PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company Encana Oil & Gas (USA) Inc.
Well Rasmussen 0-6-19
Field Wattenberg
County Weld **State/Province** Colorado

Location SHL 1001' FSL & 1004' FWL SWSW
BHL 1500' FSL & 50' FWL NWSW
Sec. 19, Twp. 2N, Rge. 68W

Other Services
None

Elevation
K.B. 5014
D.F. 5014
G.L. 5001

Permanent Datum GL Elevation 5001
Log Measured From KB
Drilling Measured From KB

Date	February 14, 2012		
Run Number	1		
Depth Driller	8243		
Depth Logger	8239		
Bottom Logged Interval	8239		
Top Log Interval	Surface		
Casing Driller	797		
Casing Logger	797		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 50		
pH / Fluid Loss	7.5 / 10.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.65 @ 62 F		
Rmf @ Meas. Temp	2.12 @ 62 F		
Rmc @ Meas. Temp	3.18 @ 62 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.71 @ 230 F		
Time Circulation Stopped	2200 2/13/2012		
Time Logger on Bottom	0430		
Maximum Recorded Temperature	230 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Wes Harrison		

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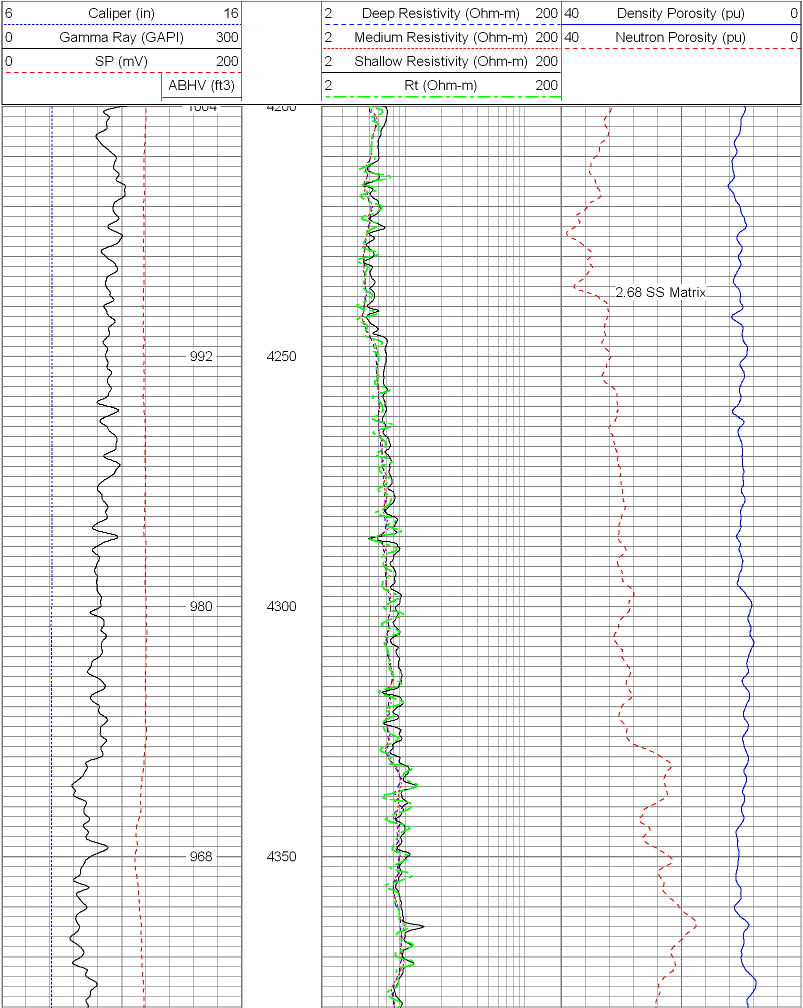
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

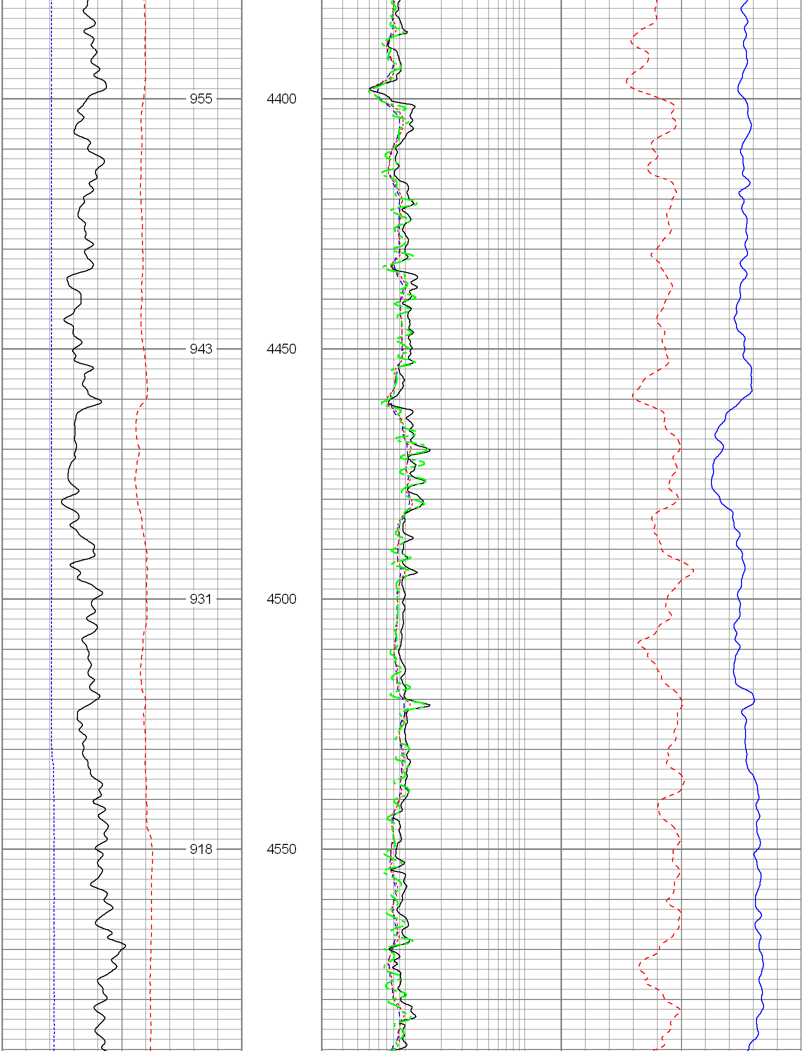
Comments

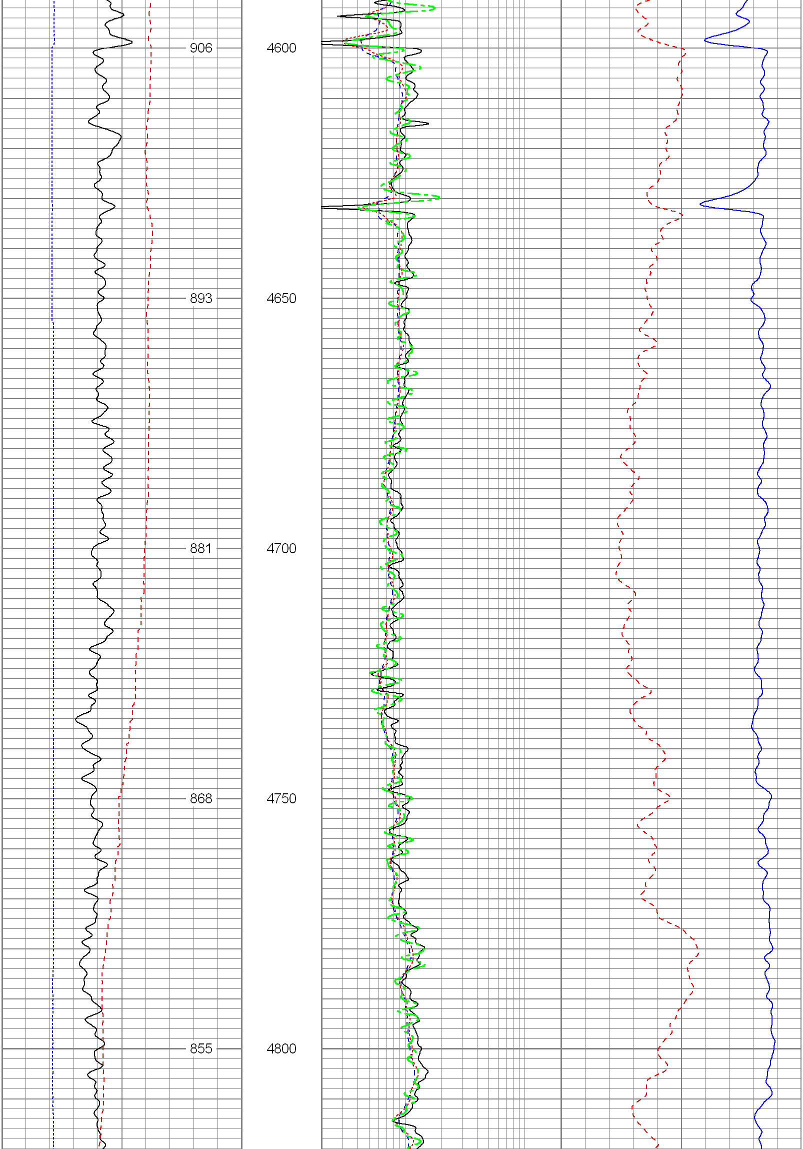
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 122
Thank you for using Phoenix Surveys!!
API #: 05-123-32249

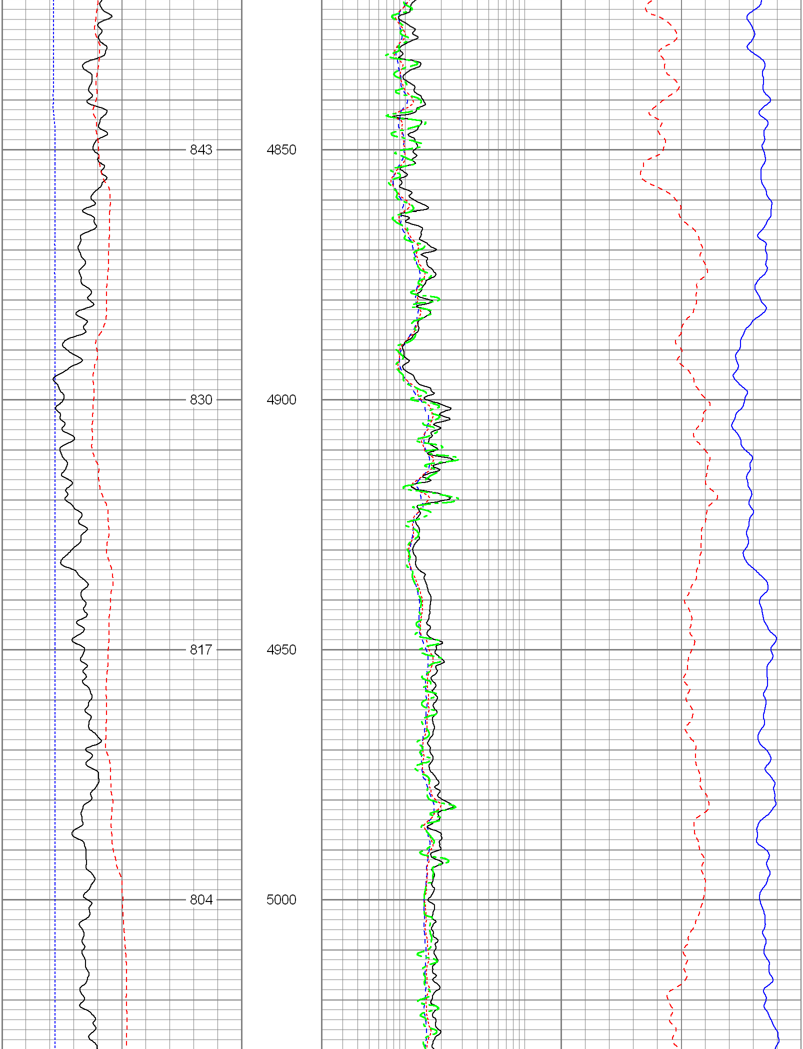
No repeat due to hole conditions!!

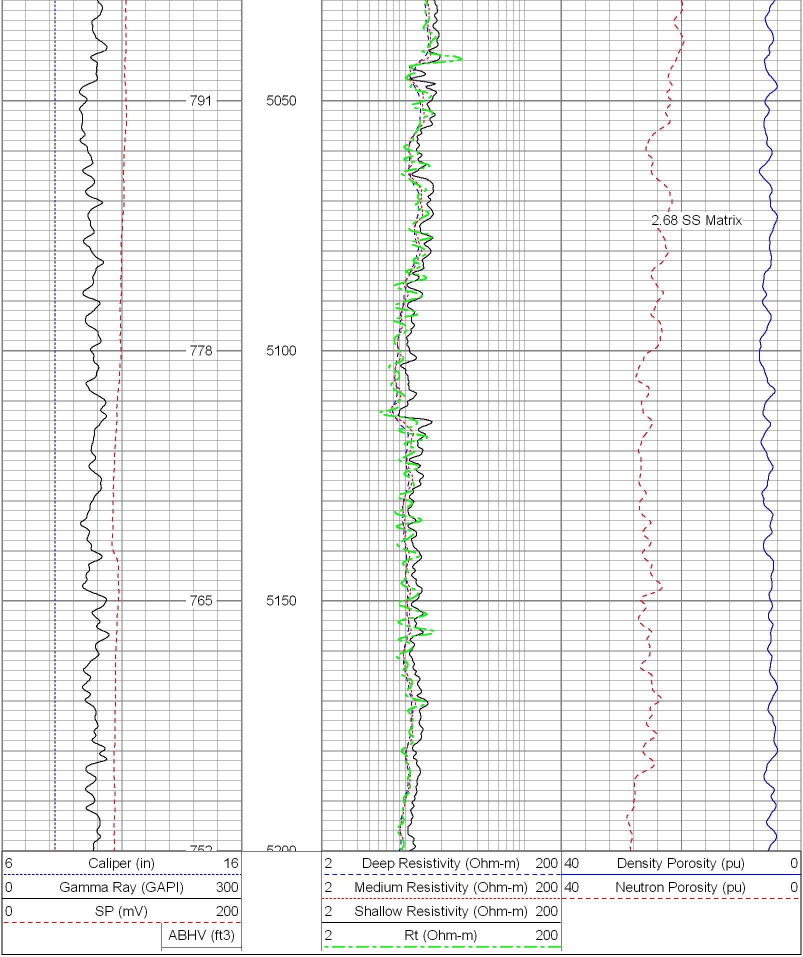
Database File:	12590.db
Dataset Pathname:	final
Presentation Format:	encana
Dataset Creation:	Tue Feb 14 06:03:36 2012
Charted by:	Depth in Feet scaled 1:240











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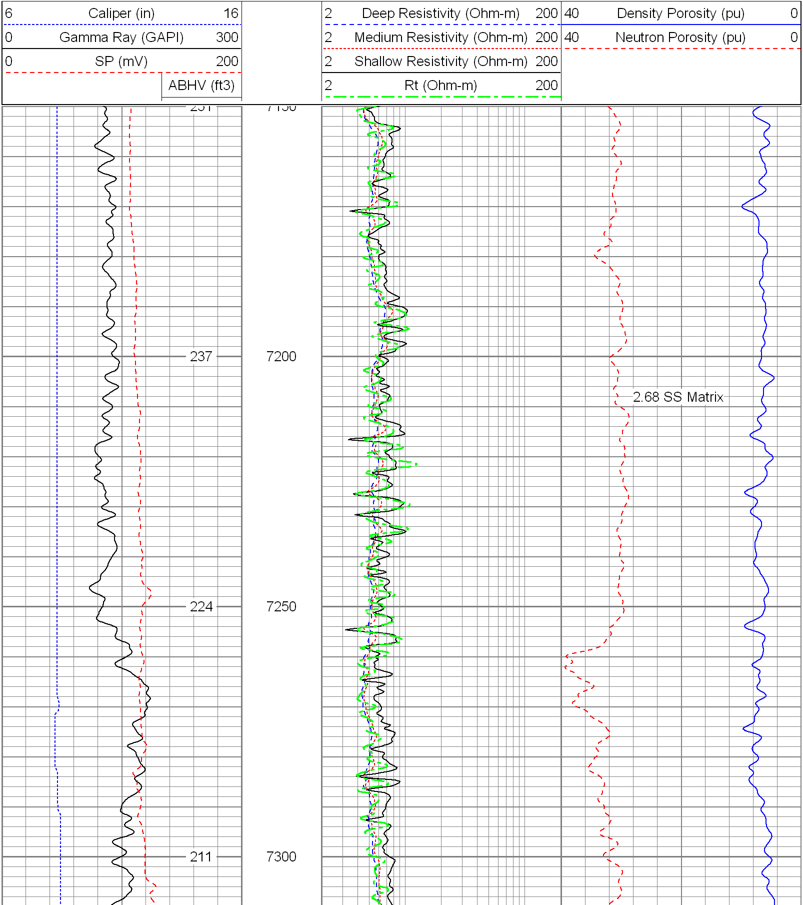
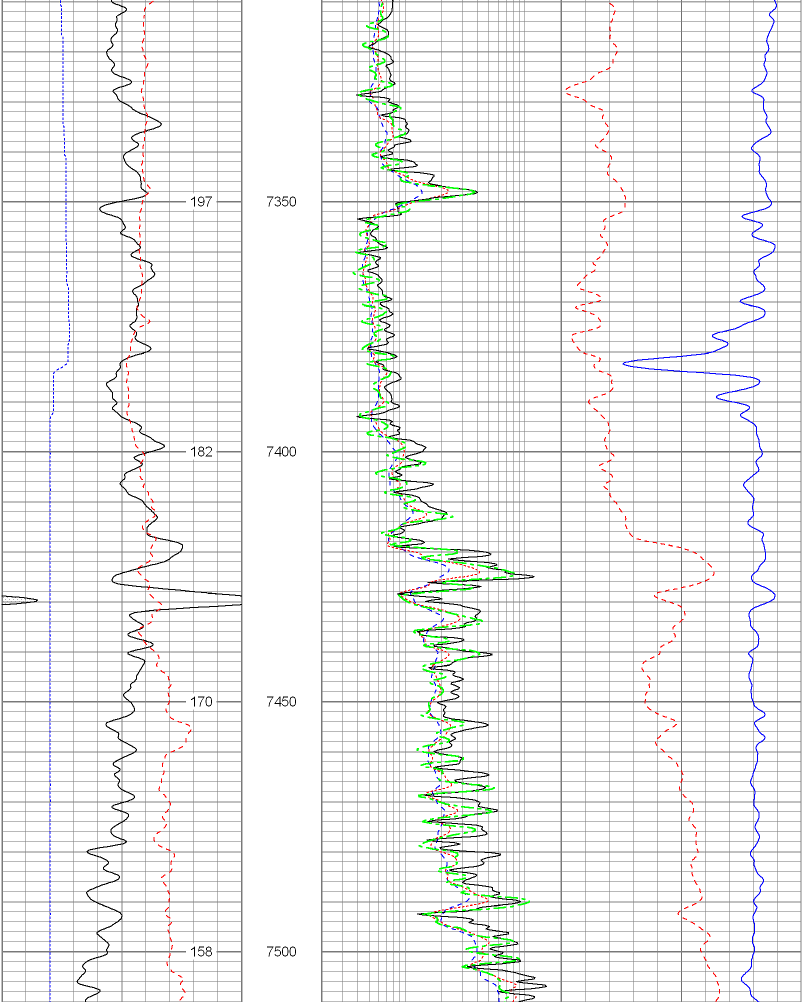
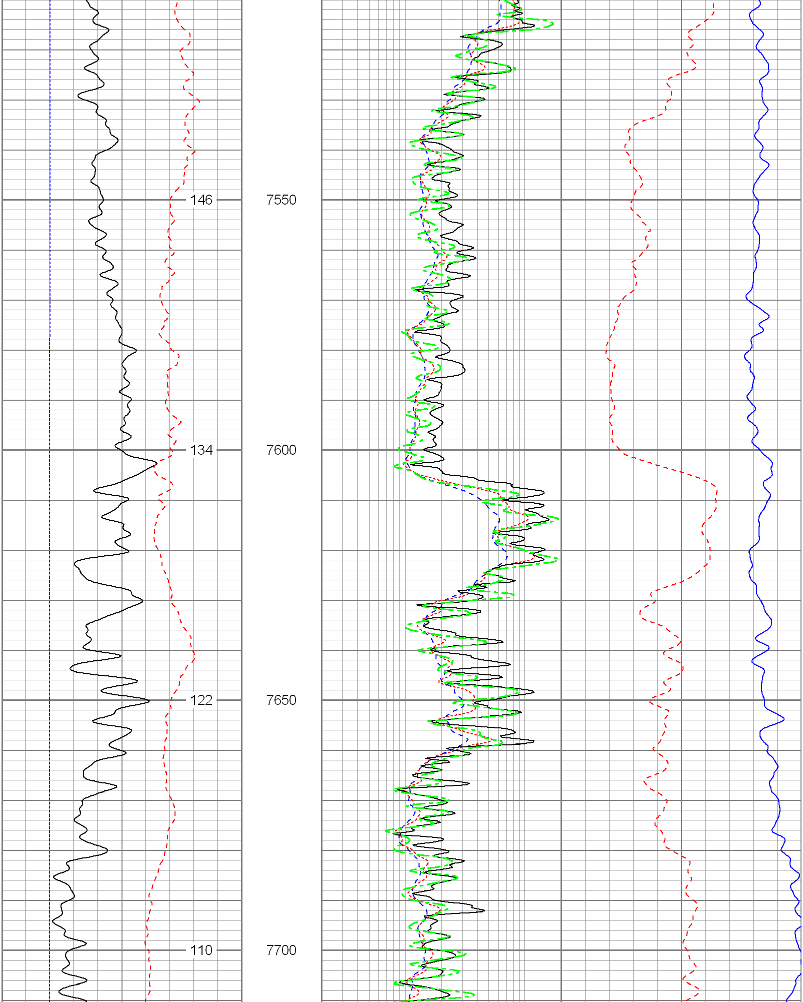
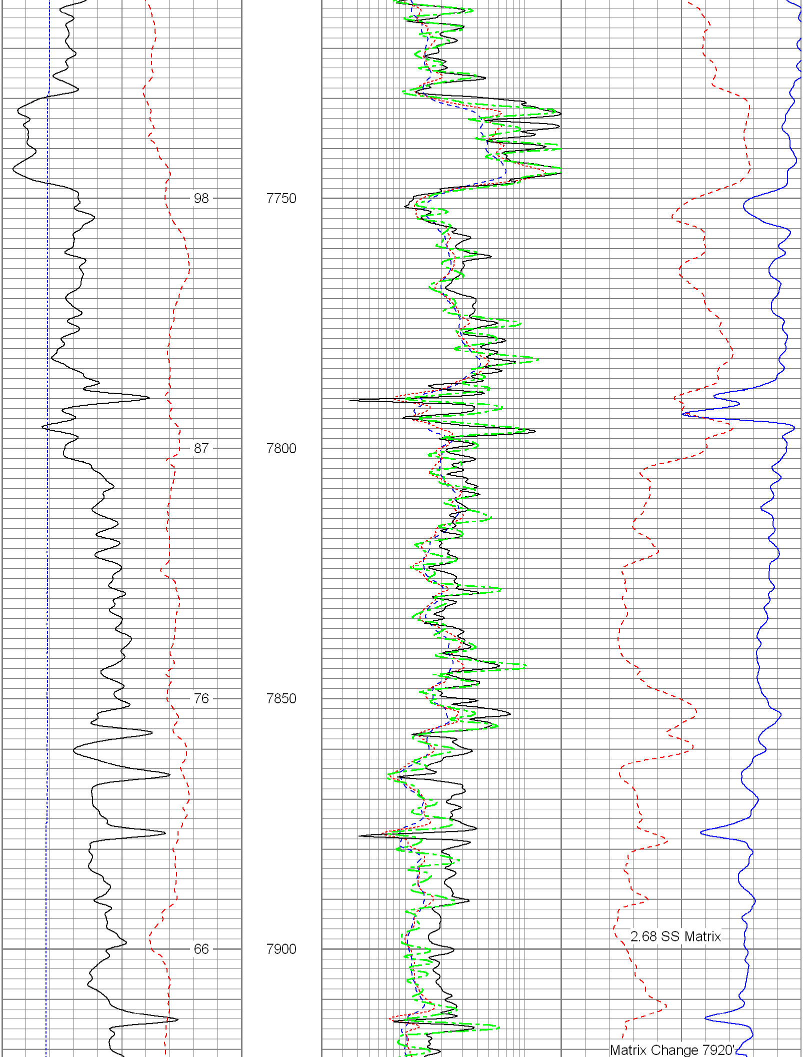
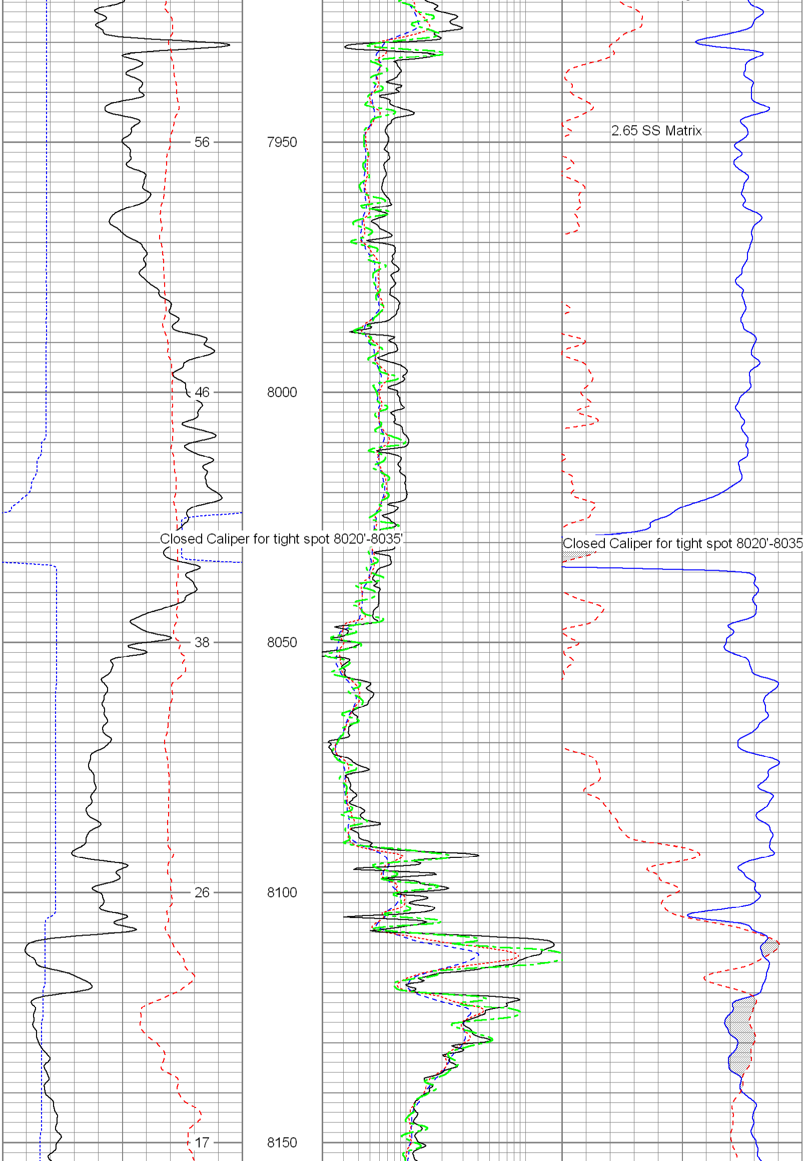
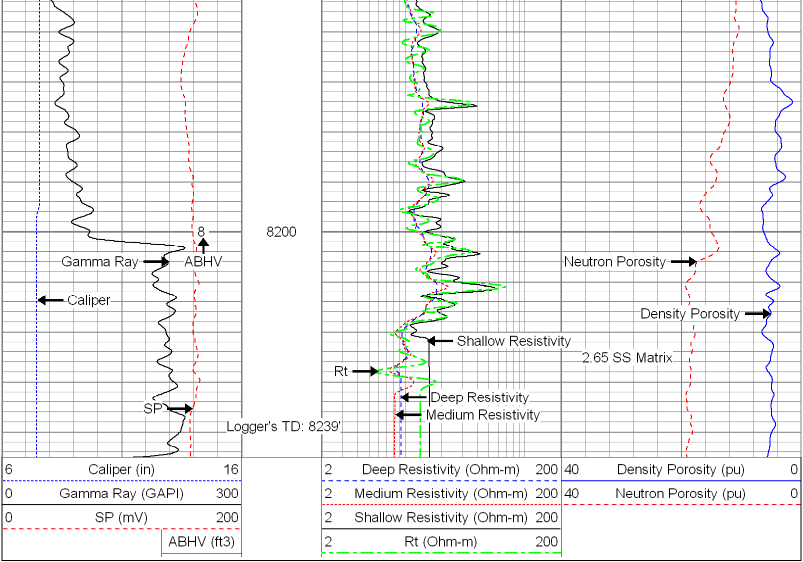

6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0
237
7200
2.68 SS Matrix
224
7250
211
7300








56
7950
2.65 SS Matrix
46
8000
Closed Caliper for tight spot 8020'-8035'
Closed Caliper for tight spot 8020'-8035
38
8050
26
8100
17
8150