Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company	EnCana Oil & Gas (USA) Inc
Well	North Rinn 14-9
Field	Wattenberg
County	Weld
State	Colorado

Company EnCana Oil & Gas (USA) Inc

Well North Rinn 14-9

Field Wattenberg

County Weld **State** Colorado

Location: API # : 05123338950000

SHL: 1110' FSL & 1133' FWL SWSW
BHL: 660' FSL & 660' FWL SWSW
SEC 9 TWP 2N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation	4866
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4879
D.F. 4879
G.L. 4866

Date	July 2, 2013		
Run Number	1		
Depth Driller	8045		
Depth Logger	8045		
Bottom Logged Interval	8045		
Top Log Interval	Casing		
Casing Driller	785		
Casing Logger	798		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 50		
pH / Fluid Loss	8.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.75 @ 65 F		
Rmf @ Meas. Temp	3.00 @ 65 F		
Rmc @ Meas. Temp	4.50 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.09 @ 223 F		
Time Circulation Stopped	0100		
Time Logger on Bottom	0745		
Maximum Recorded Temperature	223 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Scott Osborn		

<<< Fold Here >>>

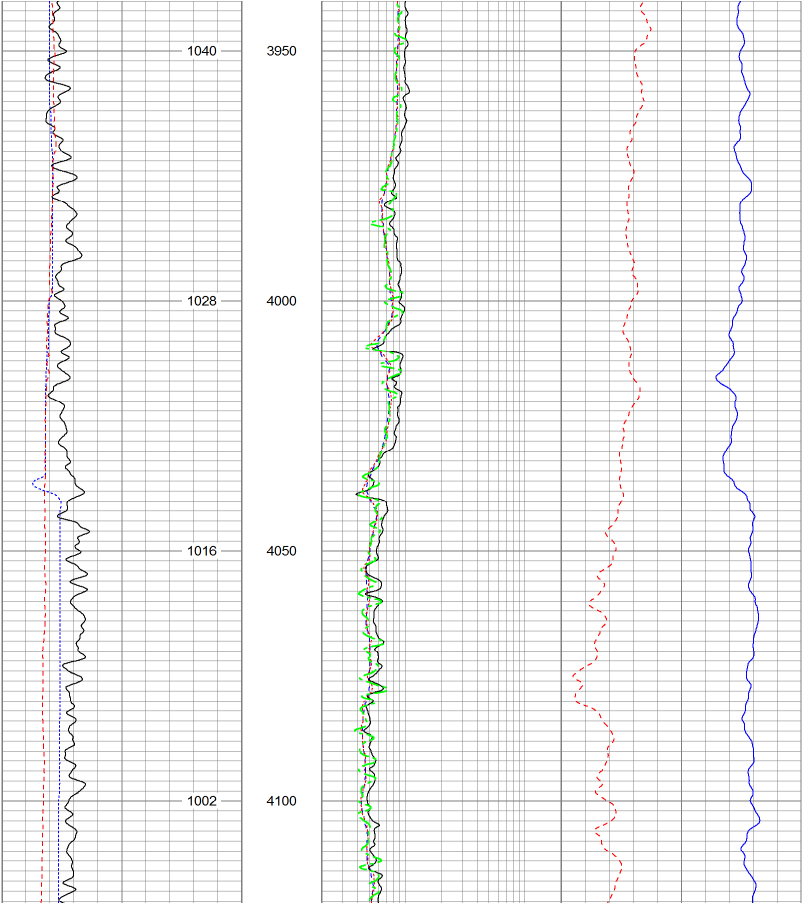
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

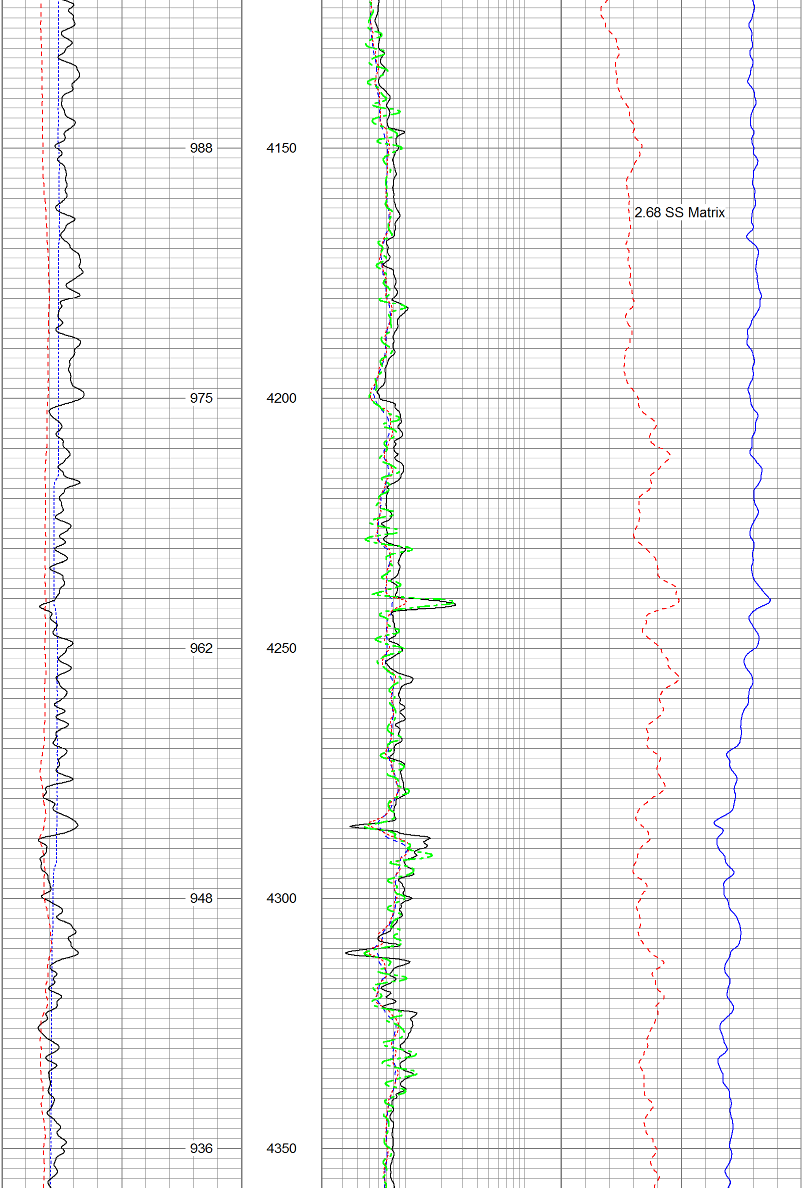
Comments

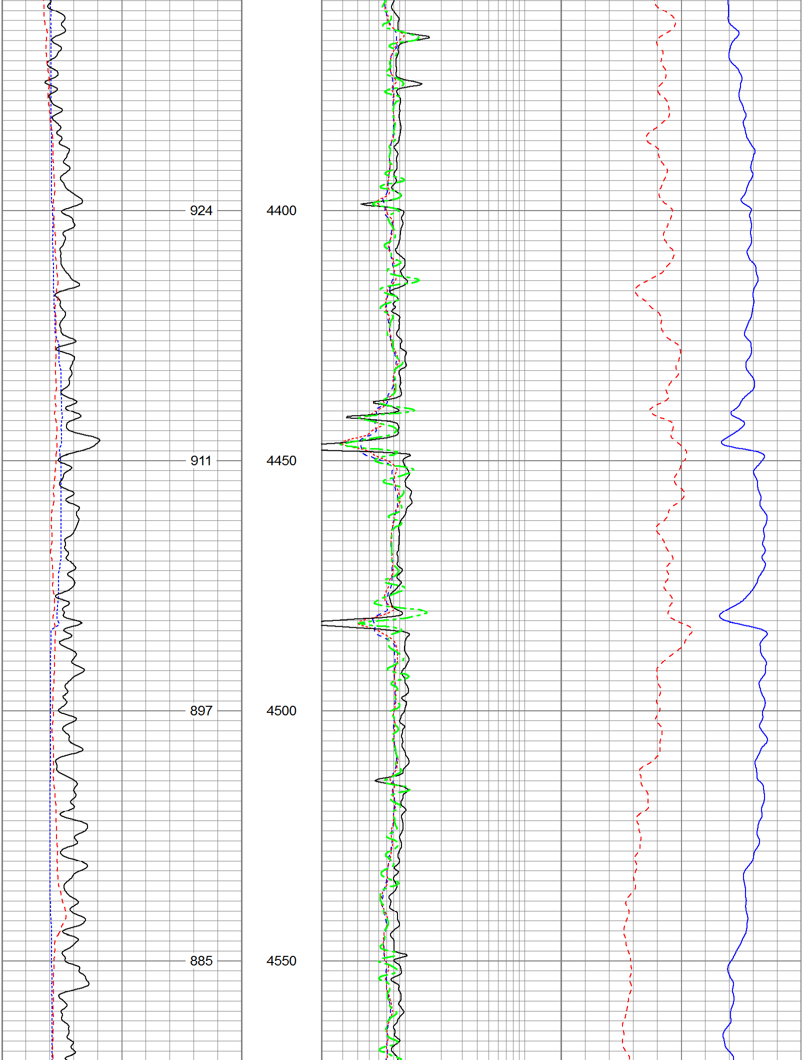
Annular volume calculated for 4-1/2" casing
Ensign Drilling Rig 122
Thank you for using Pioneer Energy Services.

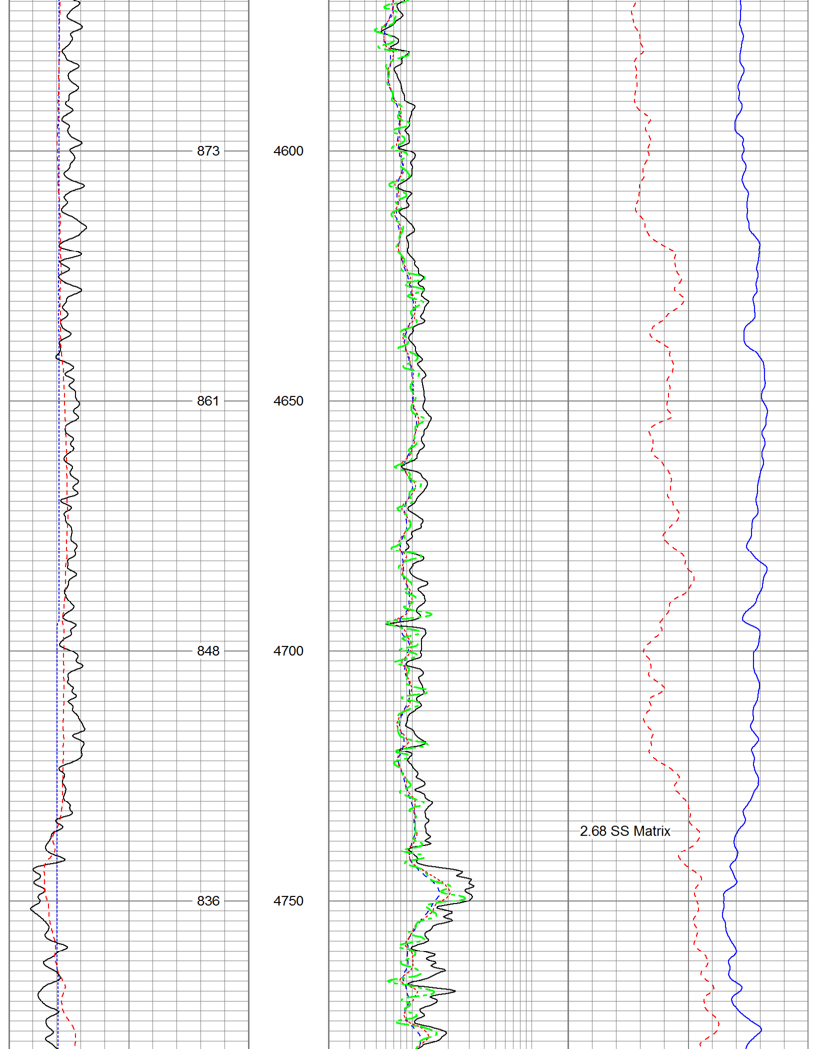
Database File:	12807.db
Dataset Pathname:	final
Presentation Format:	encana
Dataset Creation:	Tue Jul 02 08:31:44 2013
Charted by:	Depth in Feet scaled 1:240

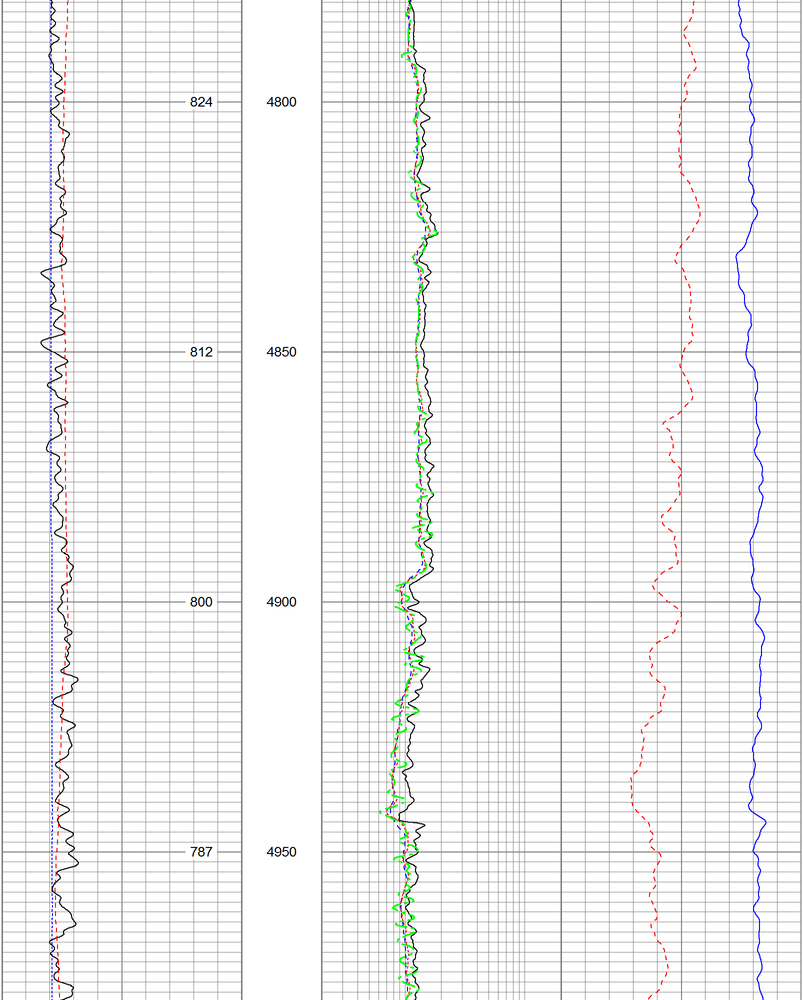
6	Caliper (in)	16		2	Deep Resistivity (Ohm-m)	200	40	Density Porosity (pu)	0
0	Gamma Ray (GAPI)	300		2	Medium Resistivity (Ohm-m)	200	40	Neutron Porosity (pu)	0
50	SP (mV)	250		2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)			2	Rt (Ohm-m)	200			

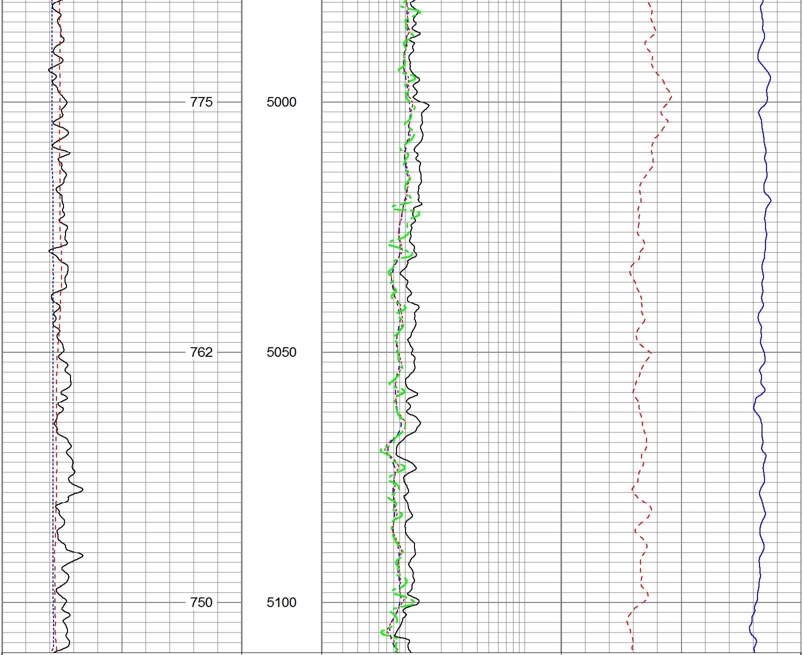












6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
50 SP (mV) 250
ABHV (ft3)

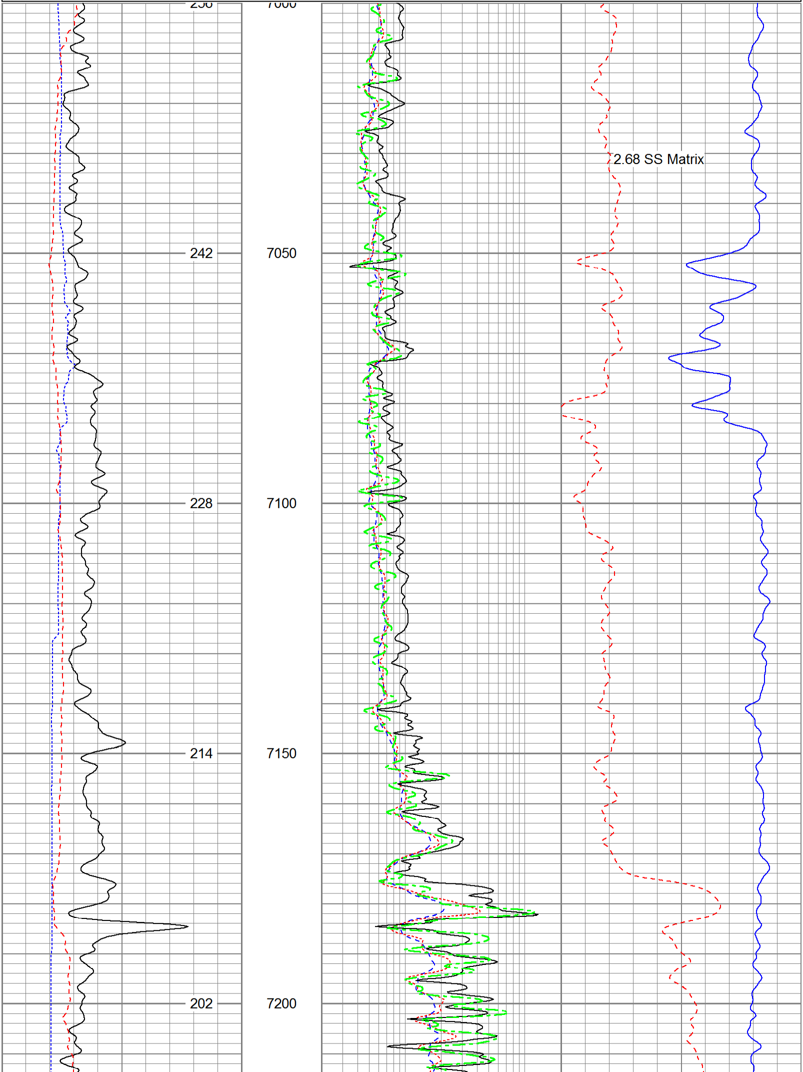
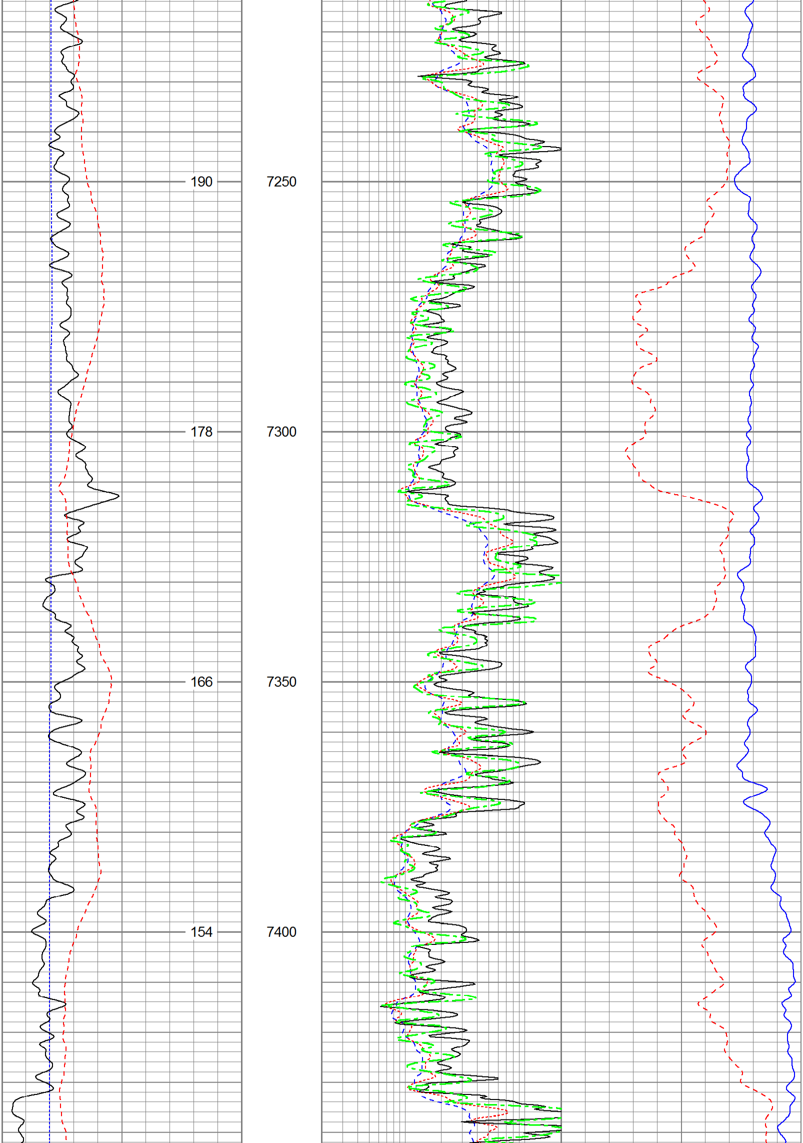
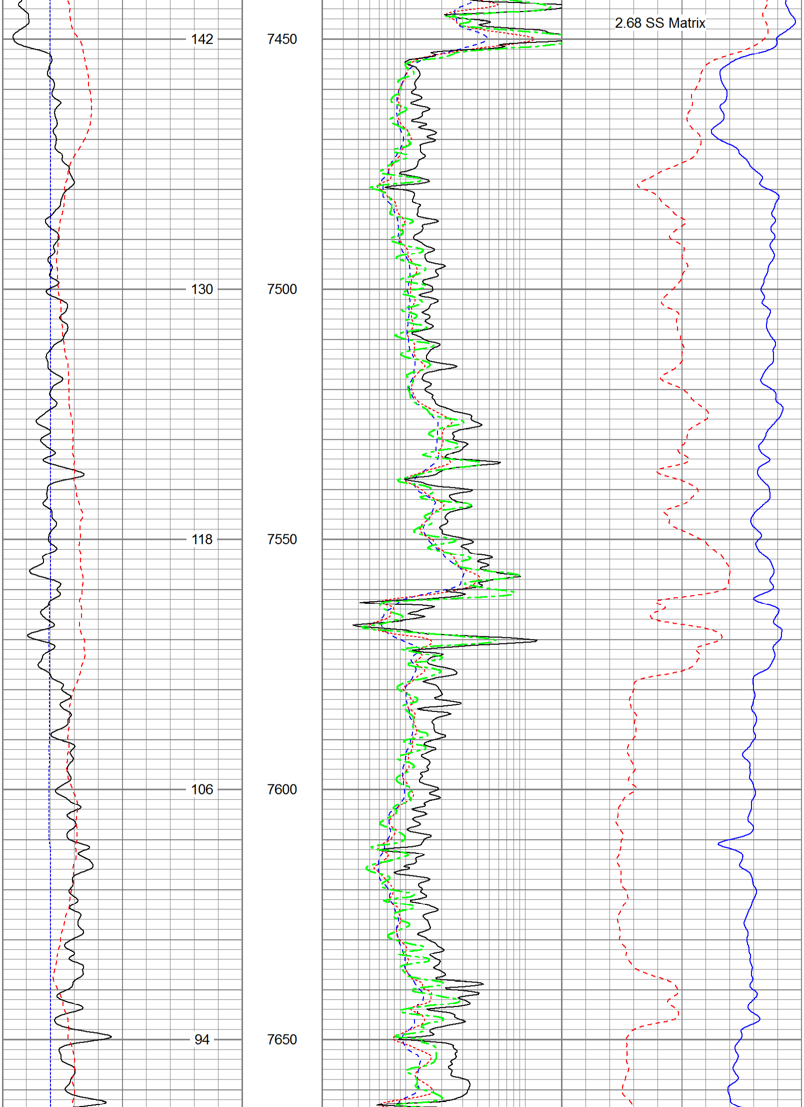
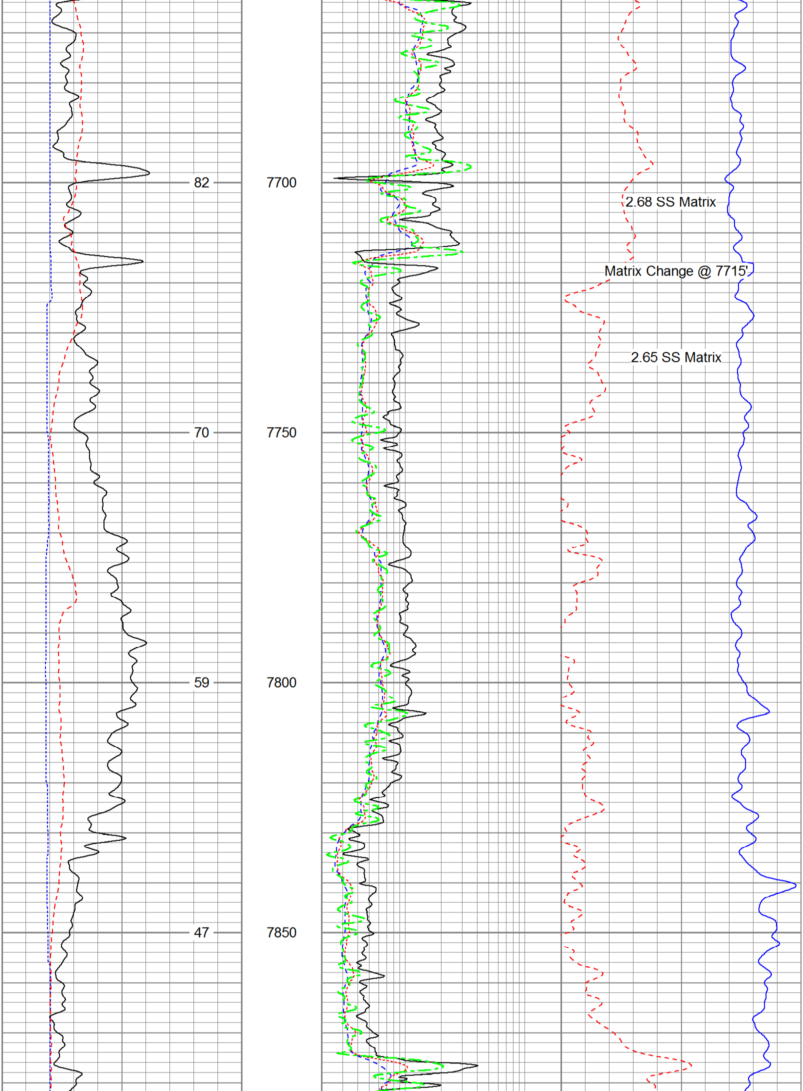
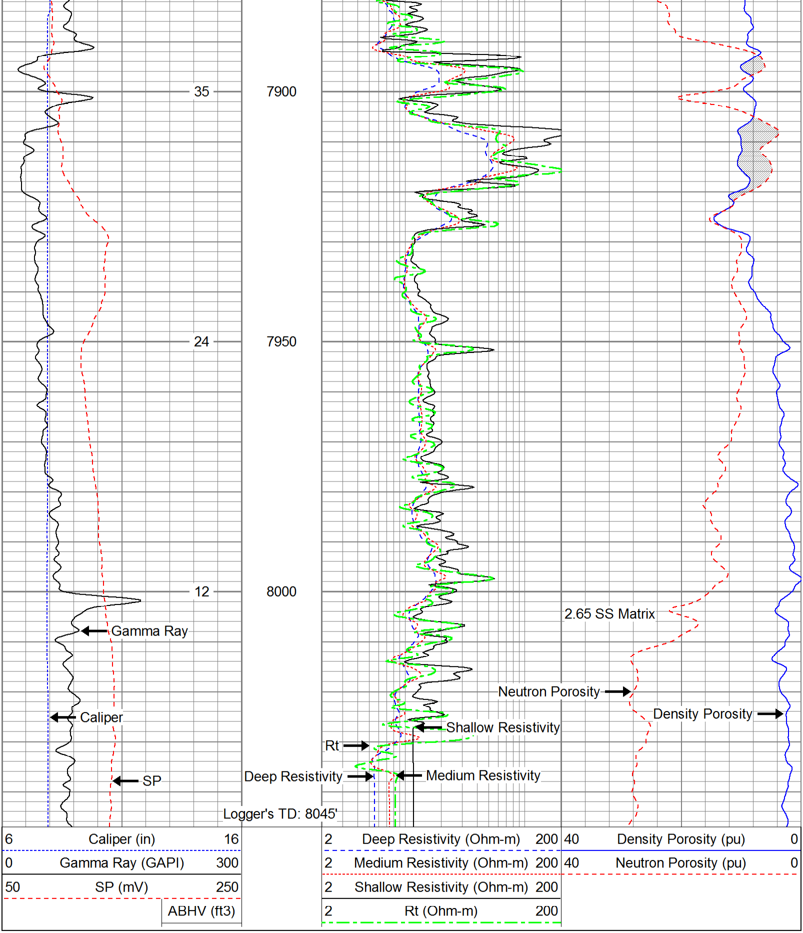
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

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

Database File:	12807.db
Dataset Pathname:	final
Presentation Format:	encana
Dataset Creation:	Tue Jul 02 08:31:44 2013
Charted by:	Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
50 SP (mV) 250
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