PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas LLC		
Well	Cache 34-8		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location: 662' FSL & 2160' FEL
SW SE
Sec 8, Twp - 6N, Rge - 63W

Other Services
Density
Neutron

Permanent Datum	GL	Elevation	4700
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4716
D.F. 4715
G.L. 4700

Date	October 6, 2007		
Run Number	1		
Depth Driller	6990		
Depth Logger	6988		
Bottom Logged Interval	6988		
Top Log Interval	Casing		
Casing Driller	501		
Casing Logger	501		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 52		
pH / Fluid Loss	8.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.26 @ 78° F		
Rmf @ Meas. Temp	2.61 @ 78° F		
Rmc @ Meas. Temp	3.91 @ 78° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.19 @ 201° F		
Time Circulation Stopped	0800		
Time Logger on Bottom	1430		
Maximum Recorded Temperature	201° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Eric Christensen	Peter Dhaliwal	
Witnessed By	Craig Jones	Mark Scanniello	

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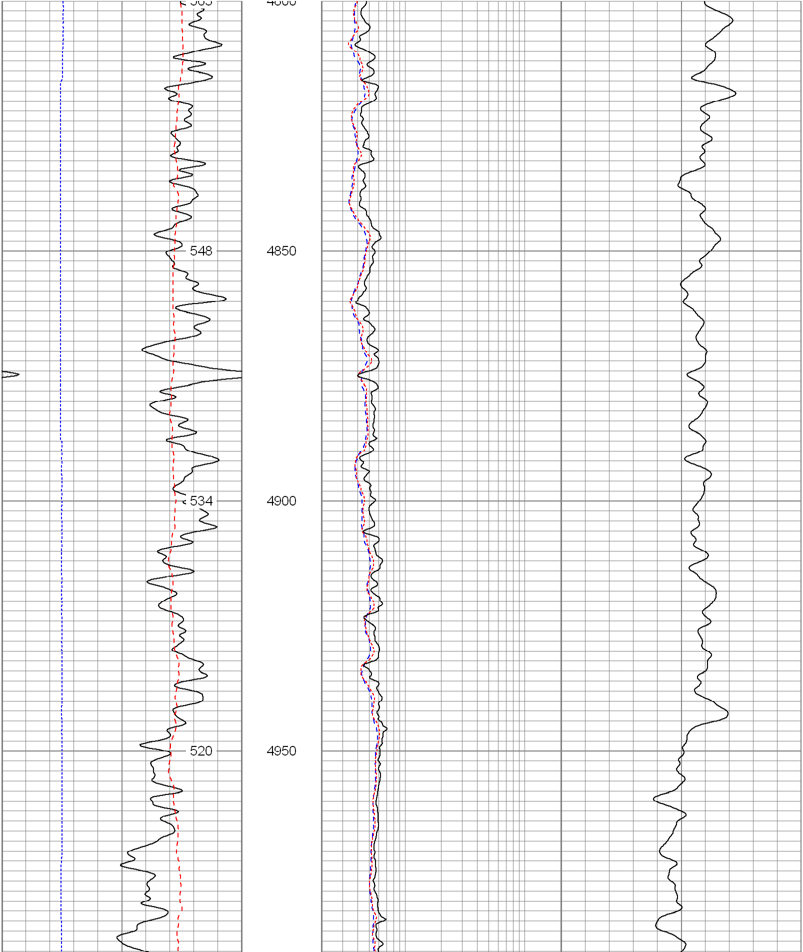
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

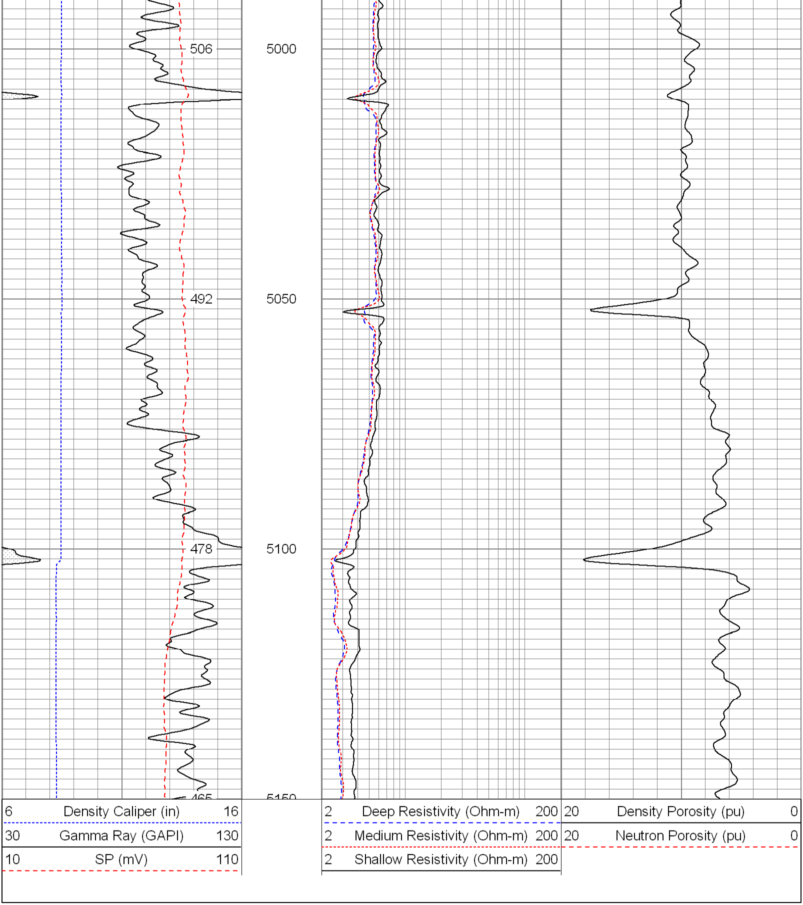
Comments

Annular volume calculated for 4.5" casing
Ensign Drilling Rig 55
Thank you for using Phoenix Surveys.
API #: 05-123-24412-00

Database File: 7821.db
Dataset Pathname: pass3
Presentation Format: pdc1
Dataset Creation: Sat Oct 06 15:19:17 2007 by Log Open-Cased 051020
Charted by: Depth in Feet scaled 1:240

6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
10	SP (mV)	110
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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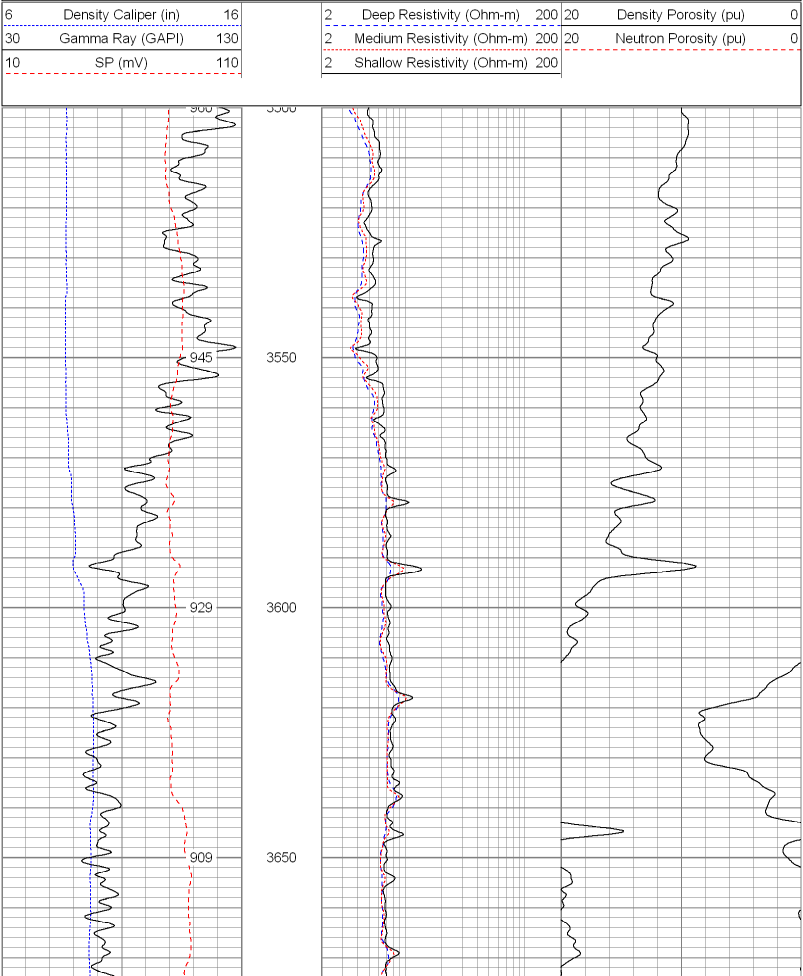
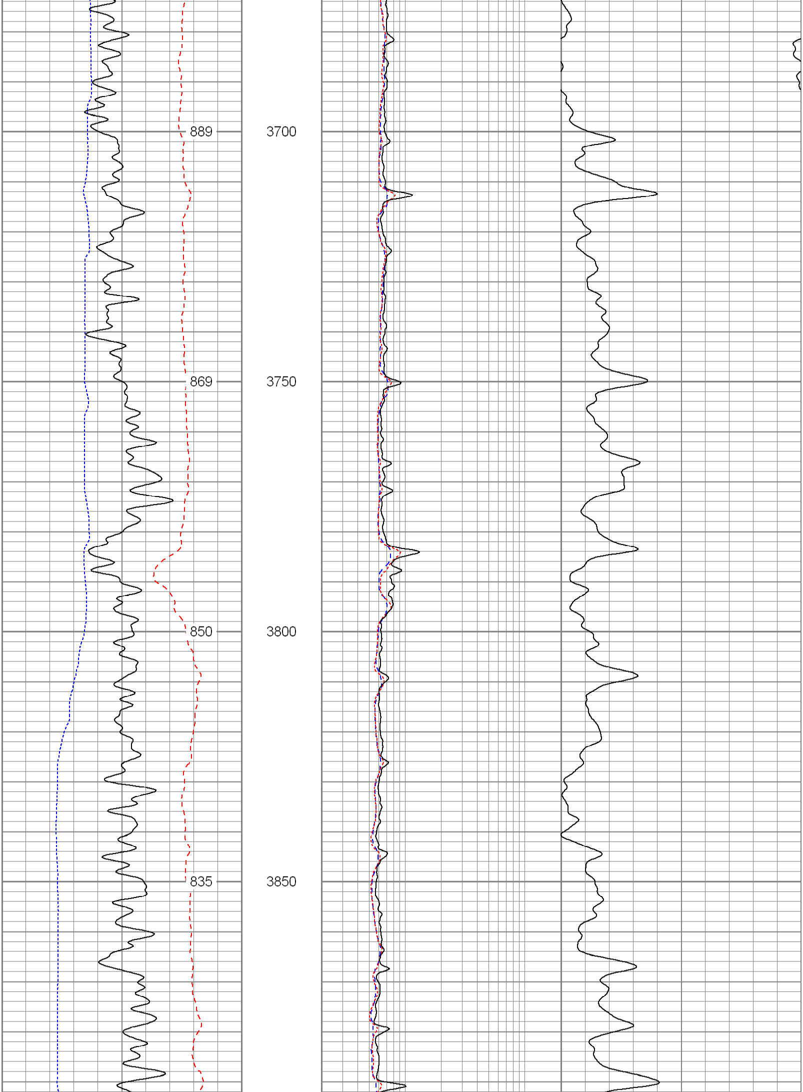
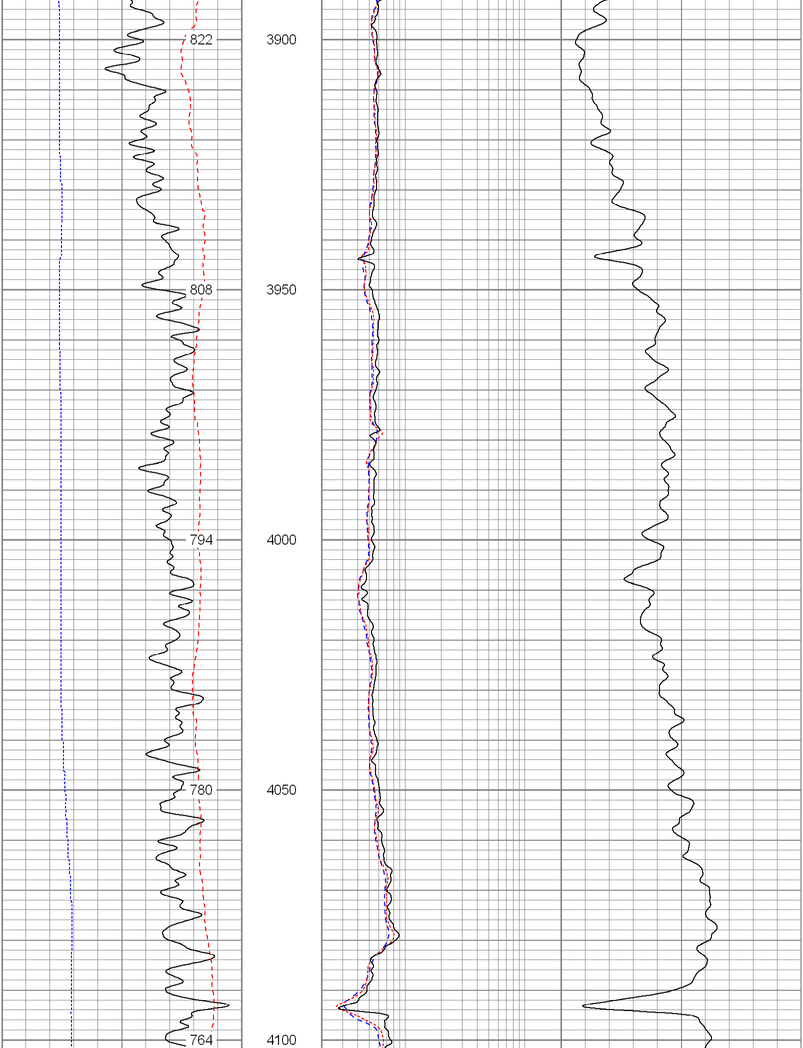
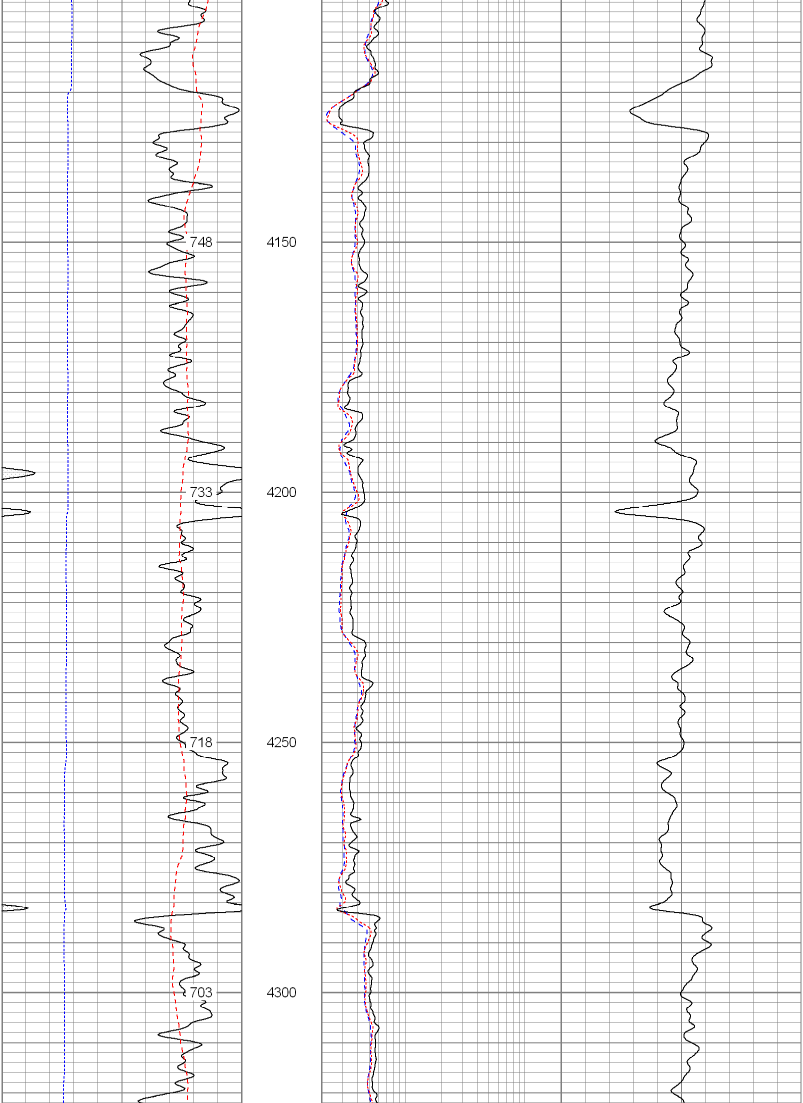
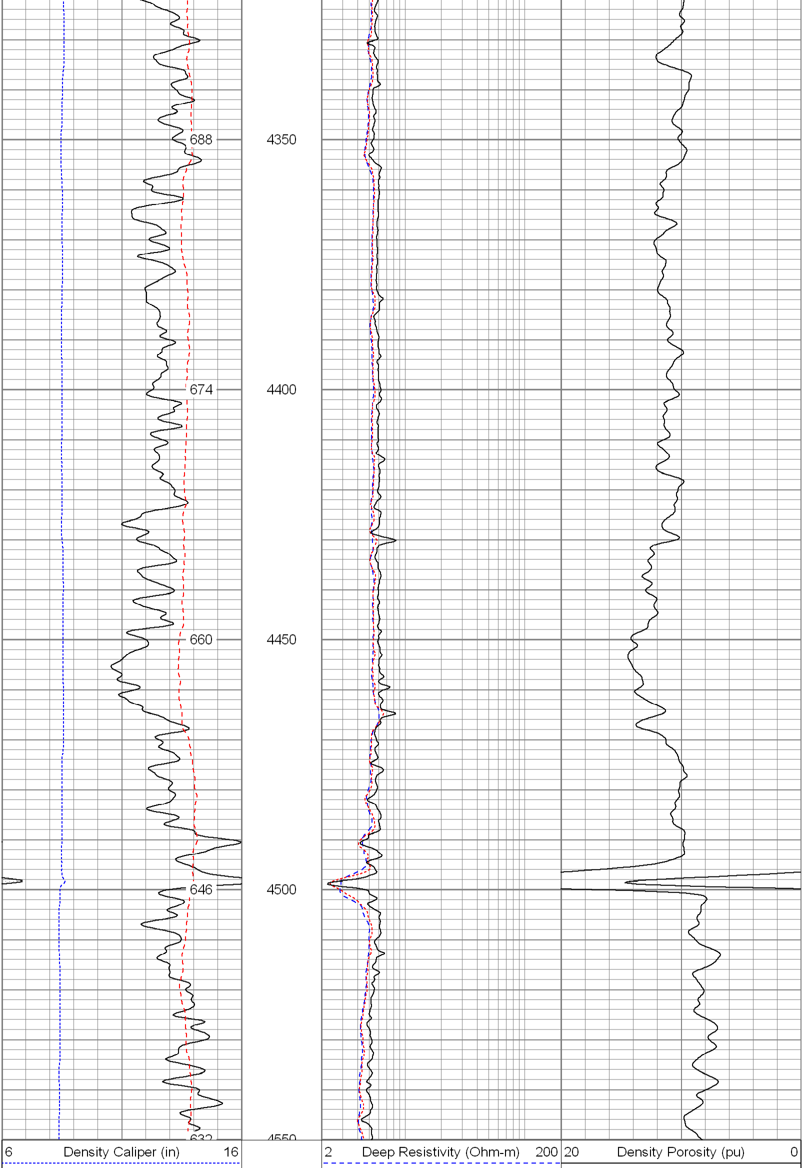










30 Gamma Ray (GAPI) 130

10 SP (mV) 110

2 Medium Resistivity (Ohm-m) 200

2 Shallow Resistivity (Ohm-m) 200

20 Neutron Porosity (pu) 0

Database File:	7821.db
Dataset Pathname:	final
Presentation Format:	pdc
Dataset Creation:	Sat Oct 06 16:21:08 2007
Charted by:	Depth in Feet scaled 1:240

6 Caliper (in) 16

0 Gamma Ray (GAPI) 200

0 SP (mV) 200

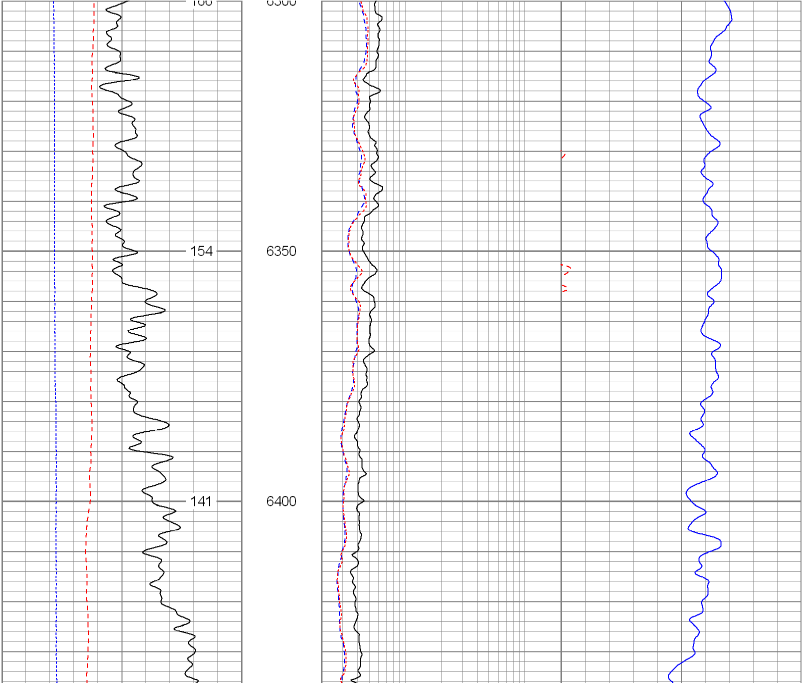
2 Deep Resistivity (Ohm-m) 200

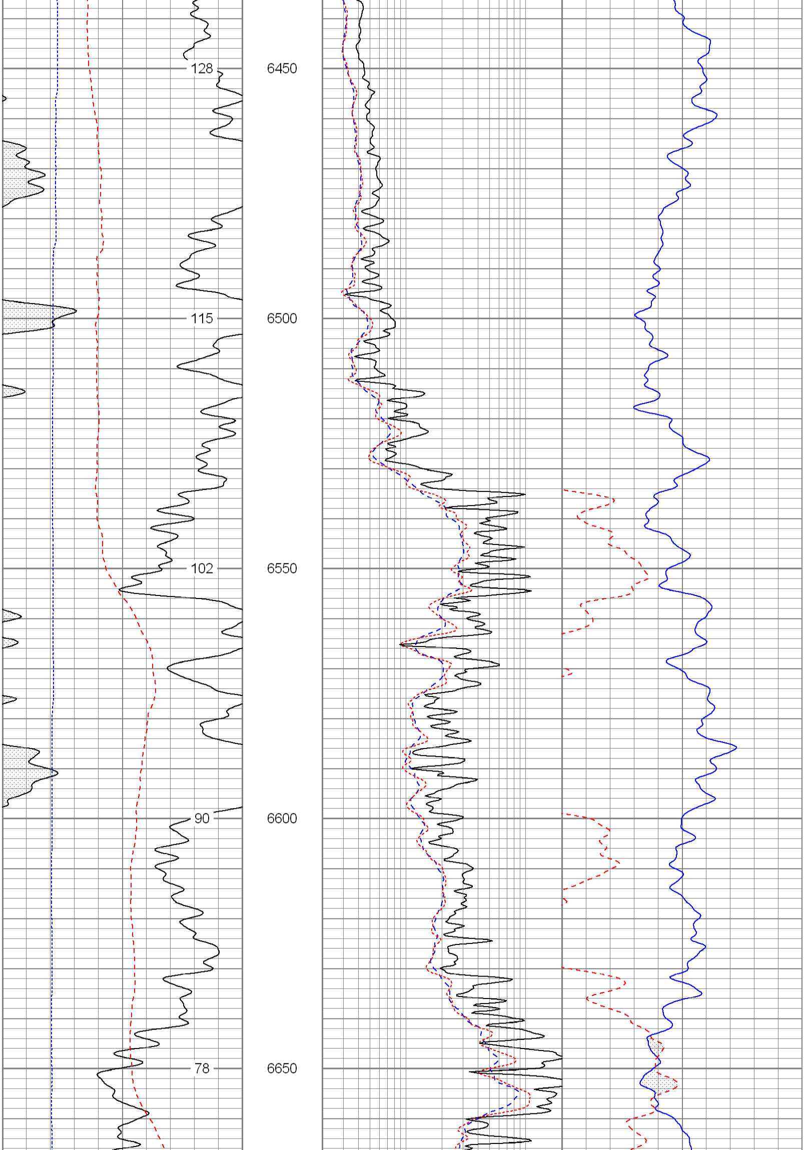
2 Medium Resistivity (Ohm-m) 200

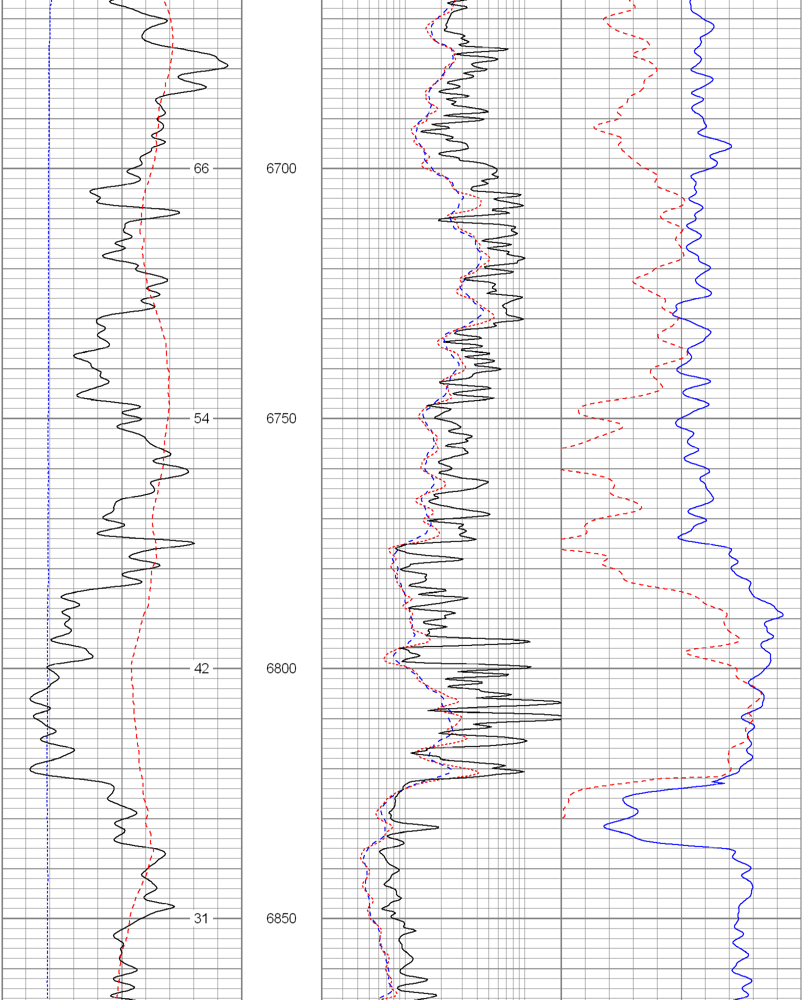
2 Shallow Resistivity (Ohm-m) 200

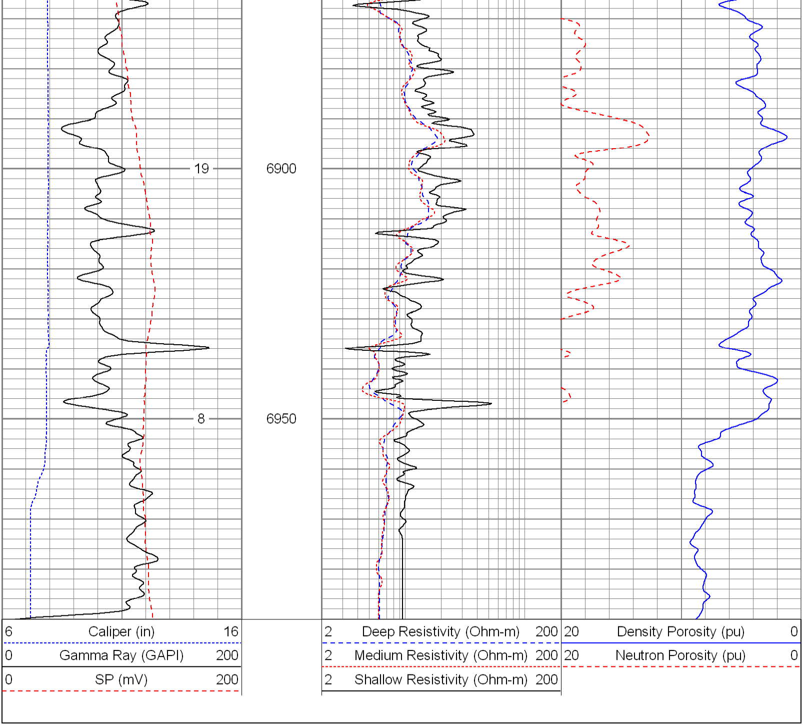
20 Density Porosity (pu) 0

20 Neutron Porosity (pu) 0








19
8
6900
6950
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
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20 Density Porosity (pu) 0
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