PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company EnCana Oil & Gas (USA) Inc.
Well Helen 33-23
Field Wattenberg
County Broomfield **State/Province** Colorado

Location
1980' FSL & 2130' FEL
NWSE
Sec 23, Twp 1N, Rge 68W

Other Services
None

Elevation
K.B. 5157
D.F. 5156
G.L. 5142

Permanent Datum	GL	Elevation	5142
Log Measured From	KB		
Drilling Measured From	KB		

Date	September 23, 2008		
Run Number	1		
Depth Driller	8504		
Depth Logger	8500		
Bottom Logged Interval	8500		
Top Log Interval	Casing		
Casing Driller	804		
Casing Logger	804		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 55		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.46 @ 65° F		
Rmf @ Meas. Temp	2.80 @ 65° F		
Rmc @ Meas. Temp	3.75 @ 65° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.00 @ 224° F		
Time Circulation Stopped	0100		
Time Logger on Bottom	0800		
Maximum Recorded Temperature	224° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Shaun Schuman		
Witnessed By	Ed Pilcher		

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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

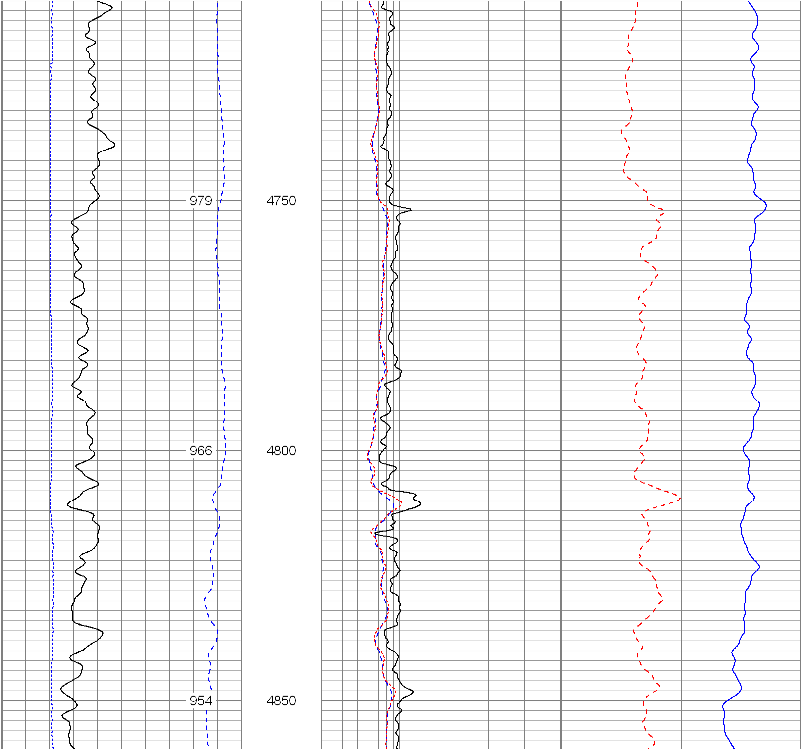
Annular volume calculated for 4.5" casing
Patterson Drilling Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-014-20649-00

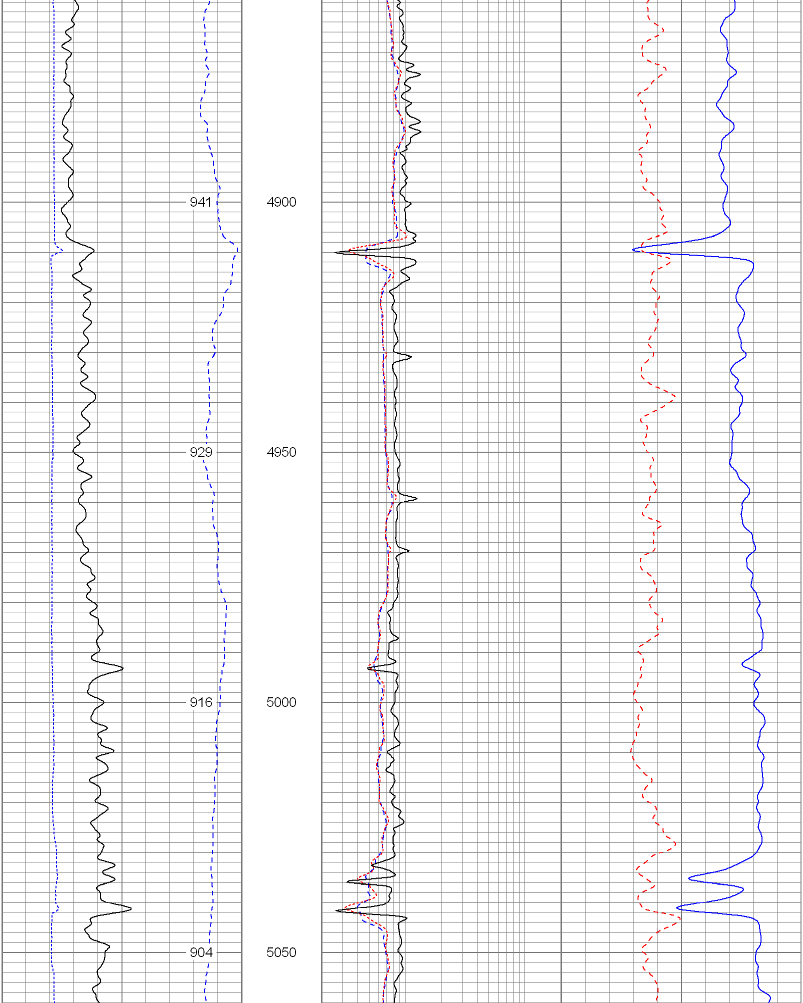
Database File:	9125.db
Dataset Pathname:	main
Presentation Format:	encana1
Dataset Creation:	Tue Sep 23 09:40:12 2008
Charted by:	Depth in Feet scaled 1:240

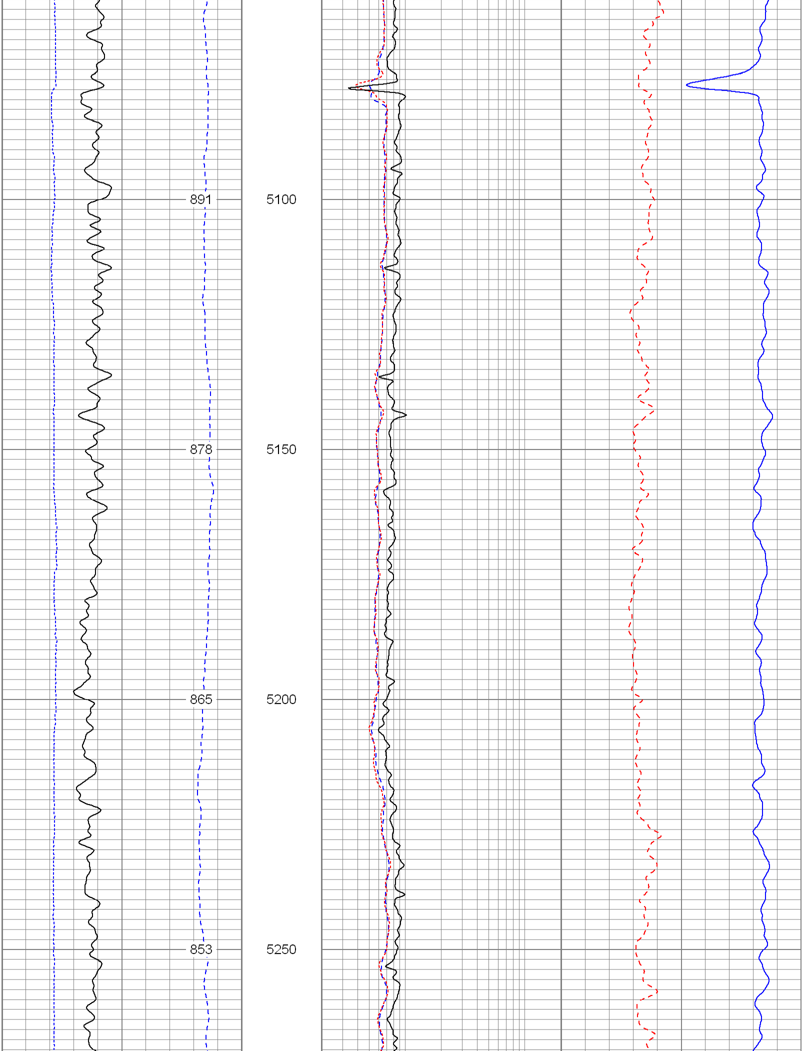
6 Density Caliper (in) 16
0 Gamma Ray (GAPI) 300
50 SP (mV) 150
ABHV (ft3)

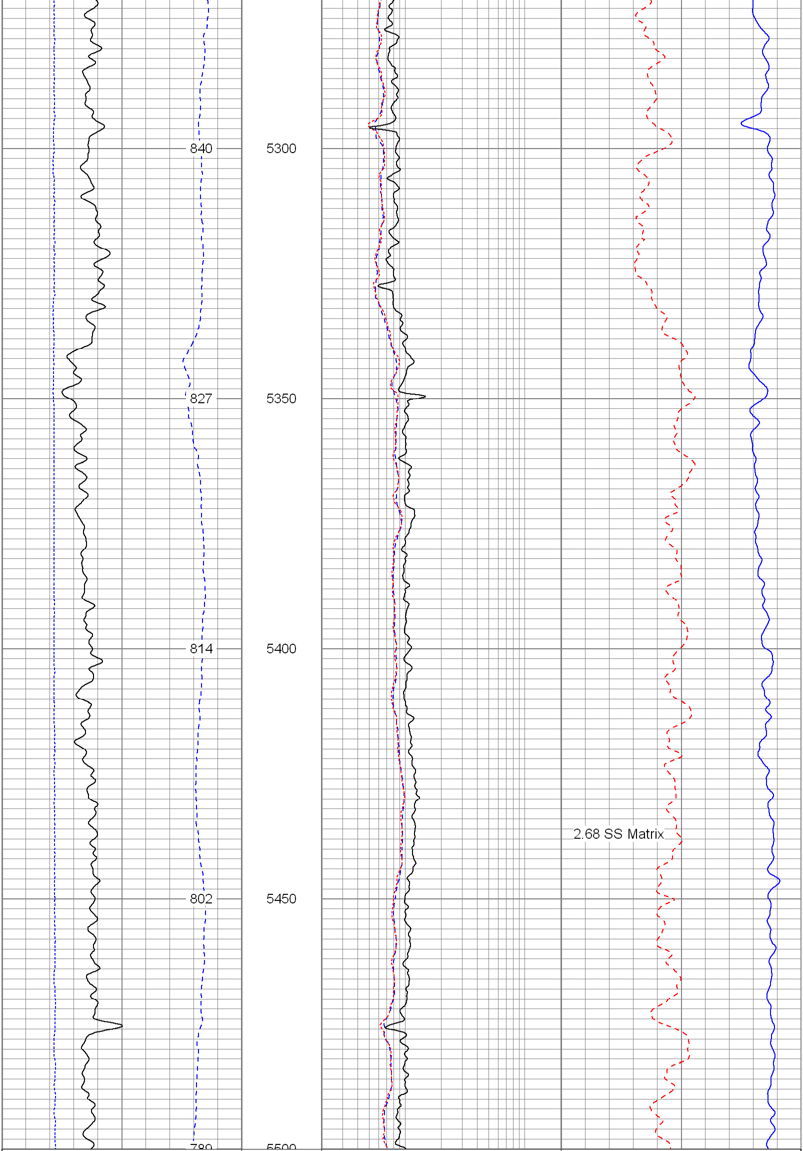
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

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









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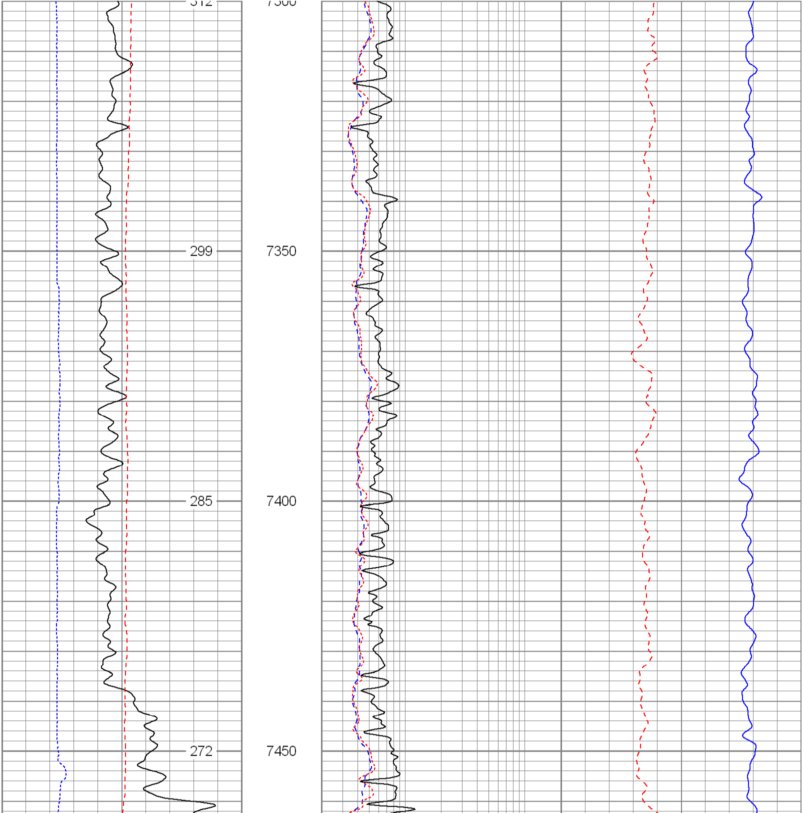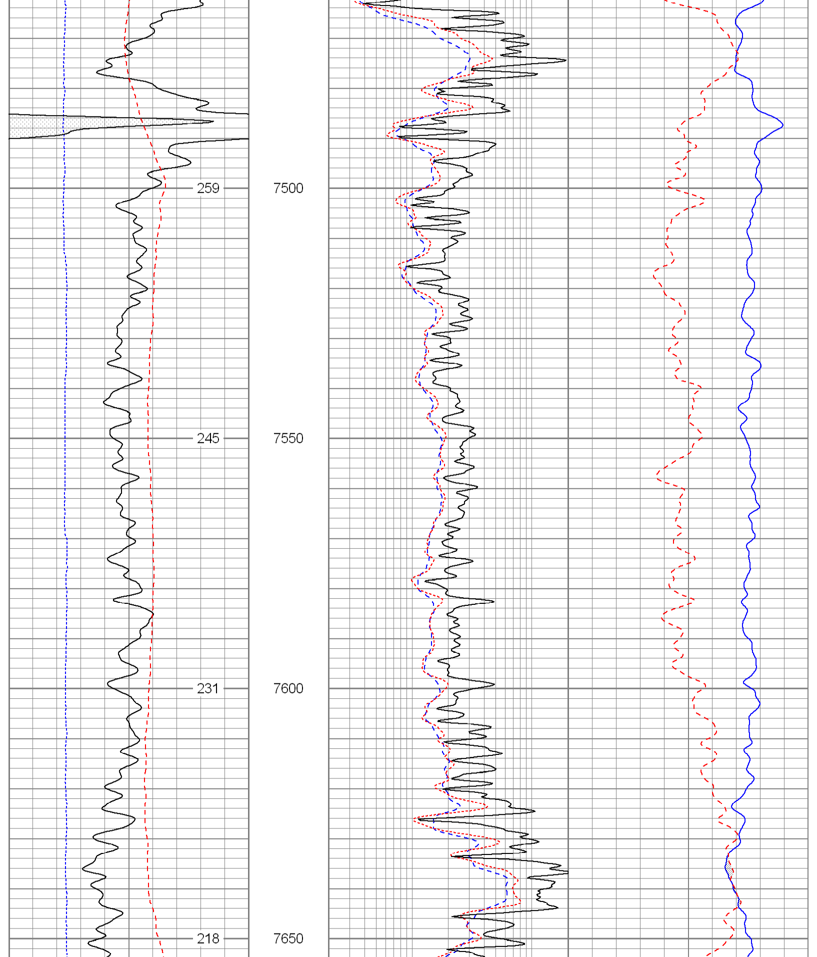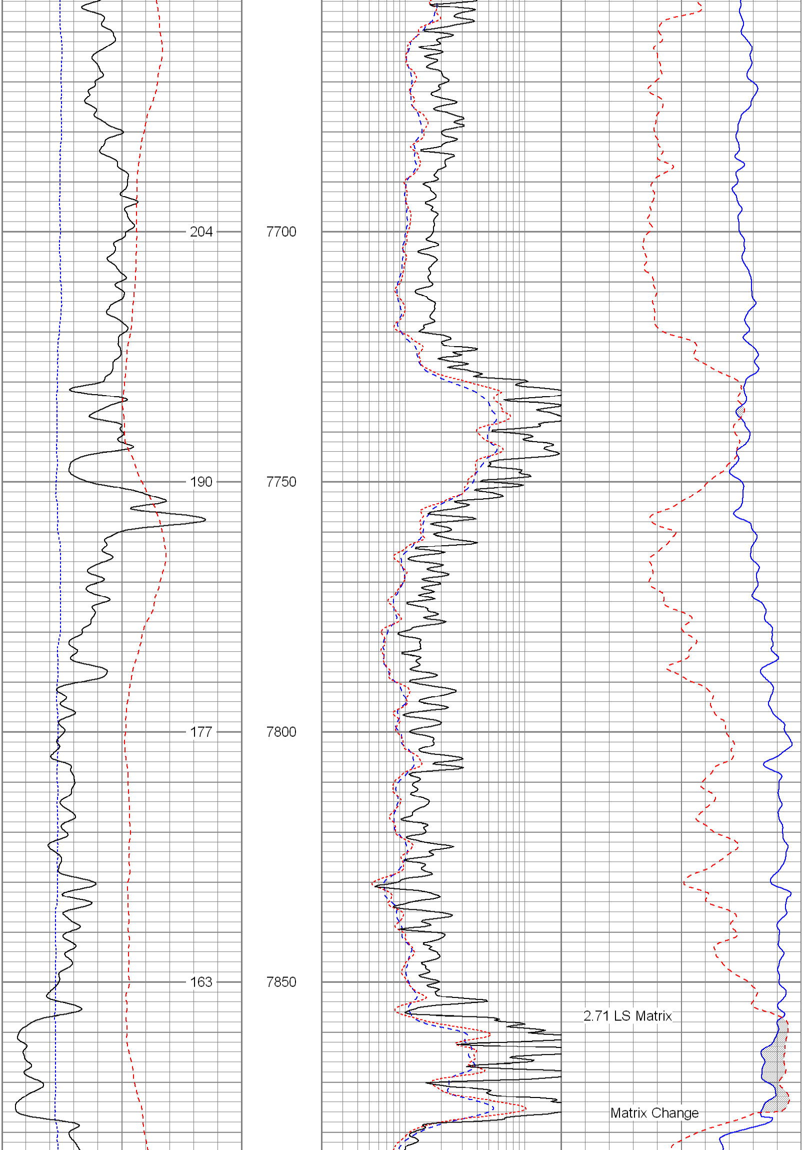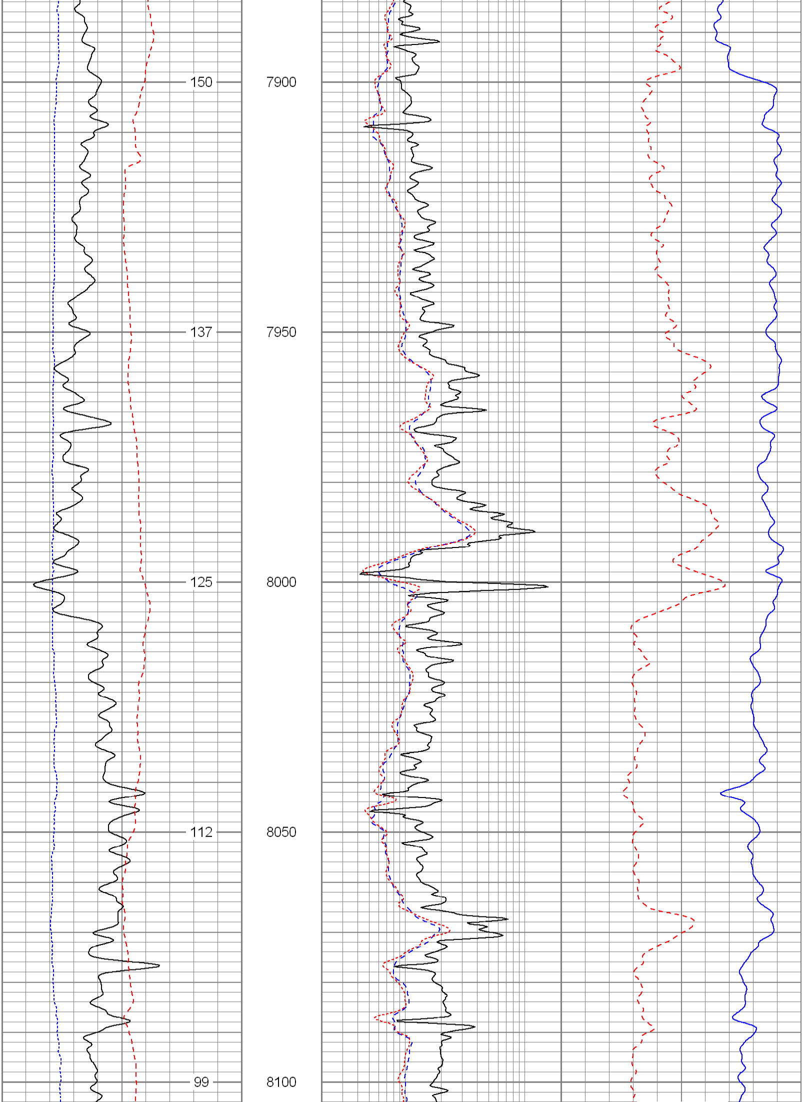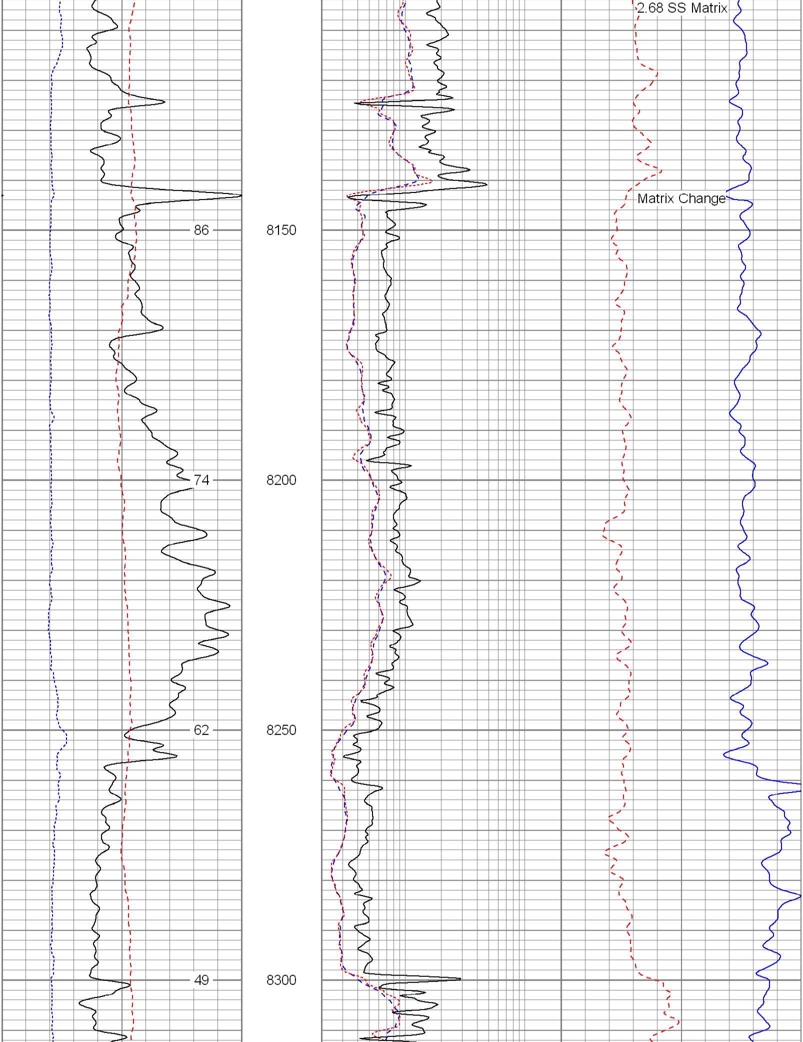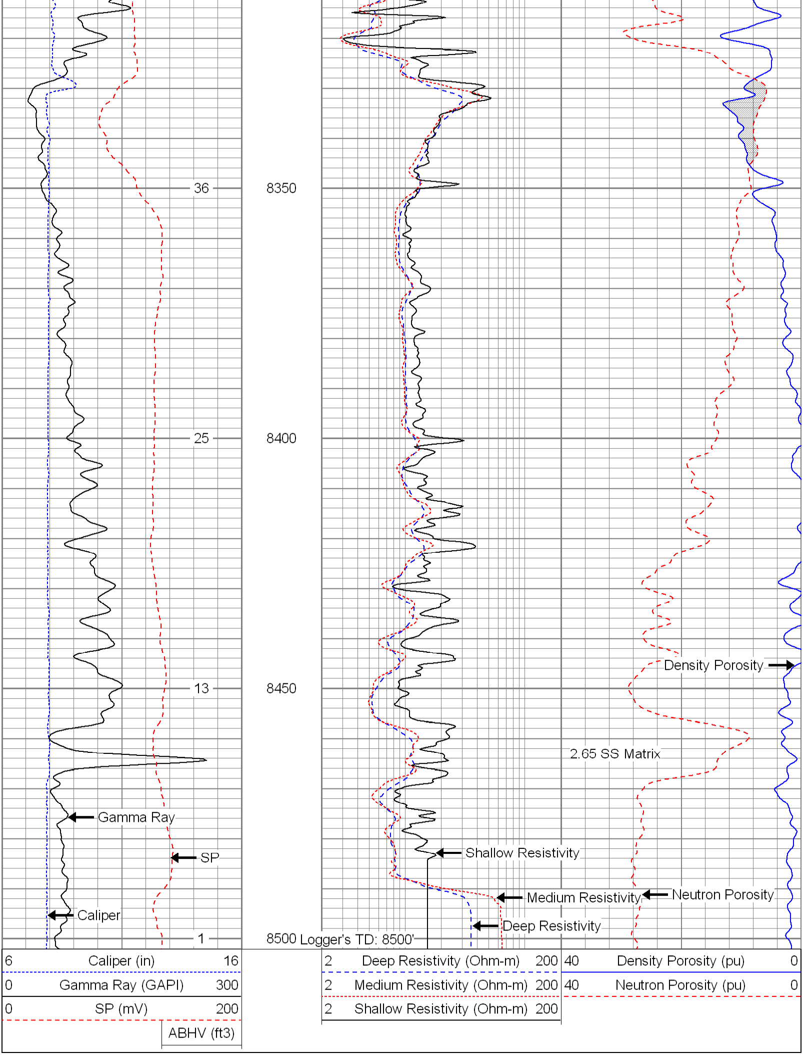40 Density Porosity (pu) 0
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