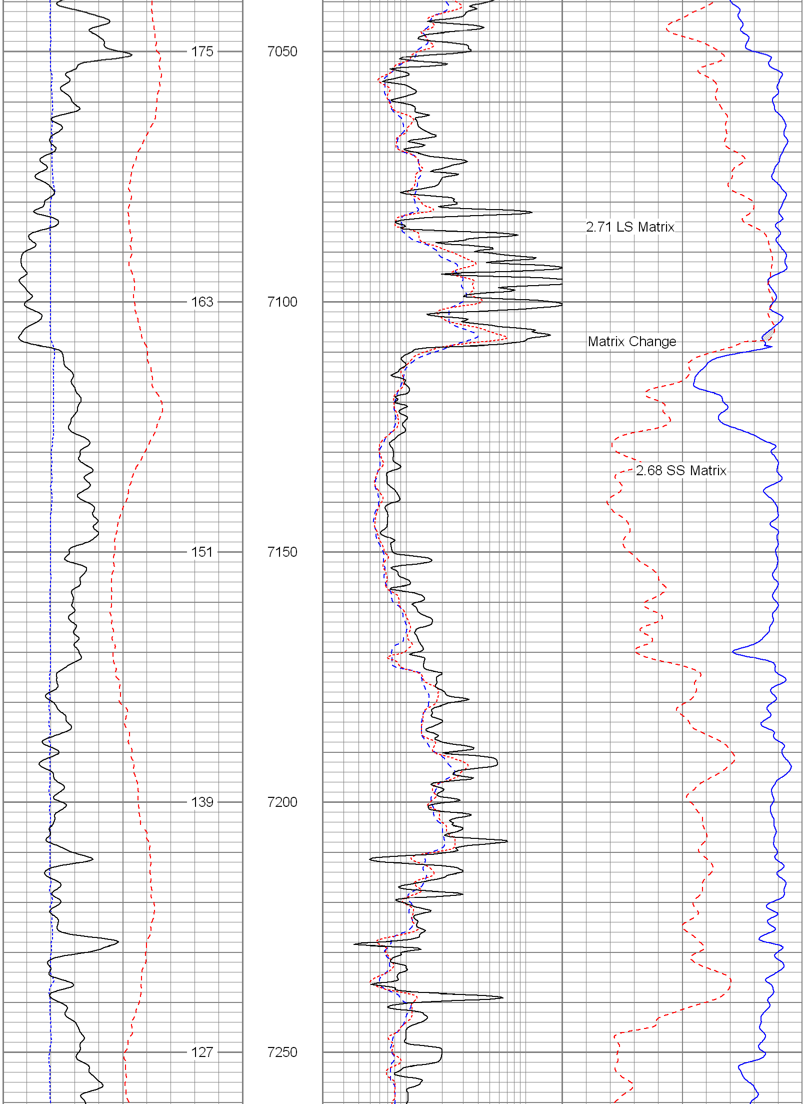
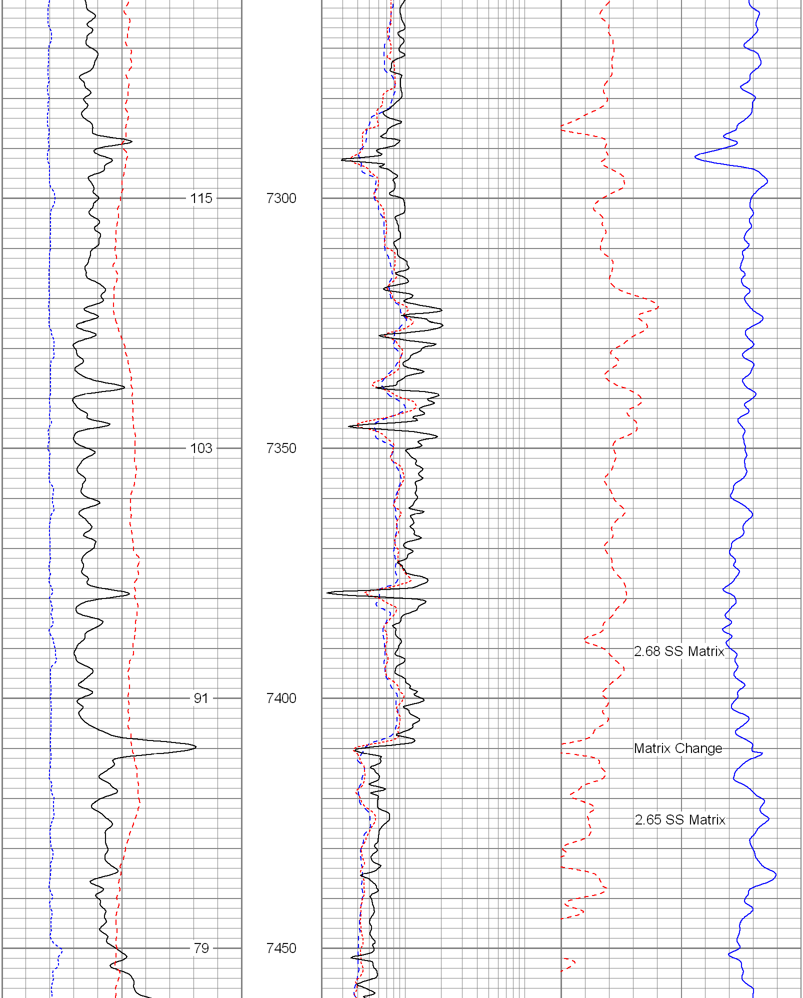
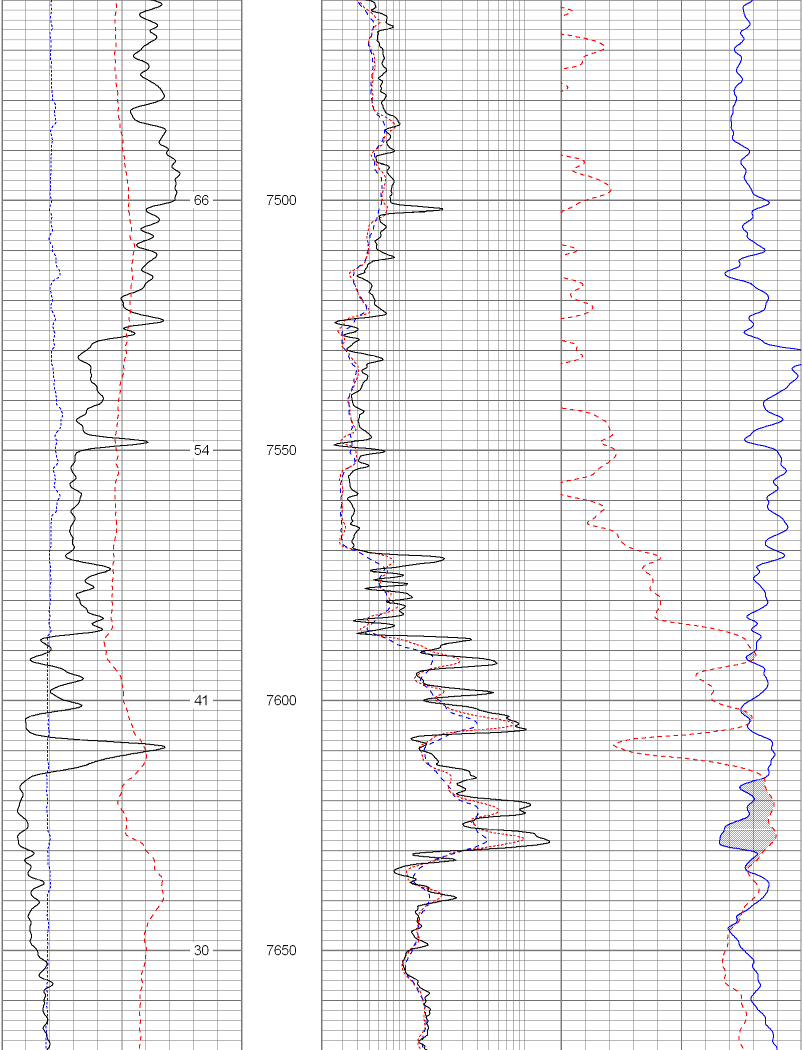
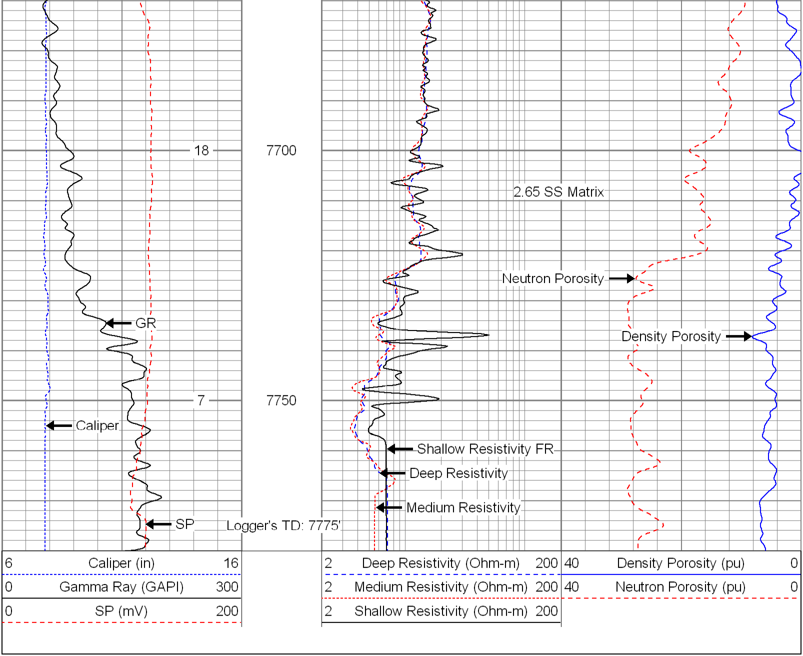
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

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

Database File:	8291.db
Dataset Pathname:	final
Presentation Format:	encana
Dataset Creation:	Sun Feb 03 11:34:31 2008
Charted by:	Depth in Feet scaled 1:240

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

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