PSI
PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Encana Oil & Gas (USA) Inc.
Well	Ross 2-4-19
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 1968' FNL & 880' FWL SWNW
BHL: 2597' FNL & 1350' FWL SENW
Sec. 19, Twp. 2N, Rge. 68W

Other Services
None

Elevation
K.B. 5001
D.F. 5001
G.L. 4988

Permanent Datum	GL	Elevation	4988
Log Measured From	KB		
Drilling Measured From	KB		

Date	January 21, 2012		
Run Number	1		
Depth Driller	8190		
Depth Logger	8184		
Bottom Logged Interval	8184		
Top Log Interval	Casing		
Casing Driller	828		
Casing Logger	828		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.8 / 46		
pH / Fluid Loss	8.0 / 10		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.46 @ 71 F		
Rmf @ Meas. Temp	1.97 @ 71 F		
Rmc @ Meas. Temp	2.95 @ 71 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.77 @ 227 F		
Time Circulation Stopped	2015 1/20/2012		
Time Logger on Bottom	0300		
Maximum Recorded Temperature	227 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Wes Harrison		

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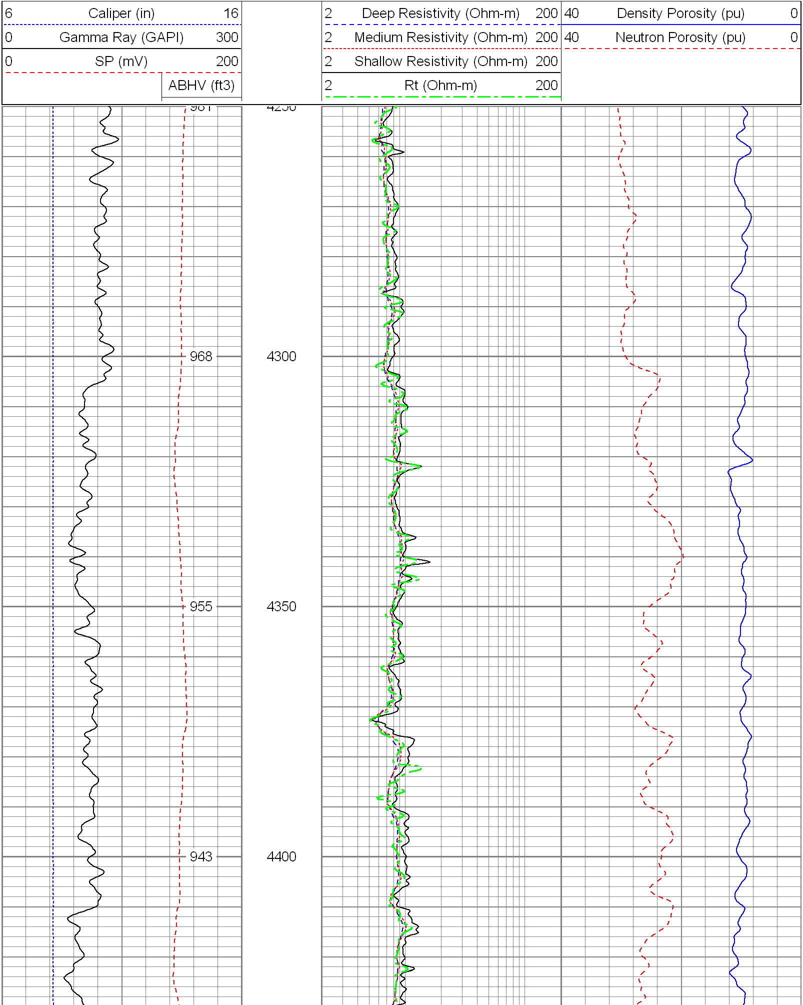
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

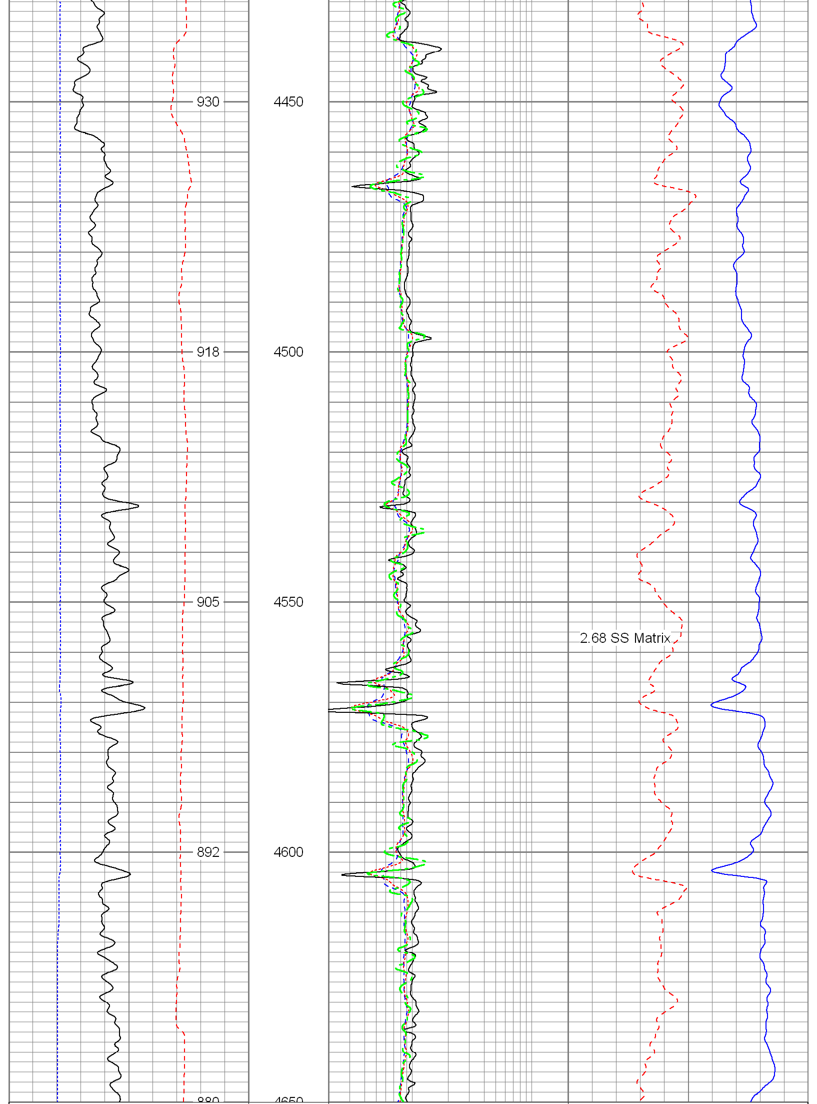
Comments

Annular volume calculated for 4.5" casing
Ensign Drilling Rig 122
Thank you for using Phoenix Surveys!!
API #: 05-123-33317-00

No Repeat due to hole conditions!!

Database File: 12543.db
Dataset Pathname: Final
Presentation Format: encana
Dataset Creation: Sat Jan 21 05:21:05 2012
Charted by: Depth in Feet scaled 1:240





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

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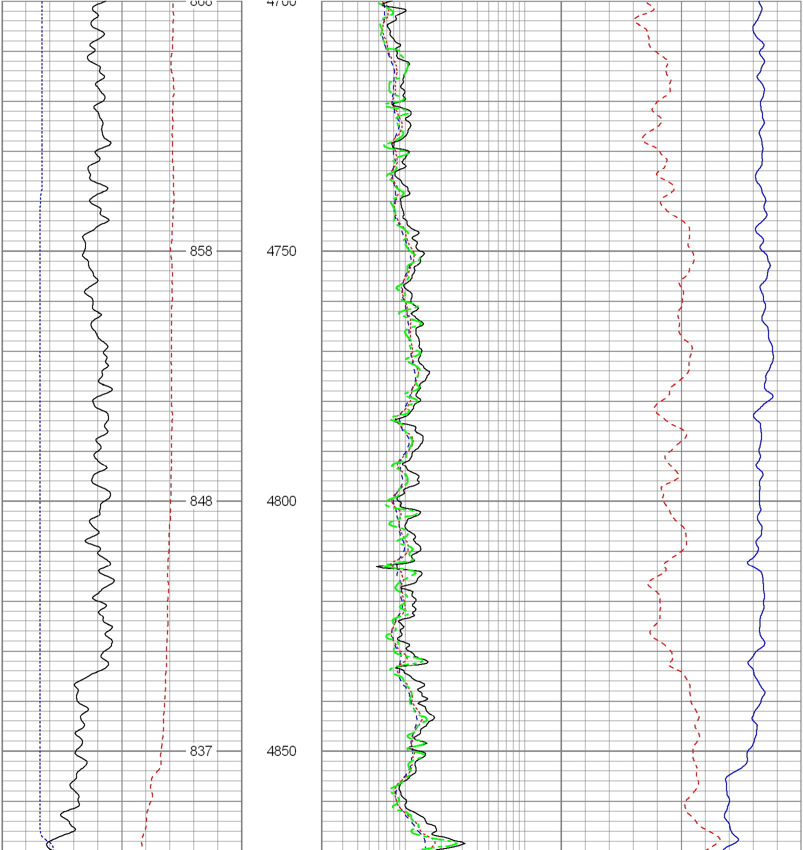

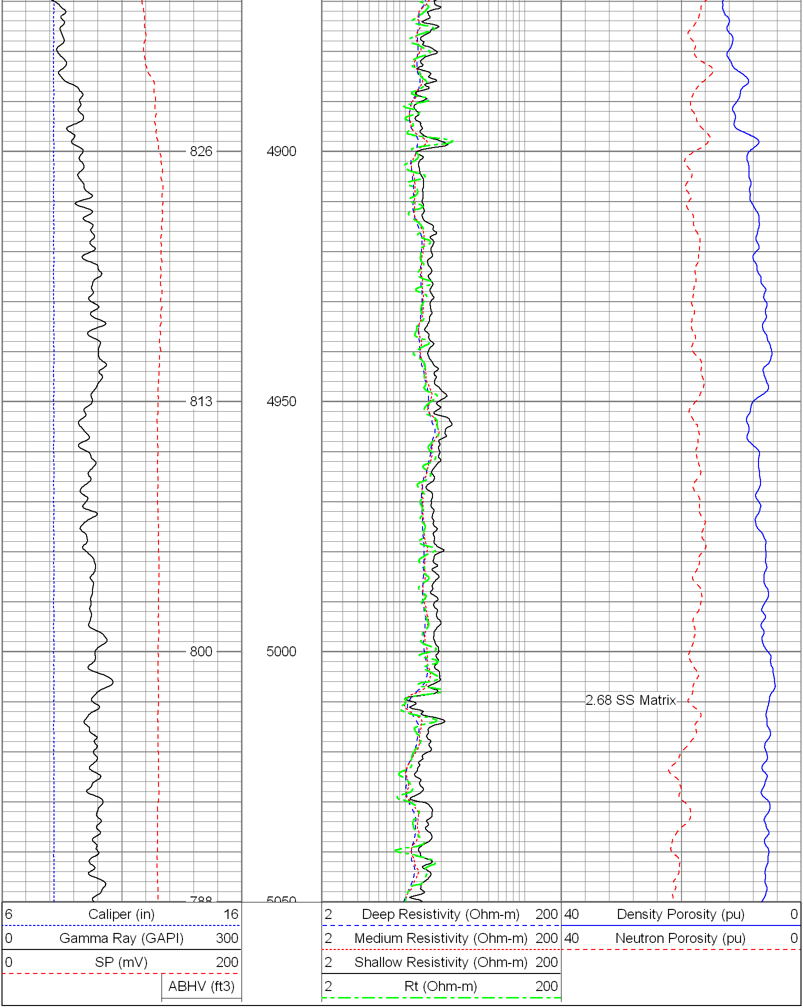

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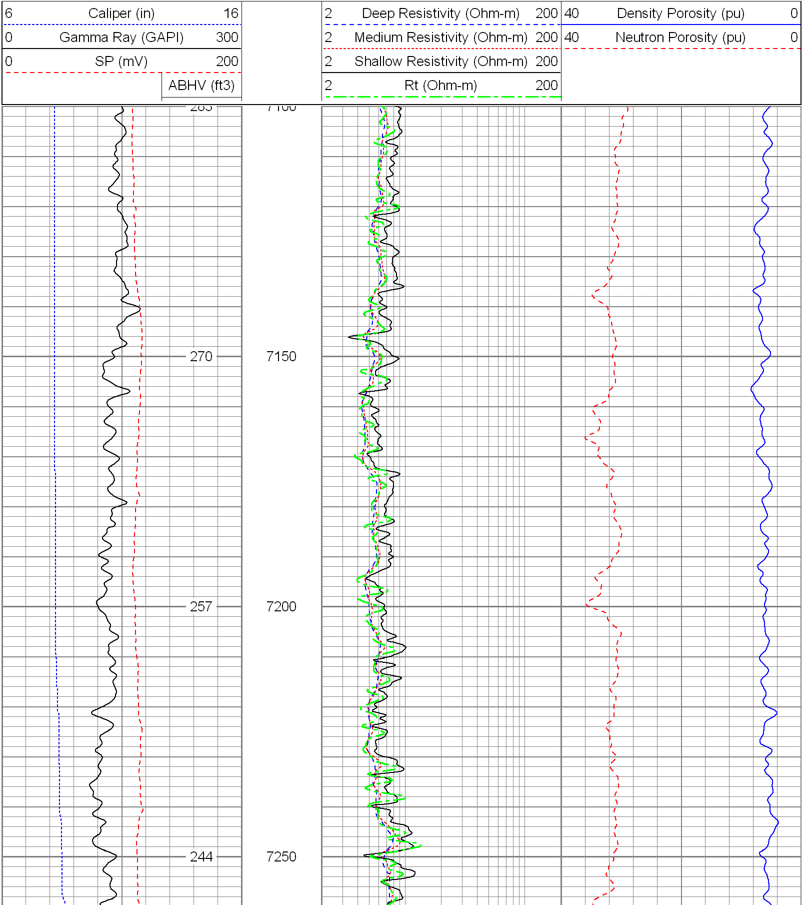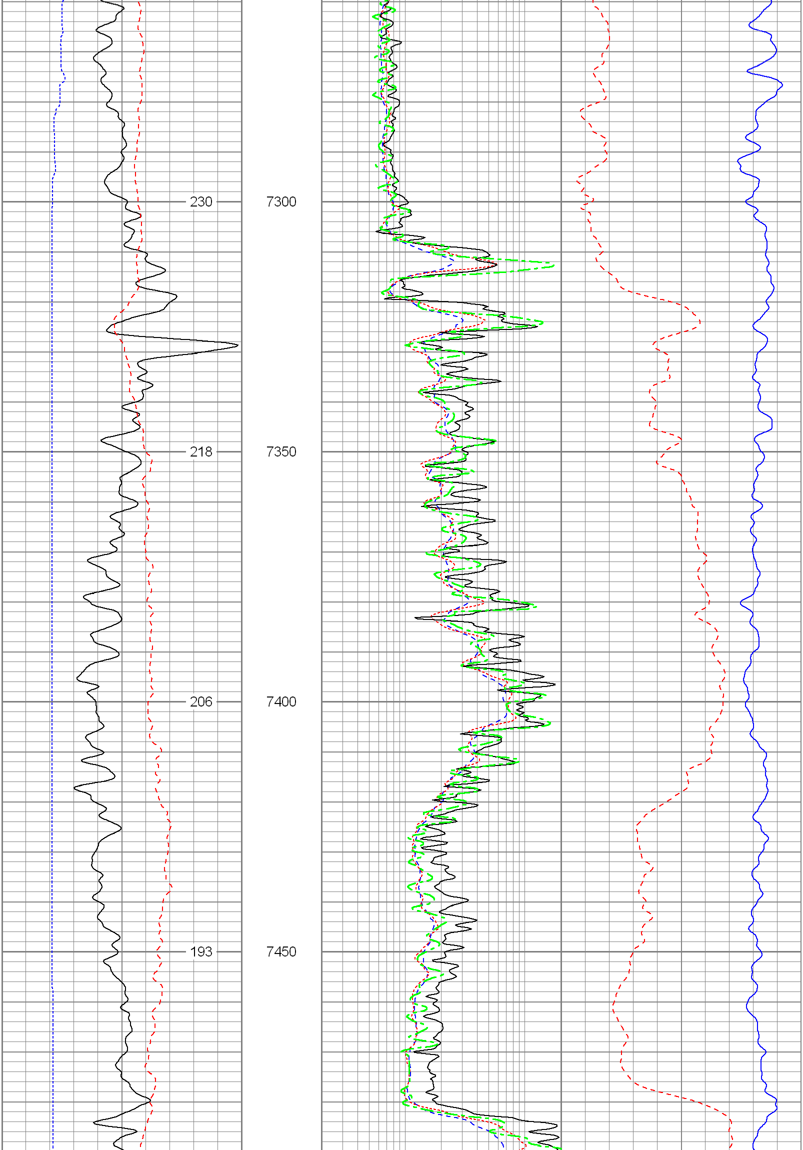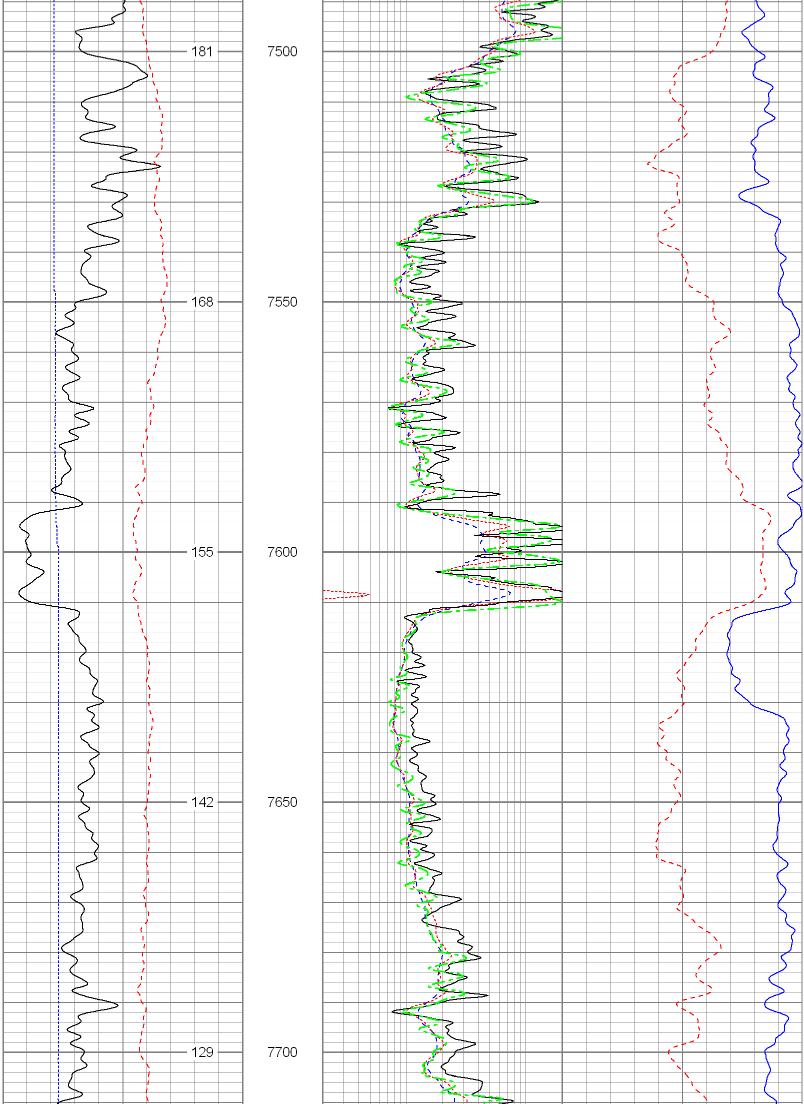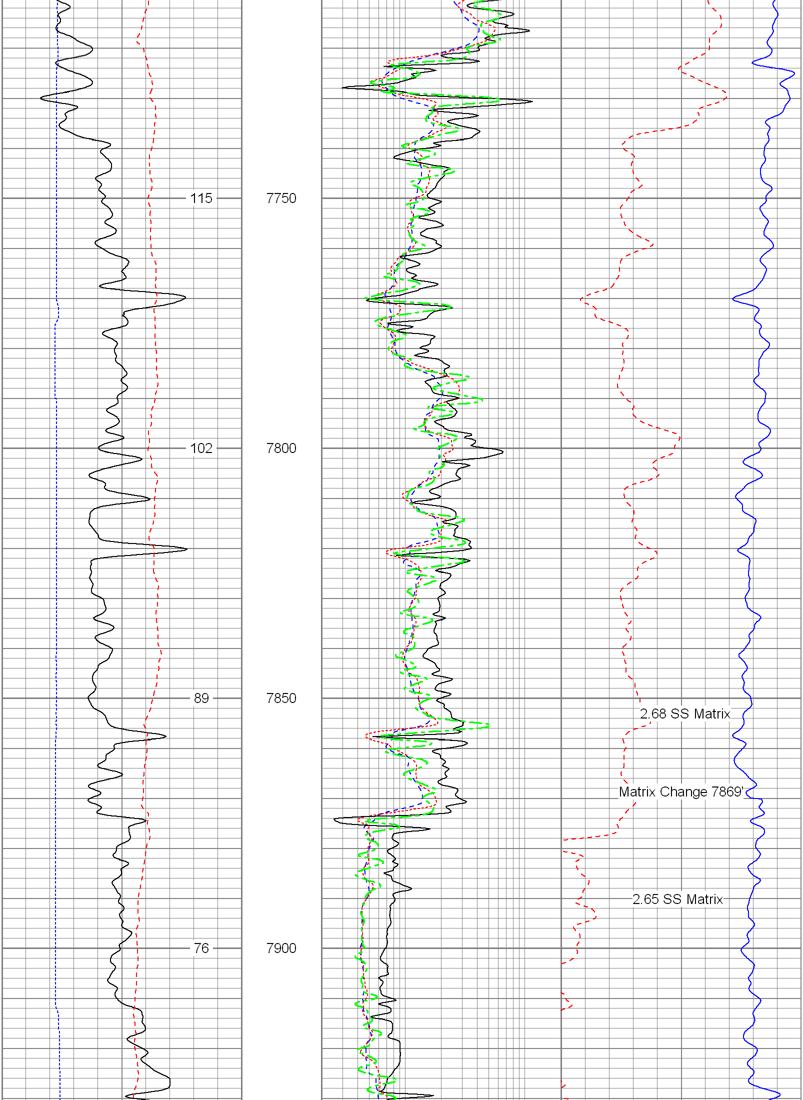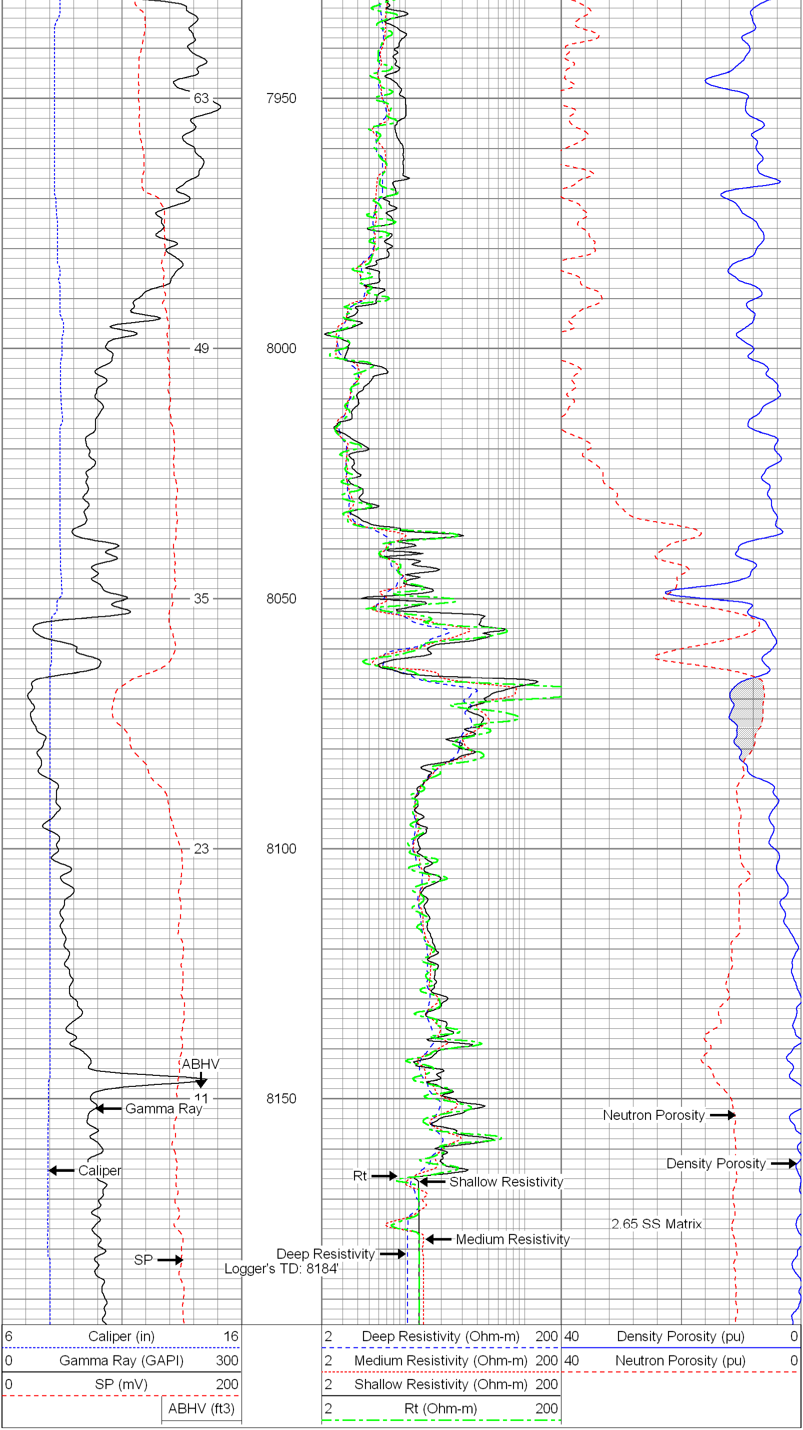
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40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0
270
7150
257
7200
244
7250