PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG

Company
Well
Field
County
State/Prv

Company	Orr Energy, LLC		
Well	Lowe 31-34D		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location
SHL: 1111' FSL & 1437' FEL
SW SE BHL: 649' FSL & 2158' FEL
Sec. 31, Twp. 6N, Rge. 66W

Other Services
Dual
Induction

Elevation
K.B. 4725
D.F. 4724
G.L. 4719

Permanent Datum	GL	Elevation	4719
Log Measured From	KB		
Drilling Measured From	KB		

Date	March 05 , 2007		
Run Number	1		
Depth Driller	7740		
Depth Logger	7747		
Bottom Logged Interval	7727		
Top Log Interval	2350		
Casing Driller	864		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.2 / 65		
pH / Fluid Loss	9.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.51 @ 67° F		
Rmf @ Meas. Temp	2.63 @ 67° F		
Rmc @ Meas. Temp	4.39 @ 67° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.11 @ 211° F		
Time Circulation Stopped	0430		
Time Logger on Bottom	1615		
Maximum Recorded Temperature	211° F		
Equipment Number	4400		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Rick Grimmette	Mark Scanniello	

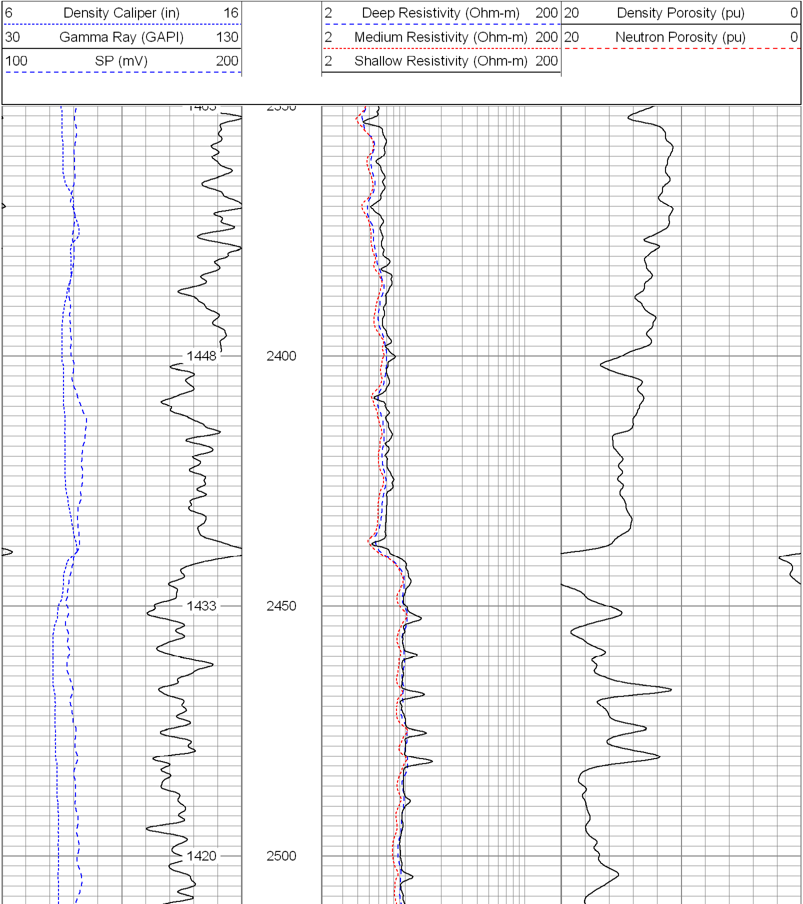
<<< Fold Here >>>

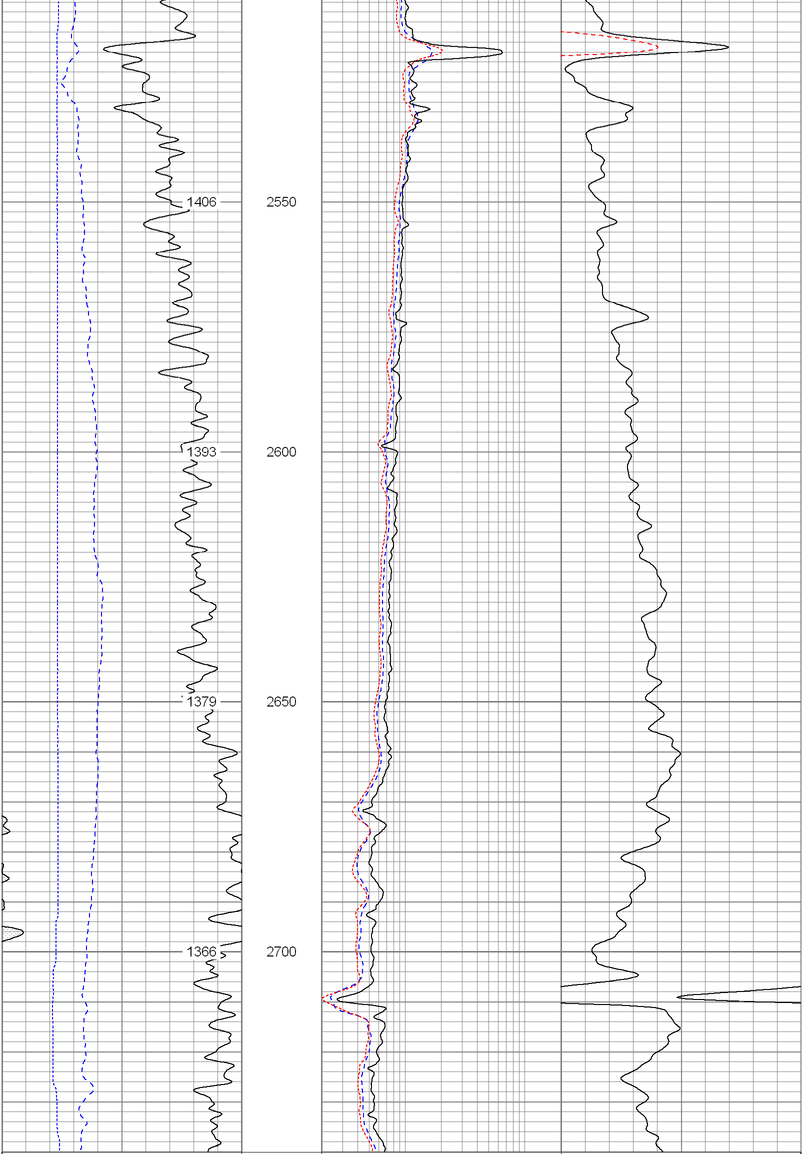
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Lags Drilling Rig # 111
Thank you for using Phoenix Surveys!!
API #: 05-123-24464-00

Database File: 6875.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Mon Mar 05 17:38:39 2007
Charted by: Depth in Feet scaled 1:240

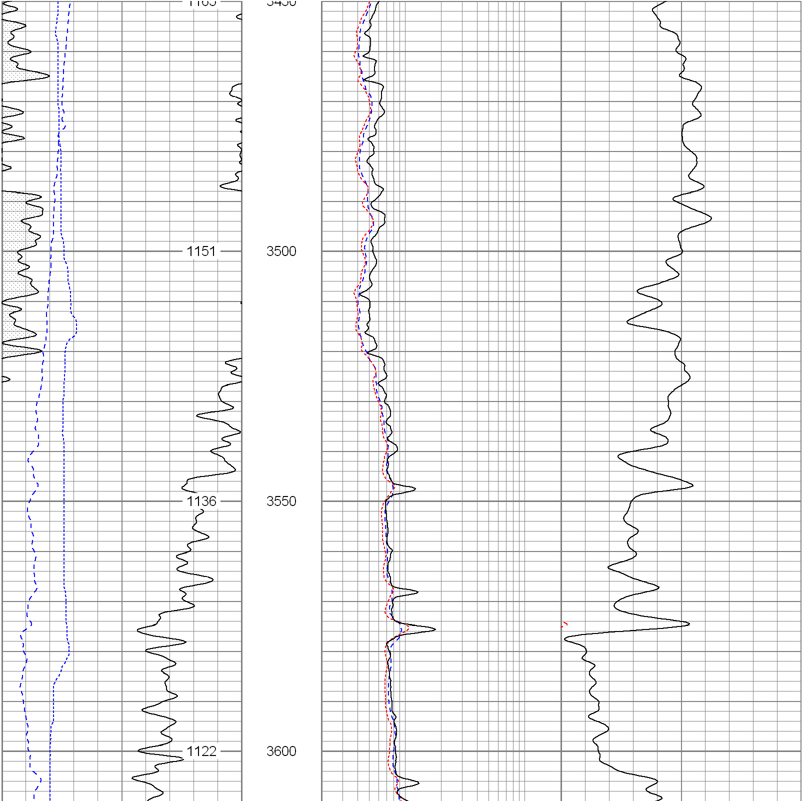


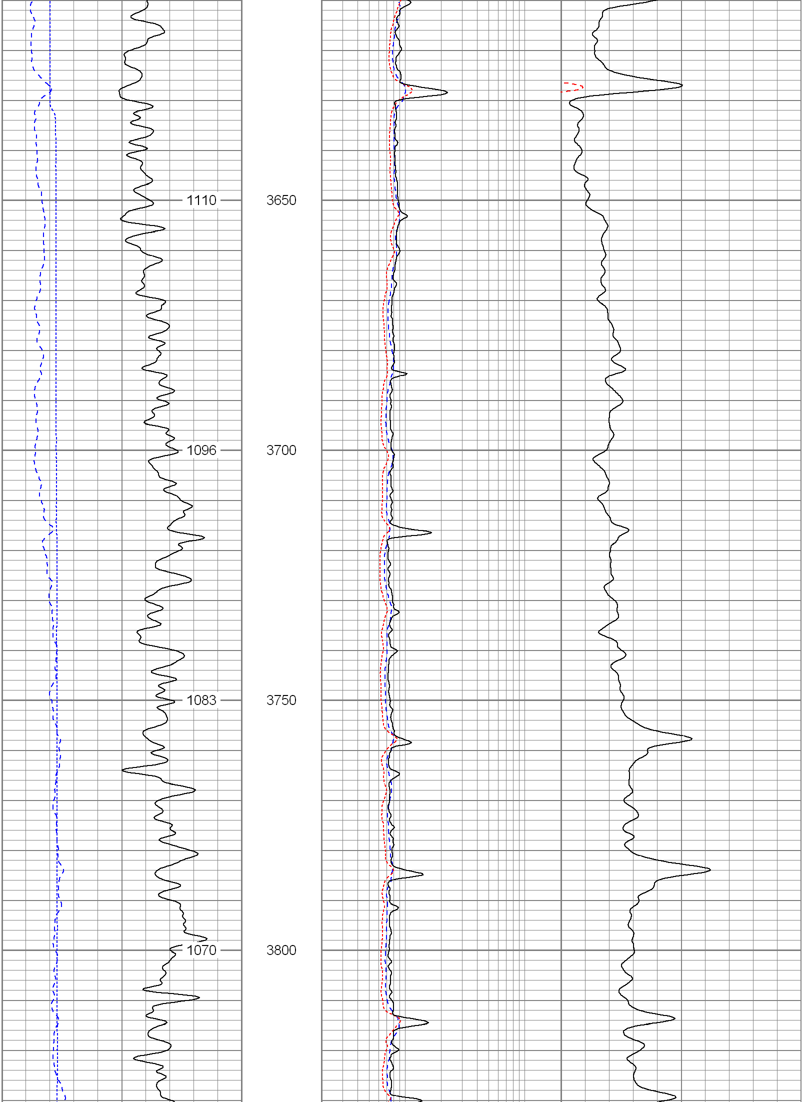


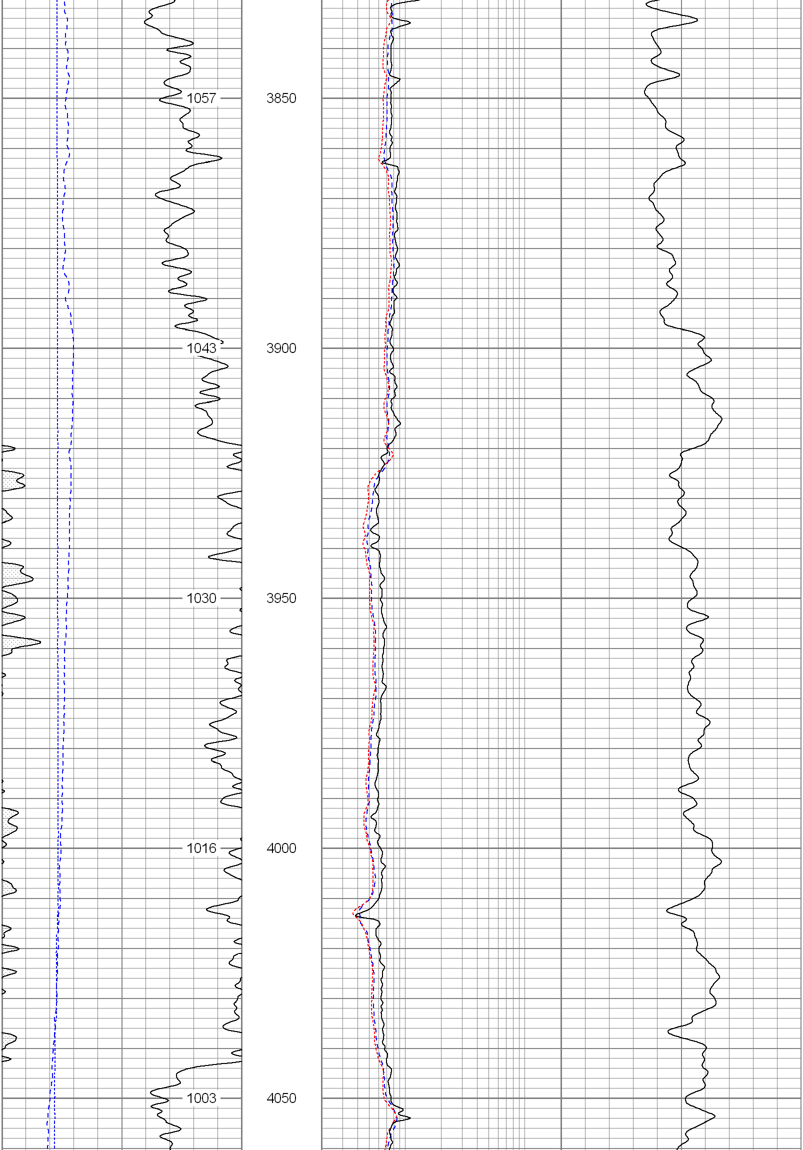
6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
100	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			

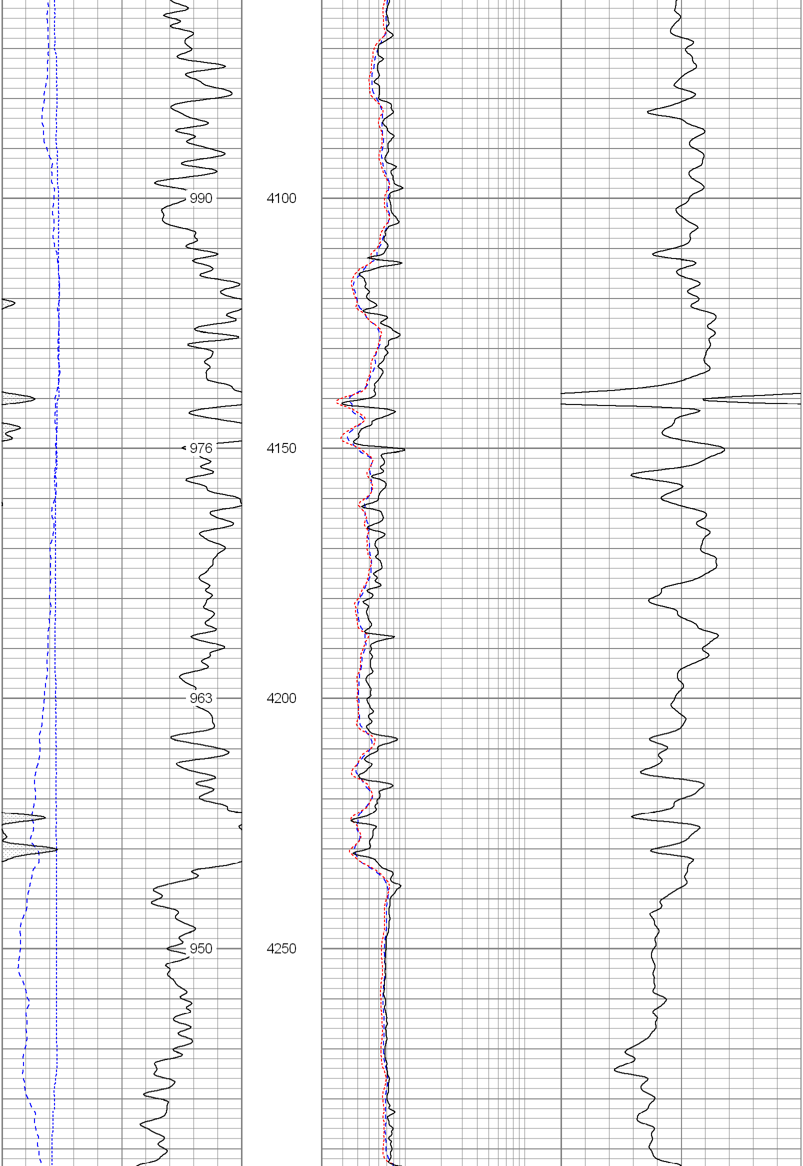
Database File:	6875.db
Dataset Pathname:	main
Presentation Format:	pdc1
Dataset Creation:	Mon Mar 05 17:38:39 2007
Charted by:	Depth in Feet scaled 1:240

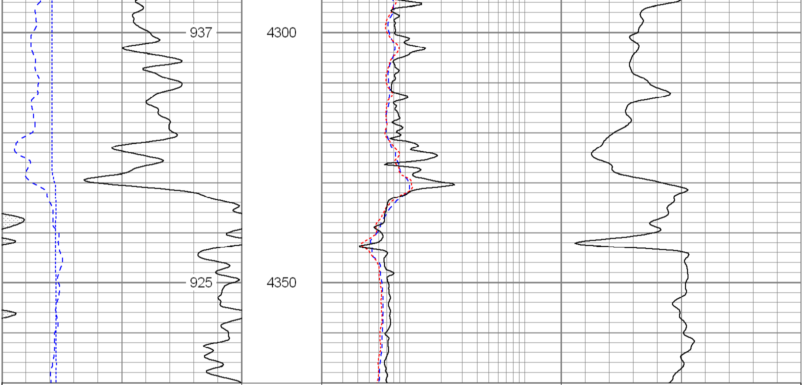
6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
100	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			







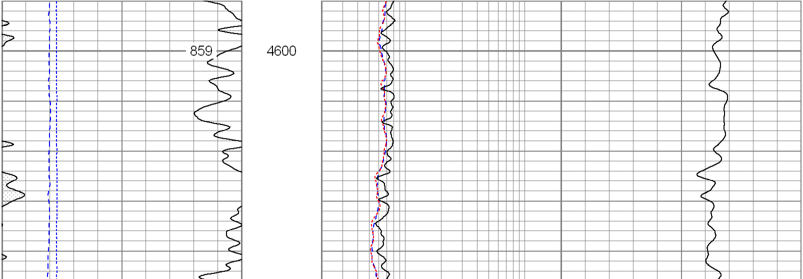


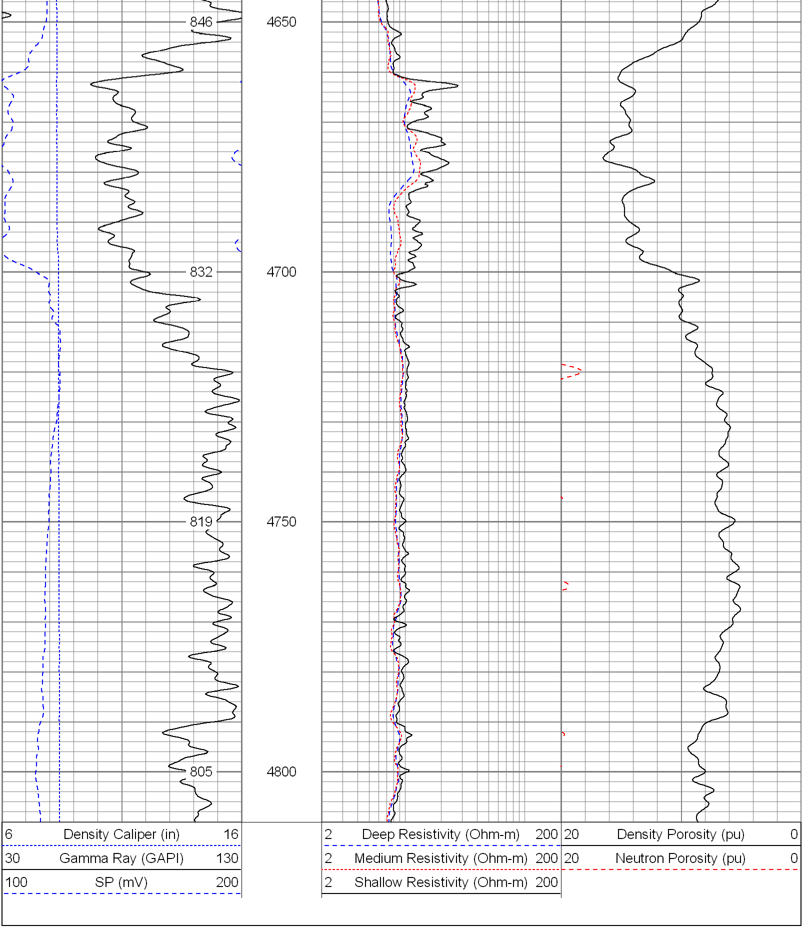


6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
100	SP (mV)	200
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200
20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

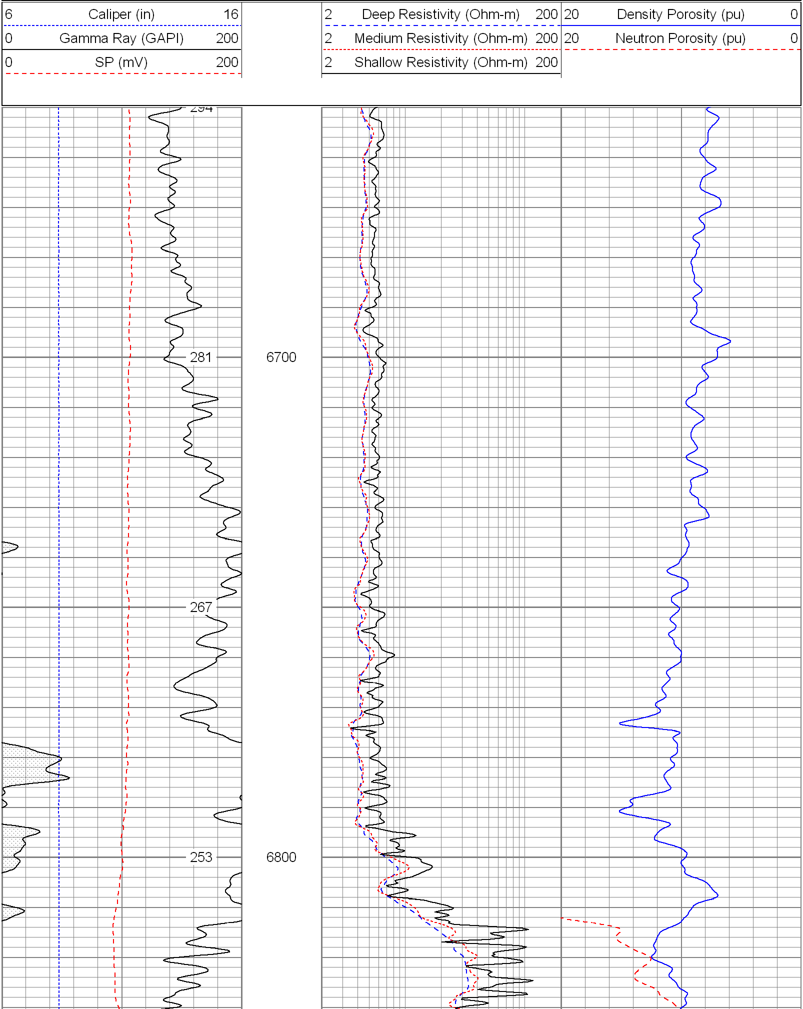
Database File:	6875.db
Dataset Pathname:	main
Presentation Format:	pdc1
Dataset Creation:	Mon Mar 05 17:38:39 2007
Charted by:	Depth in Feet scaled 1:240

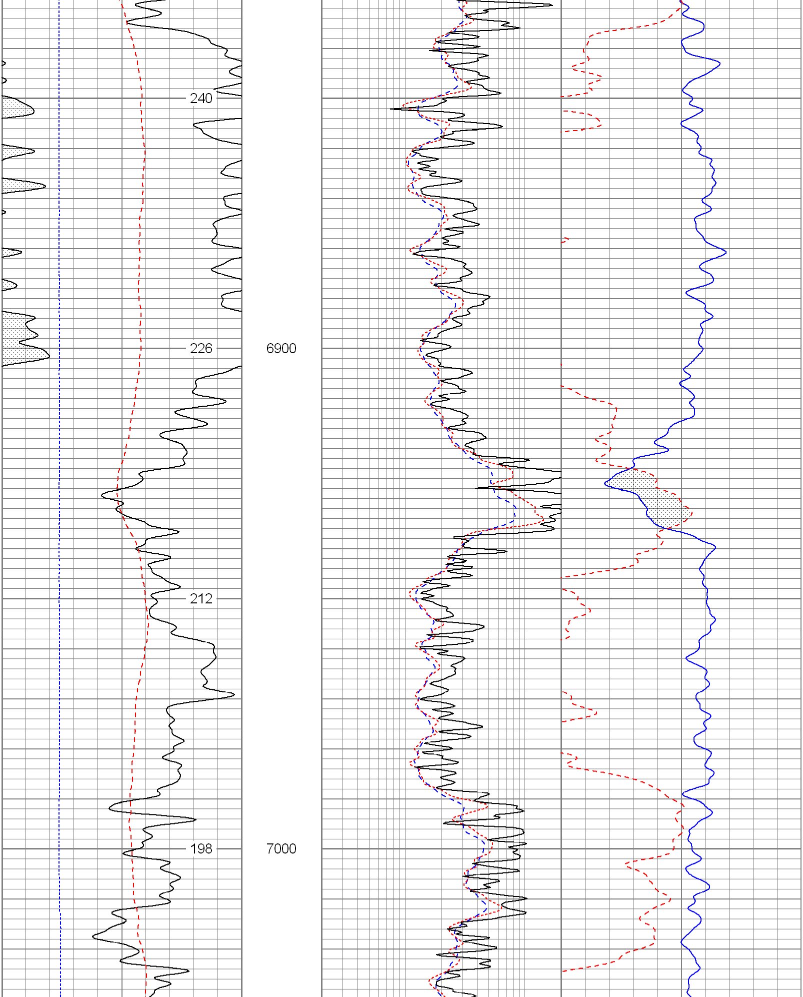
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
100	SP (mV)	200
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200
20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

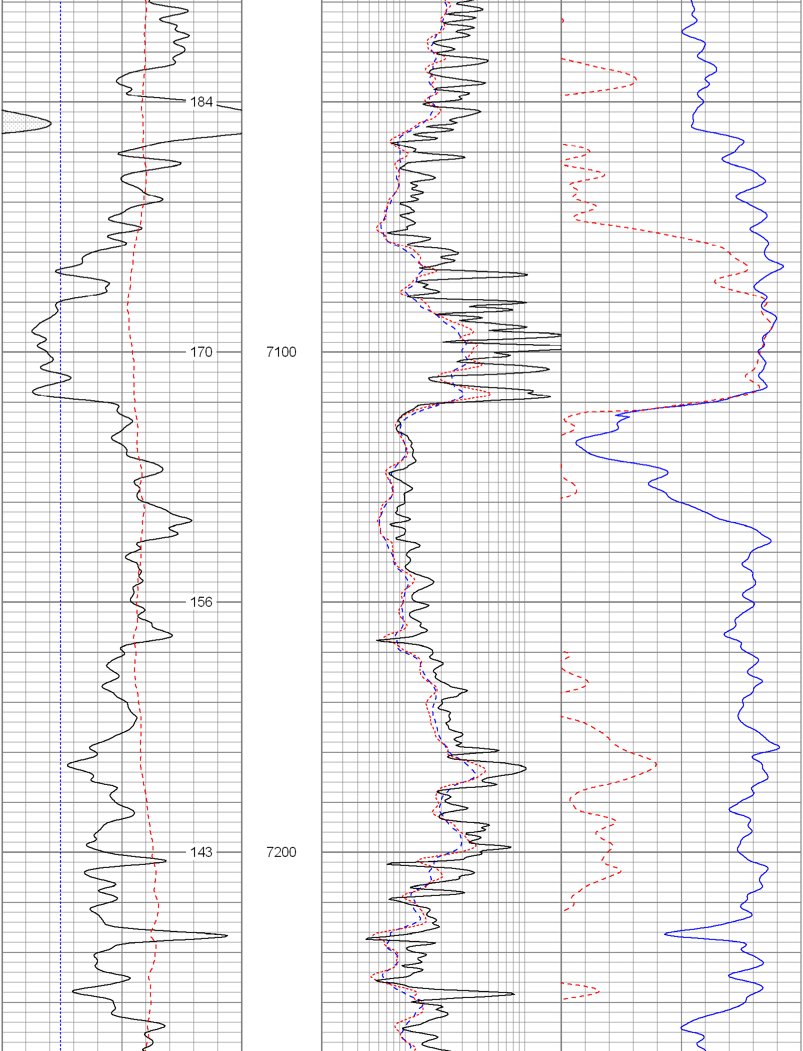


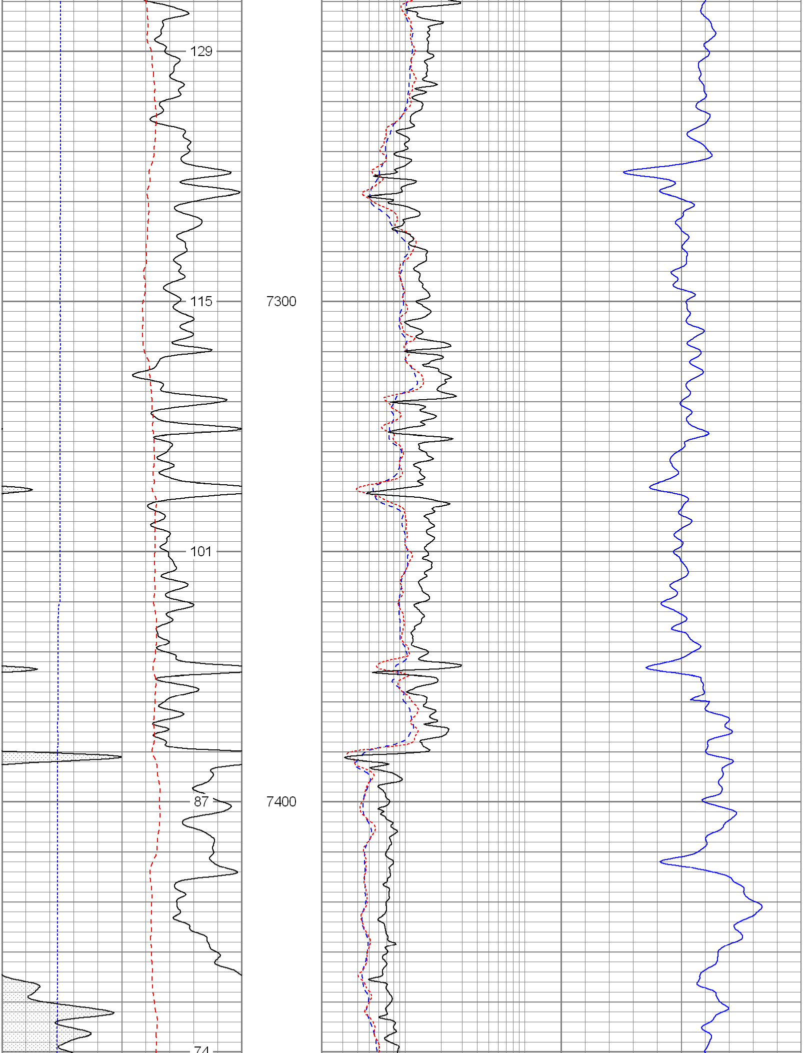


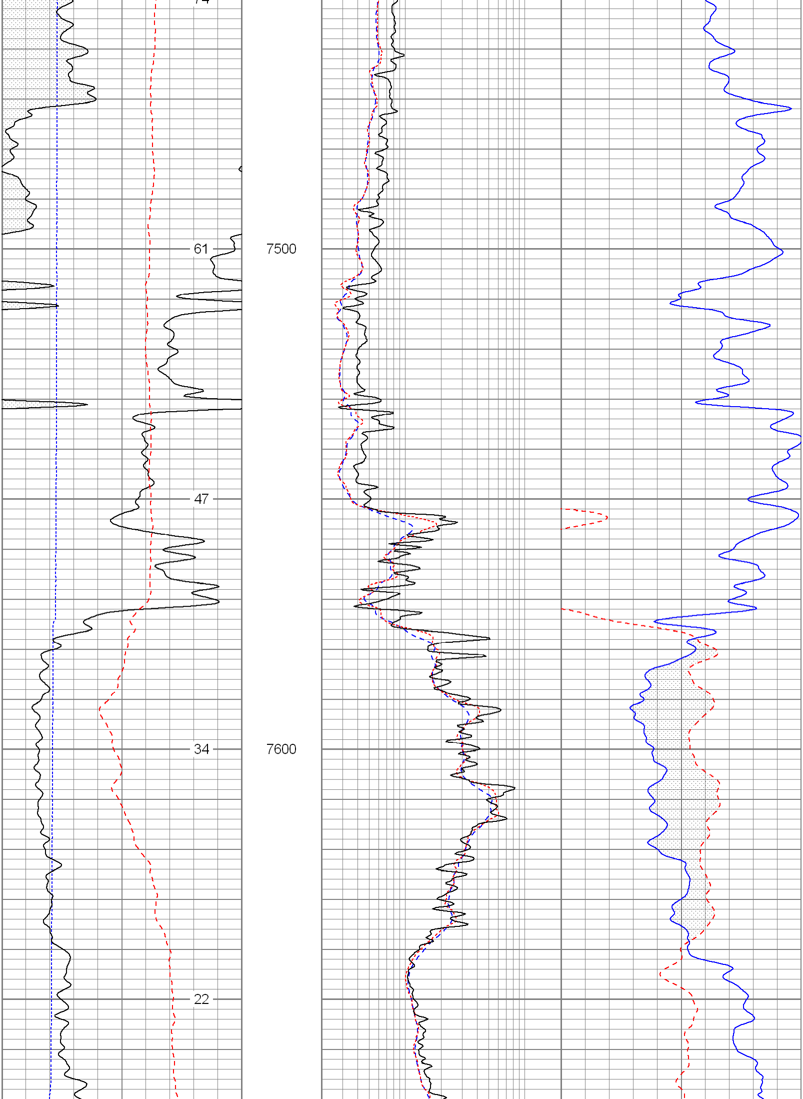
Database File:	6875.db
Dataset Pathname:	main
Presentation Format:	pdc
Dataset Creation:	Mon Mar 05 17:38:39 2007
Charted by:	Depth in Feet scaled 1:240

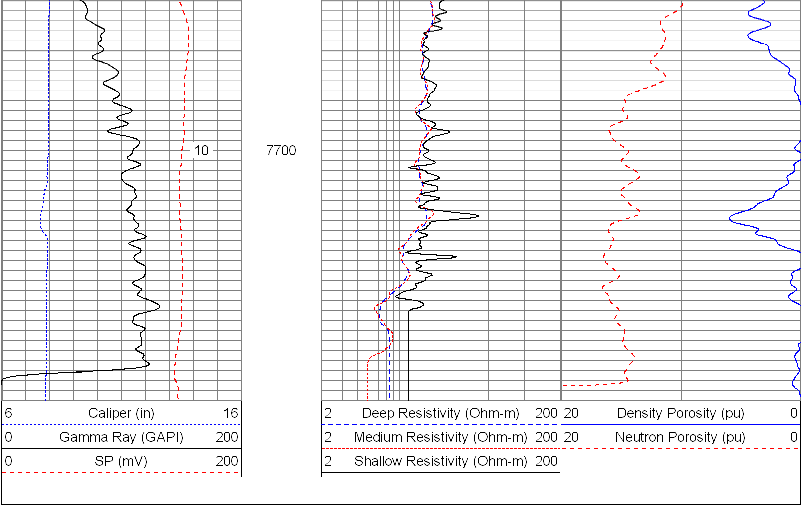

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
294
281
6700
267
253
6800










10
7700
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