PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Noble Energy Production Inc.		
Well	Hamilton F 25-25		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location: 1100' FSL & 1435' FWL
SE SW
Sec. 25, Twp. 5N, Rge. 65W

Other Services: Dual Induction

Elevation
K.B. 4704
D.F. 4703
G.L. 4691

Permanent Datum	GL	Elevation	4691
Log Measured From	KB		
Drilling Measured From	KB		

Date	December 17, 2007		
Run Number	1		
Depth Driller	7186		
Depth Logger	7174		
Bottom Logged Interval	7154		
Top Log Interval	2540		
Casing Driller	568		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.9 / 55		
pH / Fluid Loss	8.5 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.69 @ 76° F		
Rmf @ Meas. Temp	2.77 @ 76° F		
Rmc @ Meas. Temp	4.61 @ 76° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.36 @ 206° F		
Time Circulation Stopped	0900		
Time Logger on Bottom	1600		
Maximum Recorded Temperature	215° F		
Equipment Number	4420		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	John Drahota		

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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

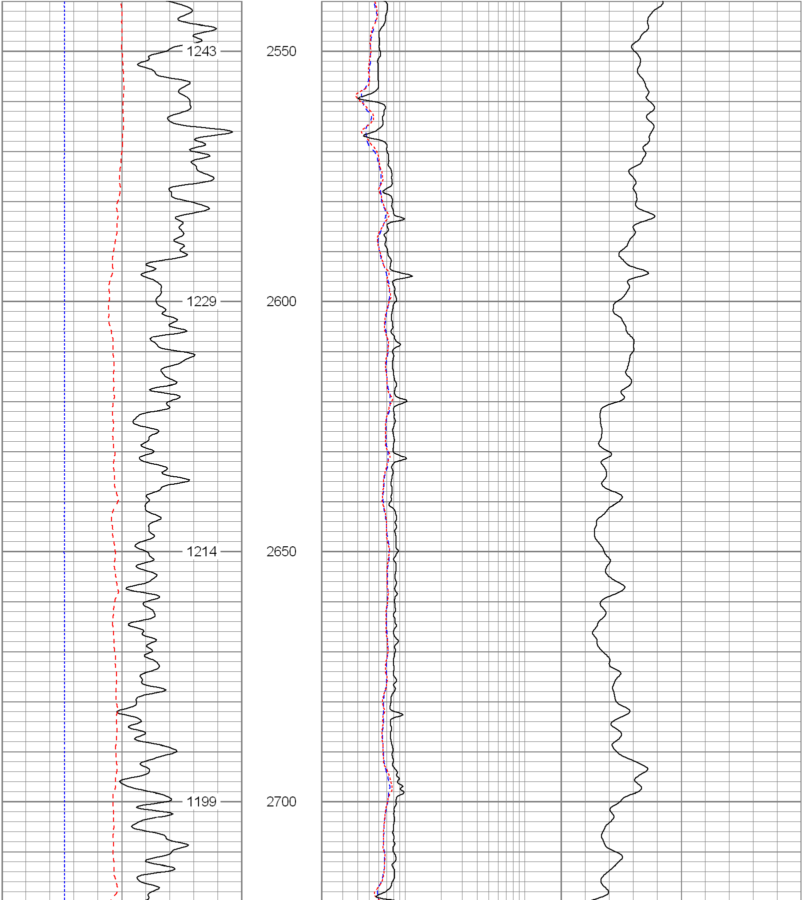
Annular volume calculated for 4.5" casing
Cade Drilling Rig 21
Thank you for using Phoenix Surveys!!
API #: 05-123-26621-00
No Microlog due to Tool failure!

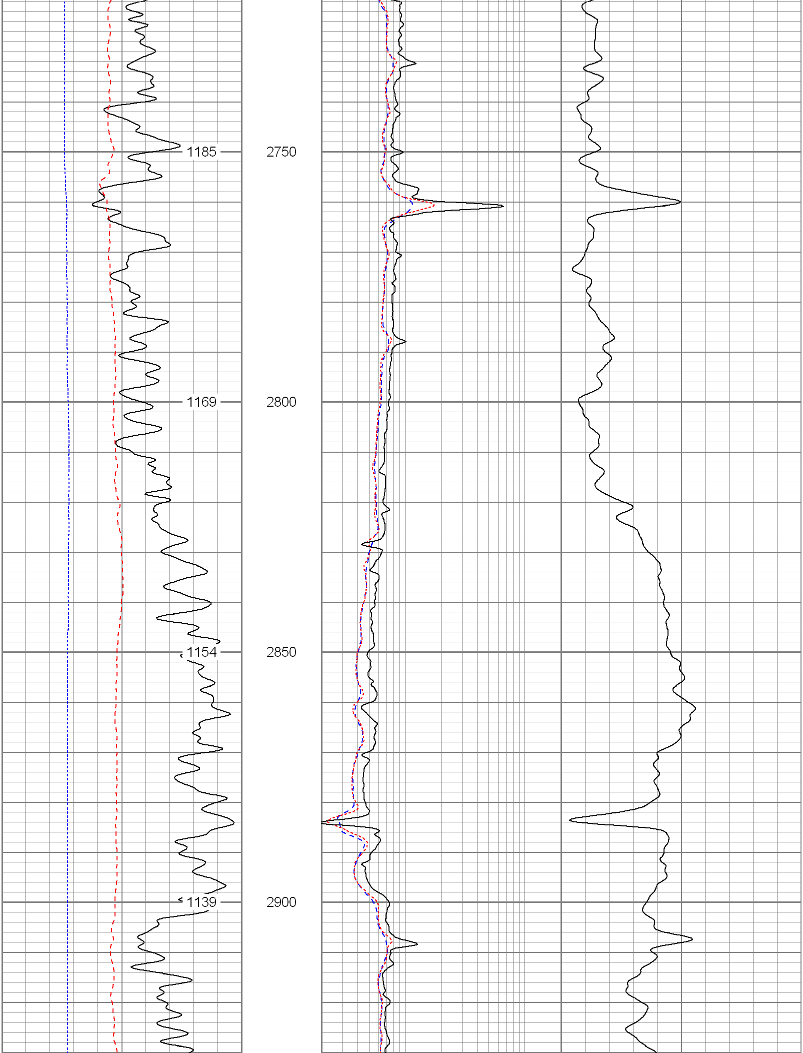
Database File:	8086.db
Dataset Pathname:	pass3.4
Presentation Format:	pdc1
Dataset Creation:	Mon Dec 17 18:00:08 2007
Charted by:	Depth in Feet scaled 1:240

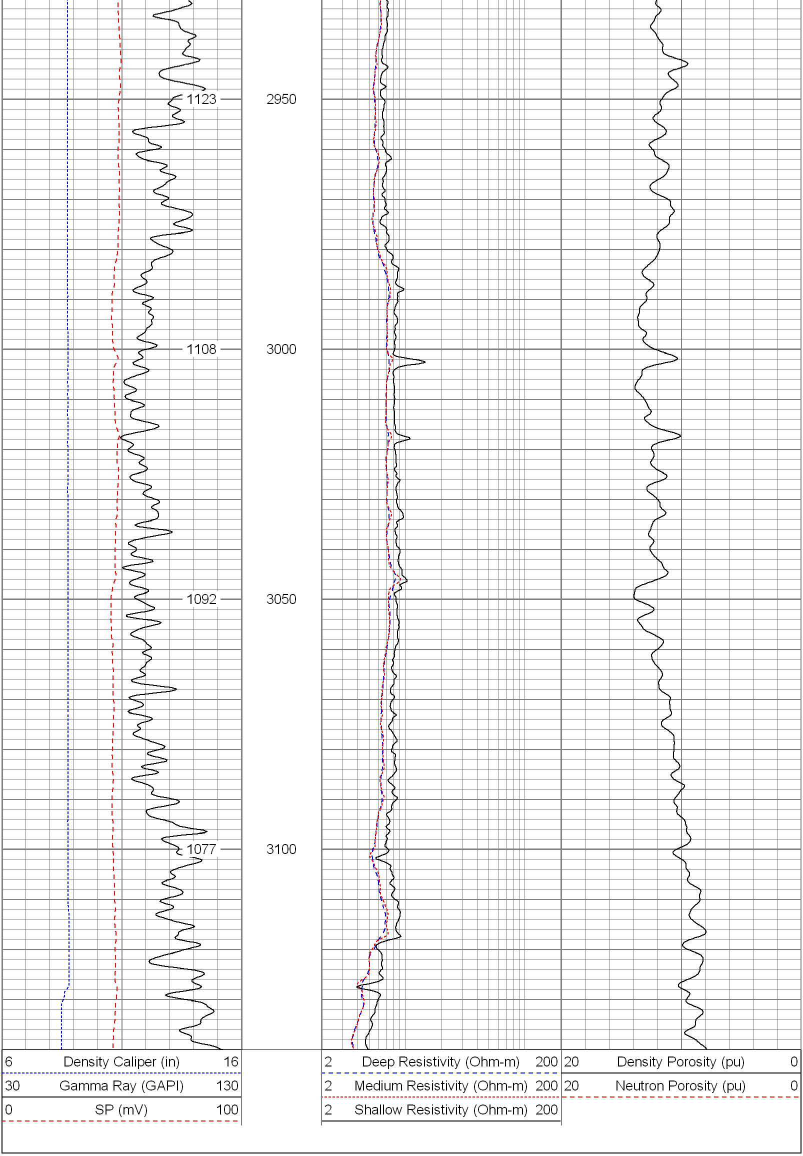
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
0 SP (mV) 100

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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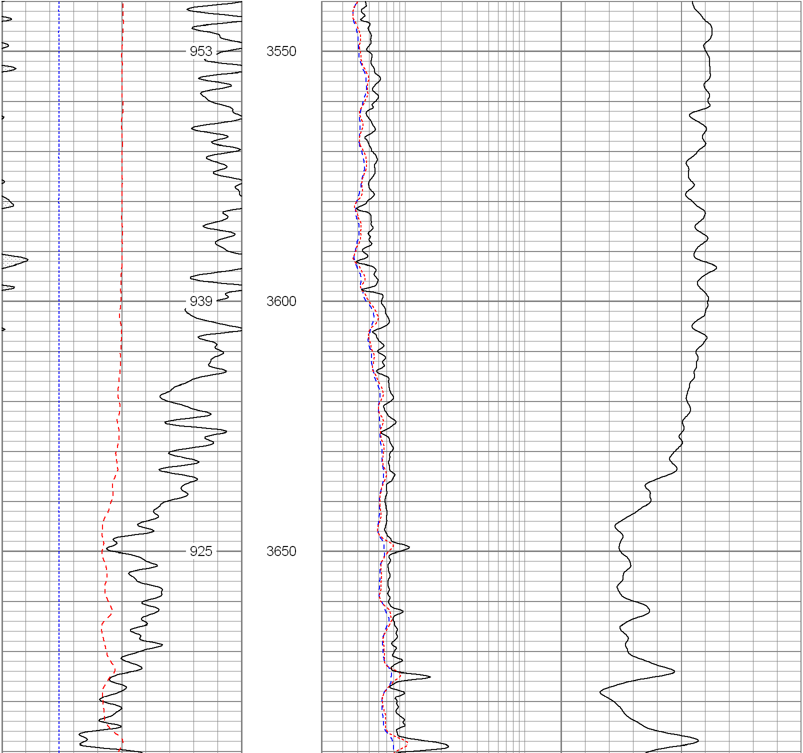

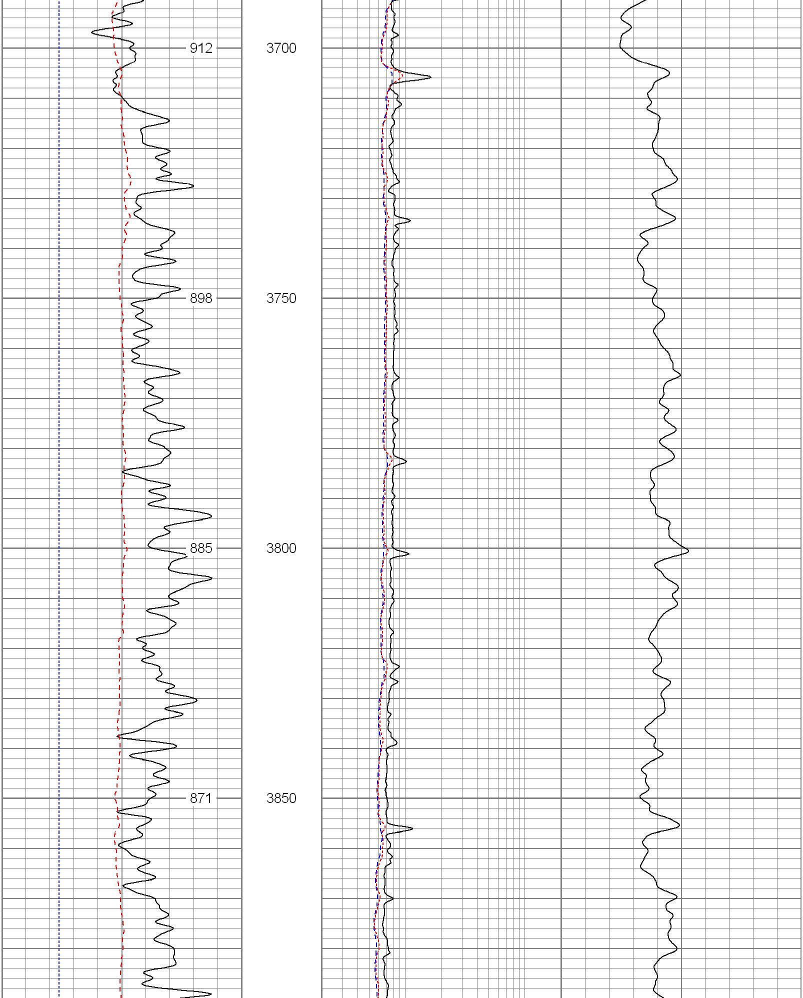

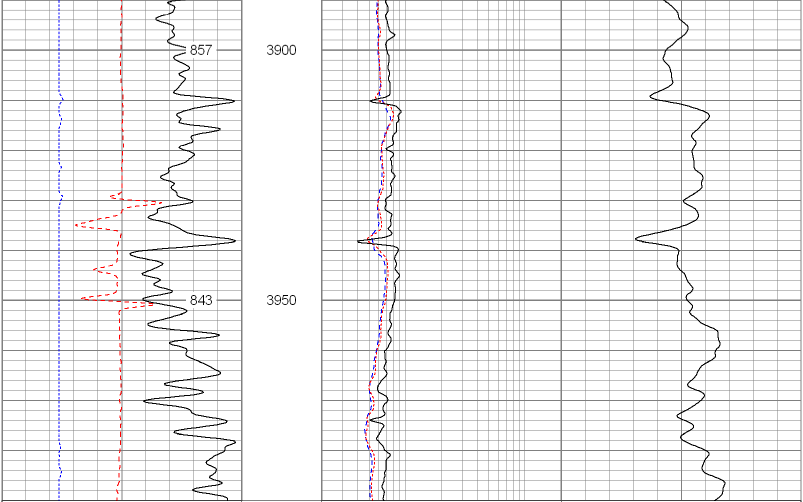

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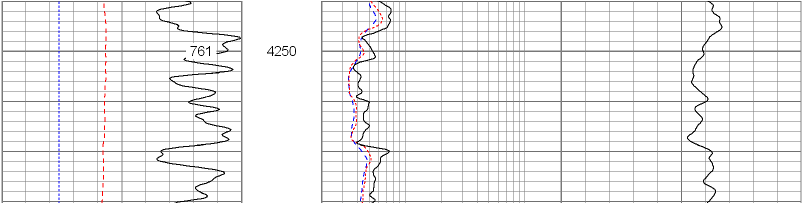

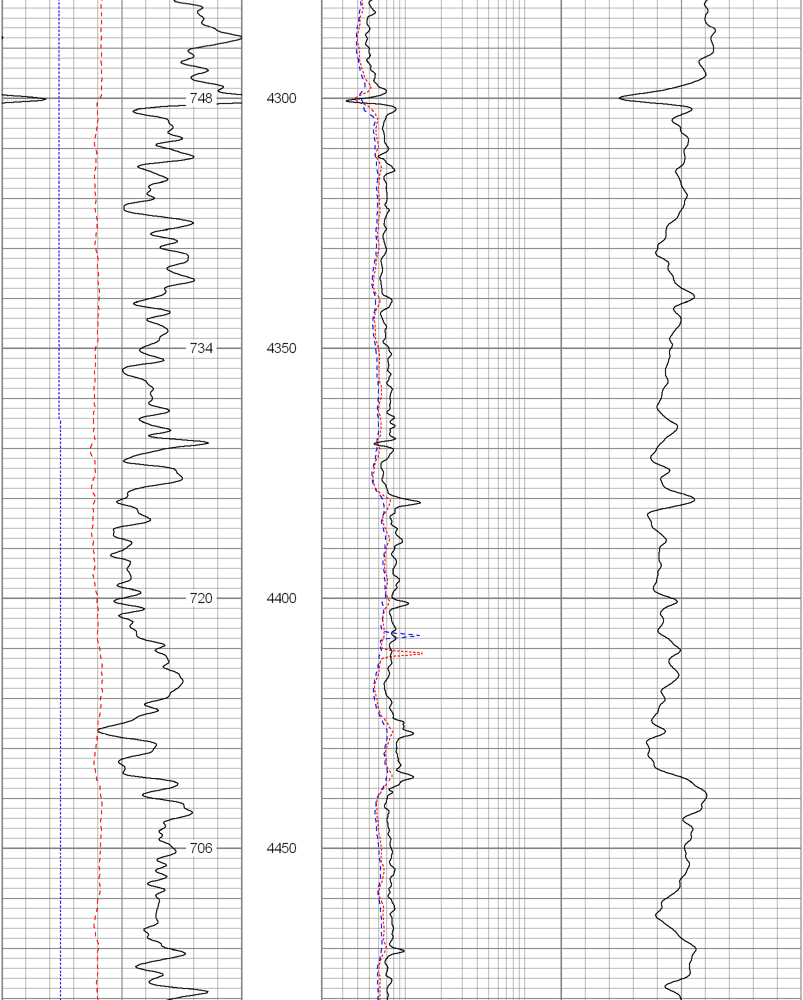

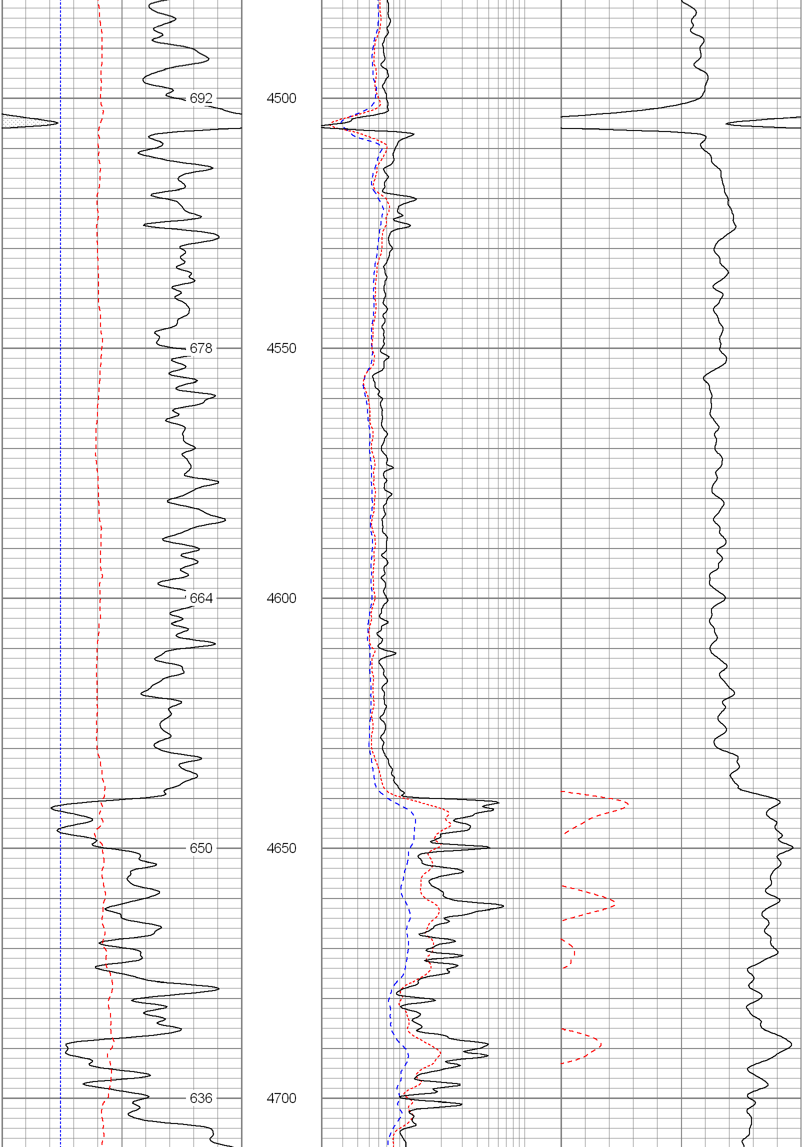

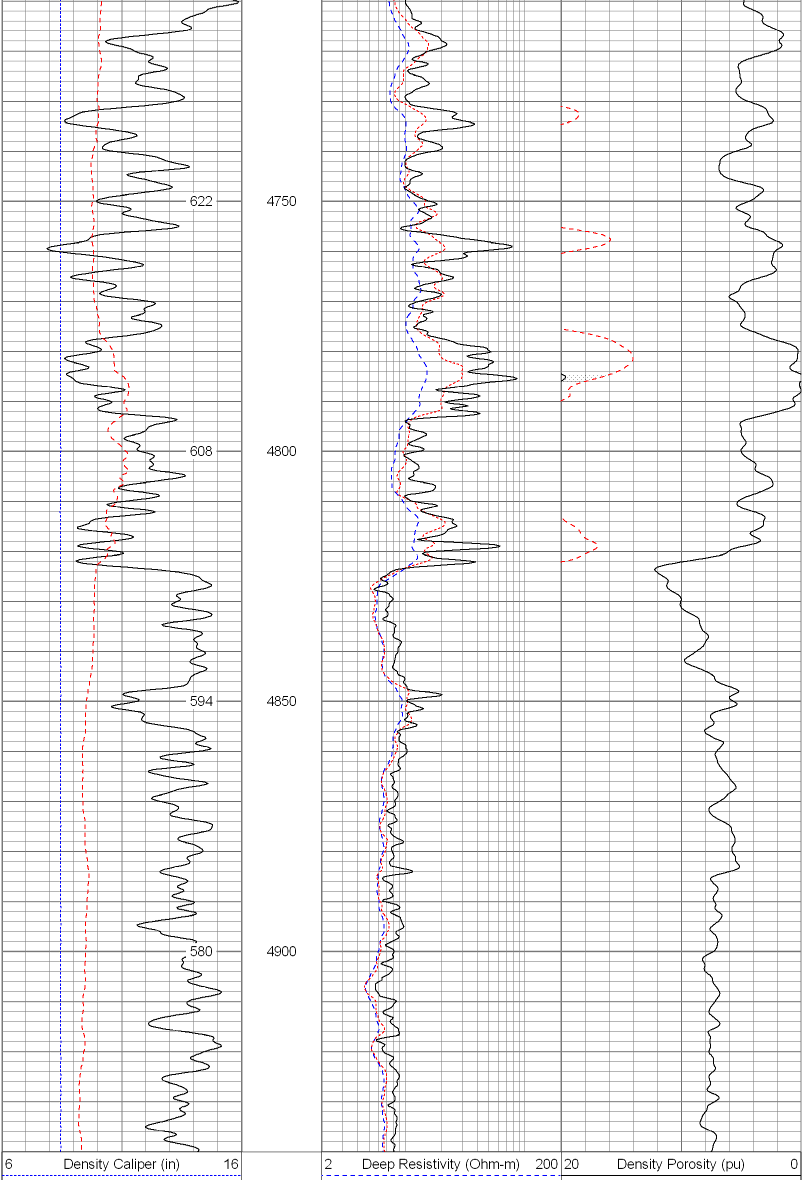

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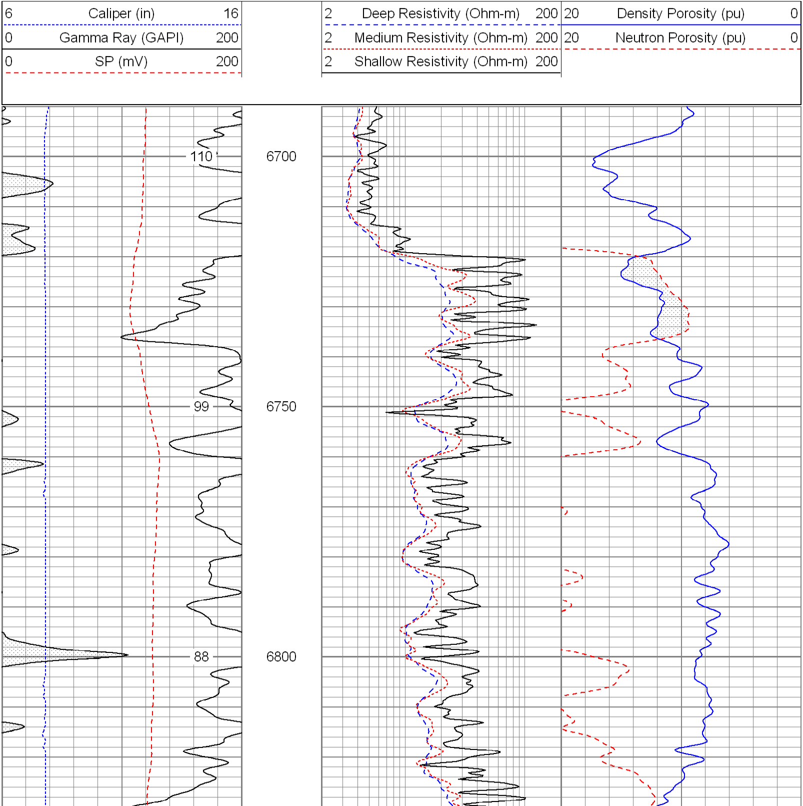
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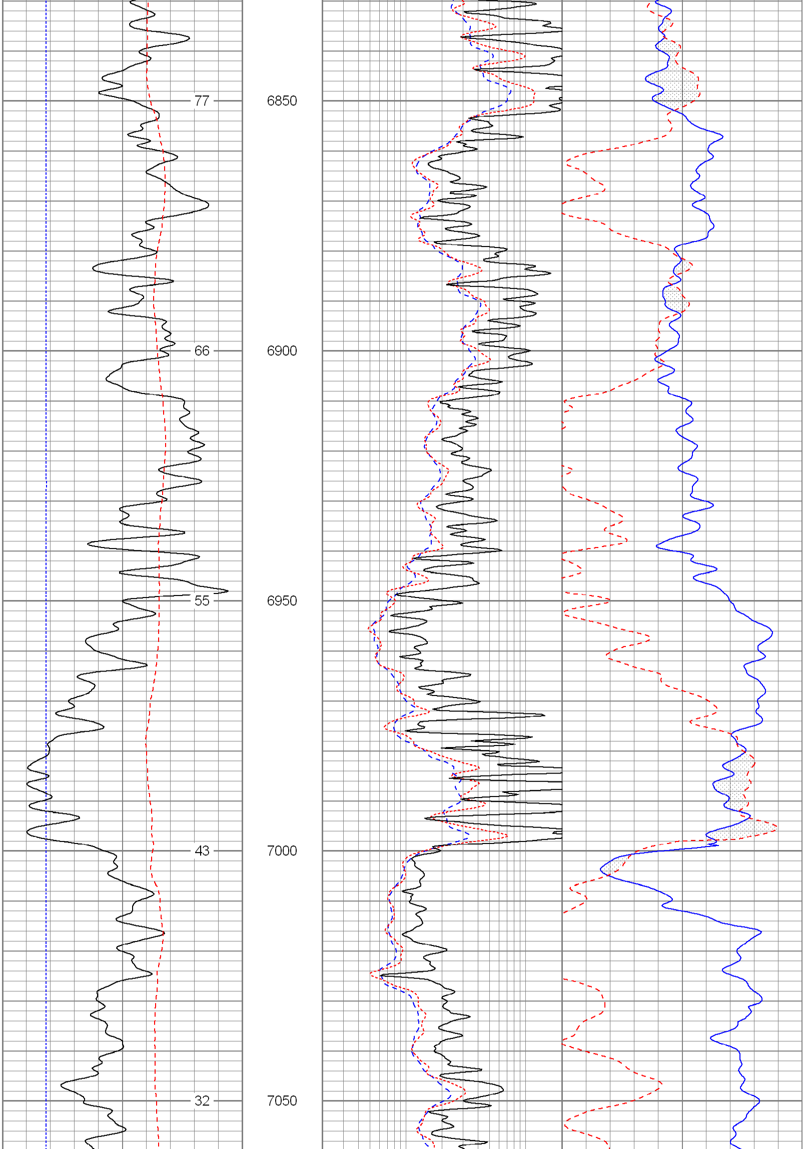
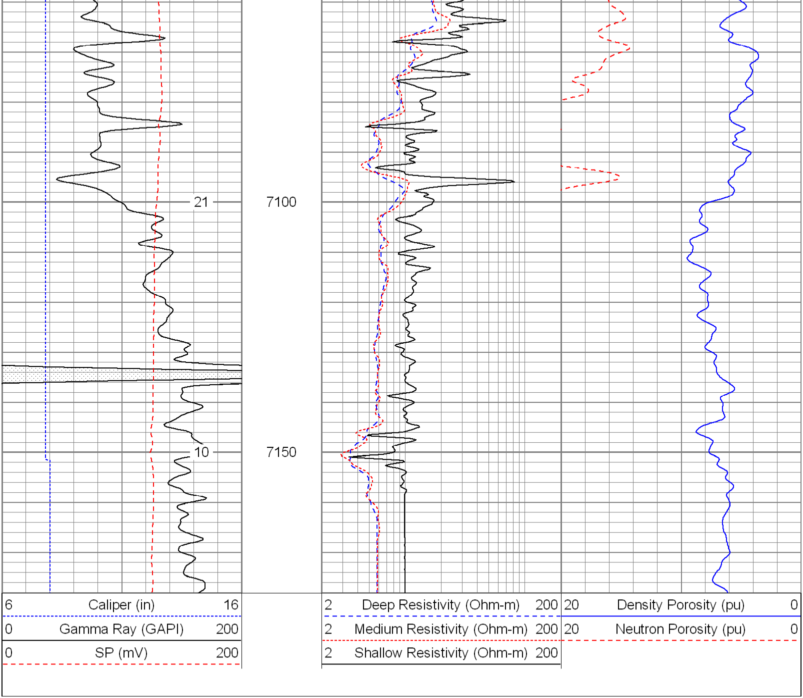
110
6700
99
6750
88
6800




21
7100
10
7150
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