PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION

Company
Well
Field
County
State/Prv

Company Noble Energy Inc.
Well Foss 06-34
Field Wattenberg
County Weld **State/Province** Colorado

Location
500' FSL & 2076' FWL
SE SW
Sec - 6, Twp - 6N, Rge - 63W

Other Services
Density
Neutron
Microlog

Elevation
K.B. 4713
D.F. 4712
G.L. 4700

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

Date	February 3, 2012		
Run Number	1		
Depth Driller	7068		
Depth Logger	7062		
Bottom Logged Interval	7062		
Top Log Interval	Casing		
Casing Driller	523		
Casing Logger	523		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.2 / 50		
pH / Fluid Loss	9.5 / 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.95 @ 60 F		
Rmf @ Meas. Temp	2.36 @ 60 F		
Rmc @ Meas. Temp	3.54 @ 60 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.95 @ 203 F		
Time Circulation Stopped	1900 2/2		
Time Logger on Bottom	0315		
Maximum Recorded Temperature	203 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Loyd		

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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

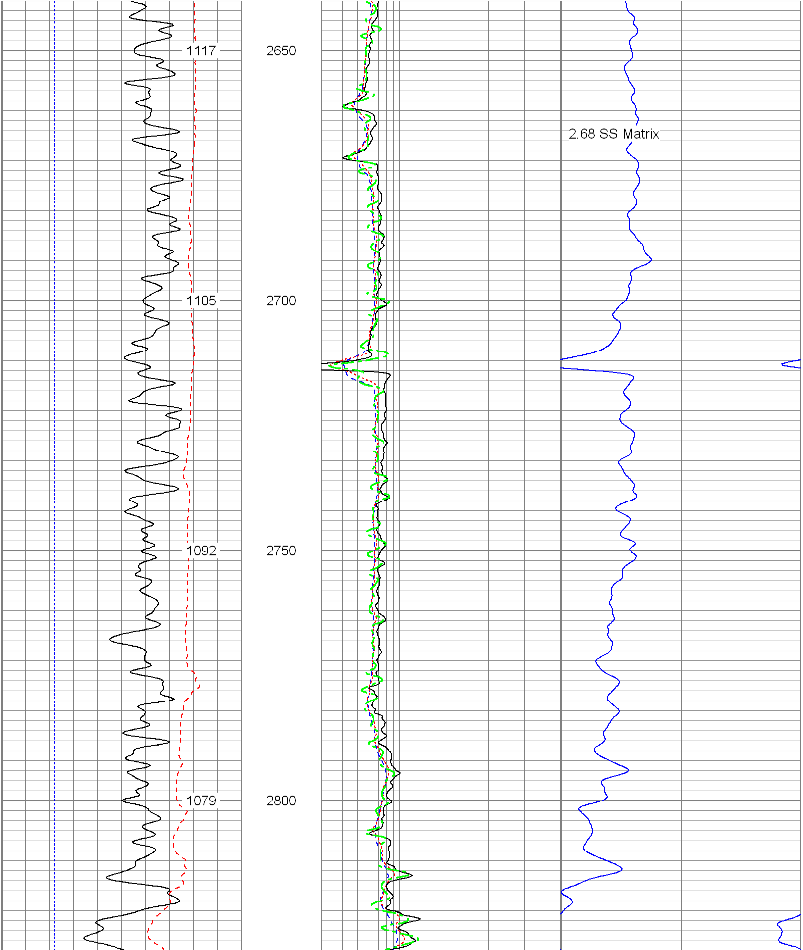
Annular volume calculated for 4.5" casing
Cade Drilling Rig 21
Thank you for using Phoenix Surveys!!
API #: 05-123-24292-00

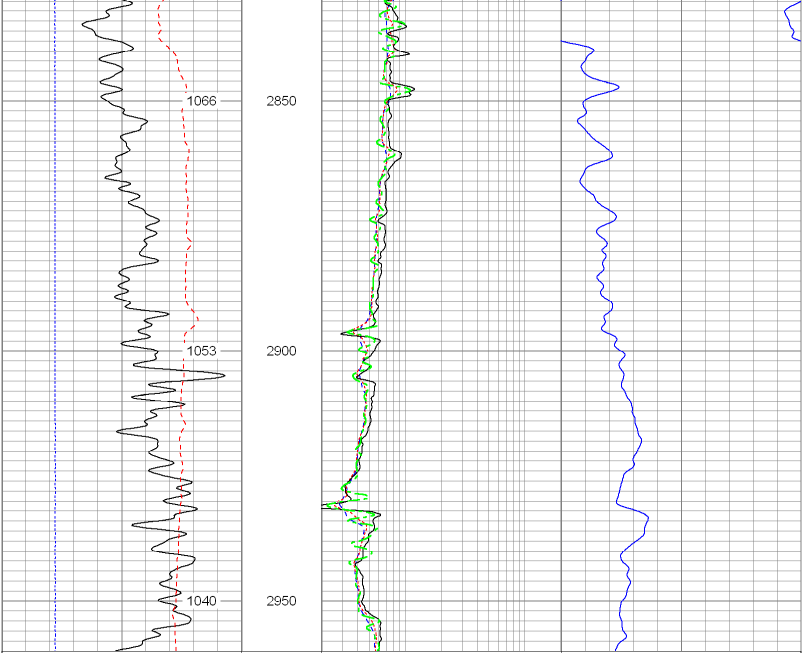
Database File: 12603.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Fri Feb 03 03:39:02 2012
Charted by: Depth in Feet scaled 1:240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
50 SP (mV) 150
ABHV (ft3)

2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0





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			
	ABHV (ft3)		2	Rt (Ohm-m)	200			

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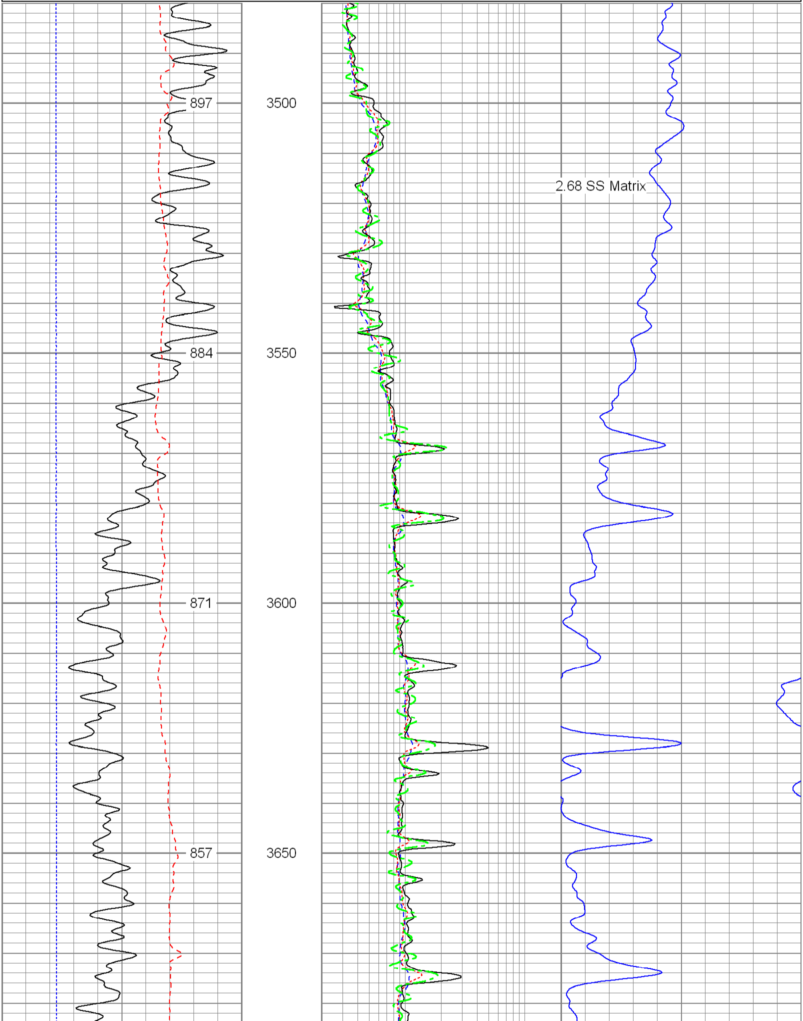

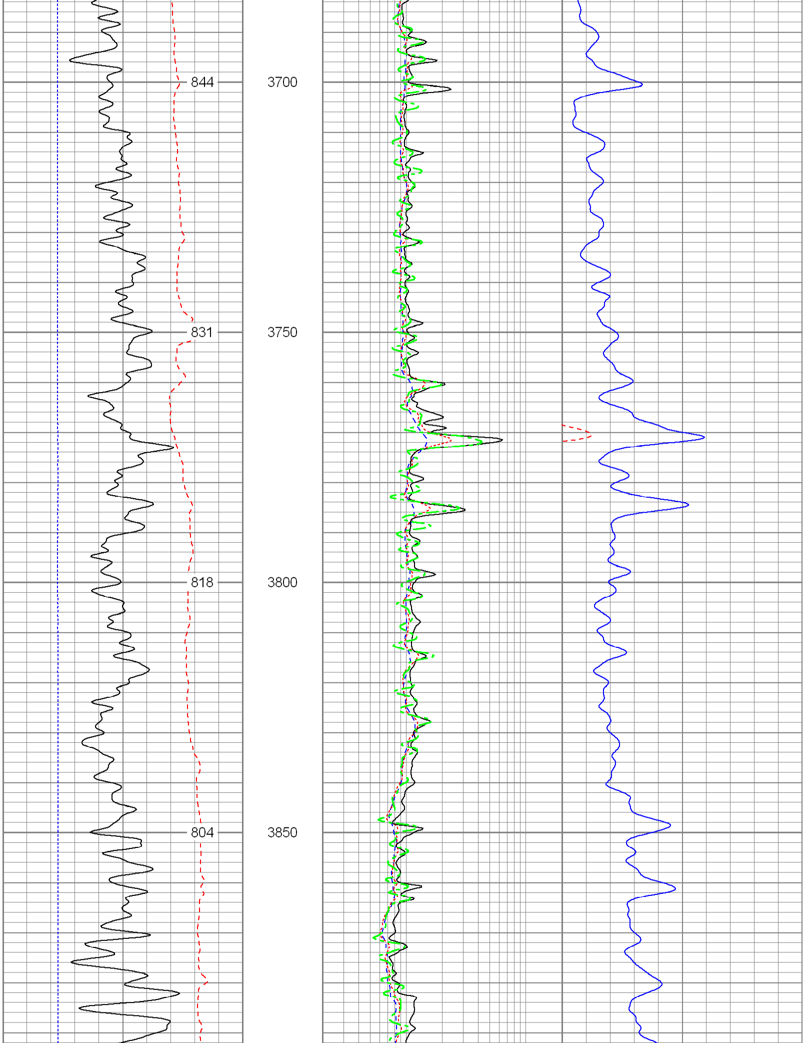

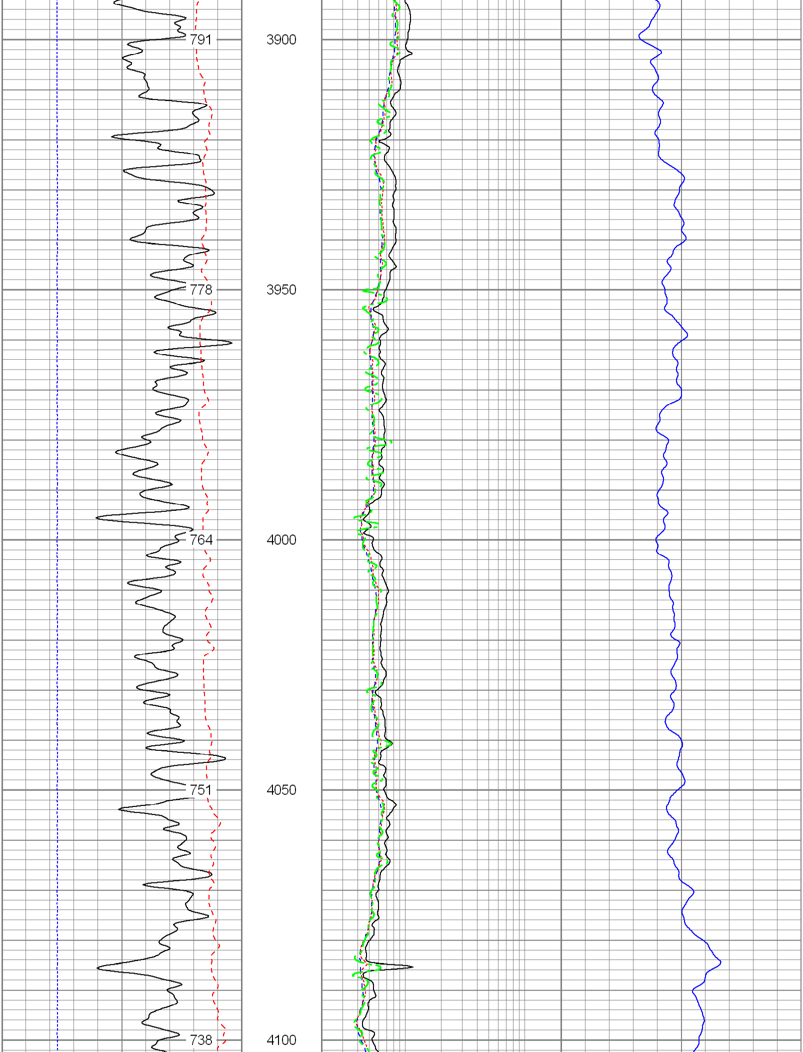

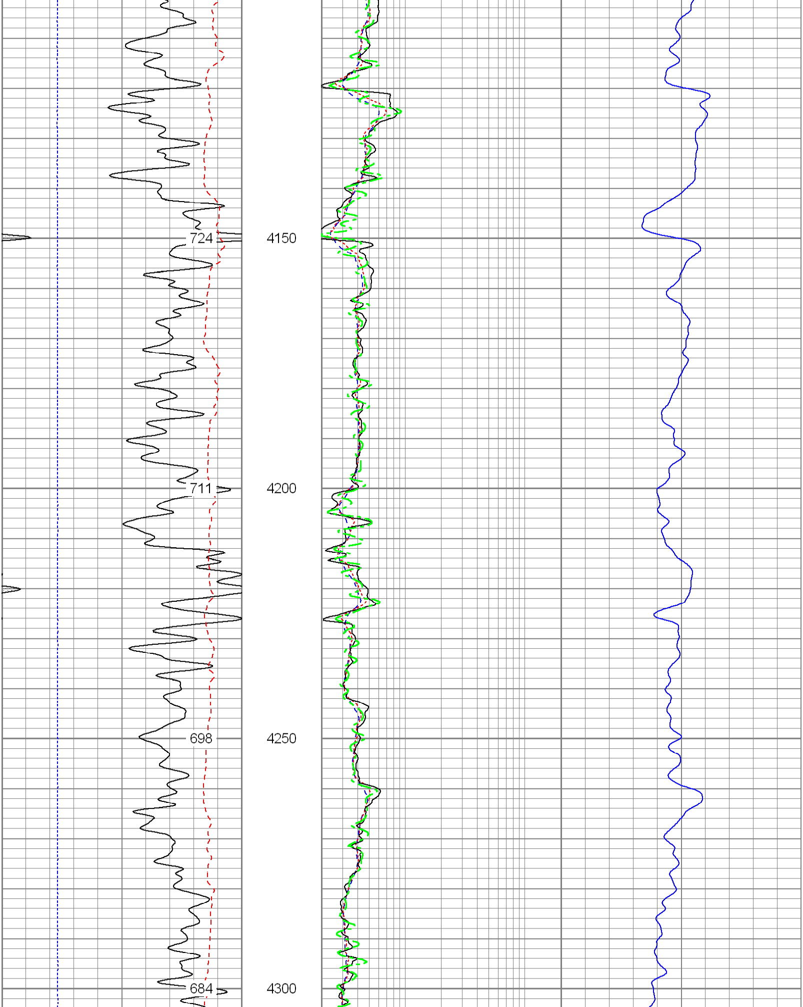

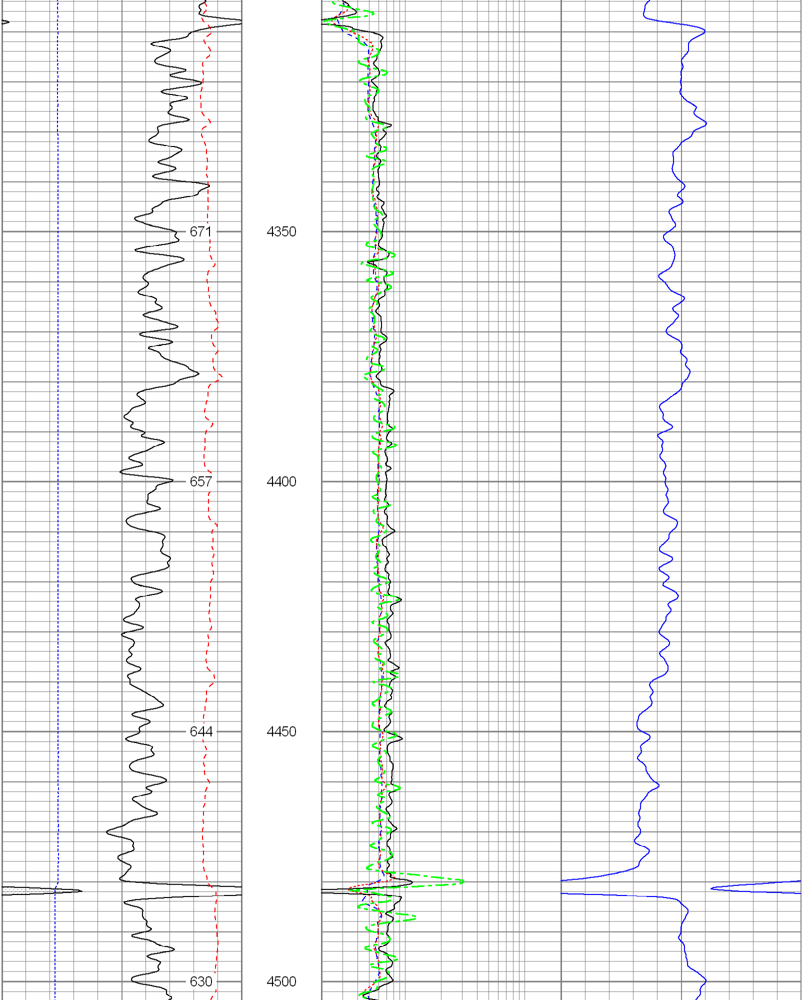

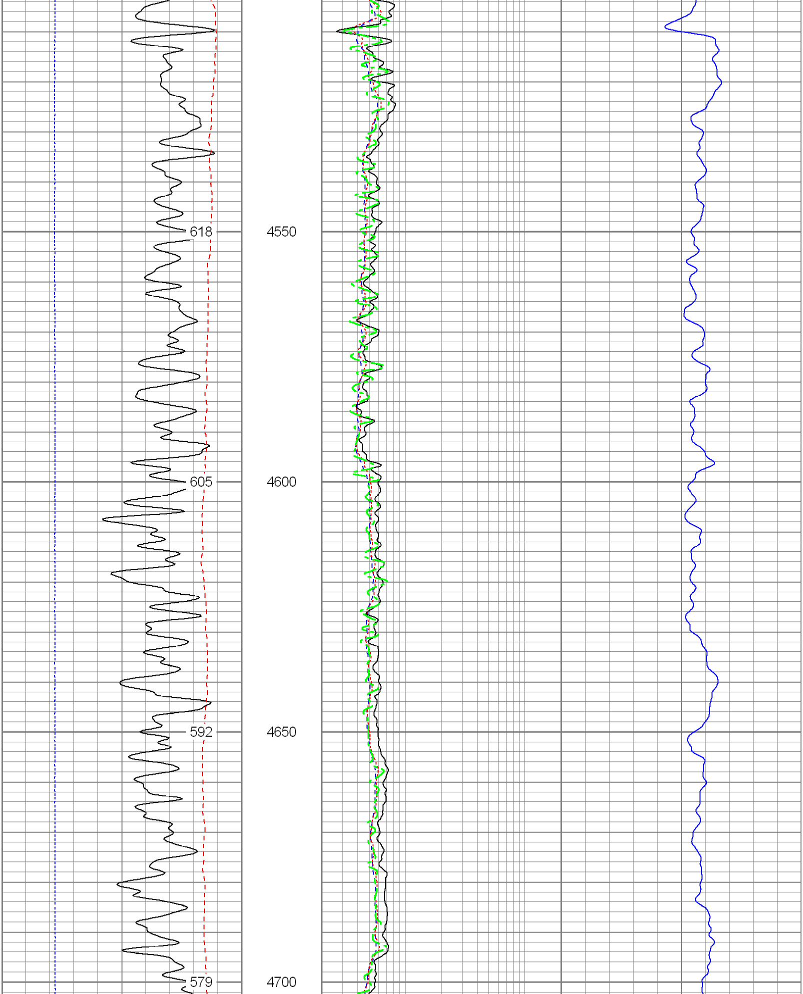

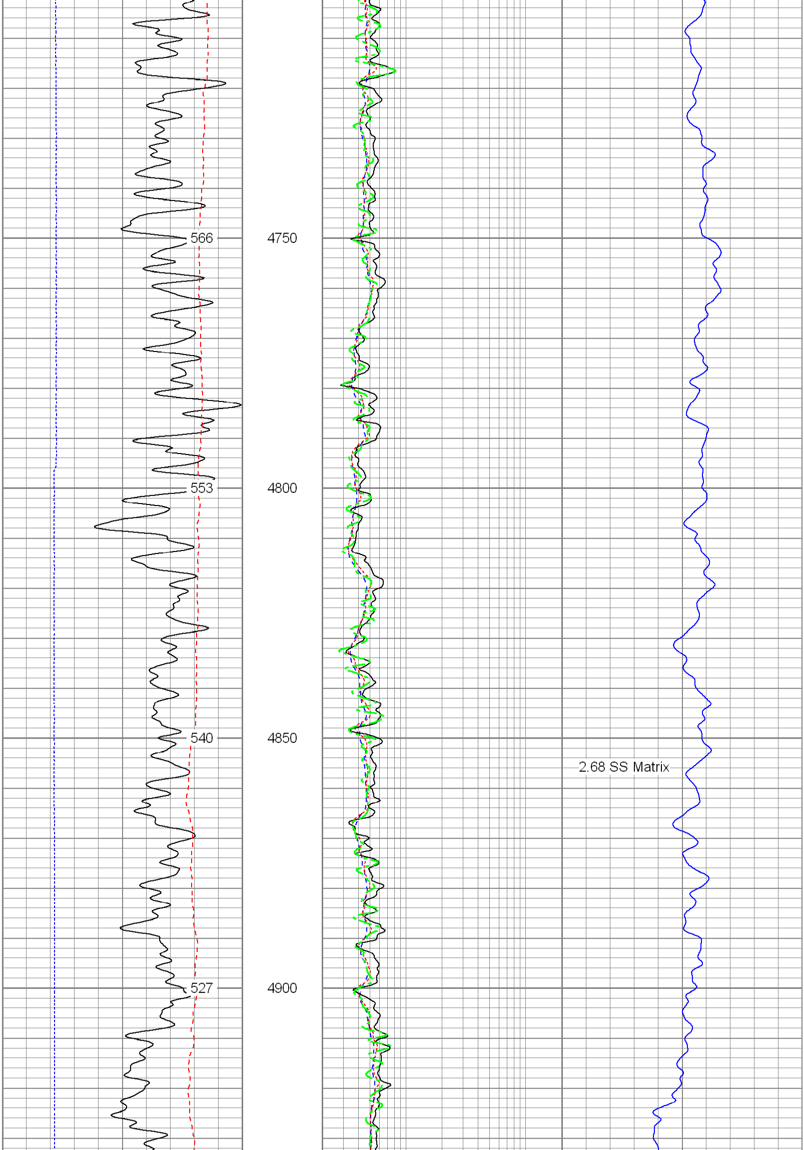

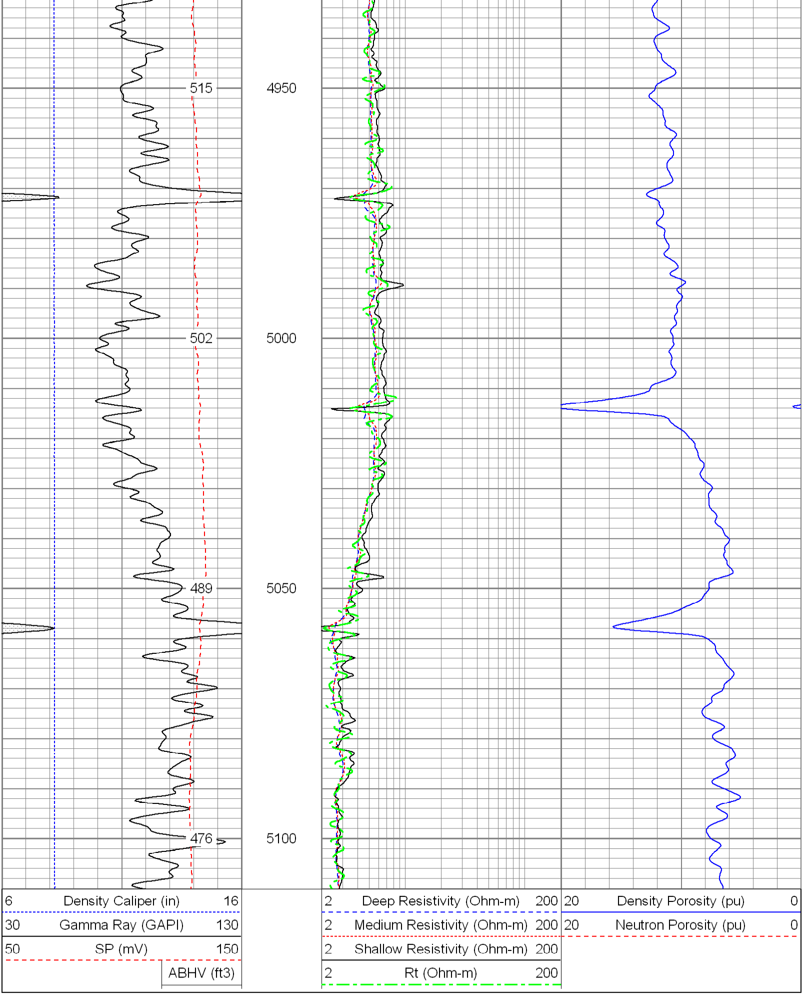

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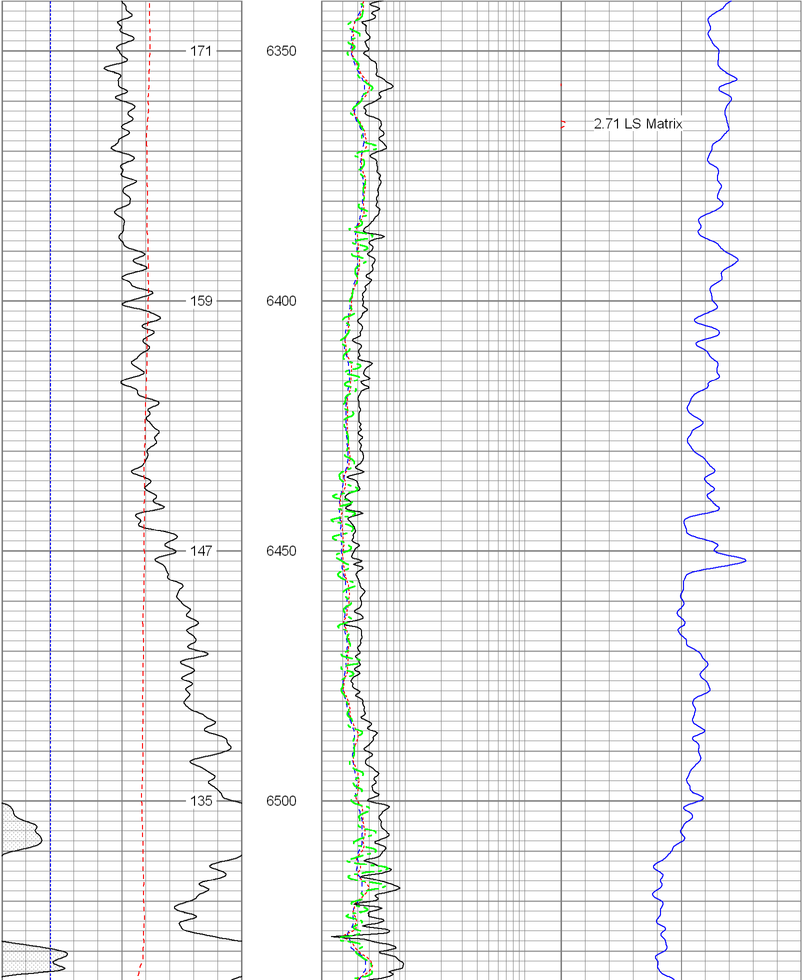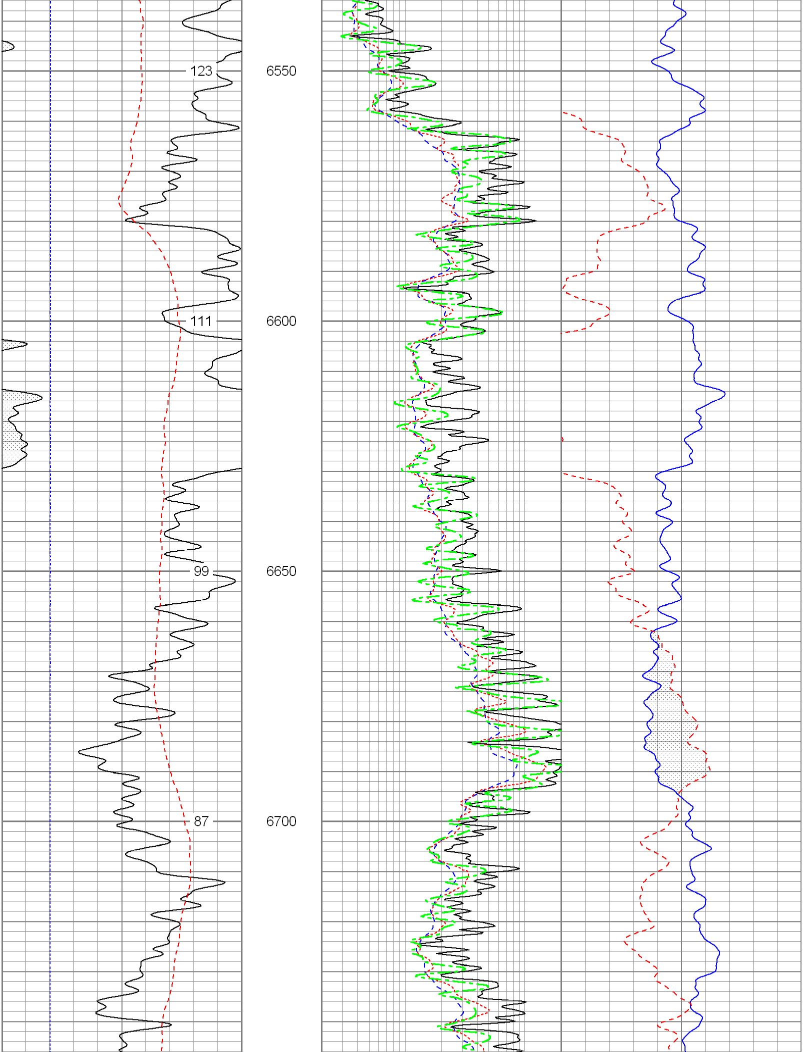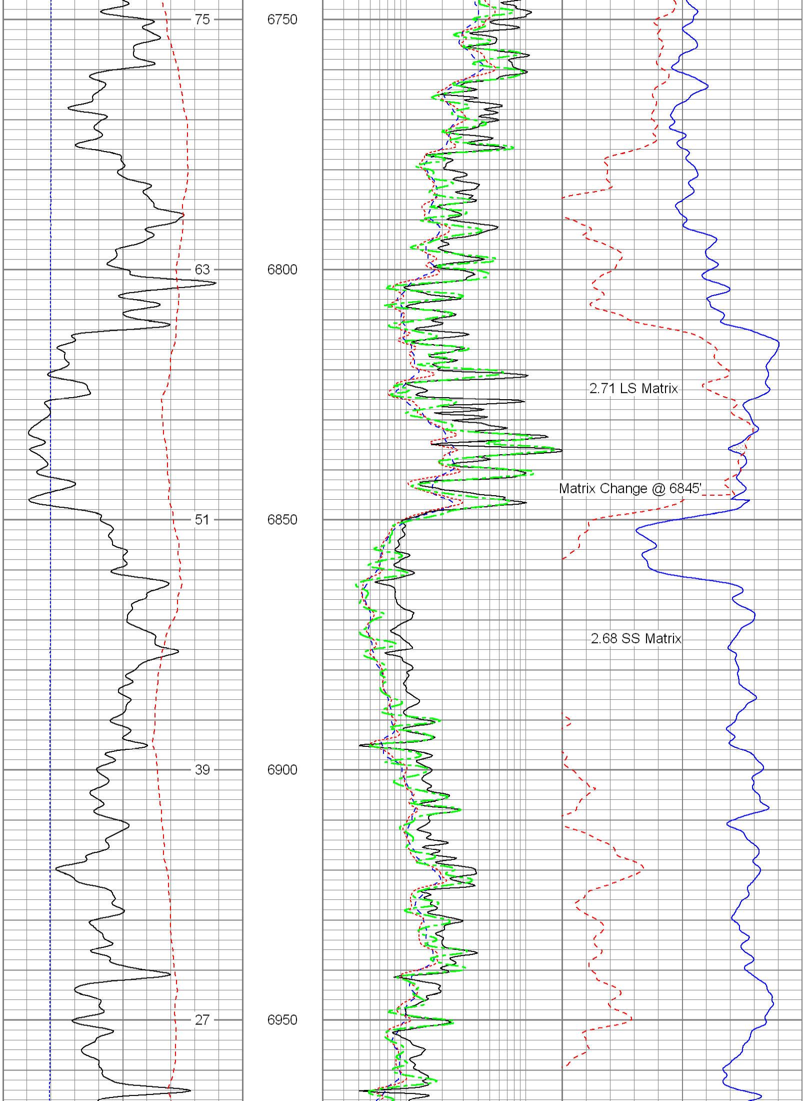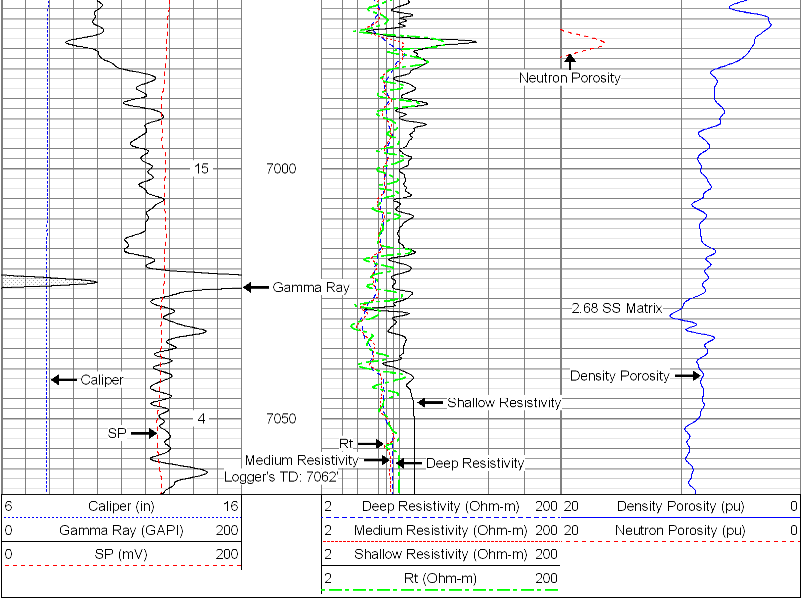20	Density Porosity (pu)	0
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