PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company **EnCana Oil & Gas (USA) Inc.**
Well **Rasmussen 2-8-19**
Field **Wattenberg**
County **Weld** State/Province **Colorado**

Location
SHL: 1000' FSL & 1034' FWL SW SW
BHL: 100' FSL & 1320' FWL SE SW
Sec 19, Twp 2N, Rge 68W

Other Services
None

Elevation
K.B. 5013
D.F. 5012
G.L. 5000

Permanent Datum GL Elevation 5000
Log Measured From KB
Drilling Measured From KB

Date	March 1, 2011		
Run Number	1		
Depth Driller	8241		
Depth Logger	8233		
Bottom Logged Interval	8233		
Top Log Interval	Casing		
Casing Driller	798		
Casing Logger	798		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.9 / 55		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.28 @ 71 F		
Rmf @ Meas. Temp	2.62 @ 71 F		
Rmc @ Meas. Temp	3.94 @ 71 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.02 @ 229 F		
Time Circulation Stopped	2130 2-29		
Time Logger on Bottom	0530		
Maximum Recorded Temperature	229 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Wes Harrison		

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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 122
Thank you for using Phoenix Surveys!!
API #: 05-123-32258-00

No repeat due to hole conditions.

Database File:	12627.db
Dataset Pathname:	final
Presentation Format:	encana1
Dataset Creation:	Thu Mar 01 05:57:57 2012
Charted by:	Depth in Feet scaled 1:240

6 Density Caliper (in) 16

0 Gamma Ray (GAPI) 300

100 SP (mV) 200

ABHV (ft3)

2 Deep Resistivity (Ohm-m) 200

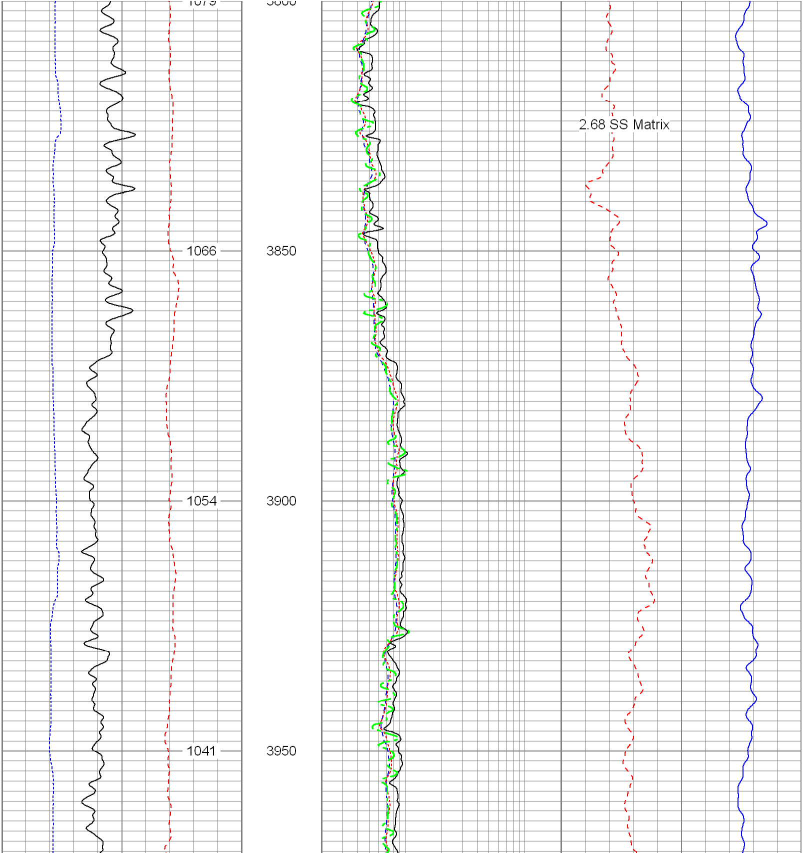
2 Medium Resistivity (Ohm-m) 200

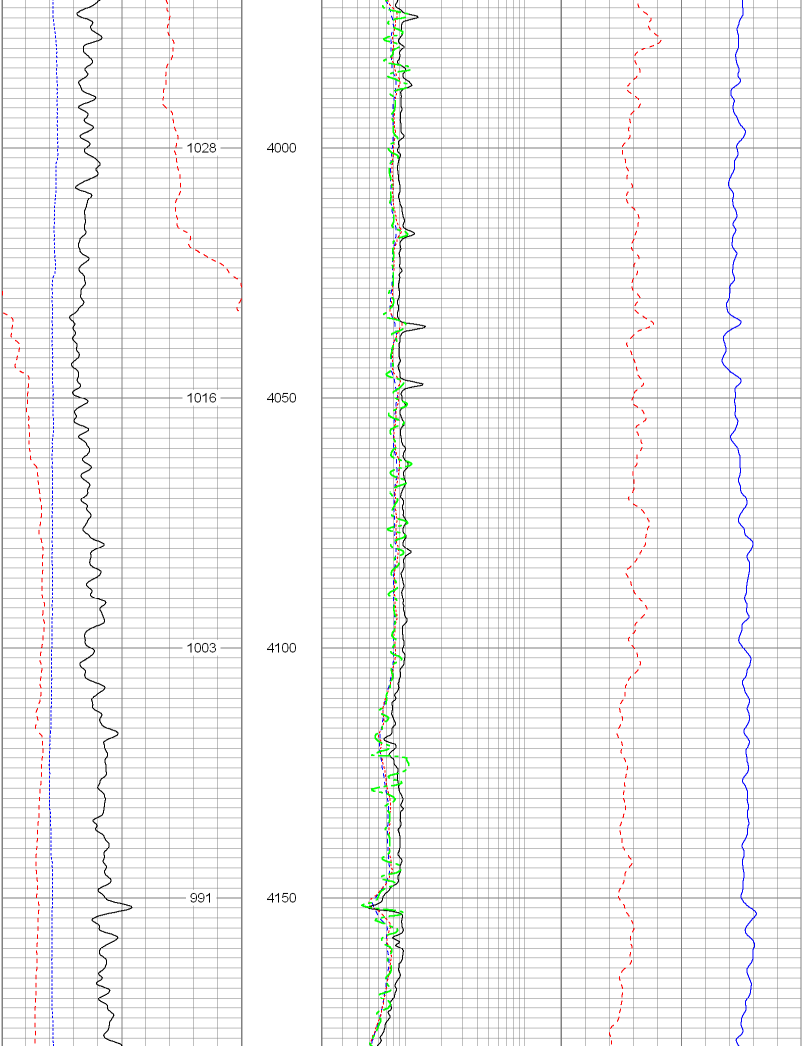
2 Shallow Resistivity (Ohm-m) 200

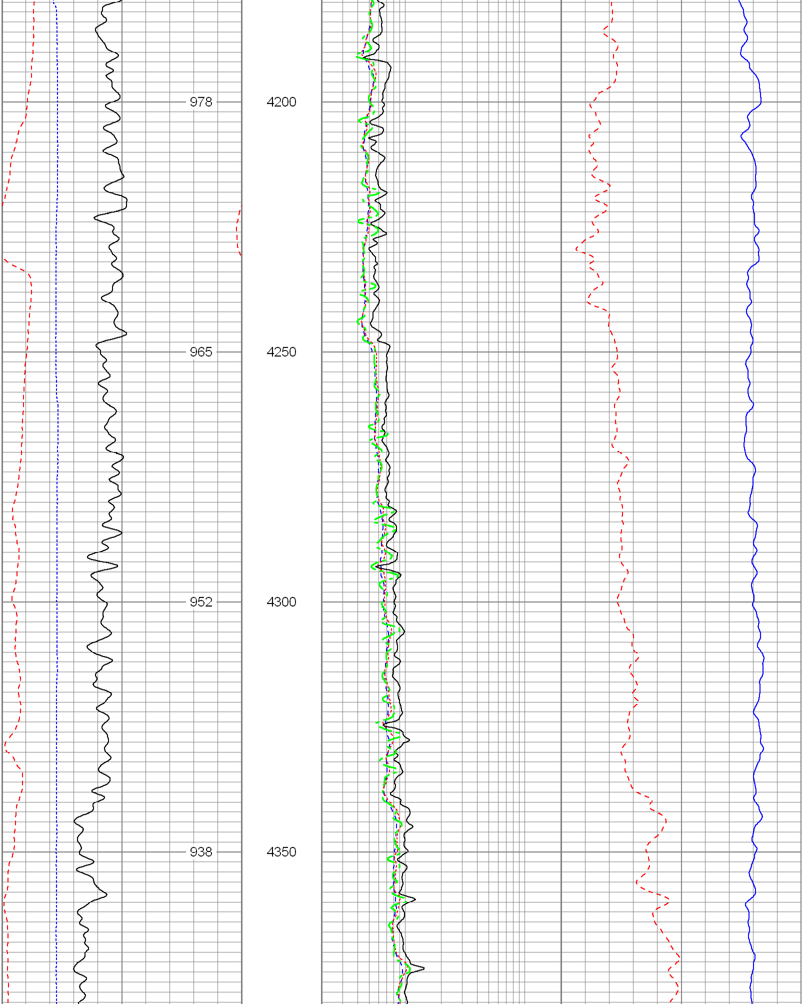
2 Rt (Ohm-m) 200

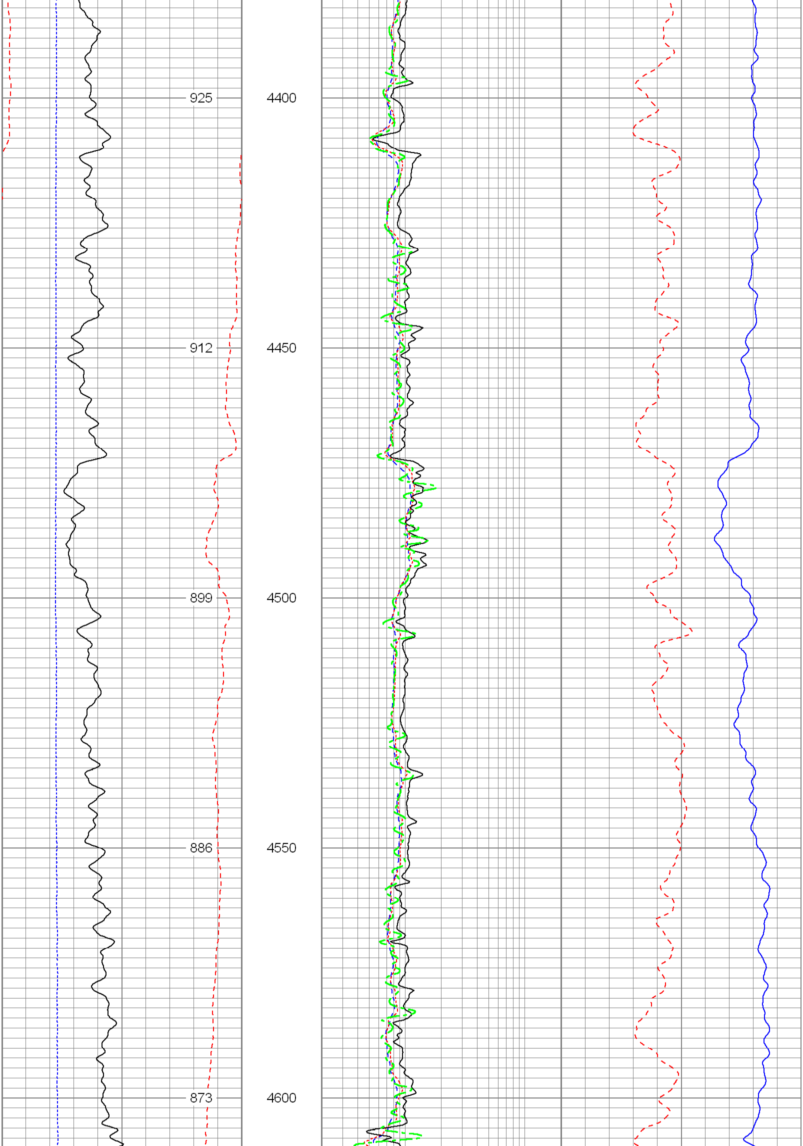
40 Density Porosity (pu) 0

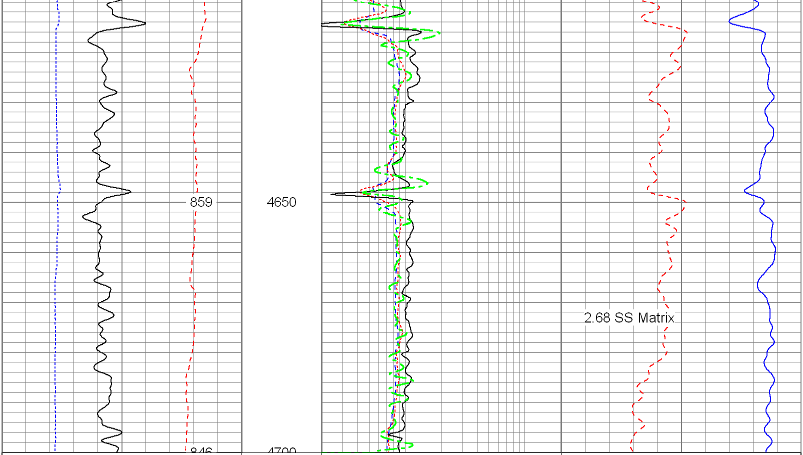
40 Neutron Porosity (pu) 0











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100 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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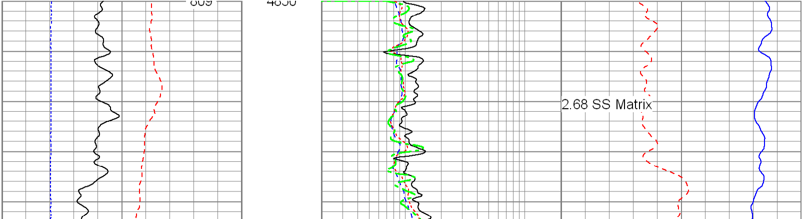

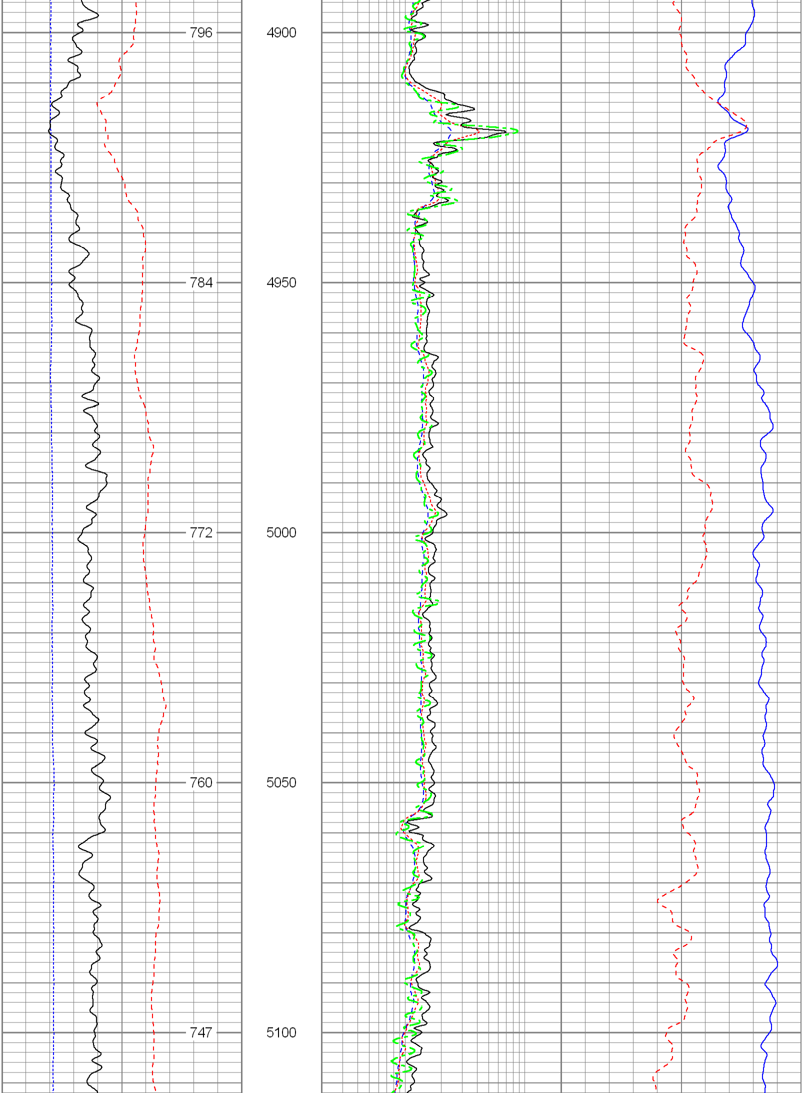

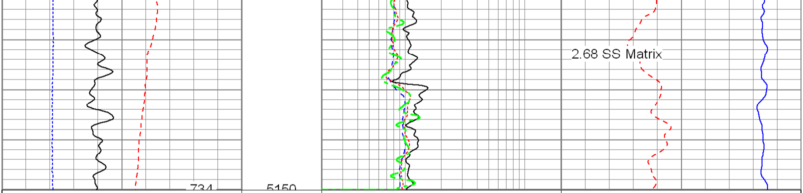

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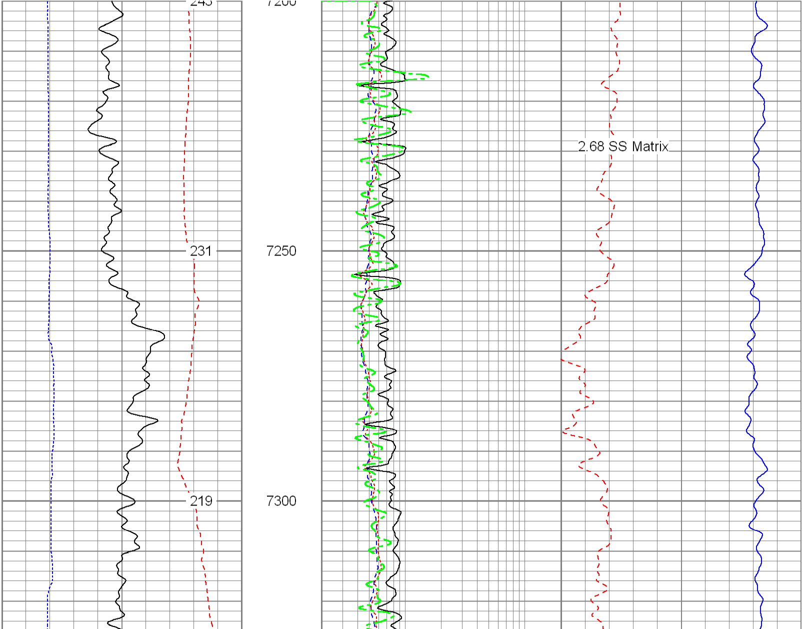
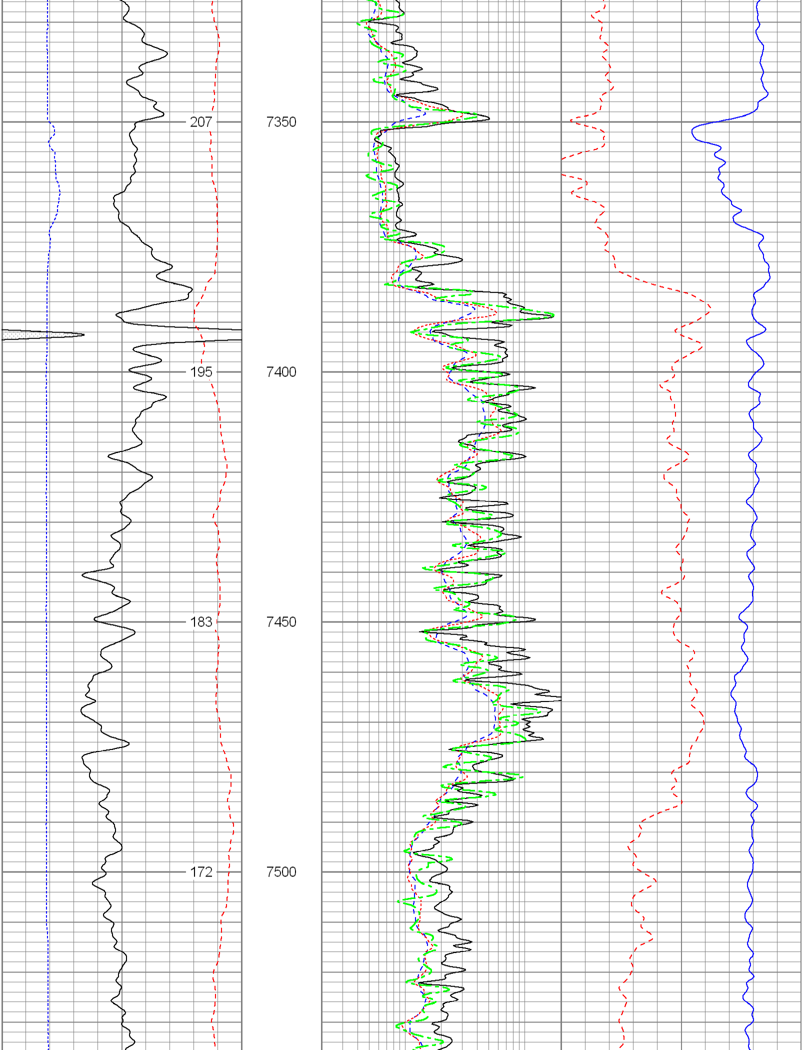
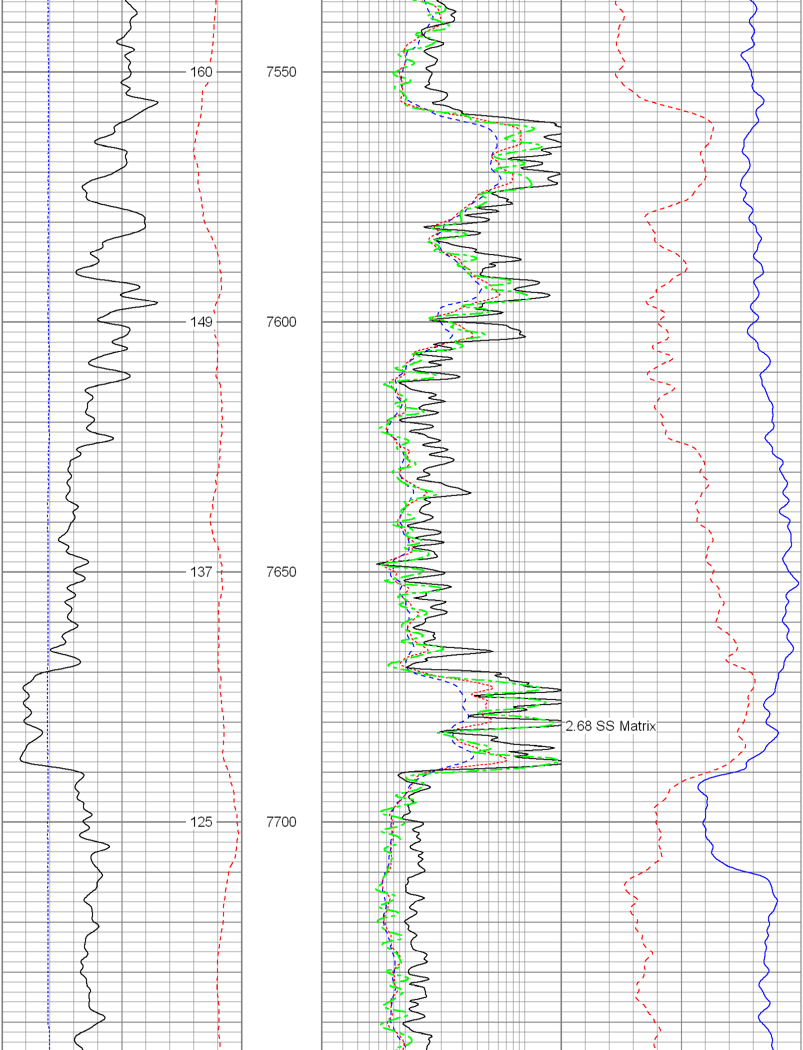
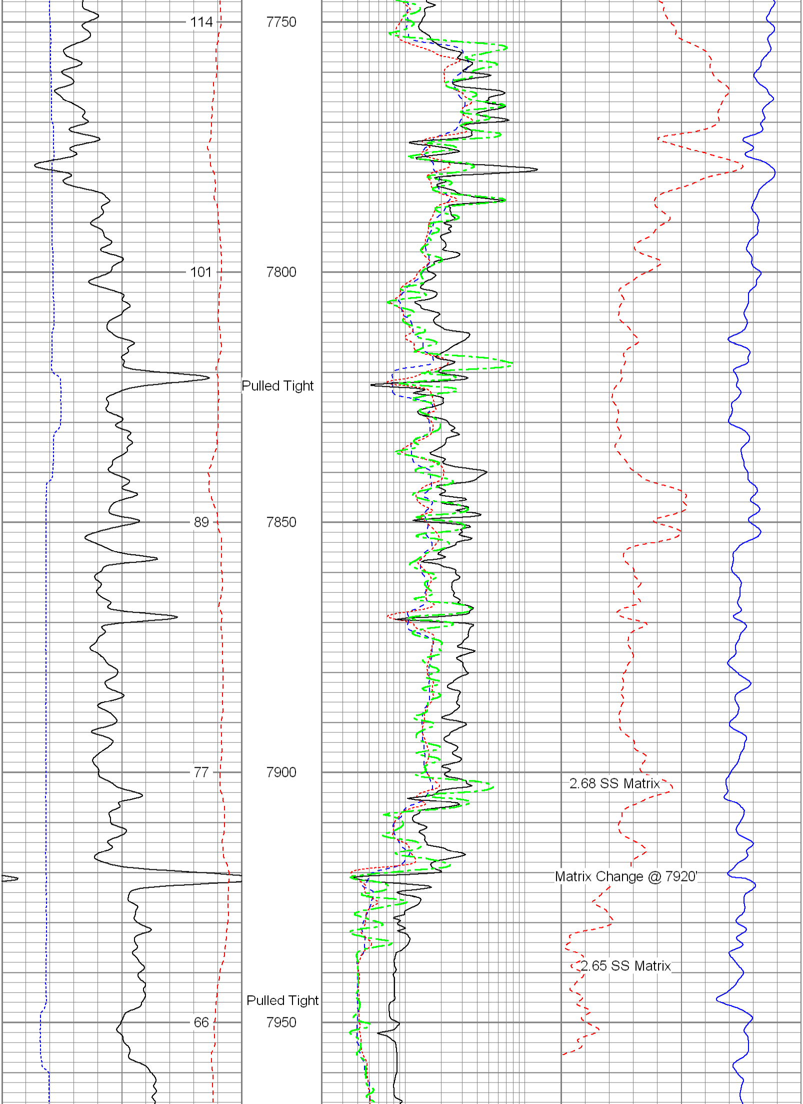






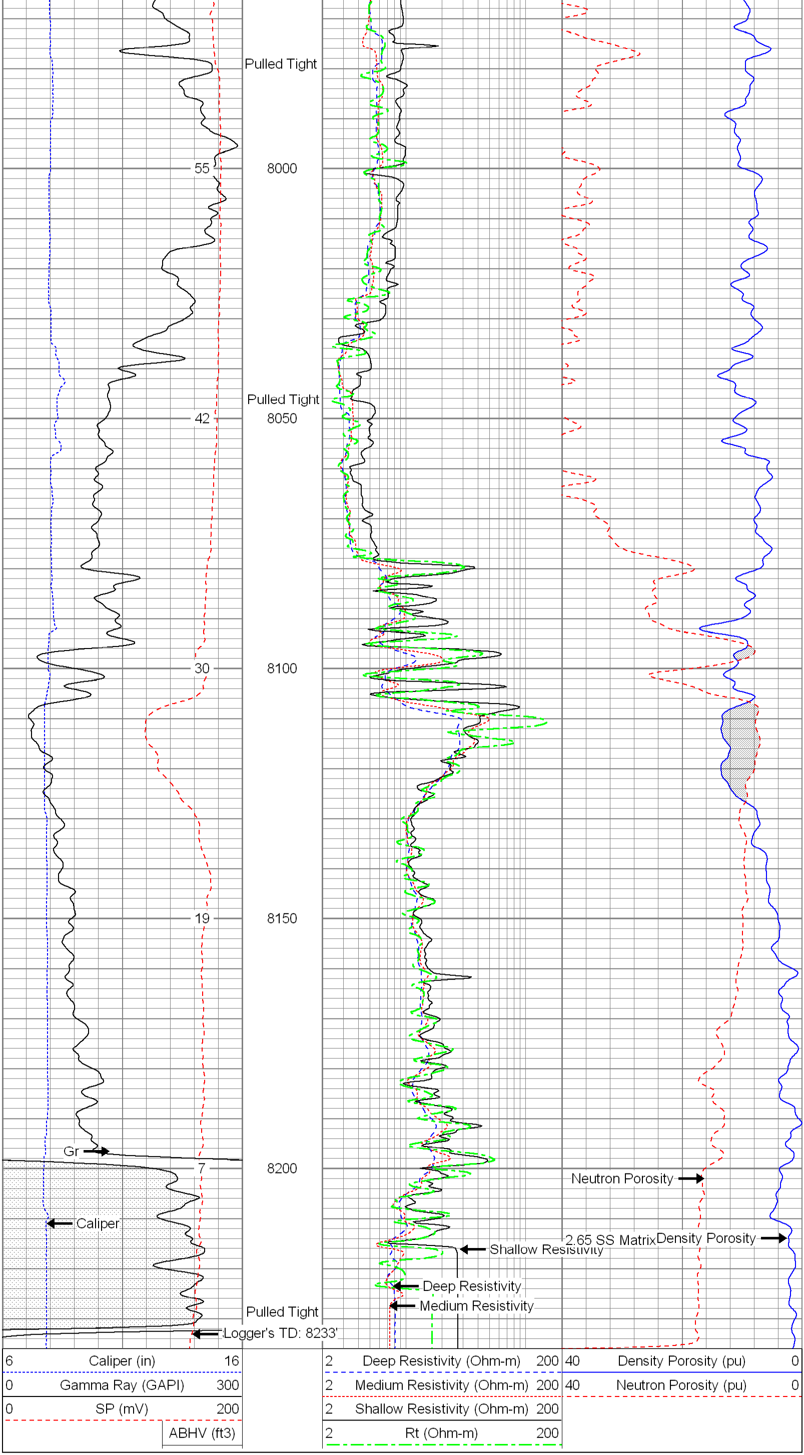


Pulled Tight

2.68 SS Matrix

Matrix Change @ 7920'

2.65 SS Matrix

Pulled Tight