PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	EnCana Oil & Gas (USA) Inc.
Well	Williams 14-18
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
658' FSL & 511' FWL
SW SW
Sec 18, Twp 2N, Rge 68W

Other Services
None

Elevation
K.B. 5011
D.F. 5010
G.L. 4995

Permanent Datum	GL	Elevation	4995
Log Measured From	KB		
Drilling Measured From	KB		

Date	September 28, 2008		
Run Number	1		
Depth Driller	8140		
Depth Logger	8141		
Bottom Logged Interval	8141		
Top Log Interval	Casing		
Casing Driller	754		
Casing Logger	754		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 55		
pH / Fluid Loss	7.6 / 8.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.11 @ 80° F		
Rmf @ Meas. Temp	2.49 @ 80° F		
Rmc @ Meas. Temp	3.73 @ 80° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.11 @ 218° F		
Time Circulation Stopped	1230		
Time Logger on Bottom	2045		
Maximum Recorded Temperature	218° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Ian Harris		
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

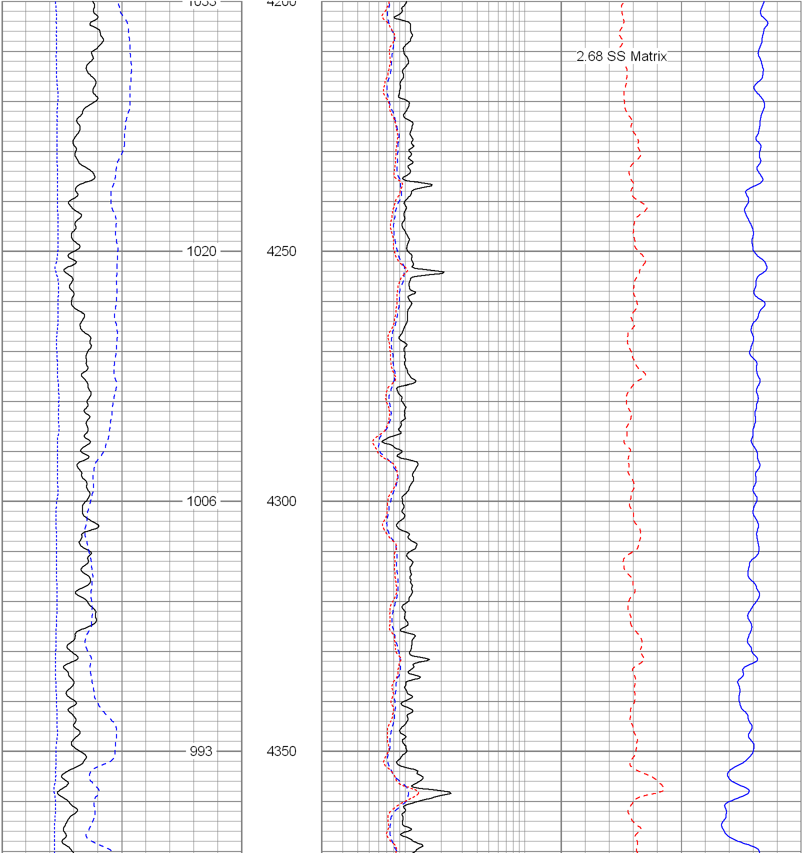
Annular volume calculated for 4.5" casing
Patterson UTI Drilling Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-123-25511-00

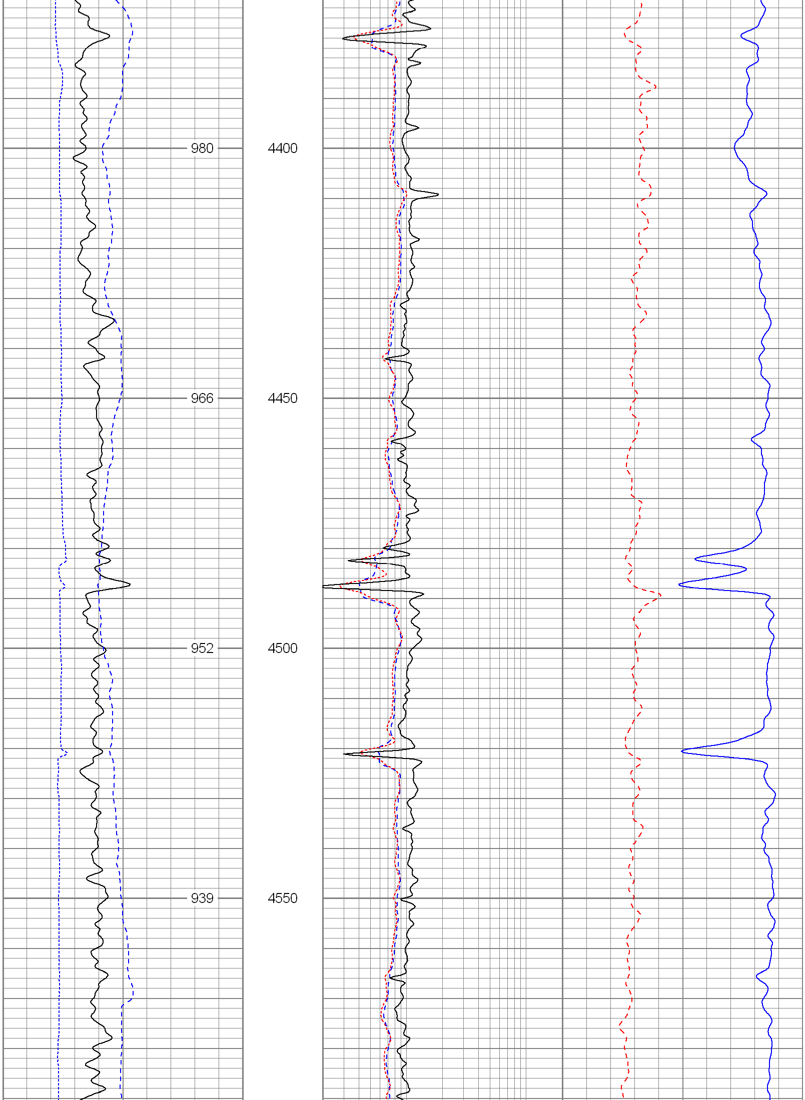
Database File:	9209.db
Dataset Pathname:	pass4
Presentation Format:	encana1
Dataset Creation:	Sun Sep 28 20:47:08 2008 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240

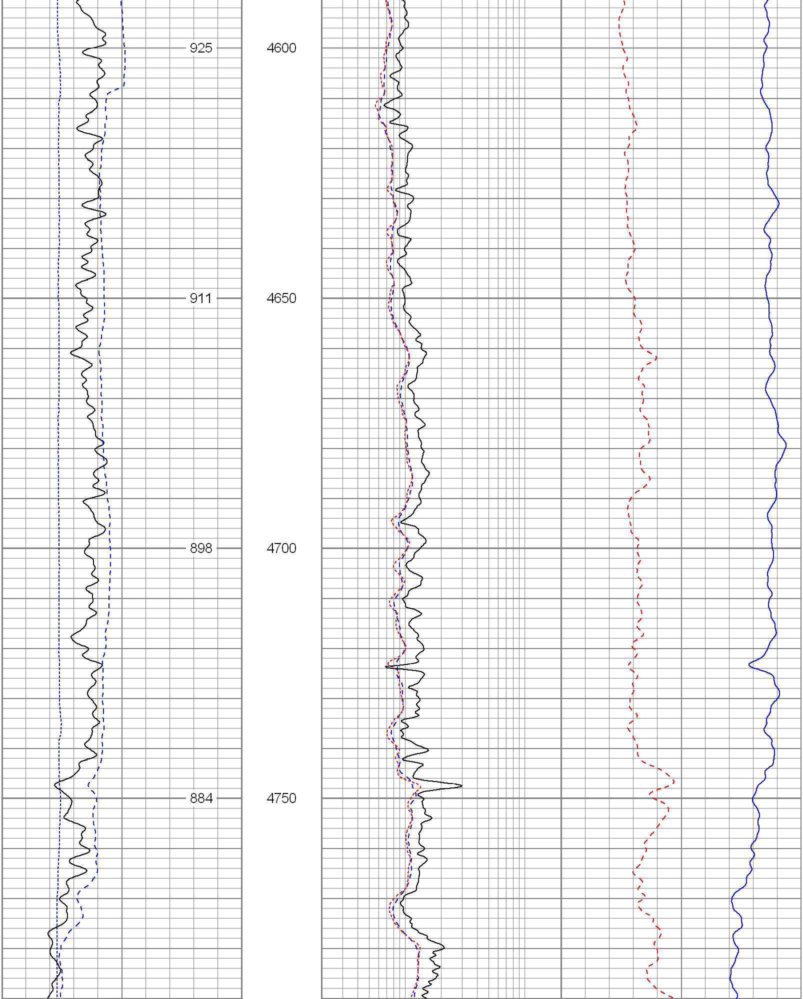
6 Density Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 100
ABHV (ft3)

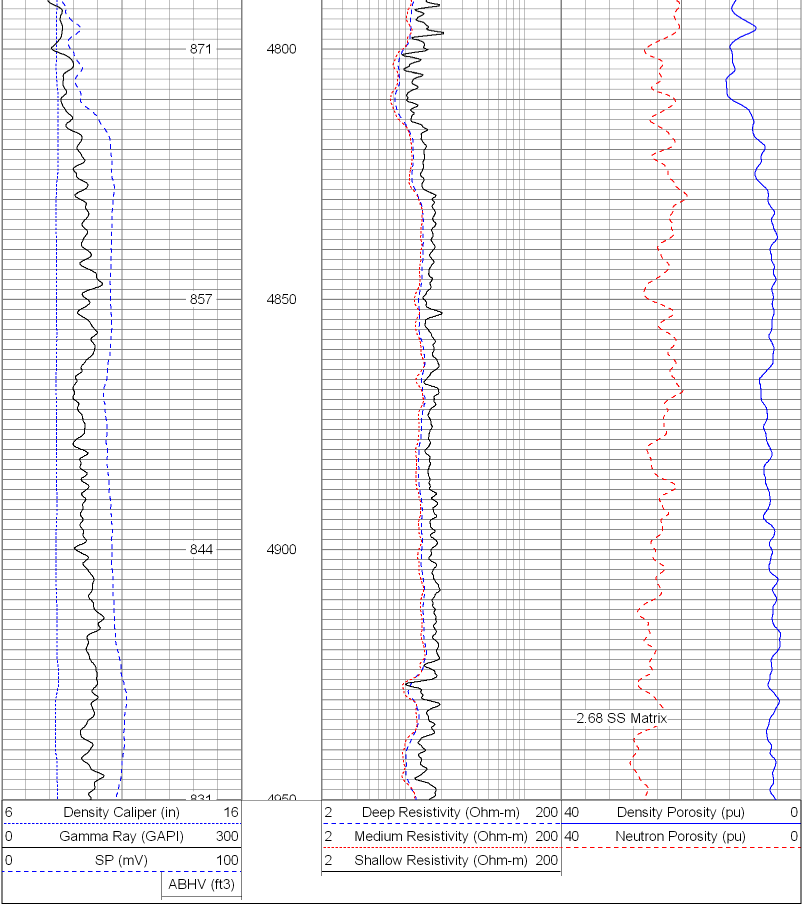
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

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









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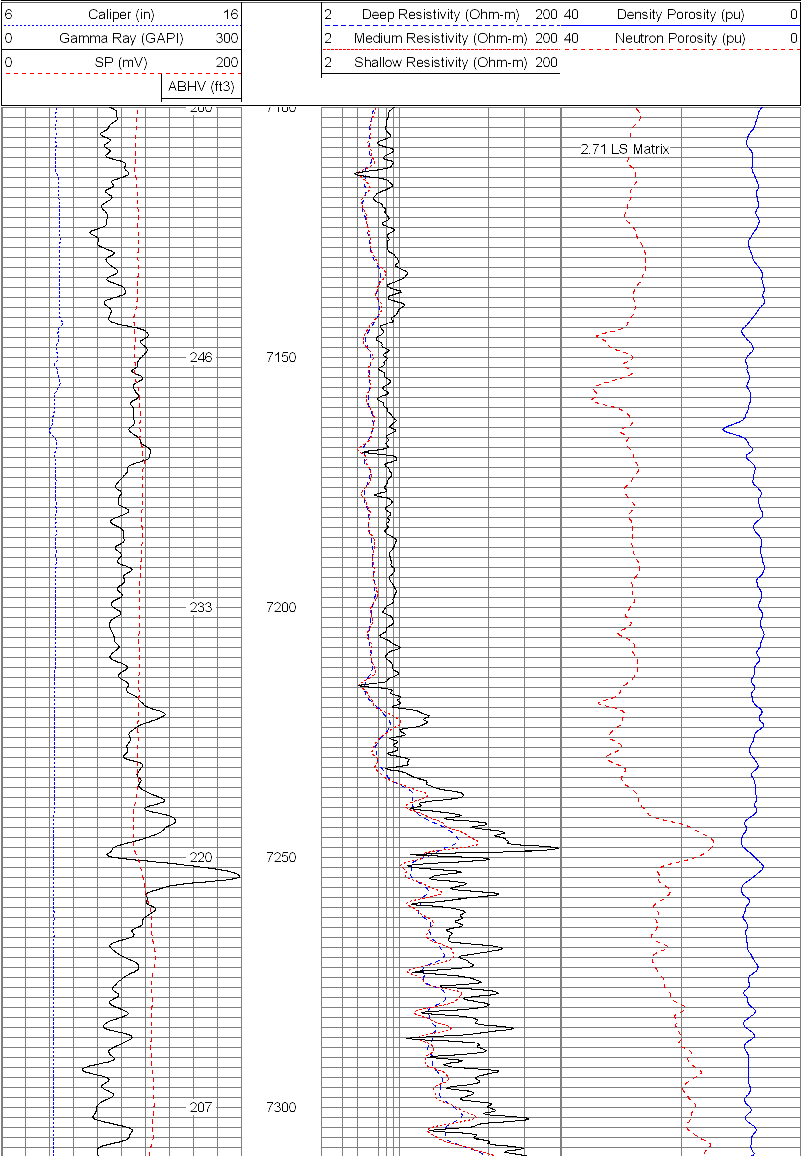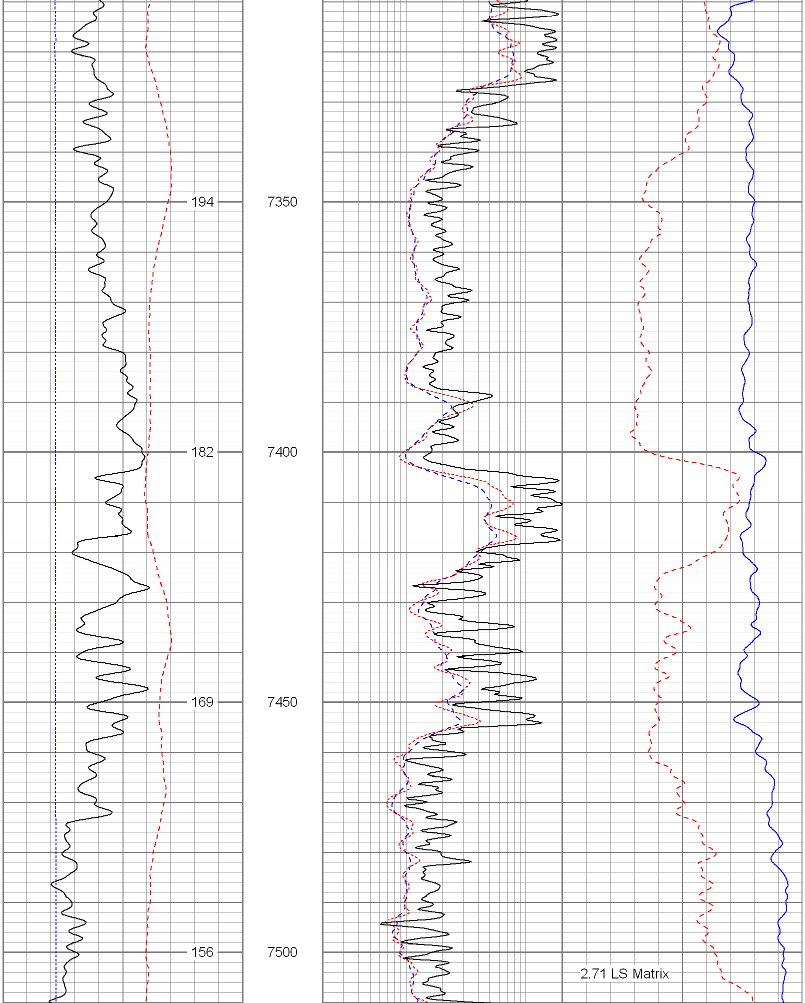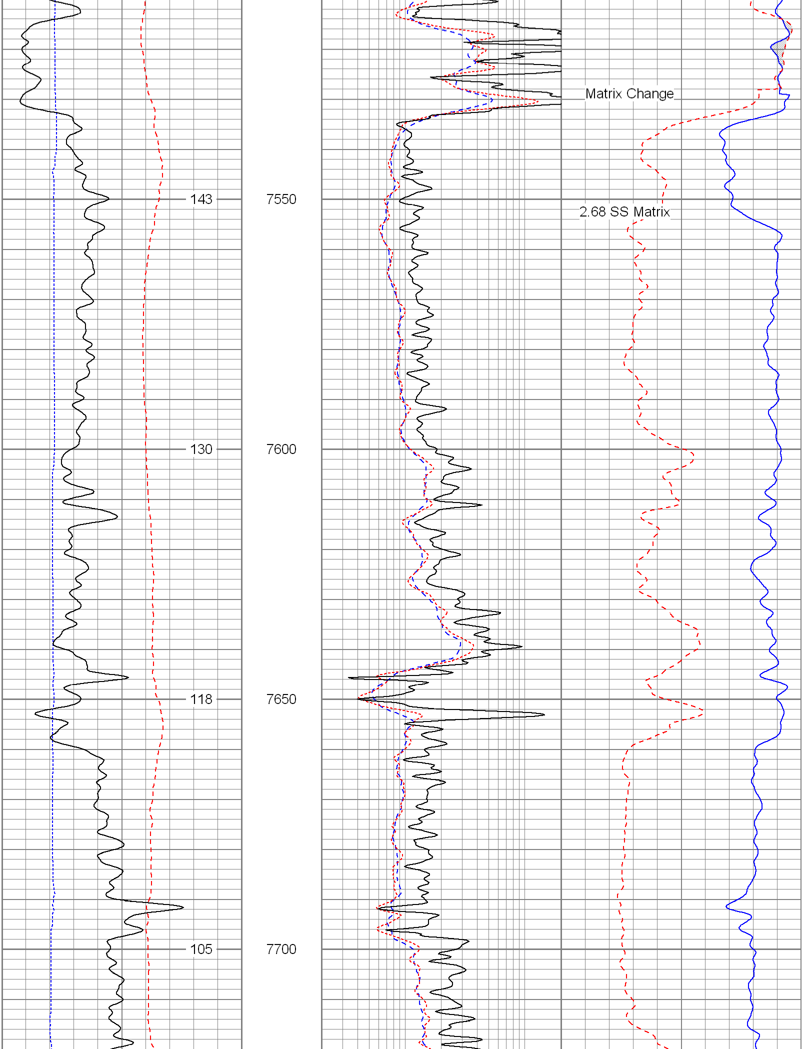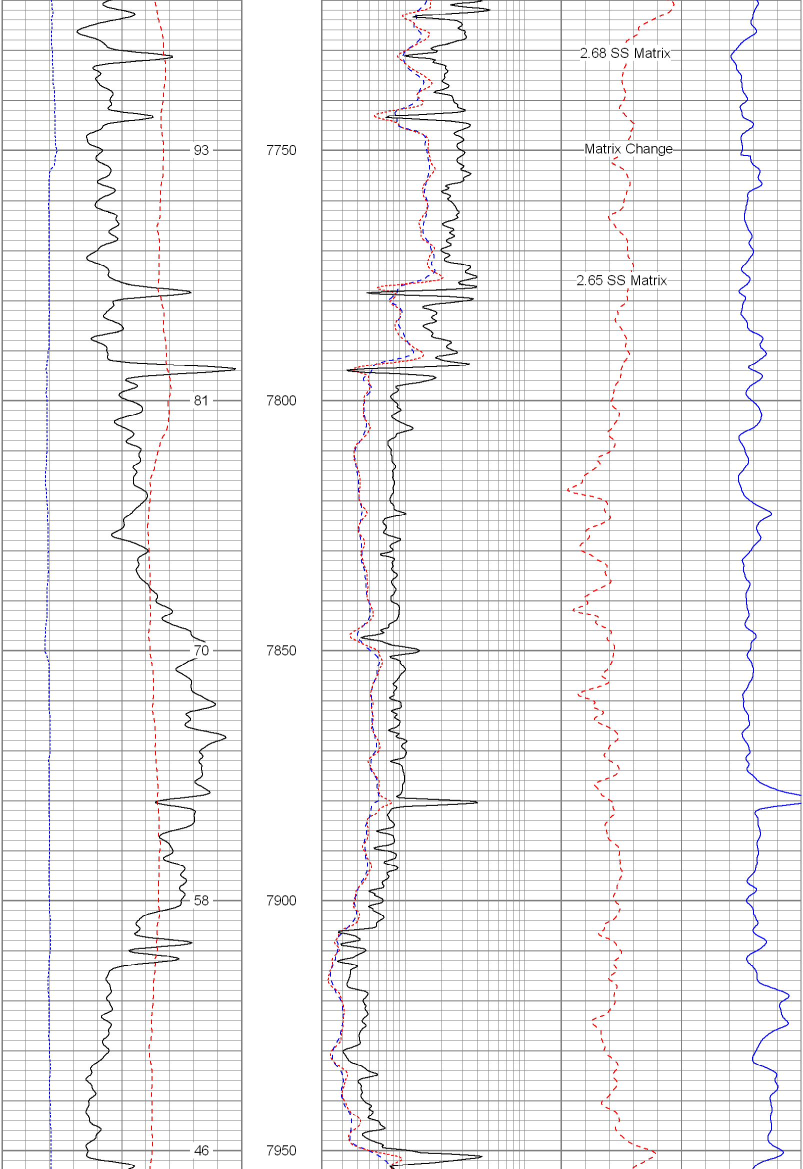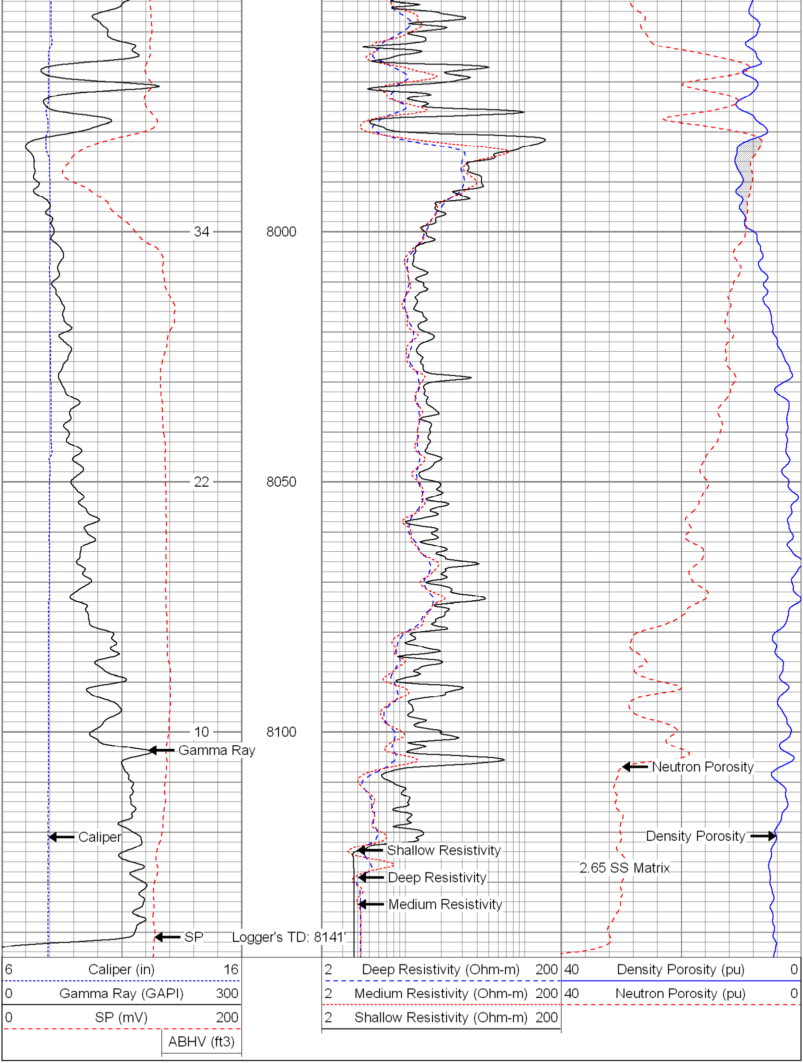
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0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0
260
7100
2.71 LS Matrix
246
7150
233
7200
220
7250
207
7300