PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company EnCana Oil & Gas (USA) Inc
Well Bickler 4-4-34
Field Wattenberg
County Weld **State/Province** Colorado

Location
SHL: 2426' FSL & 2427' FWL NESW
BHL: 2625' FSL & 2590' FWL NE SW
Sec. 34, Twp. 1N, Rge. 68W

Other Services
None

Elevation
K.B. 5186
D.F. 5185
G.L. 5171

Permanent Datum GL Elevation 5171
Log Measured From KB
Drilling Measured From KB

Date	August 19, 2008		
Run Number	1		
Depth Driller	8648		
Depth Logger	8645		
Bottom Logged Interval	8645		
Top Log Interval	Casing		
Casing Driller	1095		
Casing Logger	1095		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 60		
pH / Fluid Loss	8.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.30 @ 68° F		
Rmf @ Meas. Temp	2.64 @ 68° F		
Rmc @ Meas. Temp	3.96 @ 68° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.27 @ 225° F		
Time Circulation Stopped	1815 8/18		
Time Logger on Bottom	0115		
Maximum Recorded Temperature	225° F		
Equipment Number	4420		
Location	Brighton, CO		
Recorded By	Matt Gill		
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

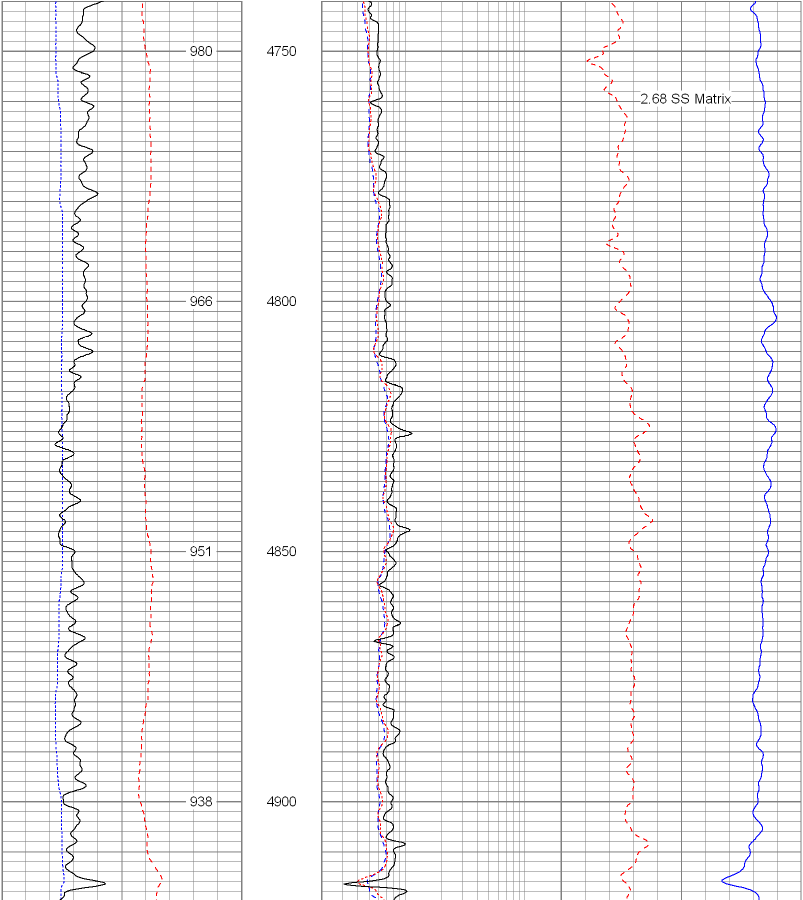
Annular volume calculated for 4-1/2" casing
Patterson UTI Rig 34
Thank you for using Phoenix Surveys!!
API #: 05-014-20648-00

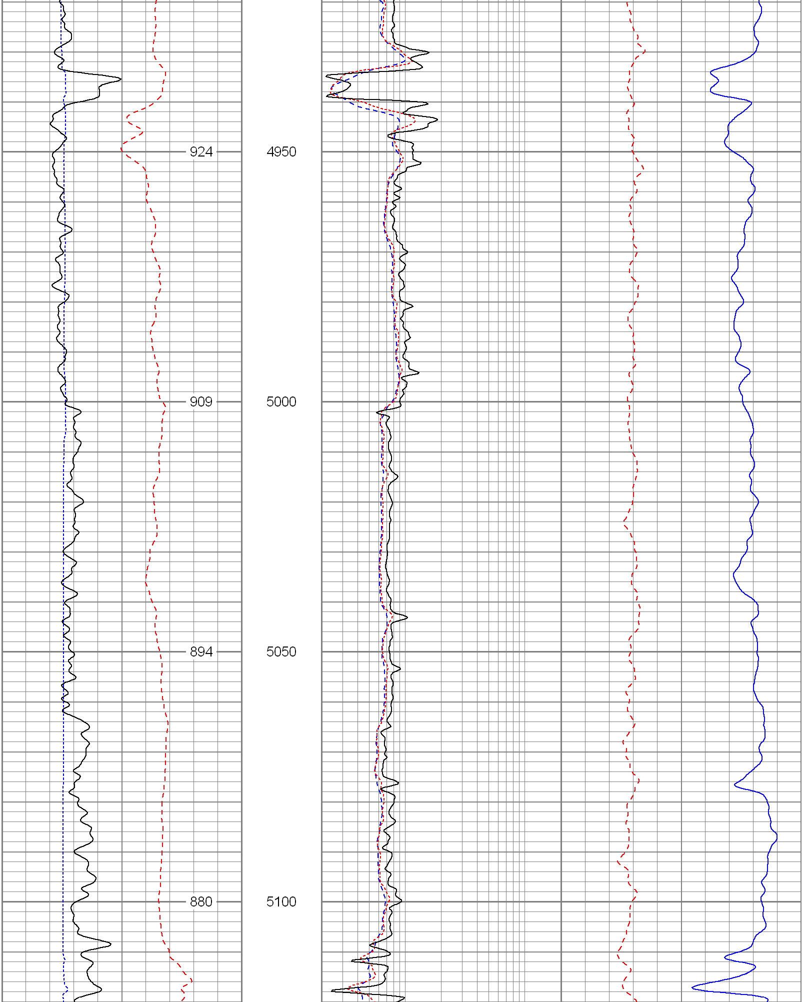
Database File:	9061.db
Dataset Pathname:	final
Presentation Format:	encana1
Dataset Creation:	Tue Aug 19 02:12:25 2008
Charted by:	Depth in Feet scaled 1:240

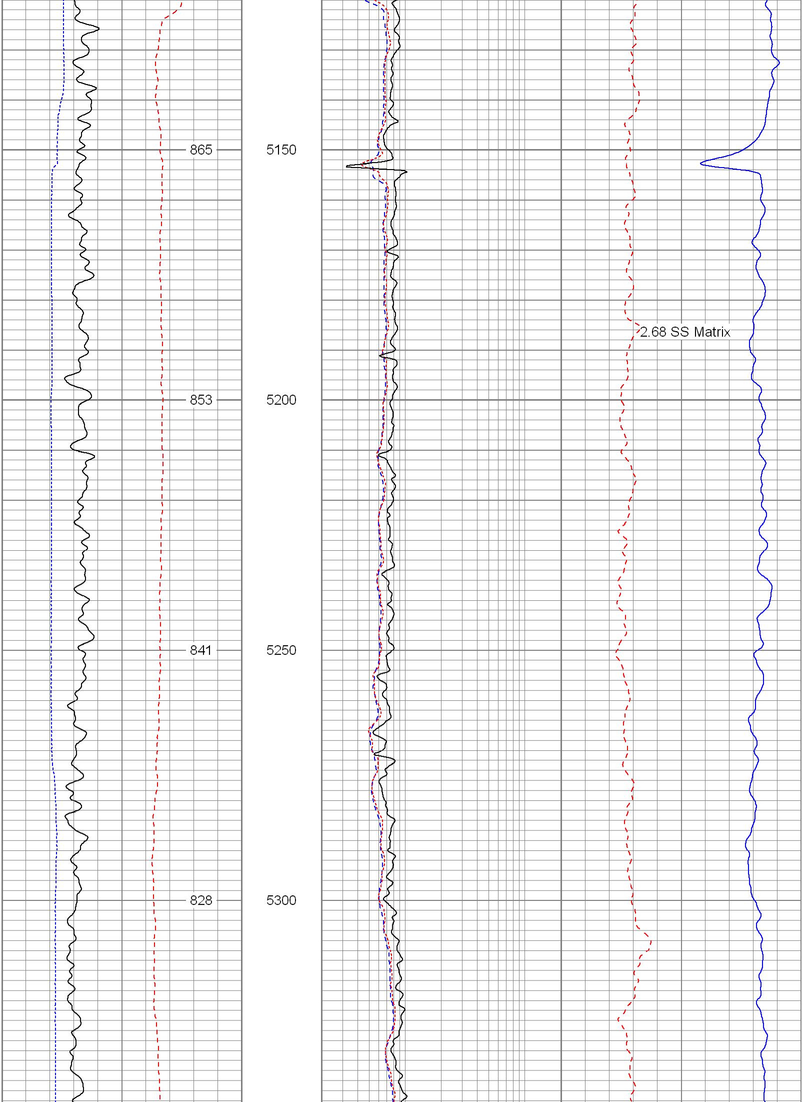
6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	300
80	SP (mV)	180

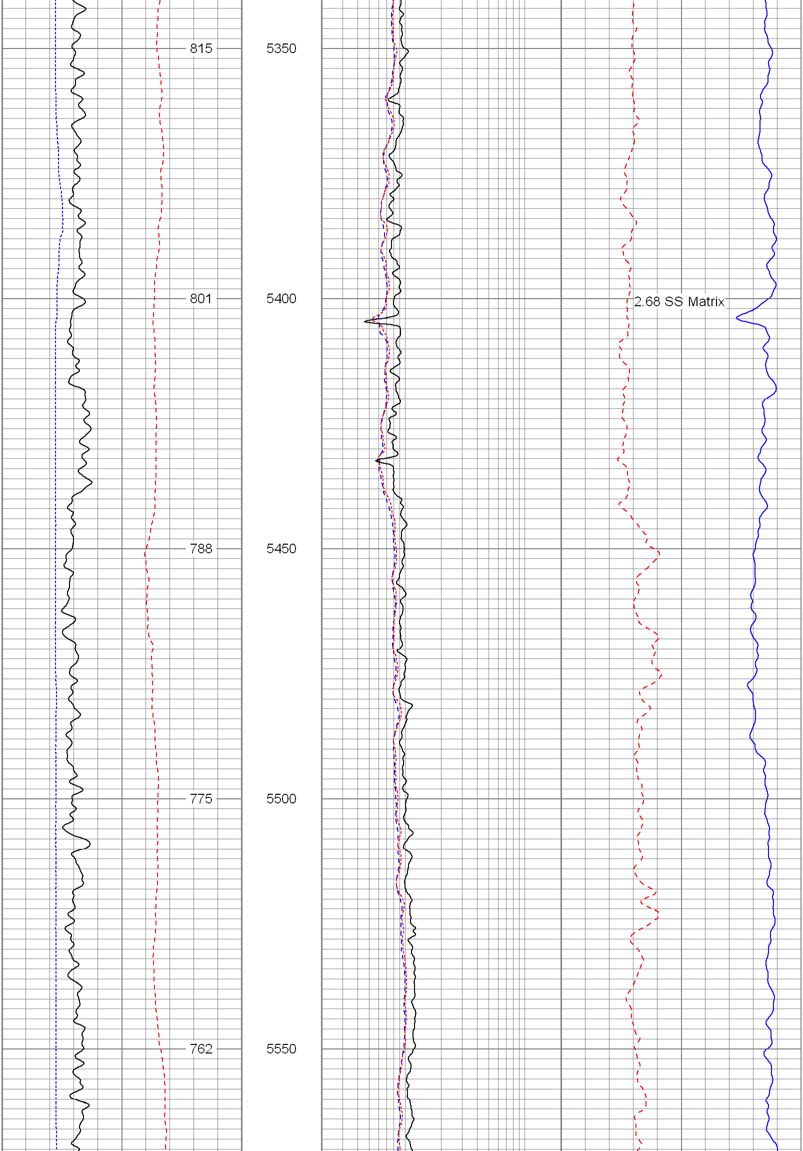
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

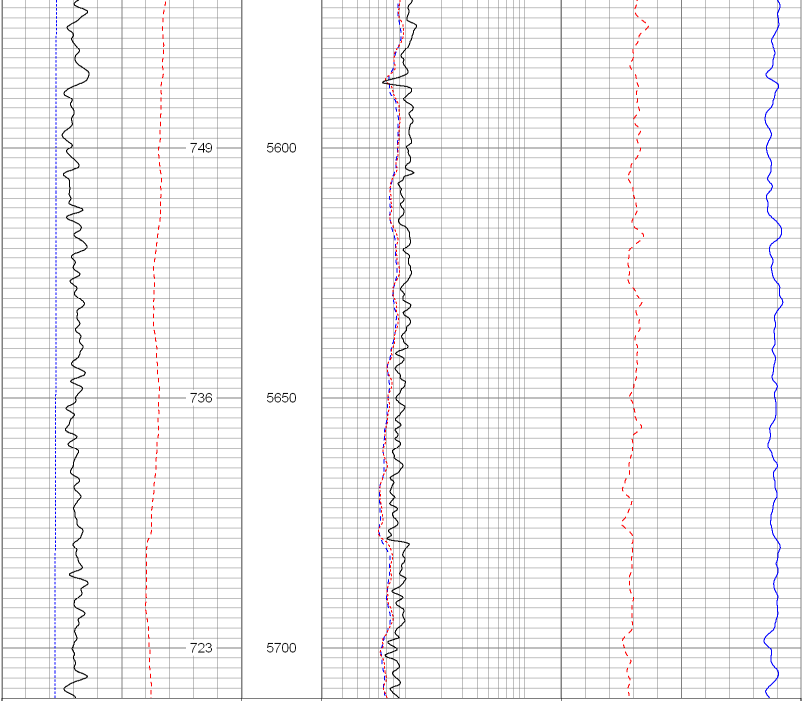
40	Density Porosity (pu)	0
40	Neutron Porosity (pu)	0







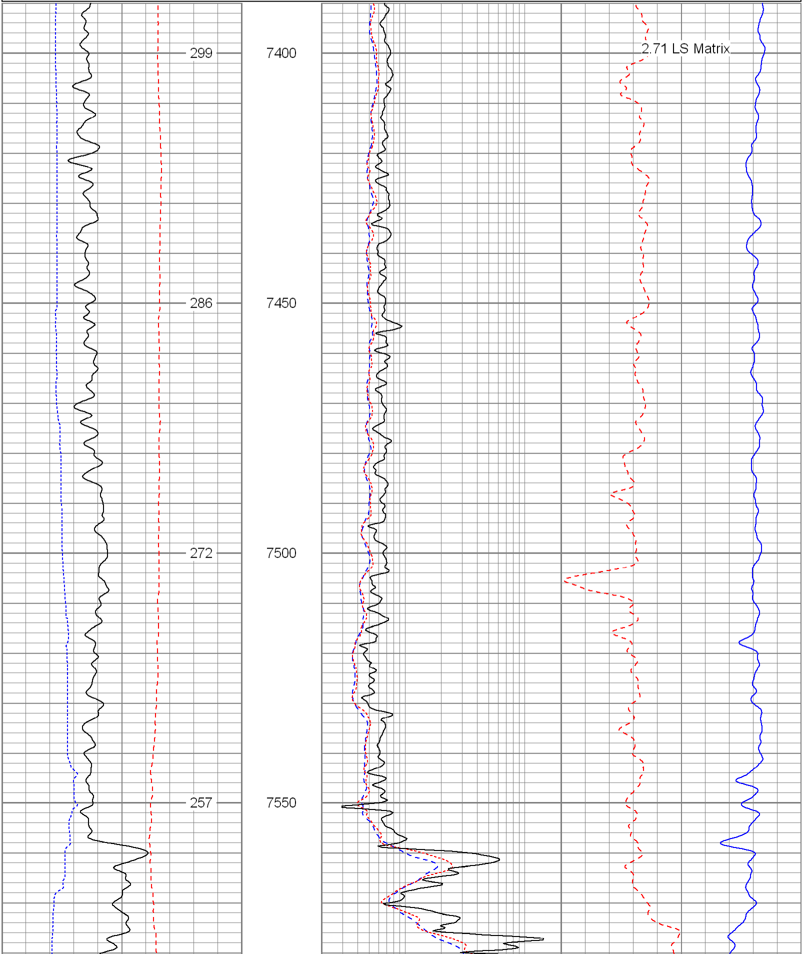


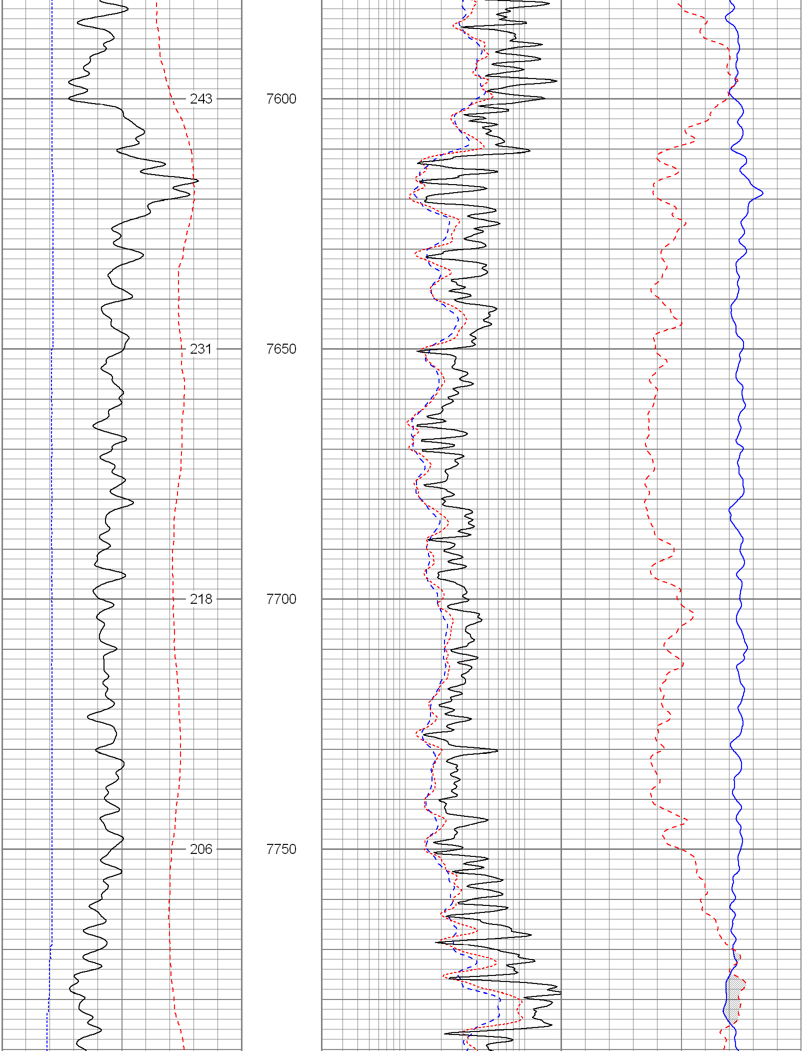


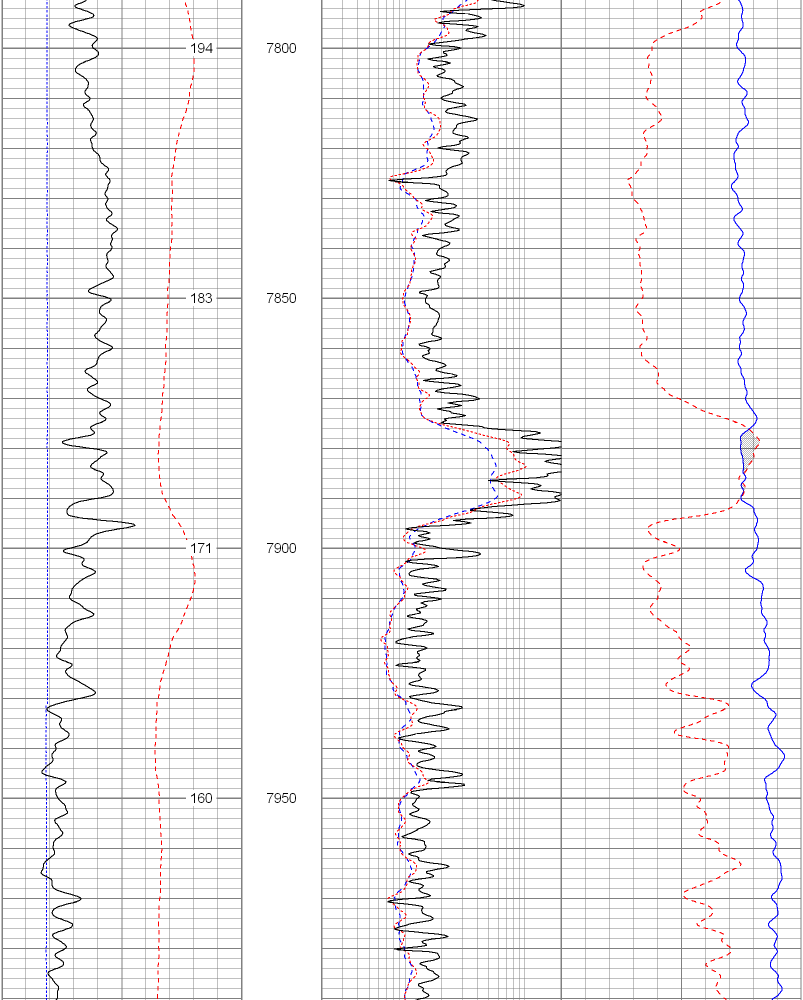
6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	40 Density Porosity (pu) 0
0 Gamma Ray (GAPI) 300	2 Medium Resistivity (Ohm-m) 200	40 Neutron Porosity (pu) 0
80 SP (mV) 180	2 Shallow Resistivity (Ohm-m) 200	

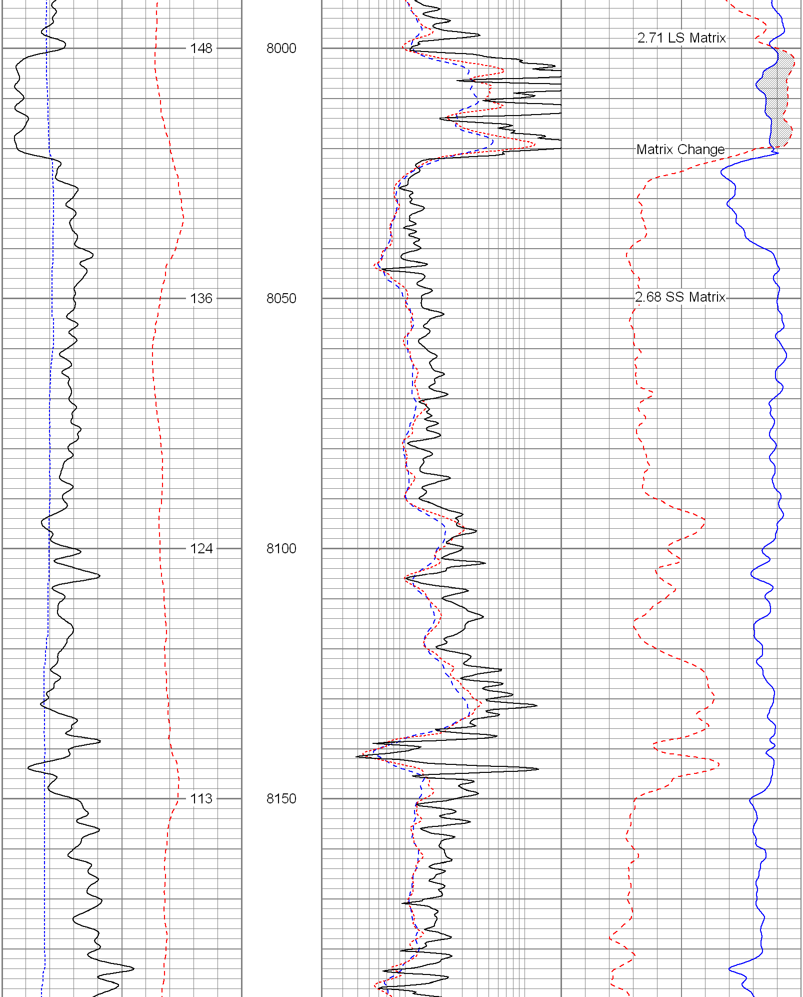
Database File: 9061.db
Dataset Pathname: final
Presentation Format: encana
Dataset Creation: Tue Aug 19 02:12:25 2008
Charted by: Depth in Feet scaled 1:240

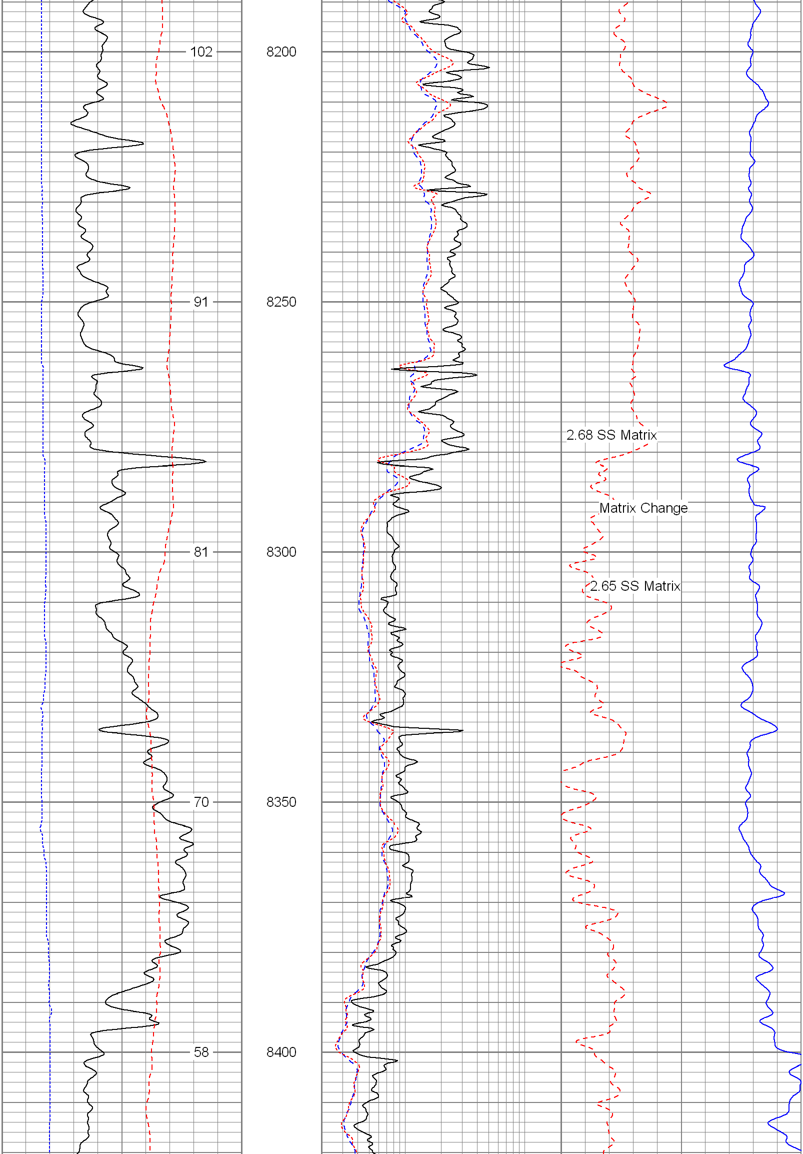
6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	40 Density Porosity (pu) 0
0 Gamma Ray (GAPI) 300	2 Medium Resistivity (Ohm-m) 200	40 Neutron Porosity (pu) 0
0 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	

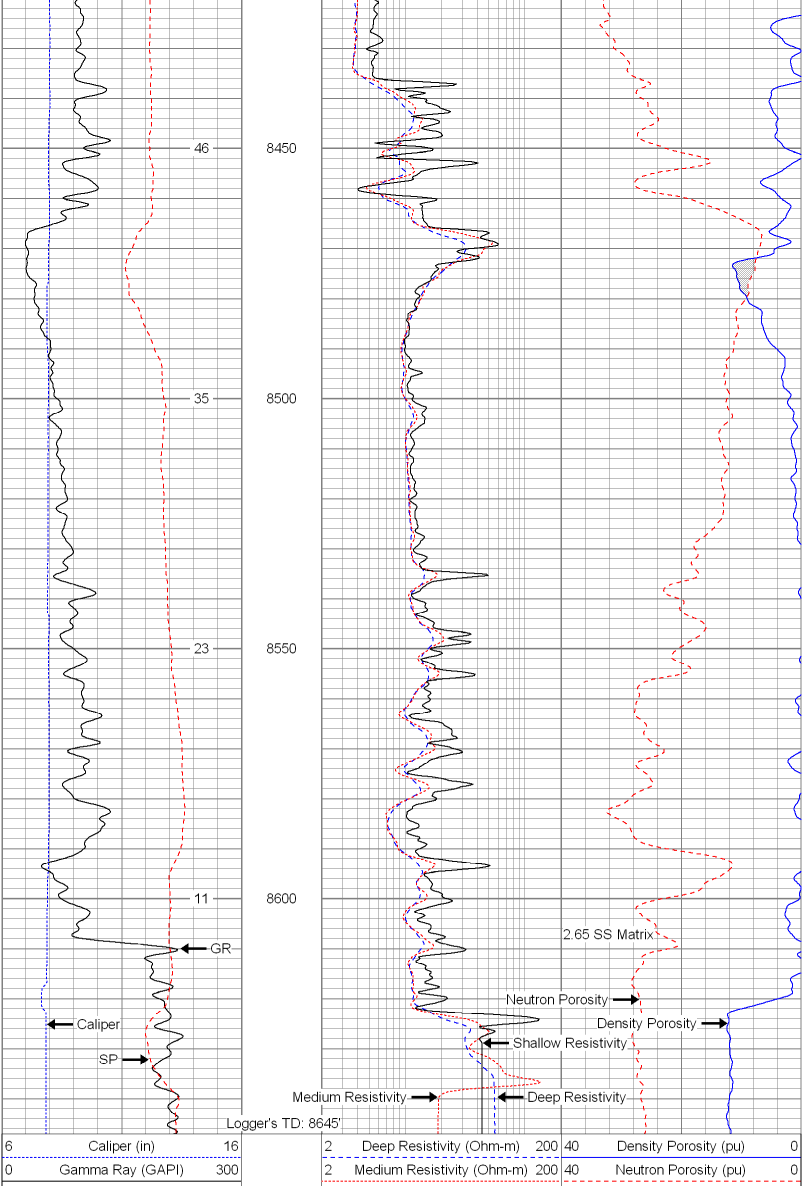












0 SP (mV) 200

2 Shallow Resistivity (Ohm-m) 200

Database File:	9061.db
Dataset Pathname:	final
Presentation Format:	cdl1enc
Dataset Creation:	Tue Aug 19 02:12:25 2008
Charted by:	Depth in Feet scaled 1:240

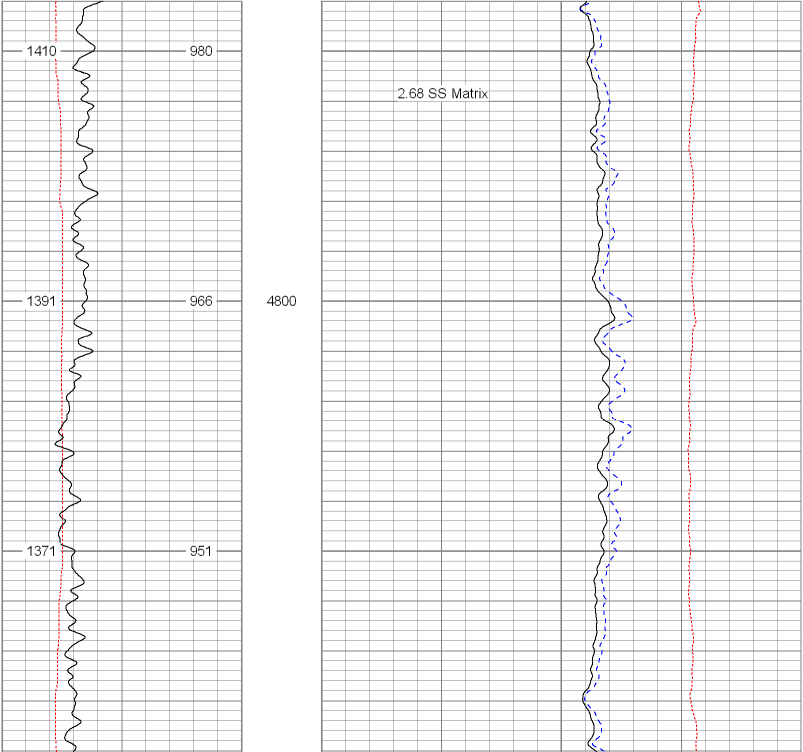
6 Caliper (in) 16

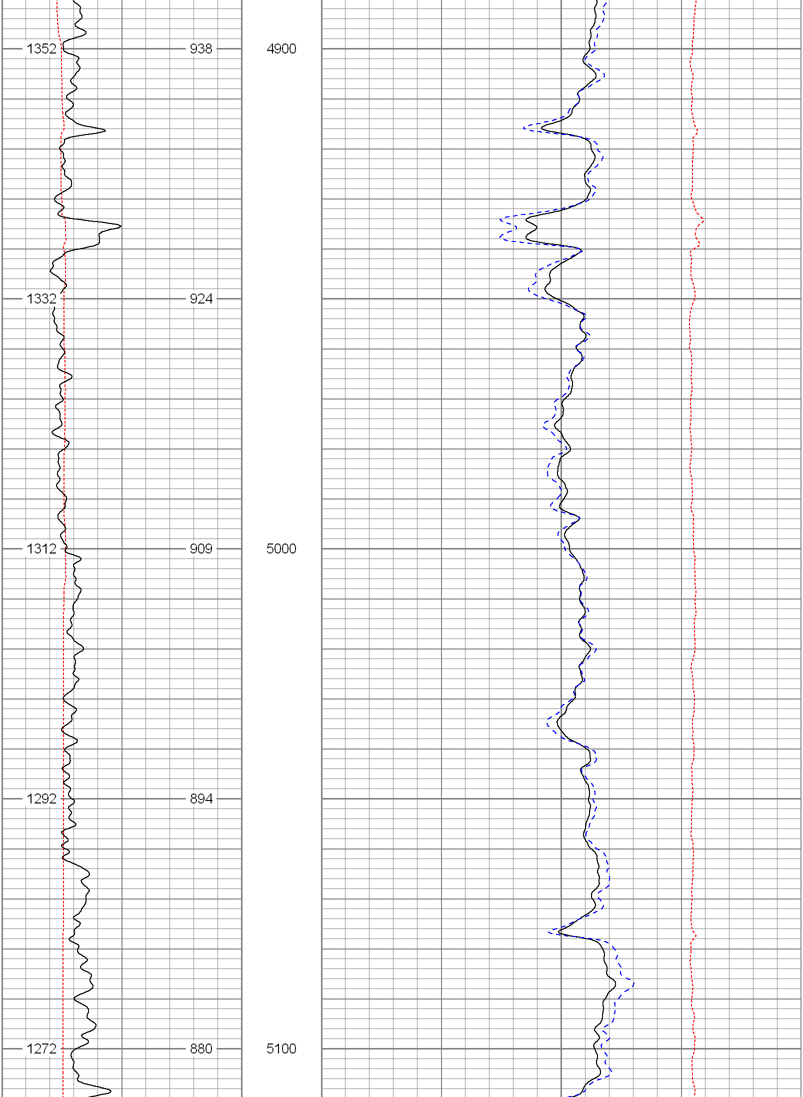
0 Gamma Ray (GAPI) 300

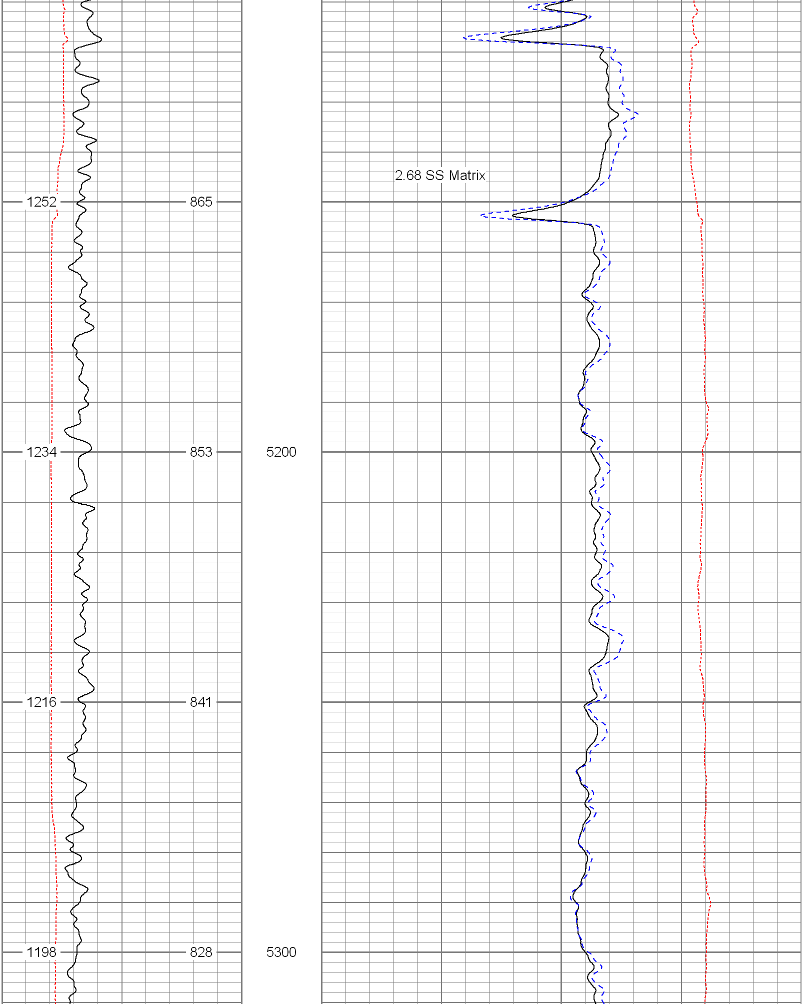
2 Bulk Density (g/cc) 3

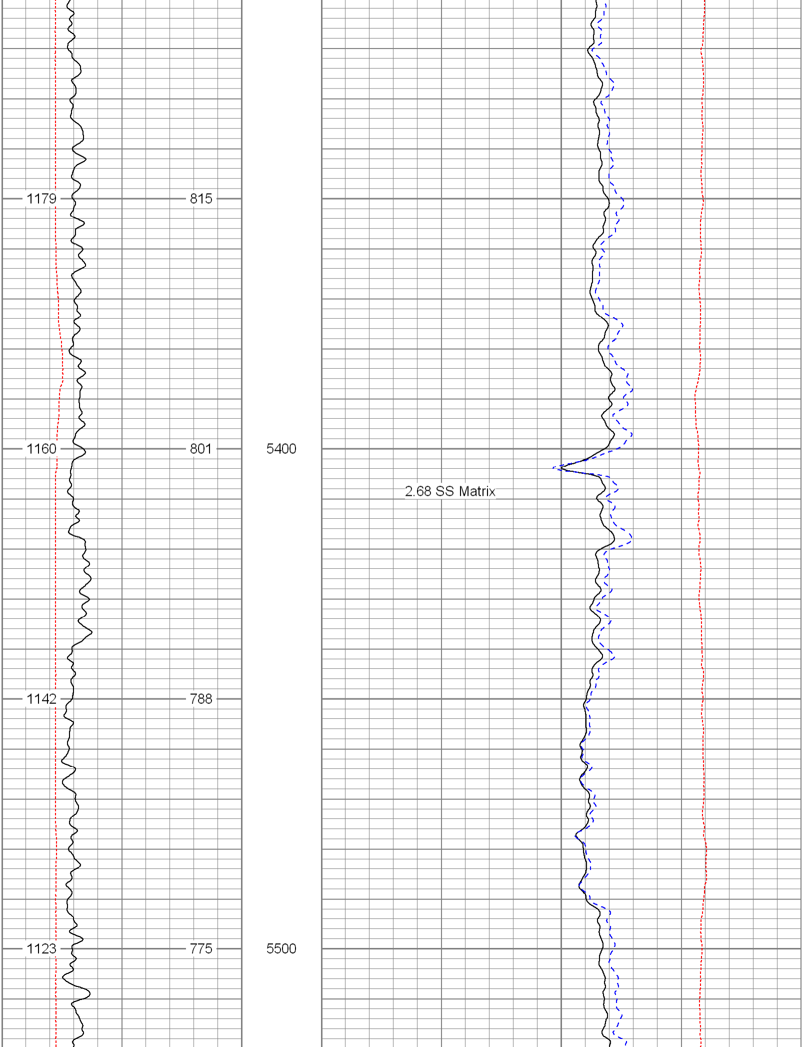
30 Density Porosity (pu) -10

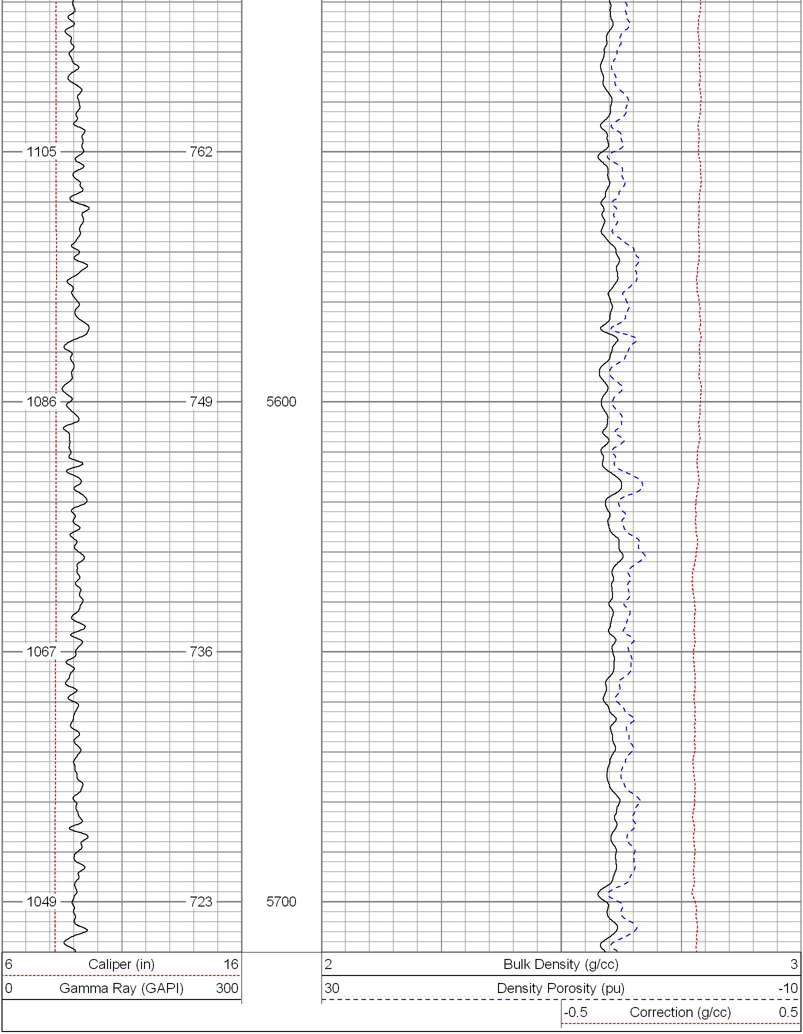
-0.5 Correction (g/cc) 0.5











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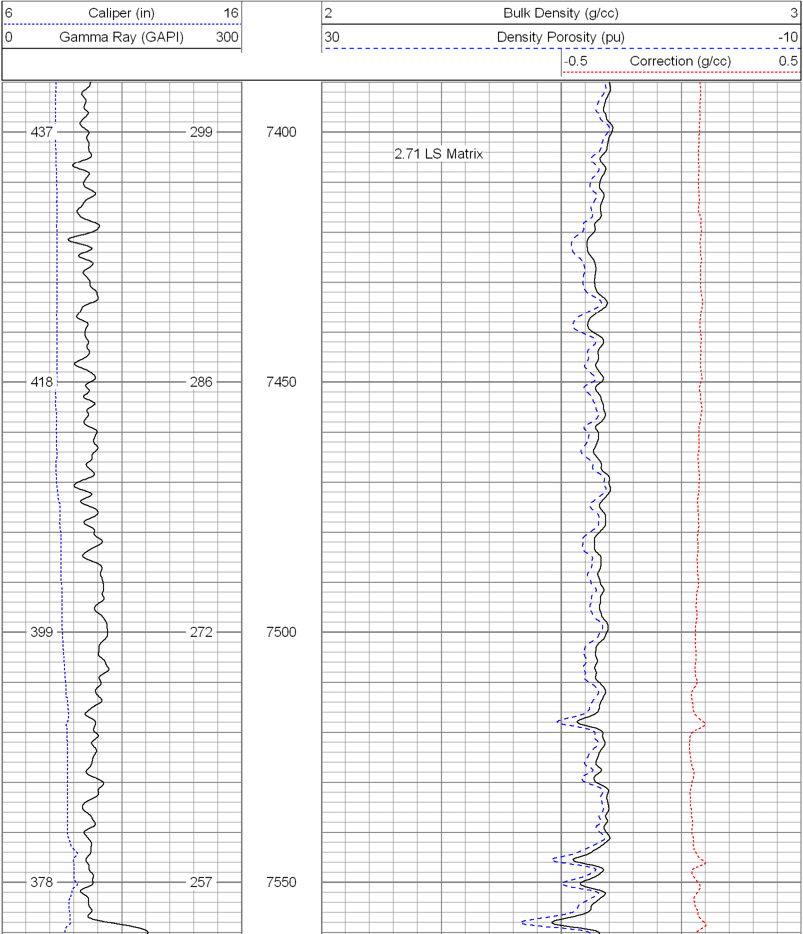

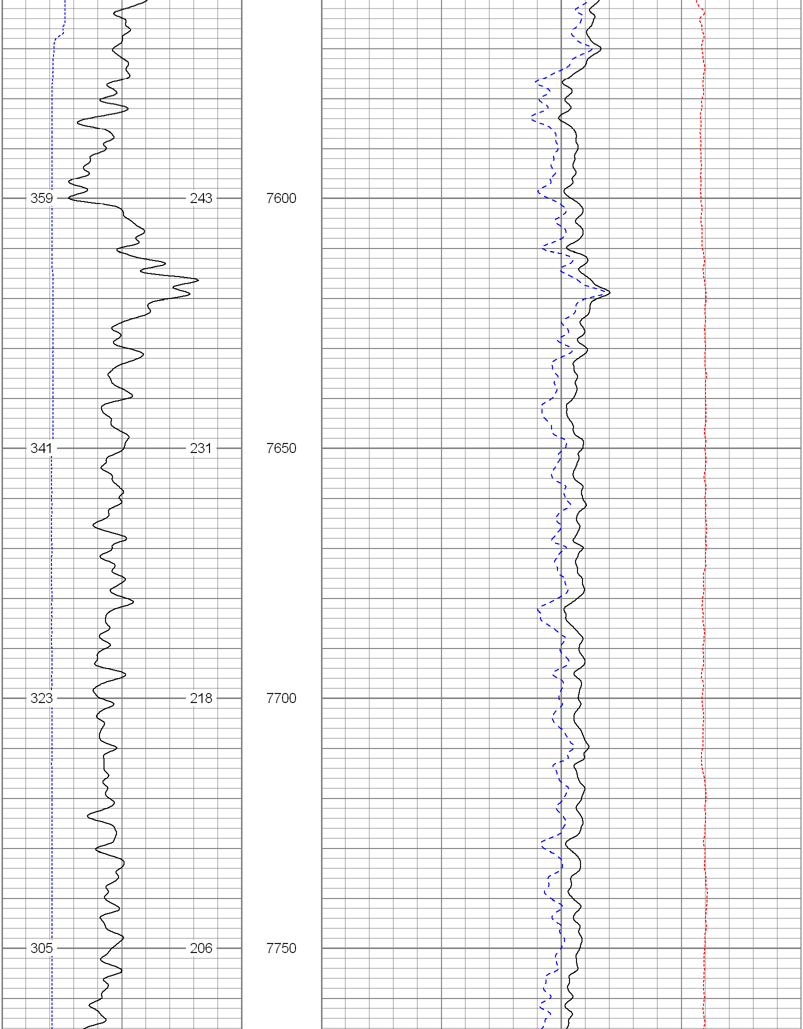

288
194
7800
271
183
7850
254
171
7900
237
160
7950
220
148
8000
2.71 LS Matrix
Matrix Change
2.68 SS Matrix
202
136
8050
185
124
8100
168
113
8150
152
102
8200
136
91
8250
2.68 SS Matrix
Matrix Change
119
81
8300
2.65 SS Matrix
103
70
8350
86
58
8400
68
46
8450
51
35
8500
34
23
8550
17
11
8600
GR
2.65 SS Matrix
Bulk Density
Density Porosity
Caliper
Correctio
Logger's TD: 8645'
6
Caliper (in)
16
0
Gamma Ray (GAPI)
300
2
Bulk Density (g/cc)
3
30
Density Porosity (pu)
-10
-0.5
Correction (g/cc)
0.5