PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas, LLC.
Well	Cache 8-33
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
1616' FSL & 2335' FEL
NW SE
Sec. 8, Twp. 6N, Rge. 63W

Other Services
Density
Neutron

Elevation
K.B. 4712
D.F. 4711
G.L. 4700

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

Date	March 30, 2008		
Run Number	1		
Depth Driller	6980		
Depth Logger	6979		
Bottom Logged Interval	6979		
Top Log Interval	Casing		
Casing Driller	502		
Casing Logger	502		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	10.4 / 50		
pH / Fluid Loss	8.0 / 10.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.92 @ 68° F		
Rmf @ Meas. Temp	3.53 @ 68° F		
Rmc @ Meas. Temp	4.41 @ 68° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.21 @ 202° F		
Time Circulation Stopped	2345 3/29		
Time Logger on Bottom	0845		
Maximum Recorded Temperature	202° F		
Equipment Number	4420		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Mark Scanniello	Jeff Reale	

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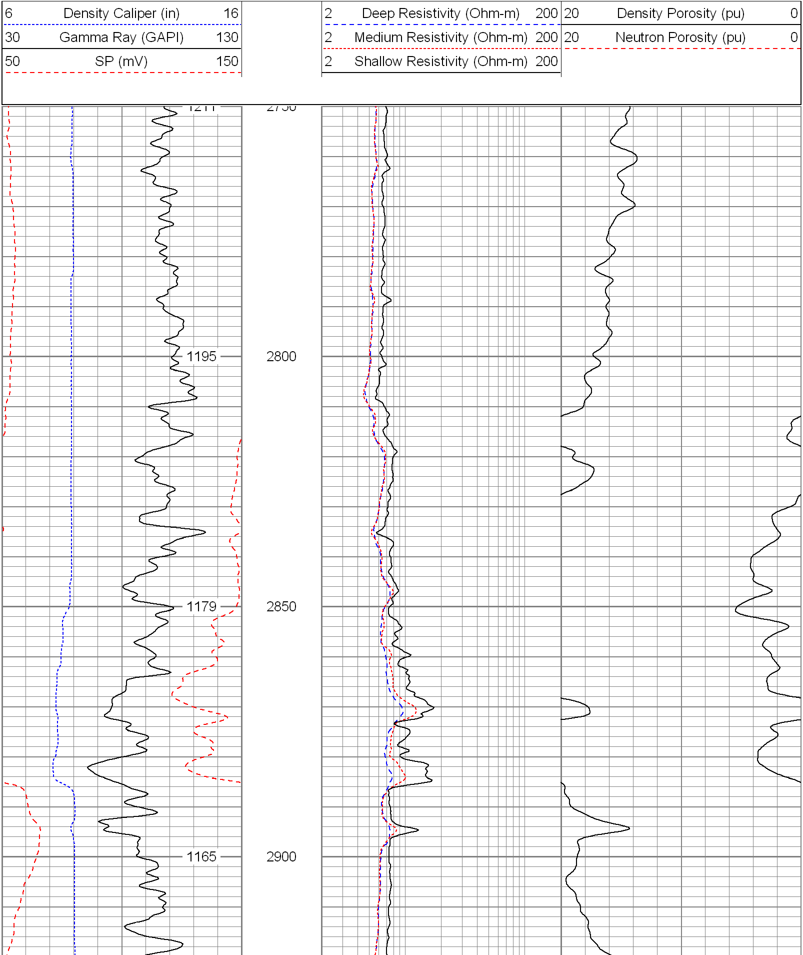
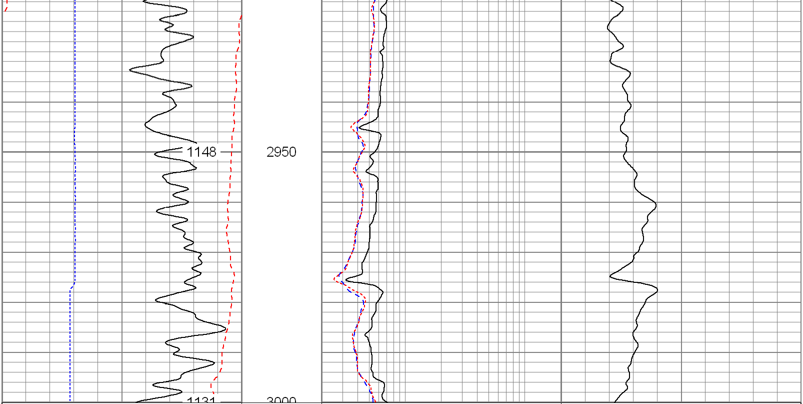
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Ensign Drilling Rig 7
Thank you for using Phoenix Surveys!!
API #: 05-123-25665-00

Database File: 8529.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sun Mar 30 09:08:15 2008
Charted by: Depth in Feet scaled 1:240





Track 1	Track 2	Track 3
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	

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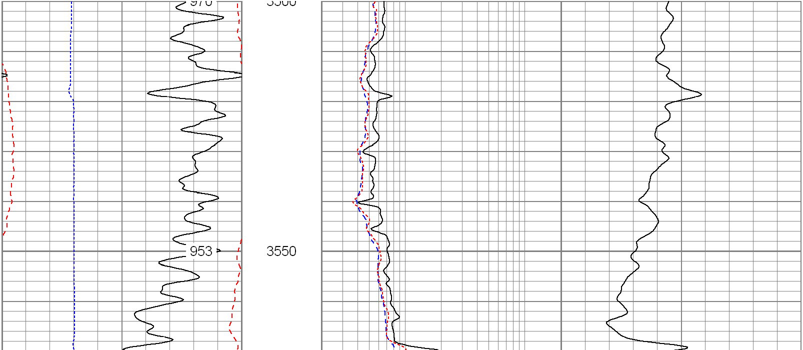

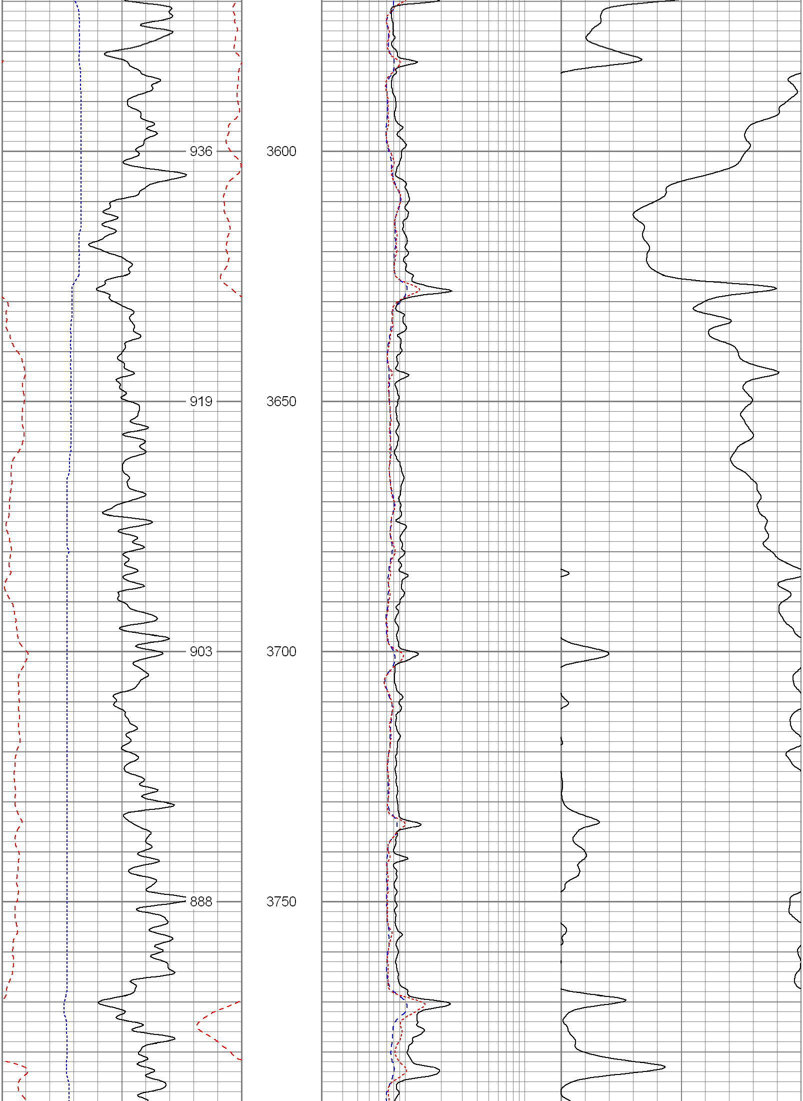

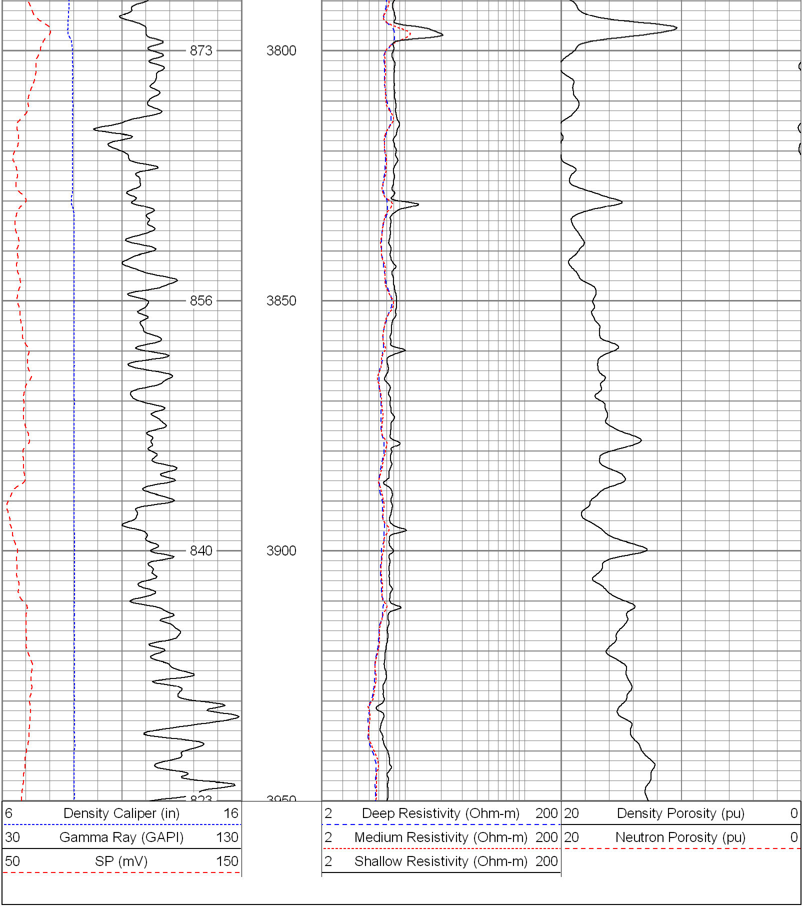

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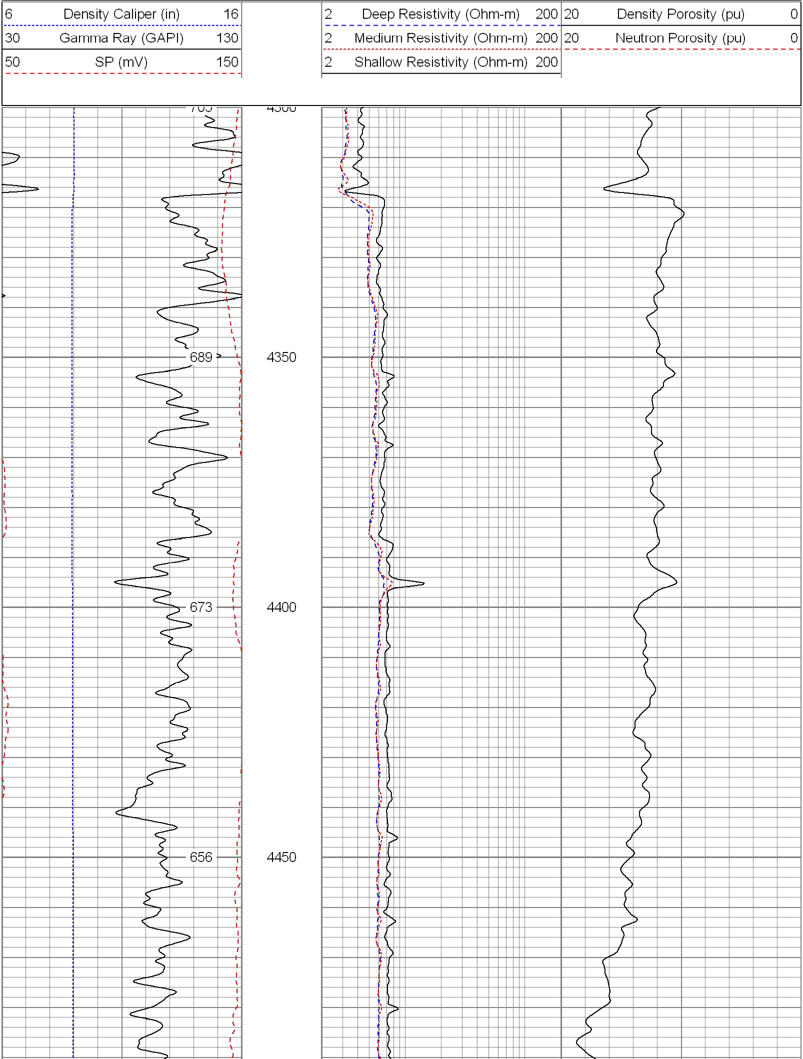

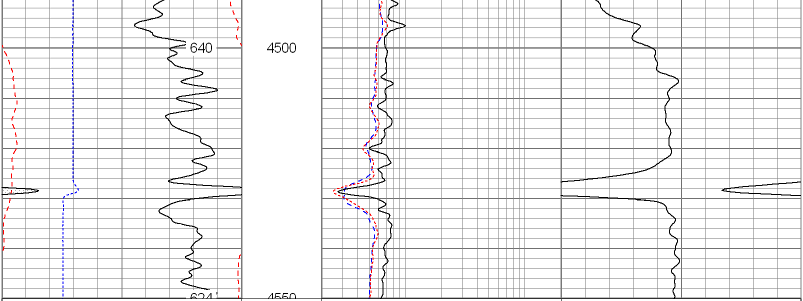

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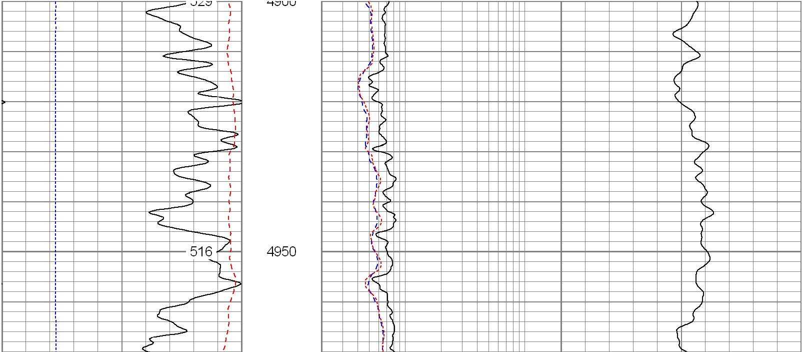

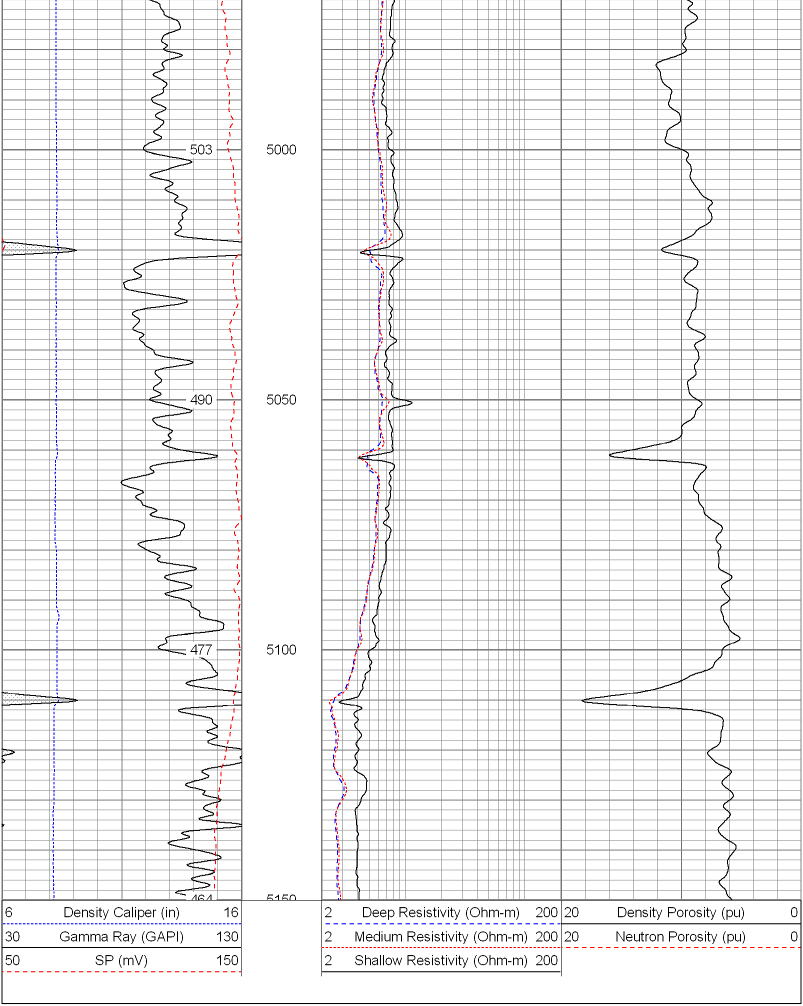

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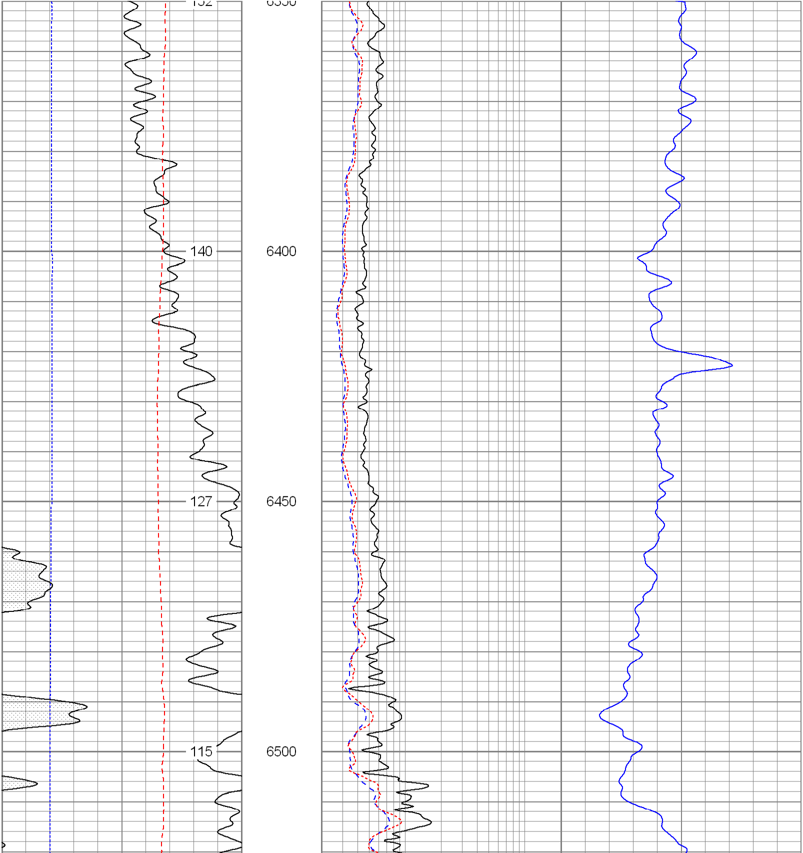

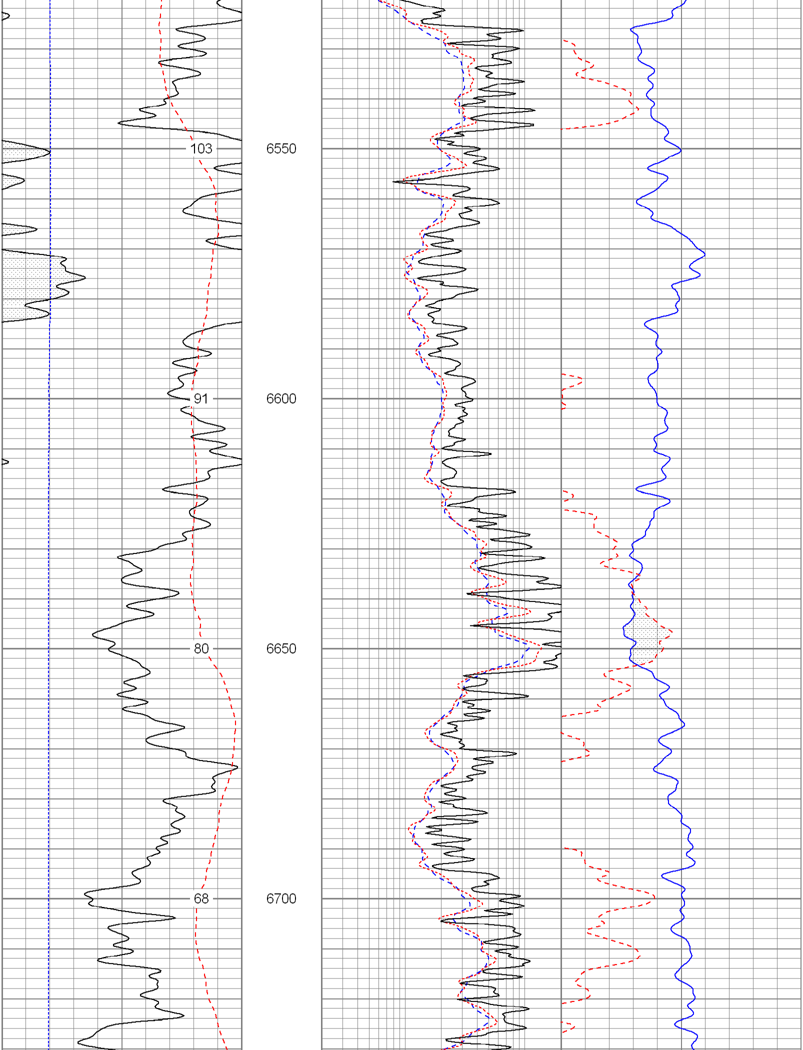

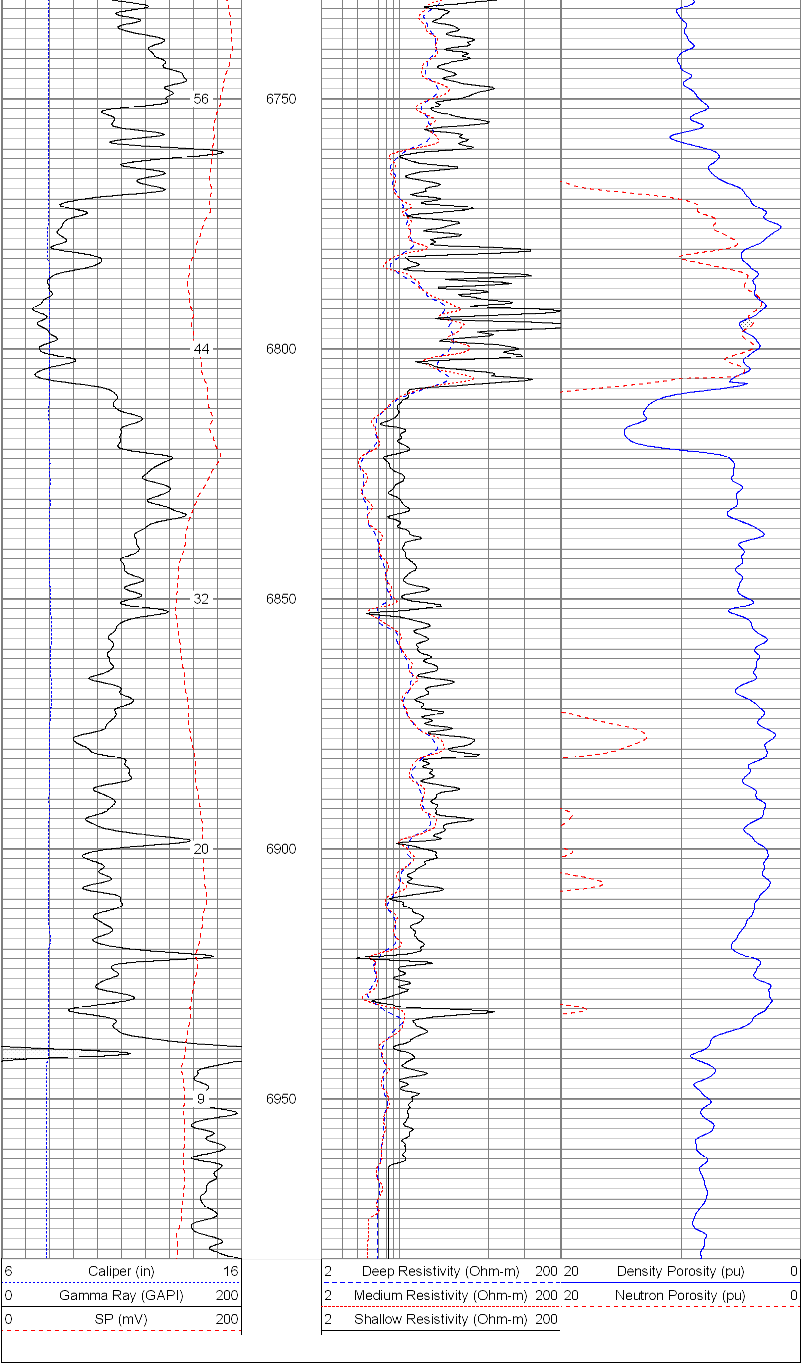
56
44
32
20
9
6750
6800
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