PHOENIX SURVEYS, INC.

Company
Well
Field
County
State/Prv

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company EnCana Oil & Gas (USA) Inc.

Well Harsch 6-2-27

Field Wattenberg

County Boulder **State/Province** Colorado

Location 1236' FNL & 1326' FEL
SE NE
Sec 27, Twp 2N, Rge 69W

Other Services
None

Permanent Datum	GL	Elevation 5032
Log Measured From	KB	
Drilling Measured From	KB	

Elevation
K.B. 5047
D.F. 5046
G.L. 5032

Date	March 15, 2007			
Run Number	1			
Depth Driller	8100			
Depth Logger	8102			
Bottom Logged Interval	8102			
Top Log Interval	Casing			
Casing Driller	668			
Casing Logger	668			
Bit Size	7-7/8"			
Type Fluid in Hole	Chem Gel			
Density / Viscosity	10.5 / 55			
pH / Fluid Loss	8.5 / 10.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	3.75 @ 67°F			
Rmf @ Meas. Temp	2.81 @ 67°F			
Rmc @ Meas. Temp	4.03 @ 67°F			
Source of Rmf / Rmc	Measure / Calc			
Rm @ BHT	1.04 @ 220 °F			
Time Circulation Stopped	1100			
Time Logger on Bottom	1855			
Maximum Recorded Temperature	220 °F			
Equipment Number	4078			
Location	Brighton, CO			
Recorded By	Ian Harris			
Witnessed By	Don Buckles			

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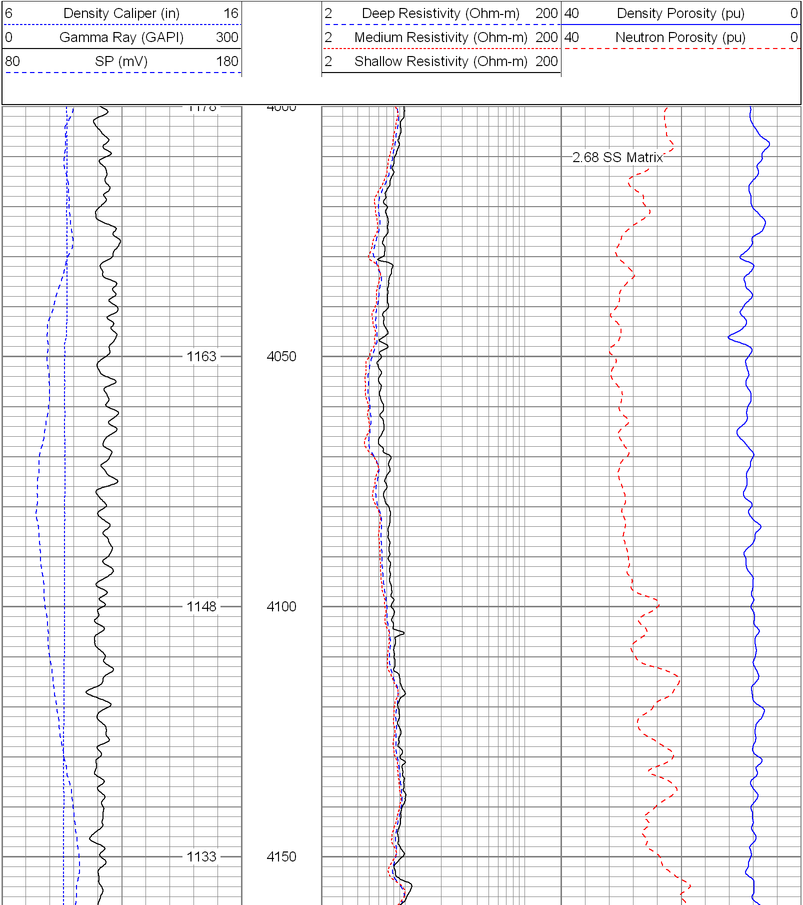
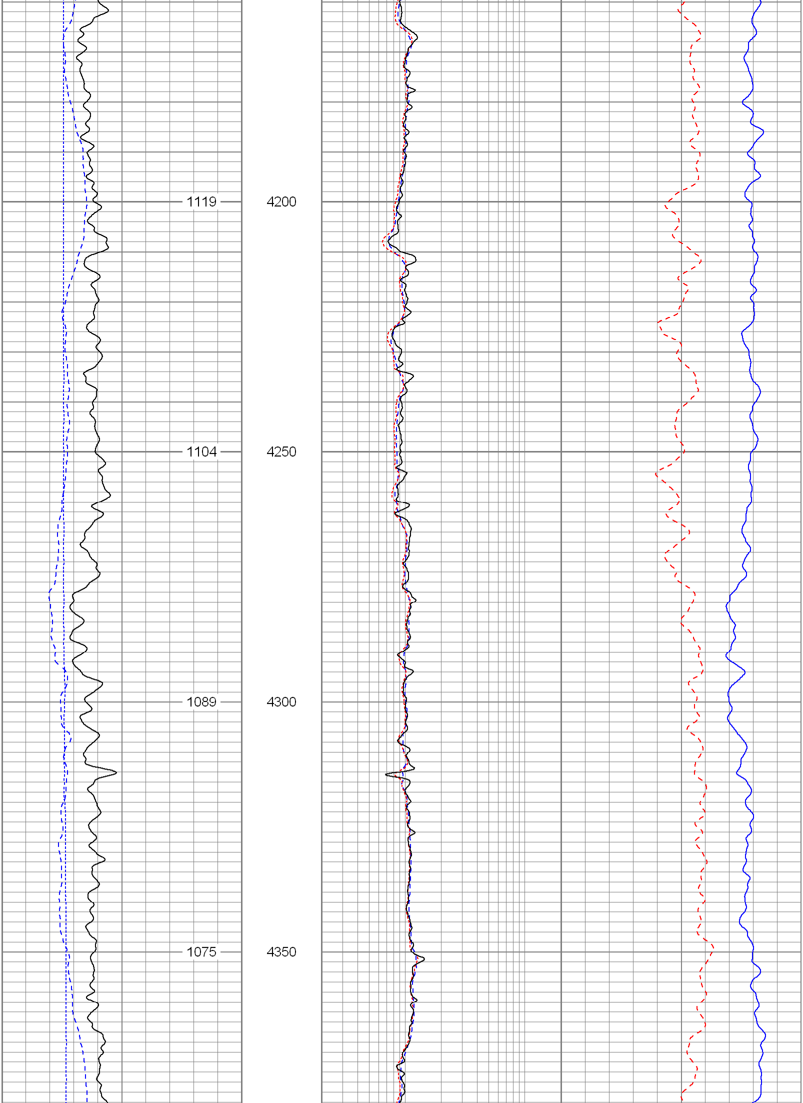
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

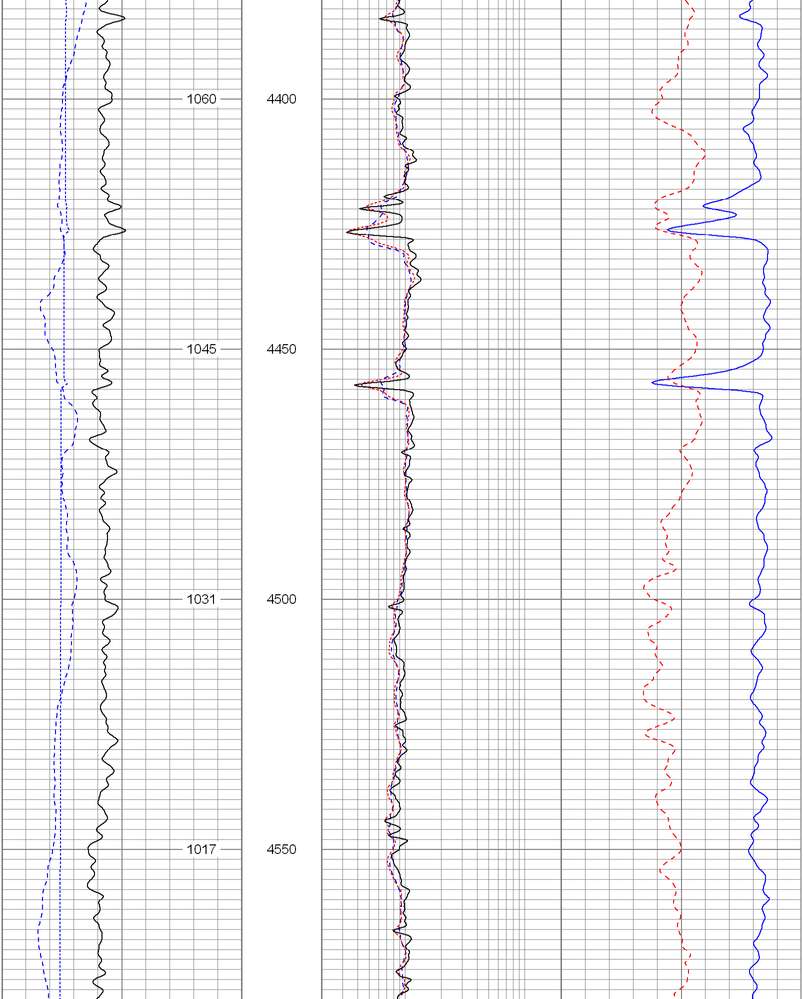
Comments

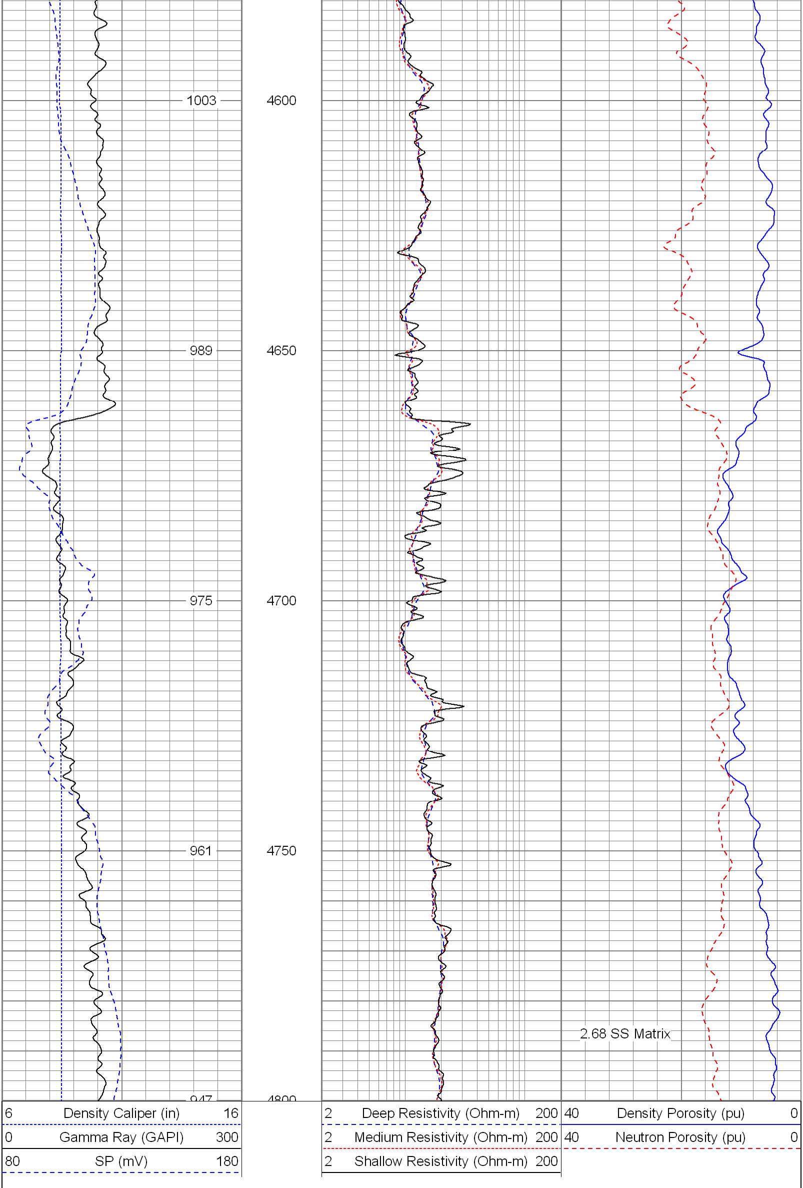
Annular volume calculated for 4.5" casing
Pattersen UTI Drilling Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-013-06518-00
No Repeat Due To Hole Conditions

Database File:	6953.db
Dataset Pathname:	pass2
Presentation Format:	encana1
Dataset Creation:	Thu Mar 15 18:40:37 2007 by Log Open-Cased 051020
Charted by:	Depth in Feet scaled 1:240









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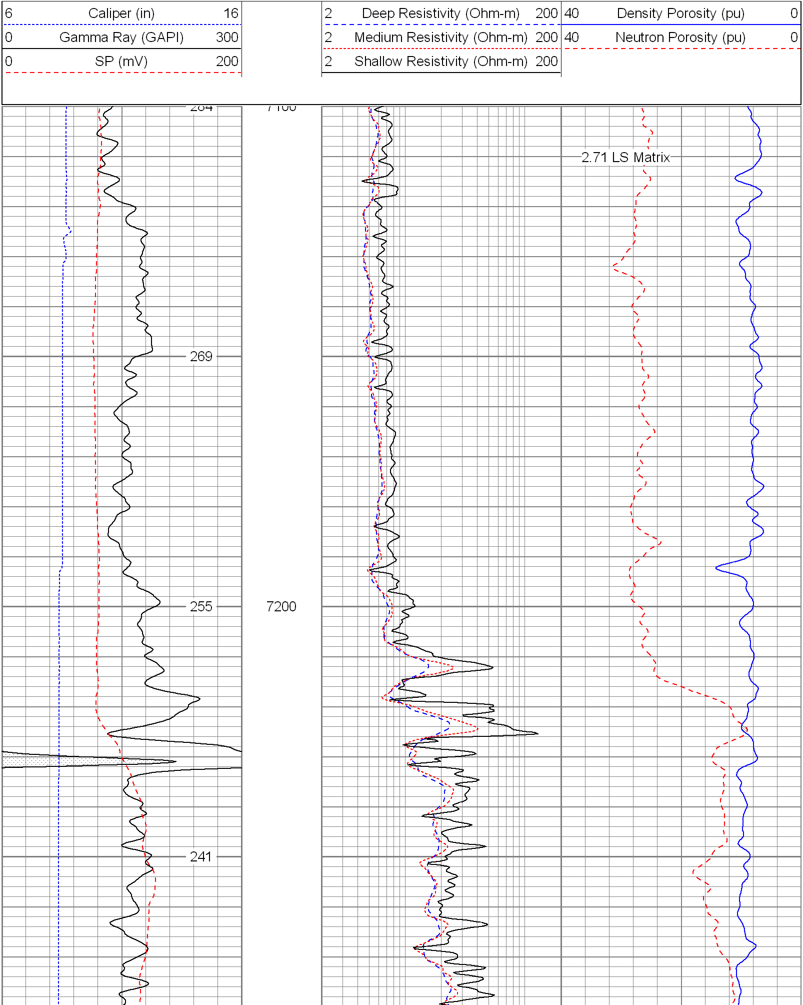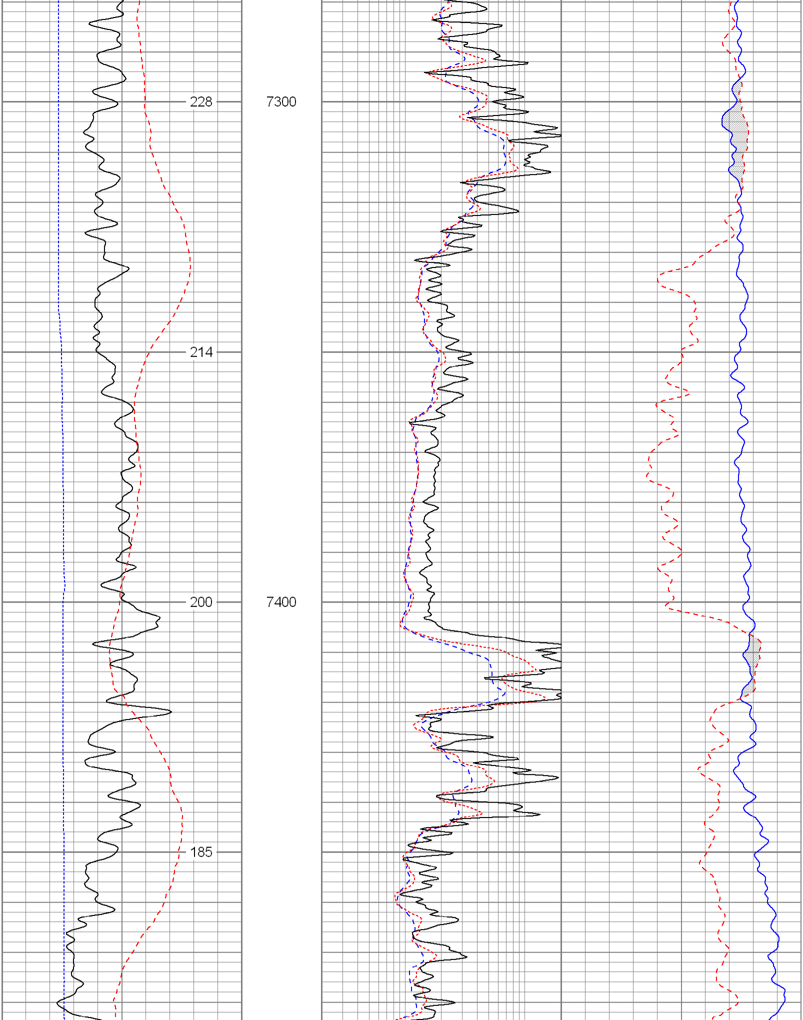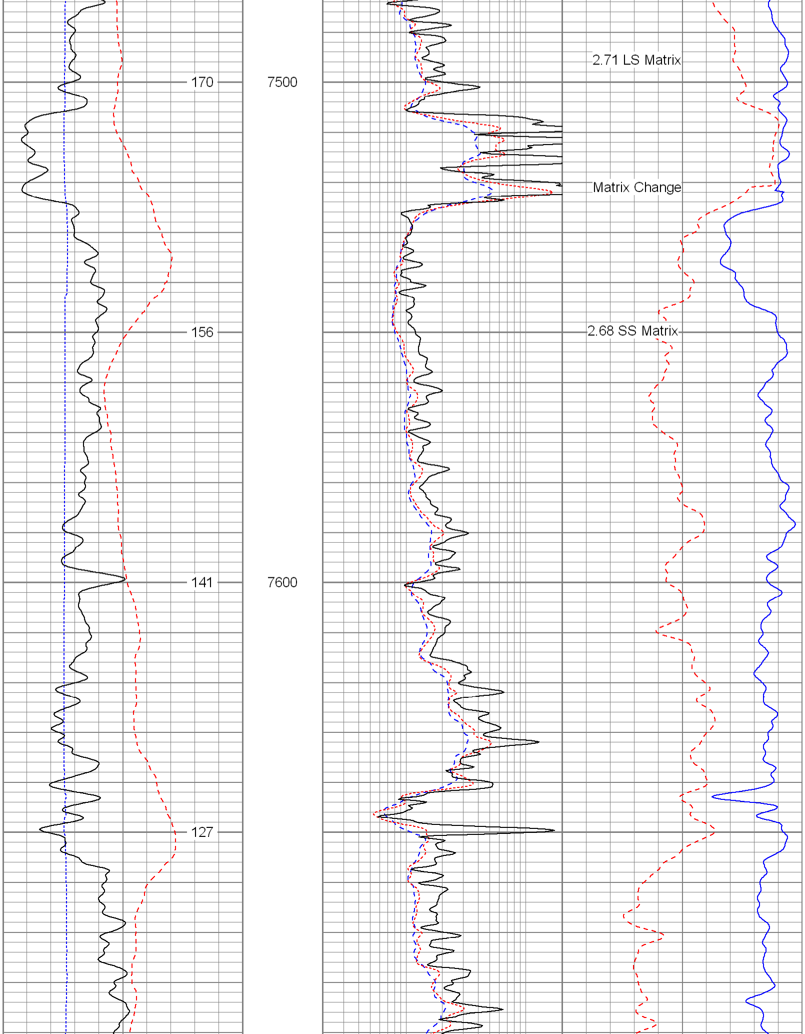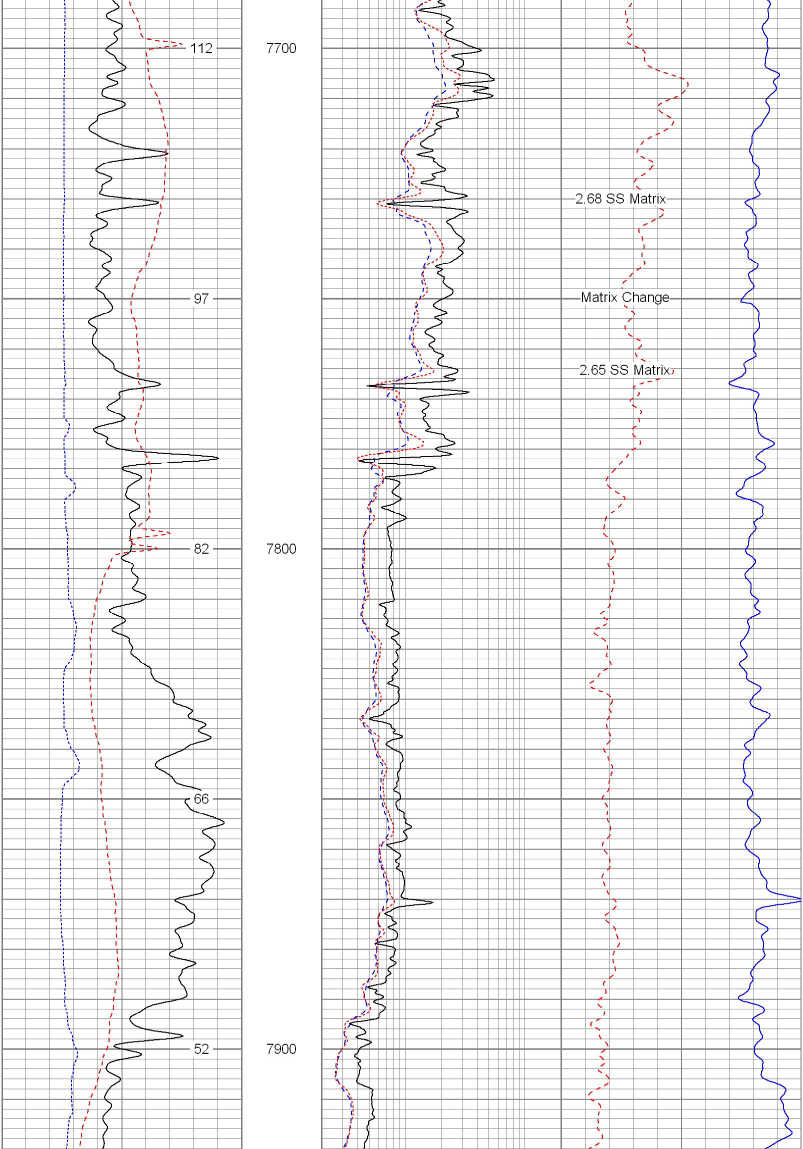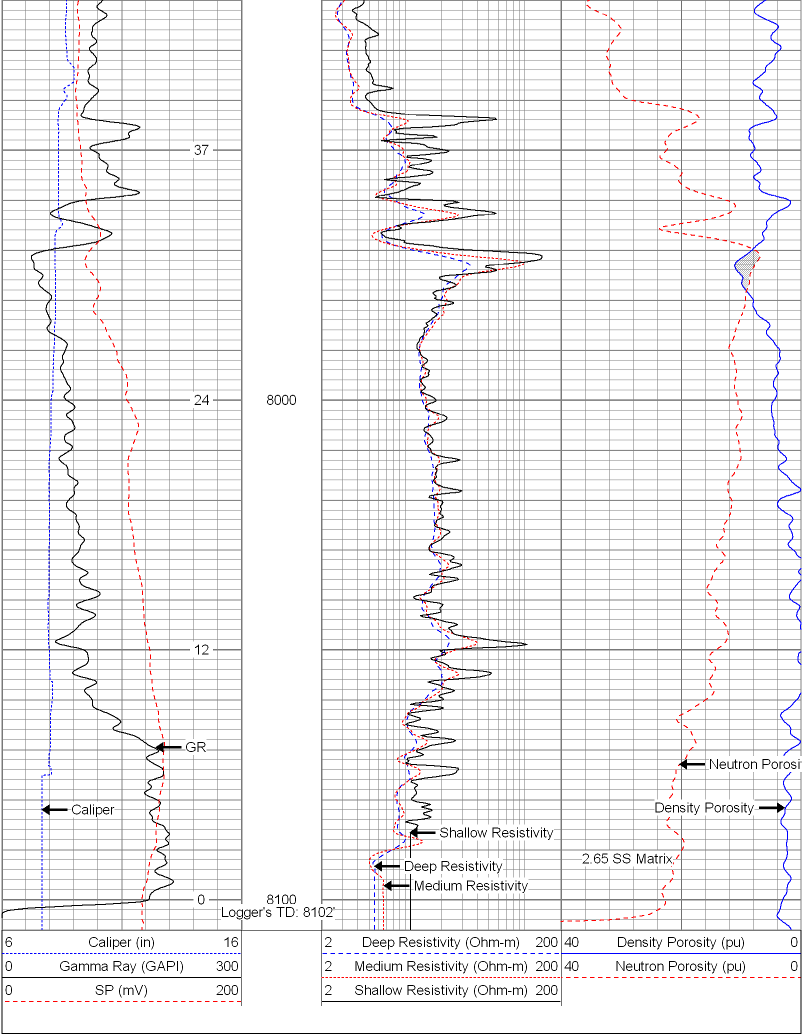
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0
284
7100
2.71 LS Matrix
269
255
7200
241