PSI
PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Noble Energy Production Inc.
Well	Elise State C 24-21
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
2552' FNL & 2500' FEL
SW NE
Sec. 24, Twp. 4N, Rge. 64W

Other Services
Density
Neutron
Micrologue

Elevation
K.B. 4690
D.F. 4690
G.L. 4677

Permanent Datum	GL	Elevation	4677
Log Measured From	KB		
Drilling Measured From	KB		

Date	April 16, 2008		
Run Number	1		
Depth Driller	6871		
Depth Logger	6917		
Bottom Logged Interval	6917		
Top Log Interval	Casing		
Casing Driller	729		
Casing Logger	729		
Bit Size	6-1/4"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.8 / 55		
pH / Fluid Loss	9.5 / 12.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.41 @ 82° F		
Rmf @ Meas. Temp	2.56 @ 82° F		
Rmc @ Meas. Temp	4.26 @ 82° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.16 @ 209° F		
Time Circulation Stopped	2245 4/15		
Time Logger on Bottom	0345		
Maximum Recorded Temperature	209° F		
Equipment Number	4420		
Location	Brighton, CO		
Recorded By	Eric Christensen		
Witnessed By	Martin Suarez		

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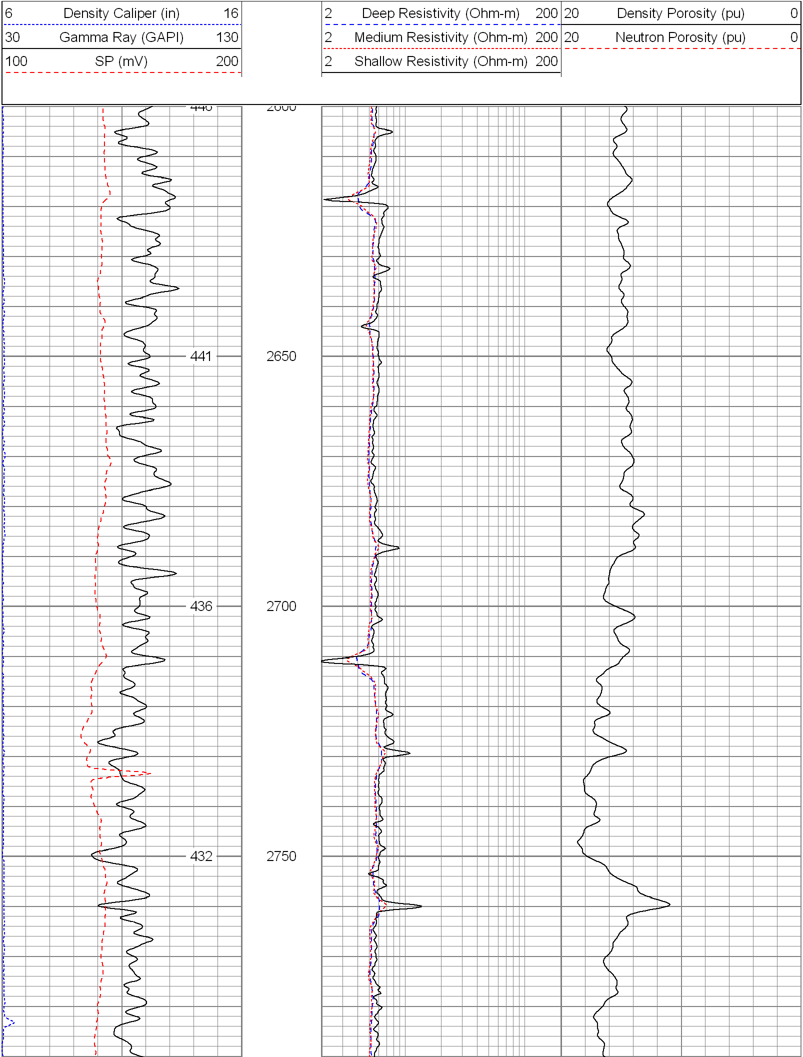
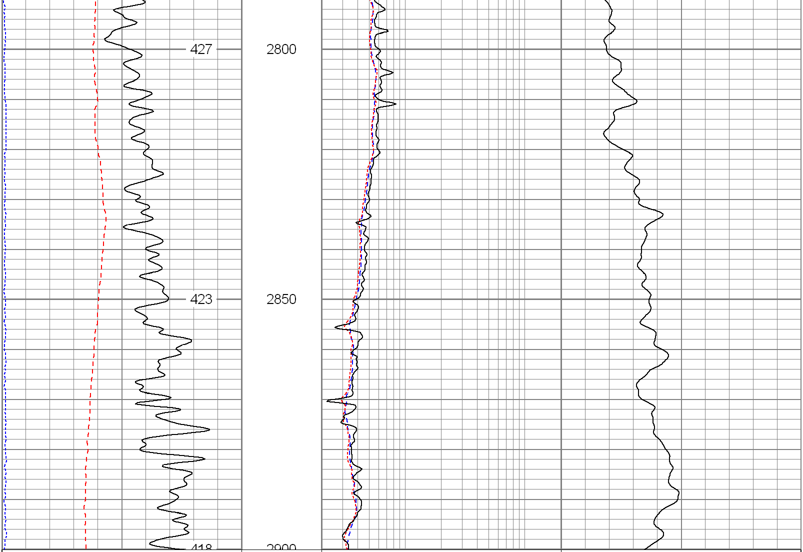
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Rig 126
Thank you for using Phoenix Surveys!!
API #: 05-123-25702-00

Database File:	8545.db
Dataset Pathname:	main
Presentation Format:	pdc1
Dataset Creation:	Wed Apr 16 05:54:28 2008
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	

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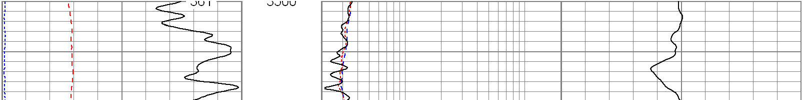

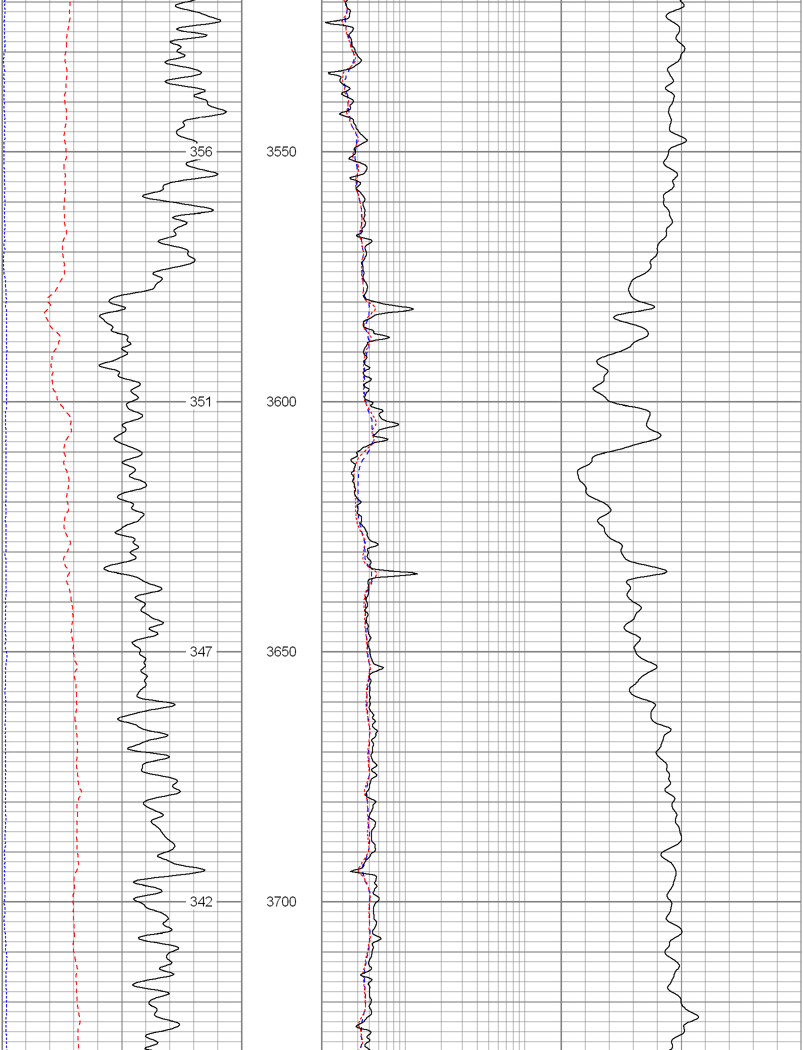

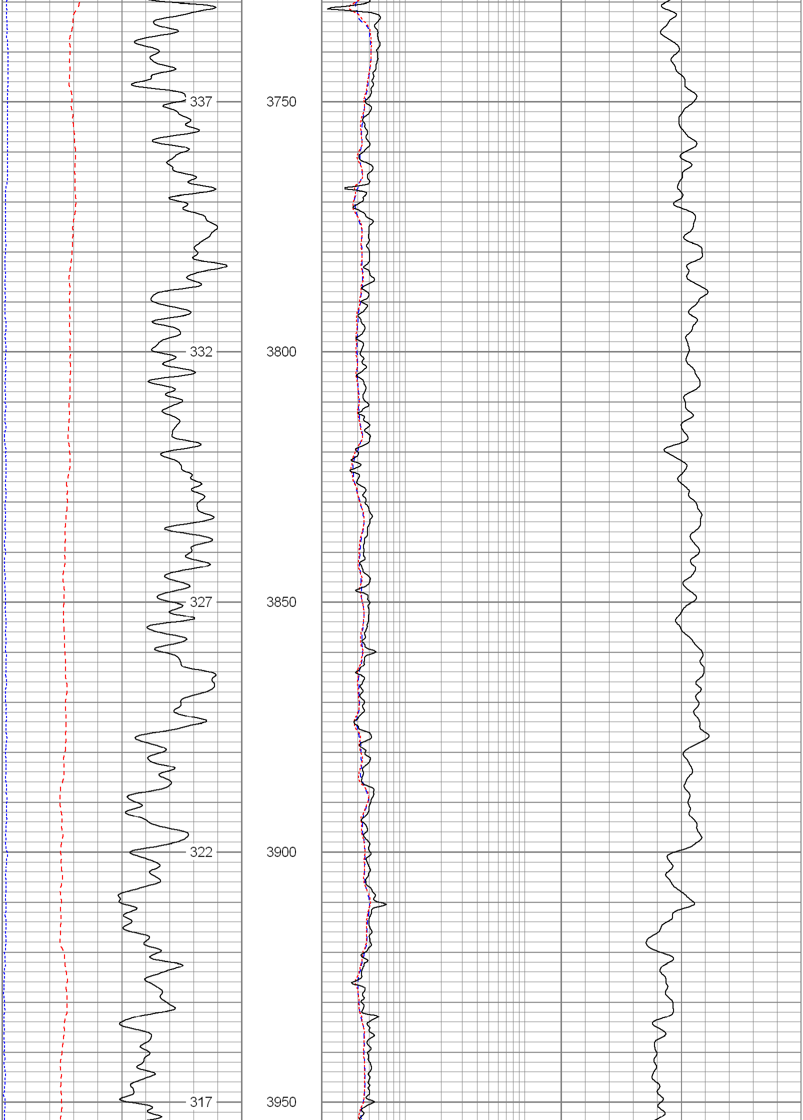

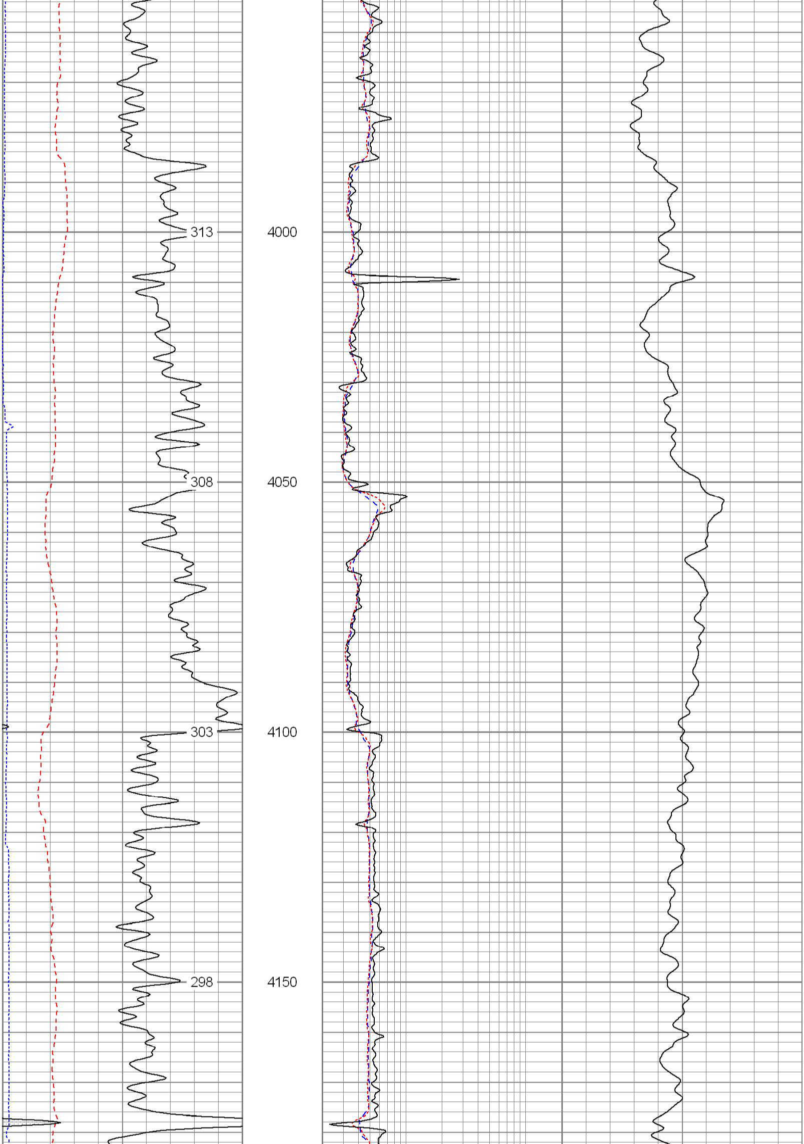

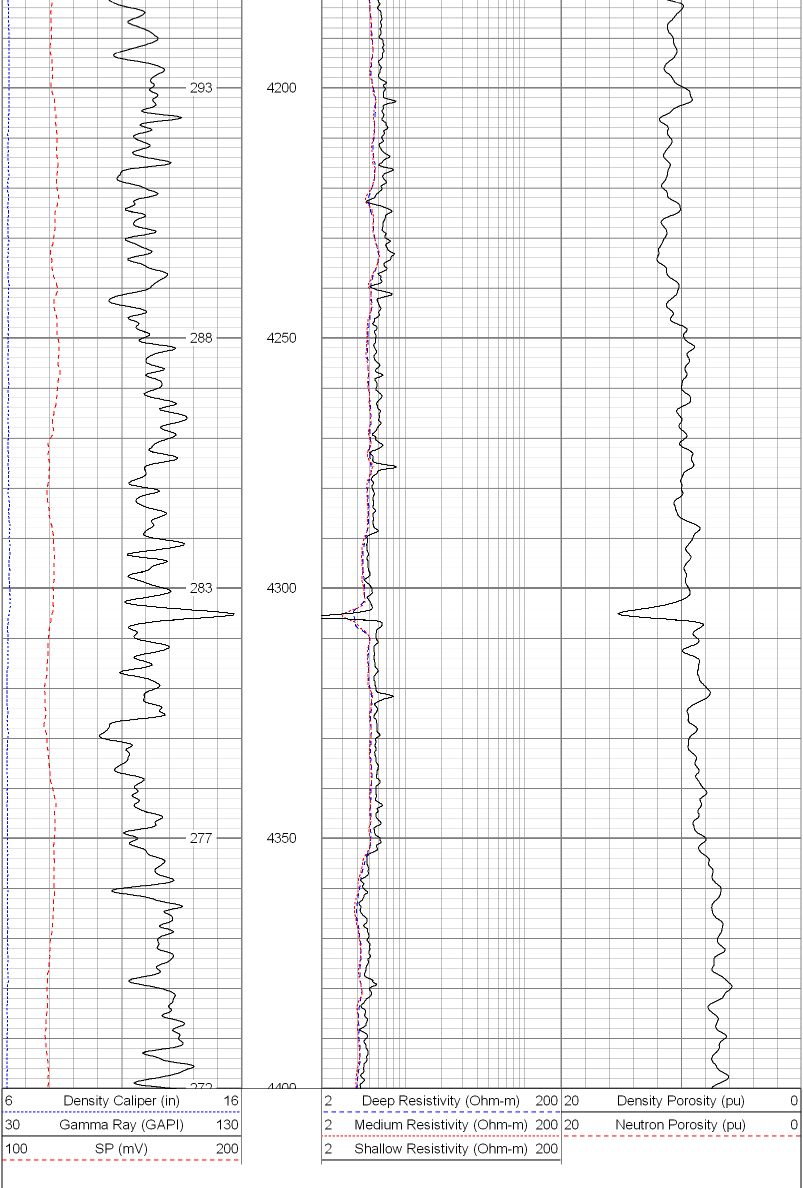

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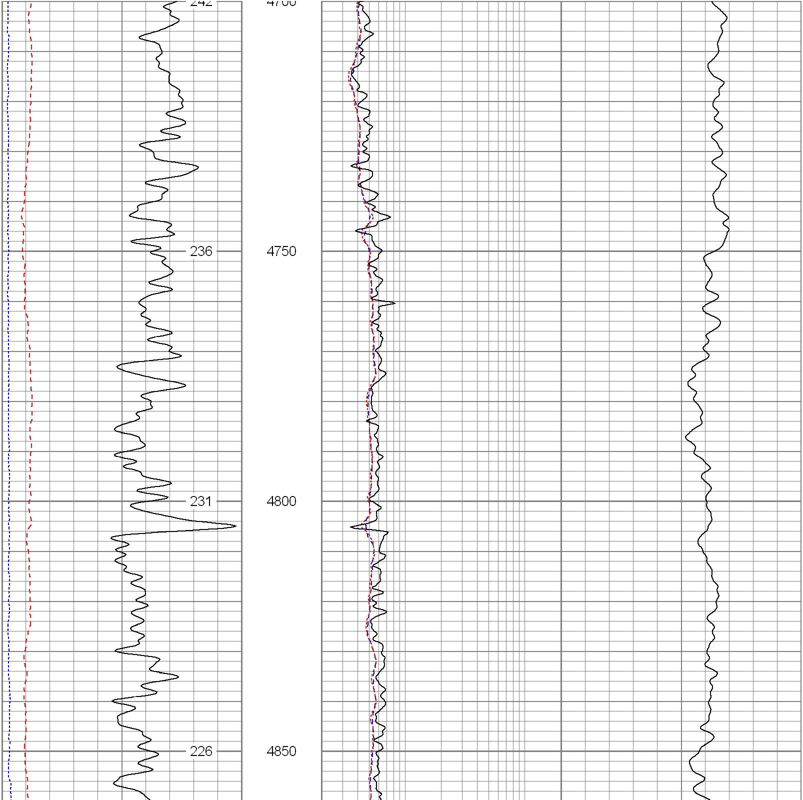

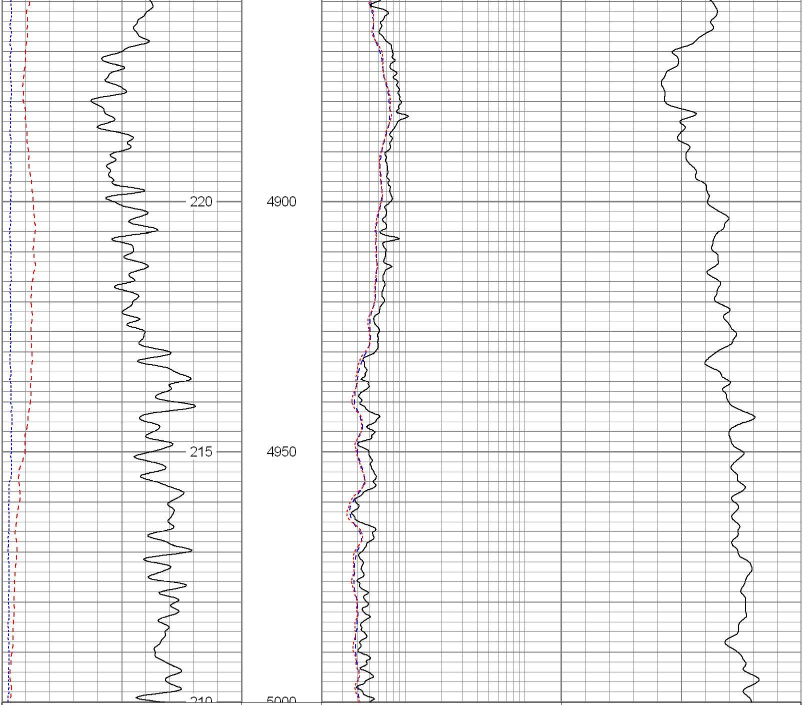

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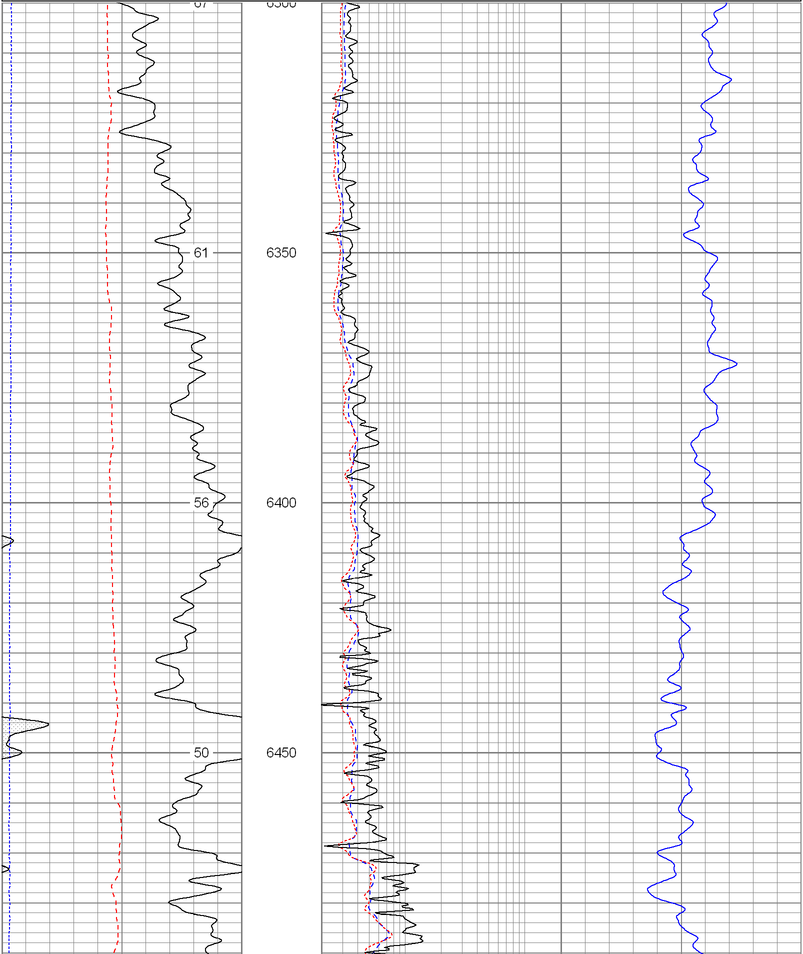

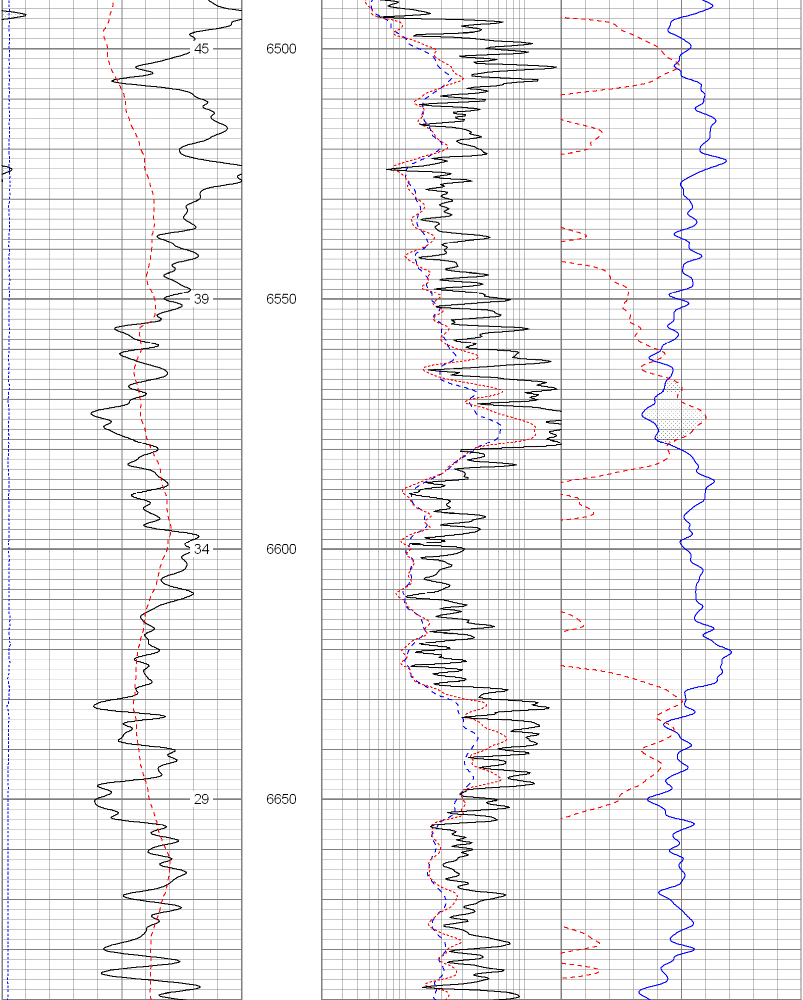

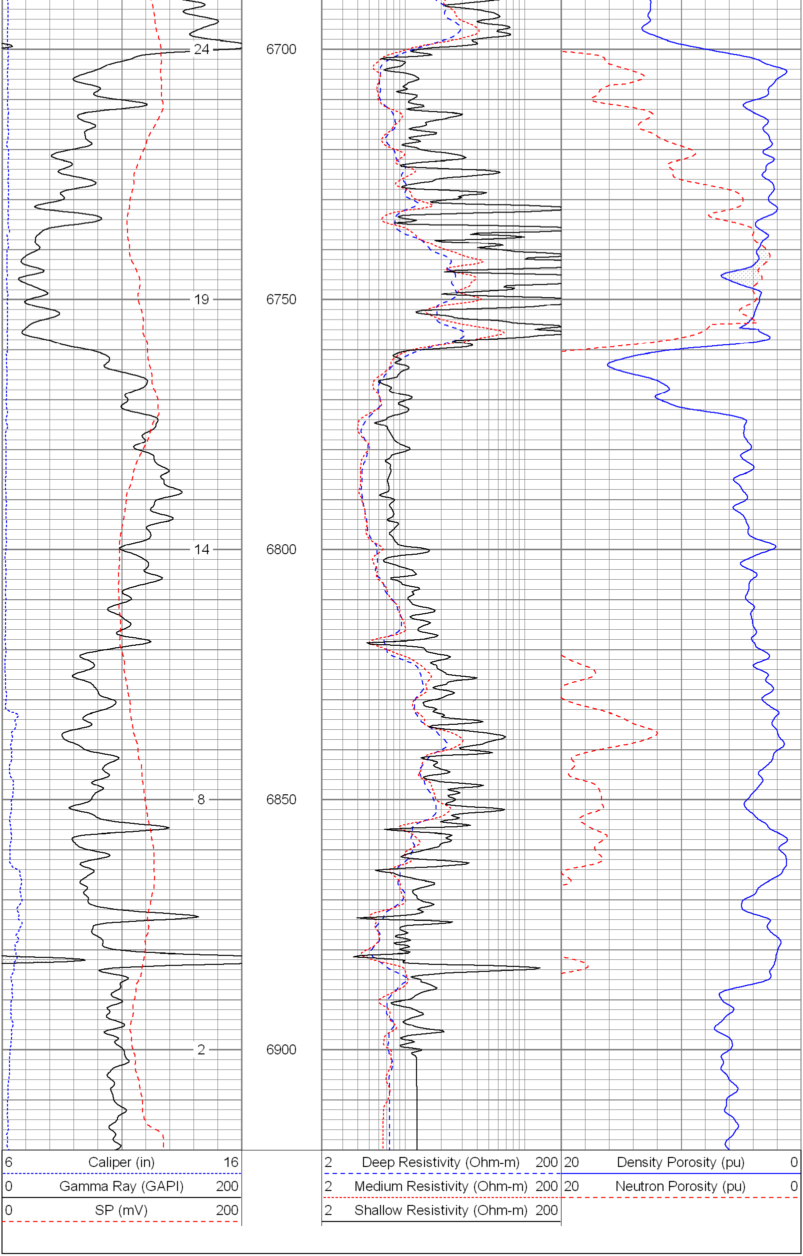
24
19
14
8
2
6700
6750
6800
6850
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