PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG

Company
Well
Field
County
State/Prv

Company	Noble Energy Production Inc.		
Well	Noffsinger F 2-5		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location
SHL: 679' FNL & 630' FWL NW NW
BHL: 1939' FNL & 640' FWL SW NW
Sec. 2, Twp. 5N, Rge. 65W

Other Services
Dual
Induction

Permanent Datum	GL	Elevation	4654
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4667
D.F. 4667
G.L. 4654

Date	December 26, 2007		
Run Number	1		
Depth Driller	7295		
Depth Logger	7291		
Bottom Logged Interval	7271		
Top Log Interval	2610		
Casing Driller	482		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 62		
pH / Fluid Loss	8.5 / 7.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	4.21 @ 65° F		
Rmf @ Meas. Temp	3.16 @ 65° F		
Rmc @ Meas. Temp	5.26 @ 65° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.30 @ 210° F		
Time Circulation Stopped	0415		
Time Logger on Bottom	1100		
Maximum Recorded Temperature	210° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Jim Boyd		

<<< Fold Here >>>

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

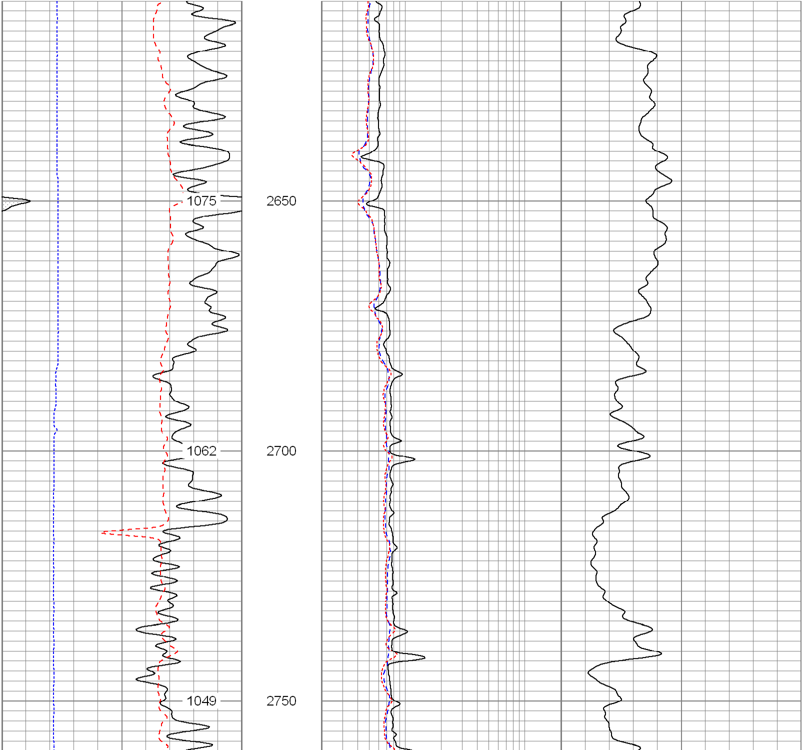
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 136
Thank you for using Phoenix Surveys!!
API #: 05-123-26428-00

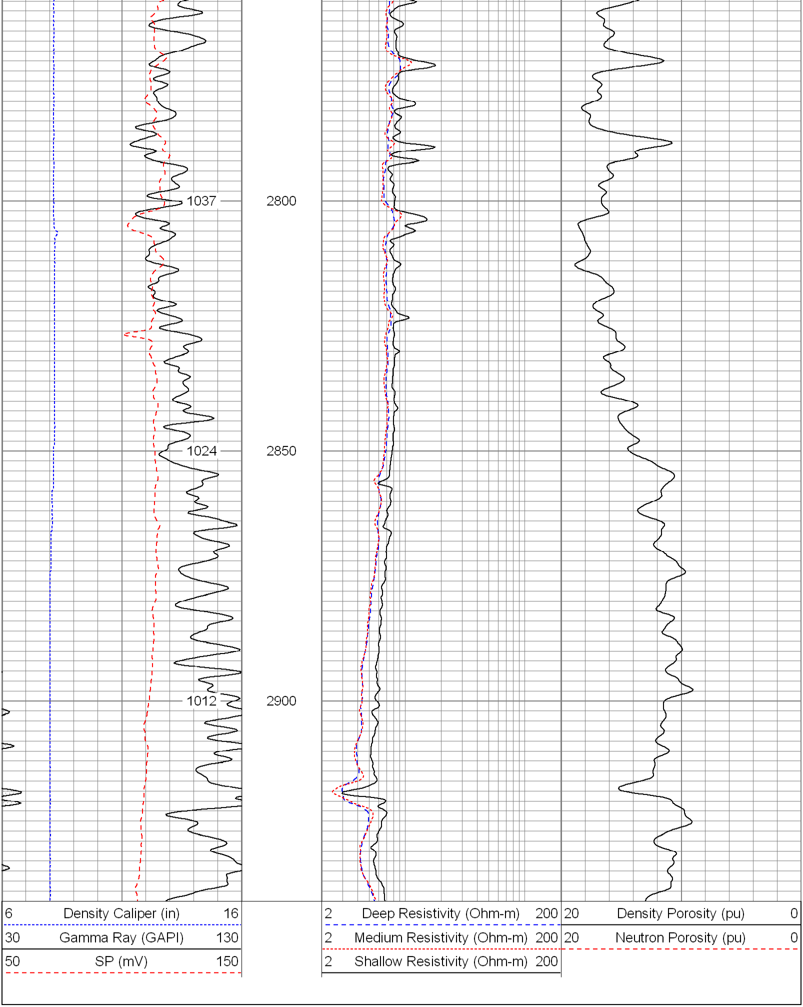
Database File:	8117.db
Dataset Pathname:	pass4.4
Presentation Format:	pdc1
Dataset Creation:	Wed Dec 26 12:07:40 2007
Charted by:	Depth in Feet scaled 1:240

6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
50	SP (mV)	150

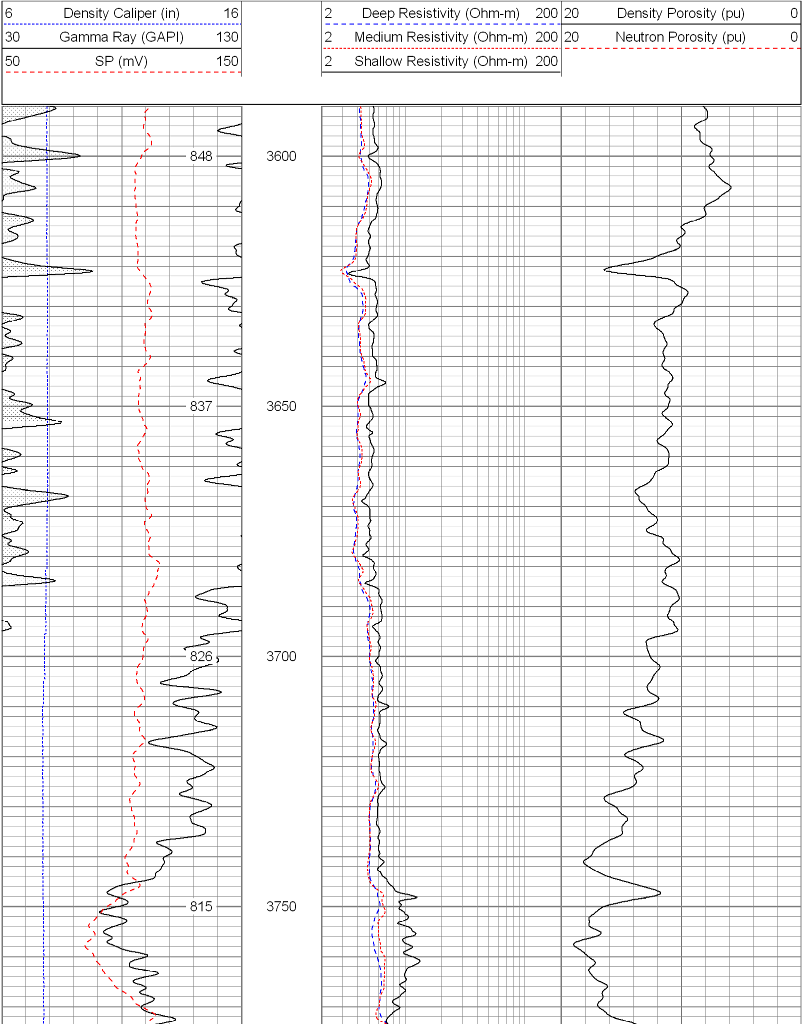
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

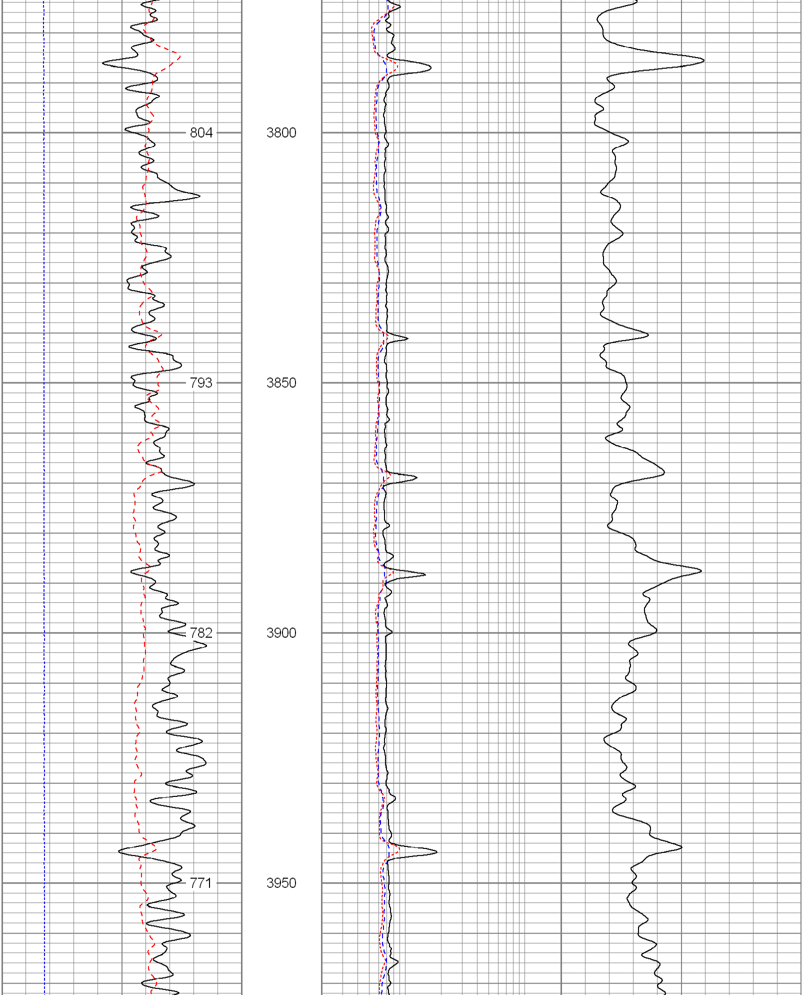
20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

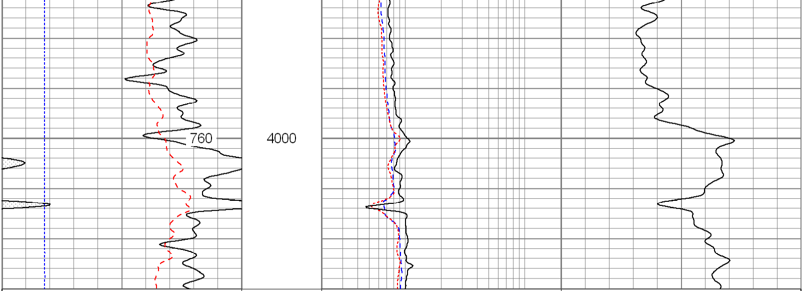




Database File: 8117.db
Dataset Pathname: pass4.4
Presentation Format: pdc1
Dataset Creation: Wed Dec 26 12:07:40 2007
Charted by: Depth in Feet scaled 1:240



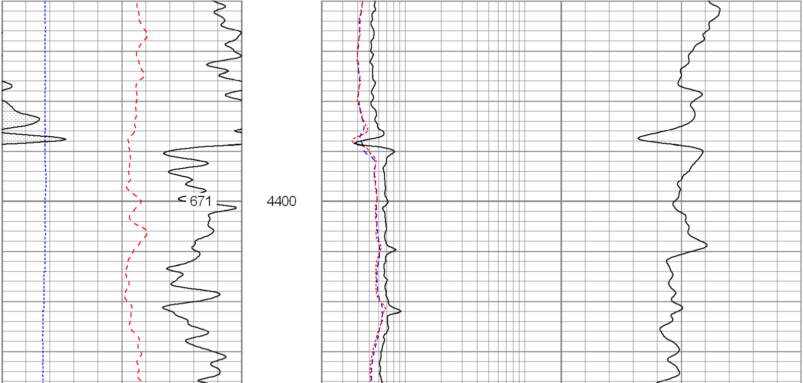


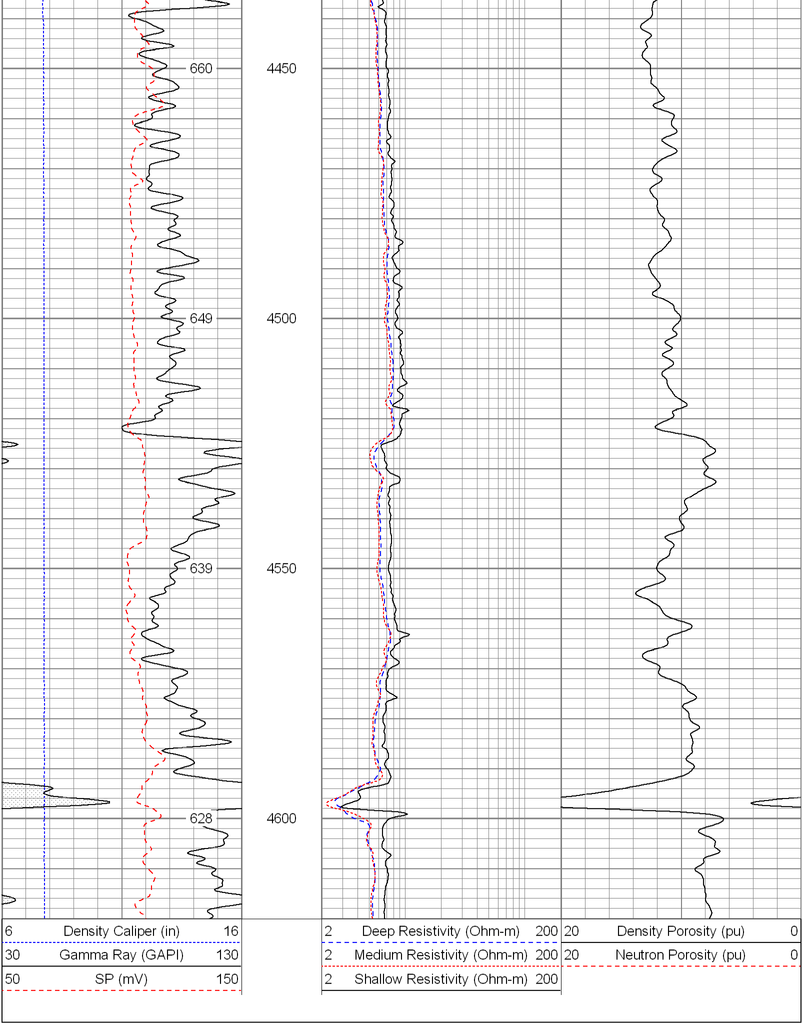


6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
50	SP (mV)	150	2	Shallow Resistivity (Ohm-m)	200			

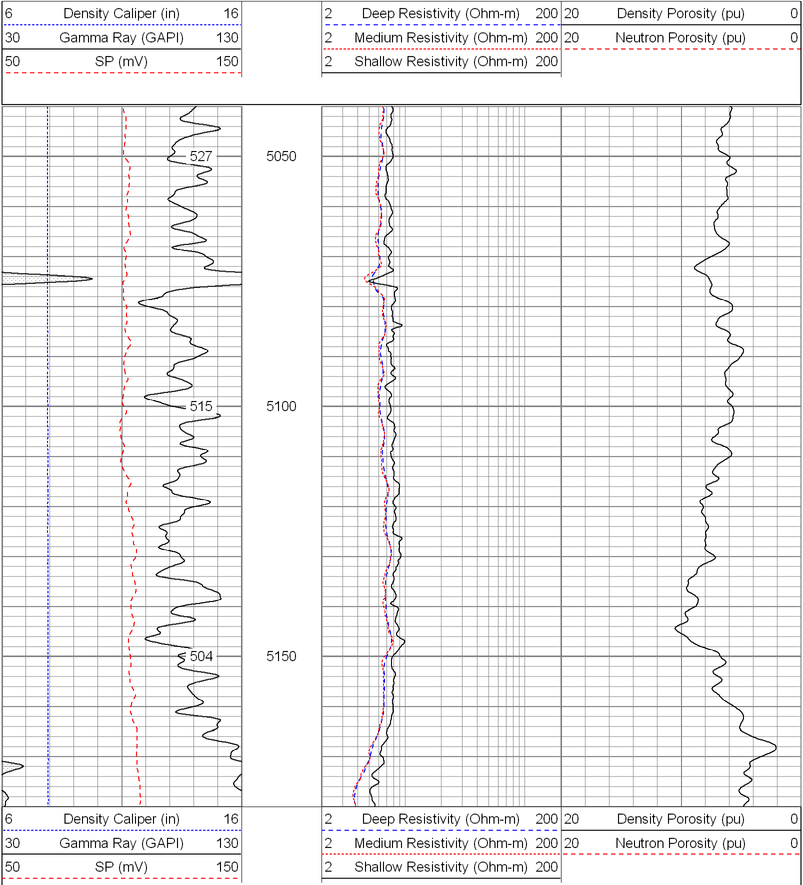
Database File: 8117.db
Dataset Pathname: pass4.4
Presentation Format: pdc1
Dataset Creation: Wed Dec 26 12:07:40 2007
Charted by: Depth in Feet scaled 1:240

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
50	SP (mV)	150	2	Shallow Resistivity (Ohm-m)	200			





Database File: 8117.db
Dataset Pathname: pass4.4
Presentation Format: pdc1
Dataset Creation: Wed Dec 26 12:07:40 2007
Charted by: Depth in Feet scaled 1:240

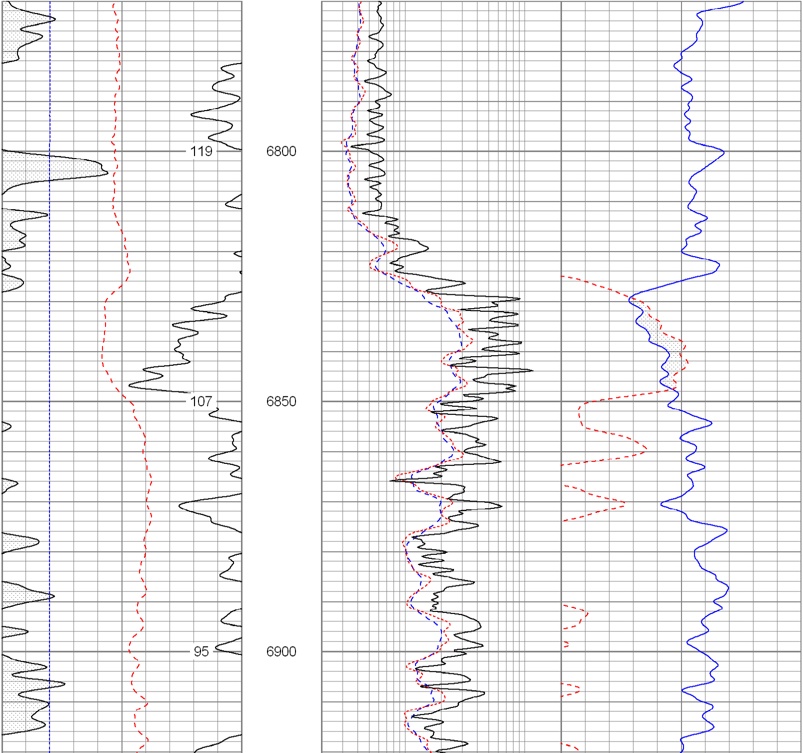


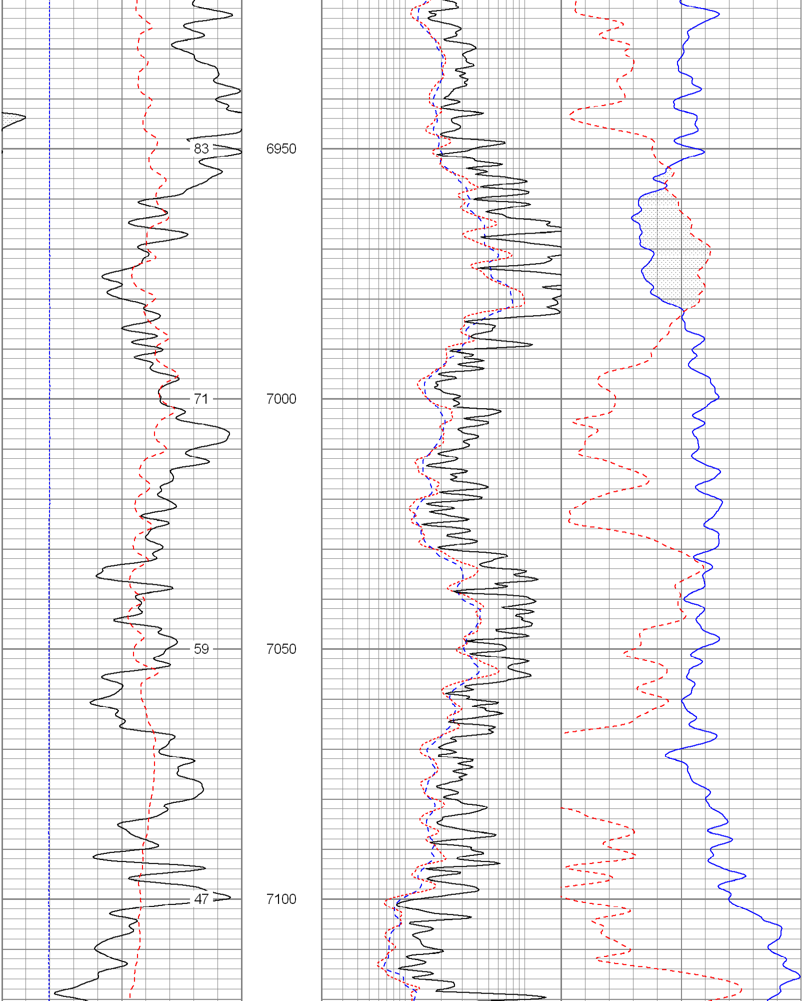
Database File: 8117.db
Dataset Pathname: pass4.4
Presentation Format: pdc
Dataset Creation: Wed Dec 26 12:07:40 2007
Charted by: Depth in Feet scaled 1:240

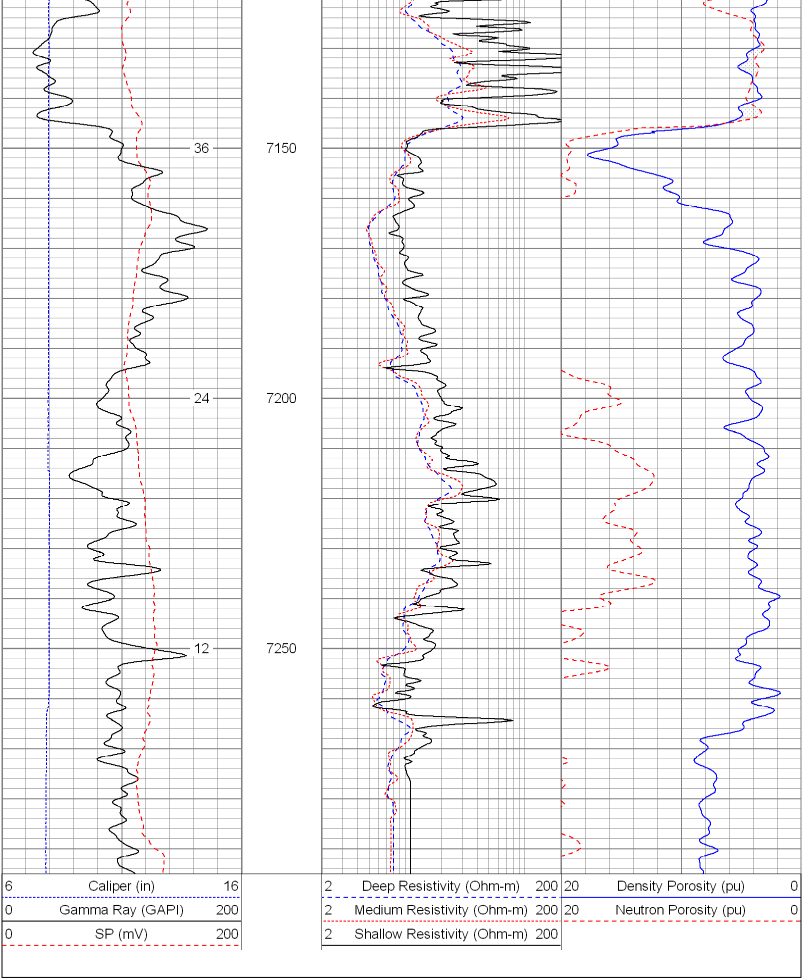
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200

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






36
24
12
7150
7200
7250
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
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