PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company EnCana Oil & Gas (USA) Inc.
Well Harsch 34-27
Field Wattenberg
County Boulder **State/Province** Colorado

Location
625' FSL & 1995' FEL
SW SE
Sec 27, Twp 2N, Rge 69W

Other Services
None

Elevation
K.B. 5060
D.F. 5059
G.L. 5045

Permanent Datum GL Elevation 5045
Log Measured From KB
Drilling Measured From KB

Date	February 25, 2008		
Run Number	1		
Depth Driller	8148		
Depth Logger	8147		
Bottom Logged Interval	8147		
Top Log Interval	Casing		
Casing Driller	684		
Casing Logger	684		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.9 / 60		
pH / Fluid Loss	7.5 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.86 @ 76°F		
Rmf @ Meas. Temp	2.15 @ 76°F		
Rmc @ Meas. Temp	3.56 @ 76°F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.02 @ 220°F		
Time Circulation Stopped	2145 02/24/08		
Time Logger on Bottom	0630 02/25/08		
Maximum Recorded Temperature	220 °F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Craig Hope		

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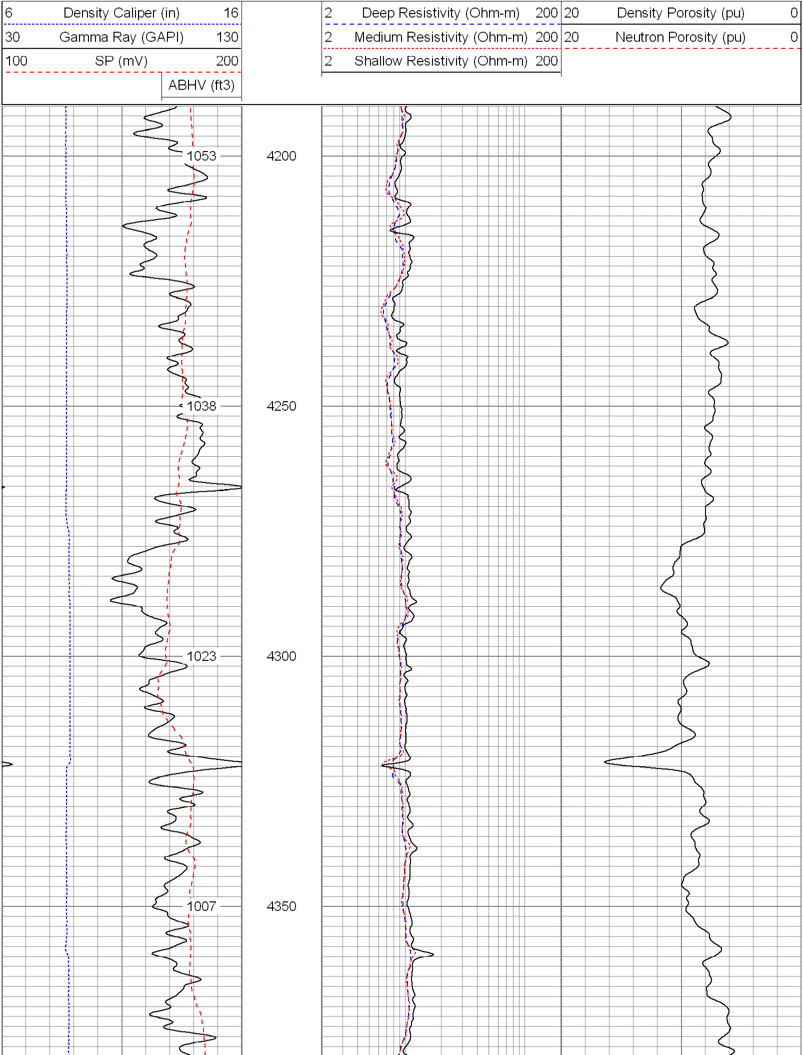
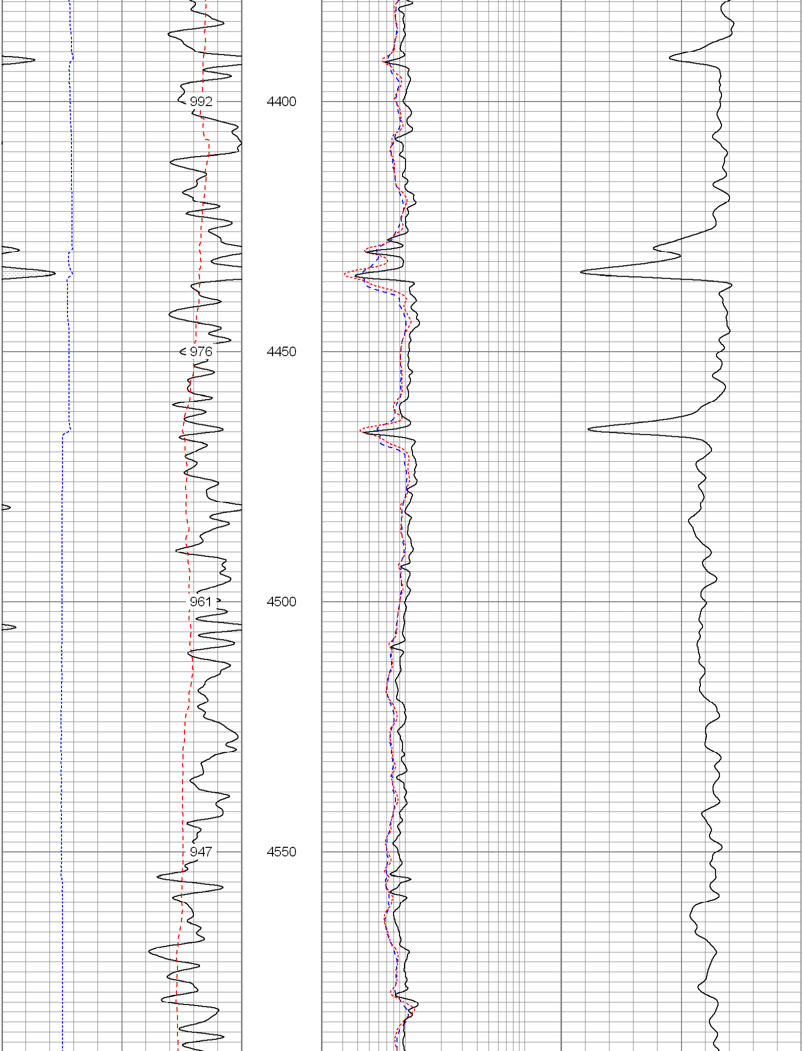
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

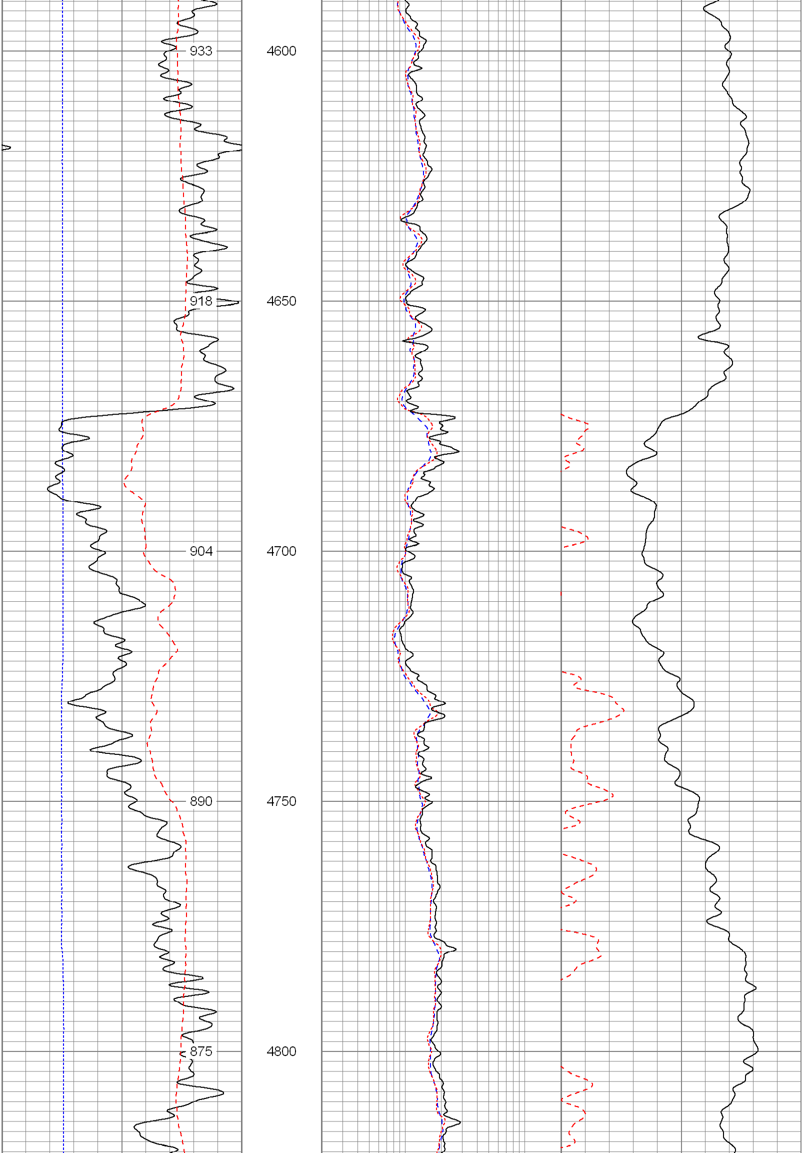
Comments

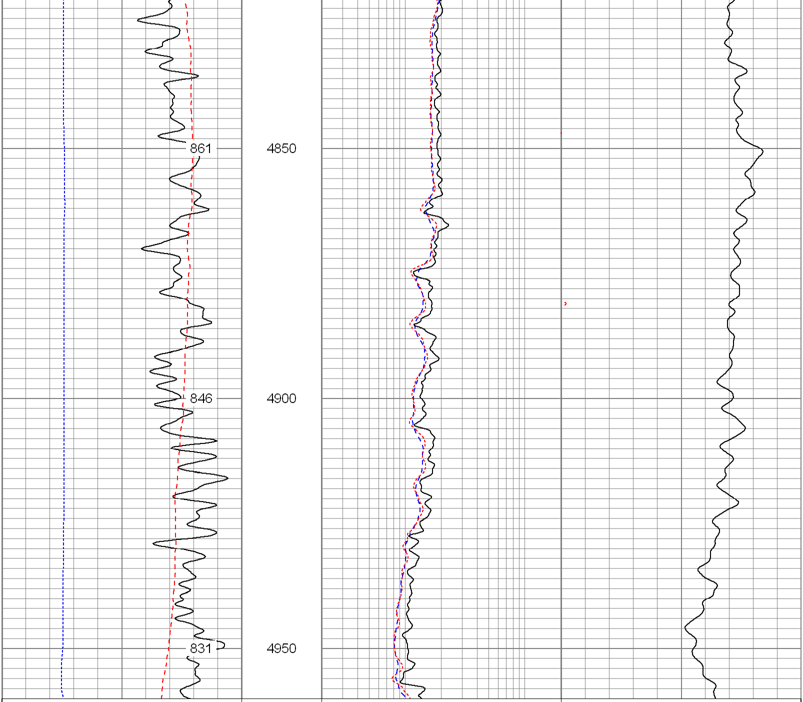
Annular volume calculated for 4.5" casing
Patterson UTI Drilling Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-013-06545-0000

Database File:	8400.db
Dataset Pathname:	pass3
Presentation Format:	pdc1
Dataset Creation:	Mon Feb 25 06:44:43 2008 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240









6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
100	SP (mV)	200
	ABHV (ft3)	

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

20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

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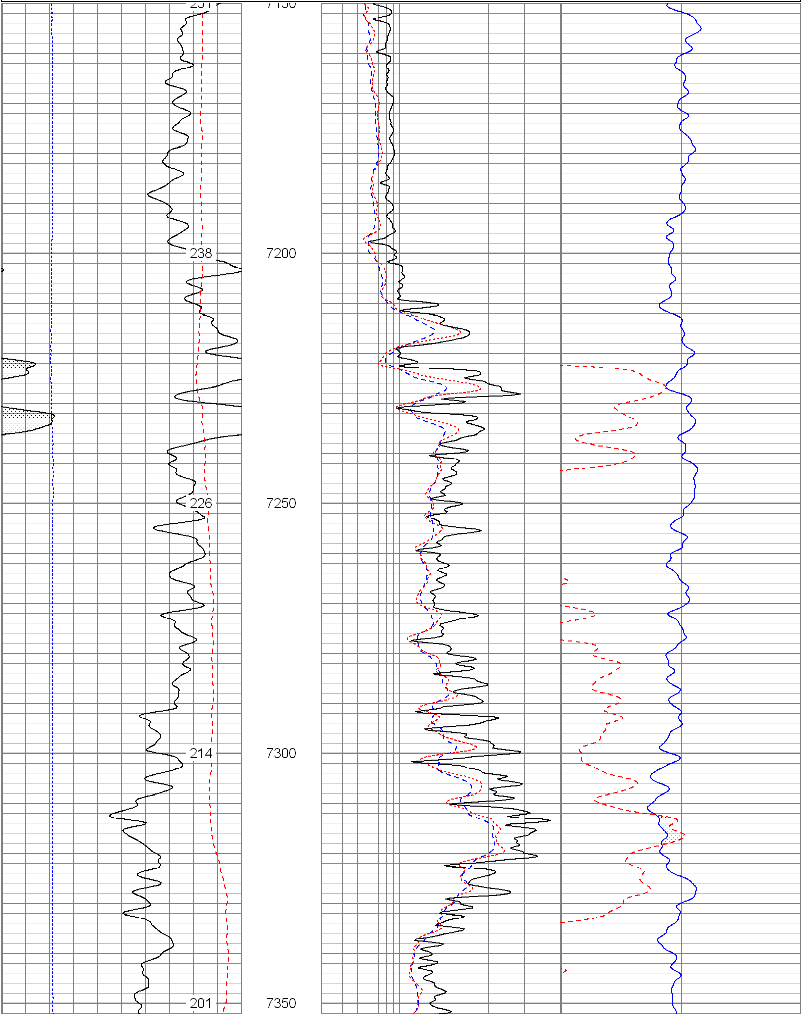

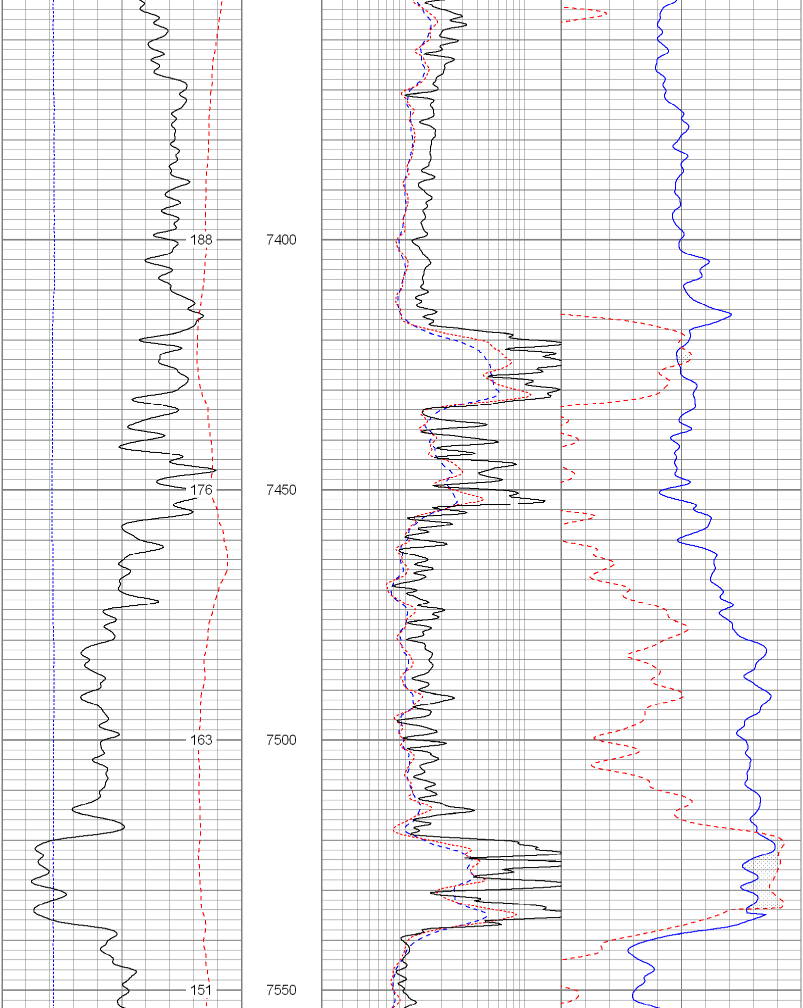

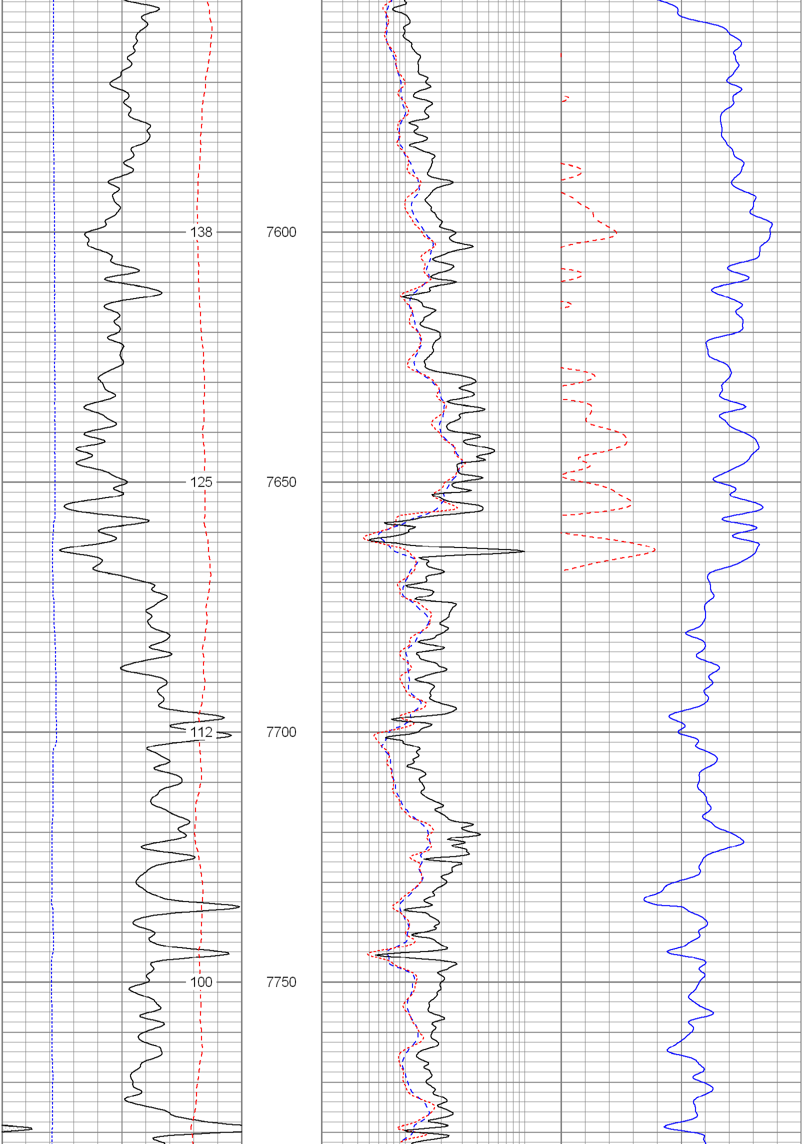

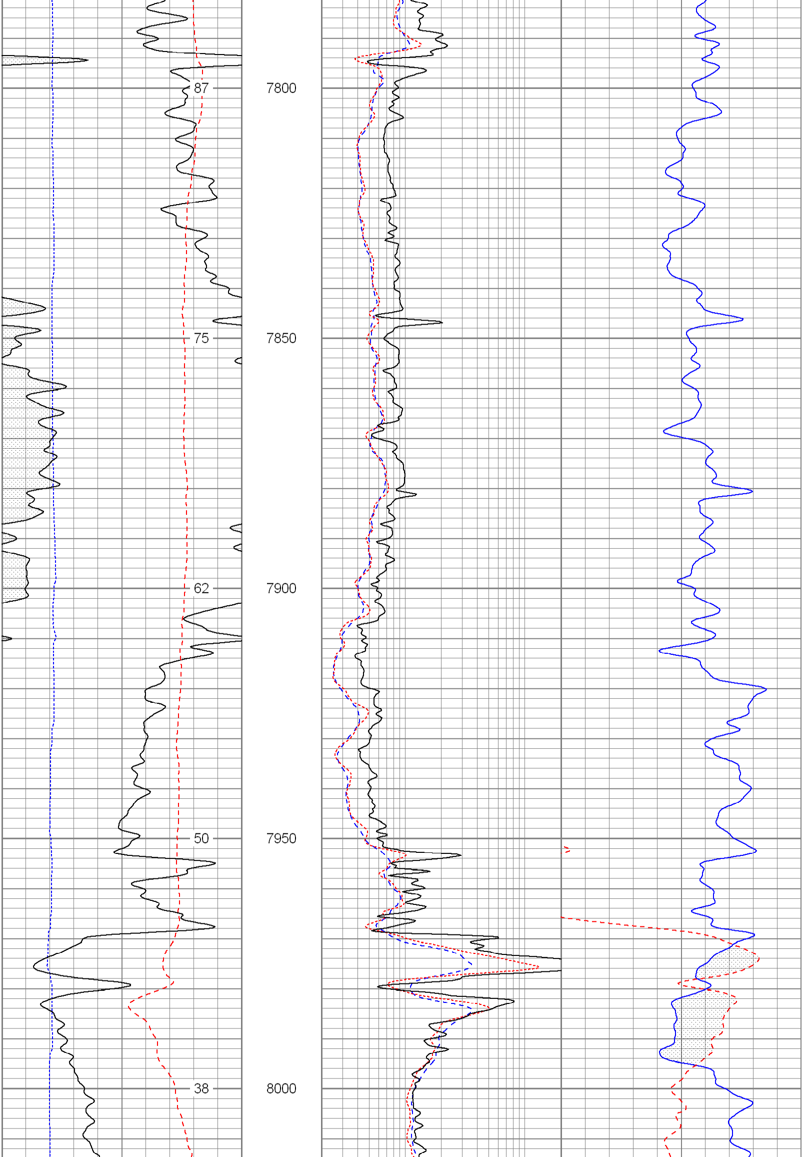

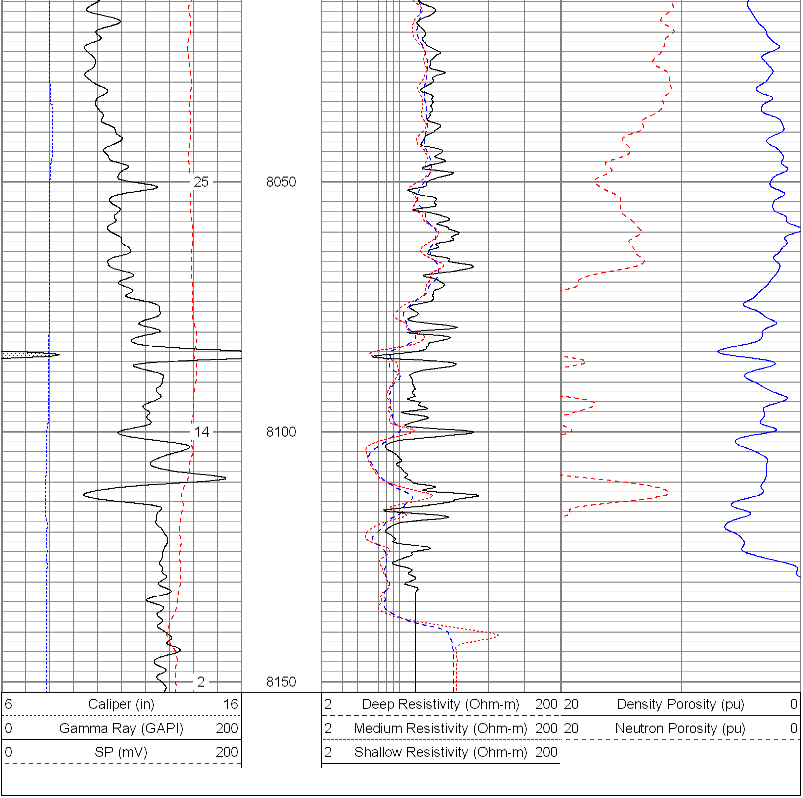
25
14
2
8050
8100
8150
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