PSI
PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Noble Energy Inc.
Well	Wells Ranch AF 07-01
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
845' FNL & 699' FEL
NE NE
Sec. 7, Twp. 5N, Rge. 62W

Other Services
Density
Neutron
Microlog

Permanent Datum	GL	Elevation	4652
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4666
D.F. 4665
G.L. 4652

Date	October 9, 2010		
Run Number	1		
Depth Driller	6728		
Depth Logger	6727		
Bottom Logged Interval	6727		
Top Log Interval	Casing		
Casing Driller	561		
Casing Logger	561		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.4 / 27		
pH / Fluid Loss	6.0 / 39.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.61 @ 74 F		
Rmf @ Meas. Temp	2.09 @ 74 F		
Rmc @ Meas. Temp	3.13 @ 74 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.13 @ 201 F		
Time Circulation Stopped	1400		
Time Logger on Bottom	1515		
Maximum Recorded Temperature	201 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	John Drahota		

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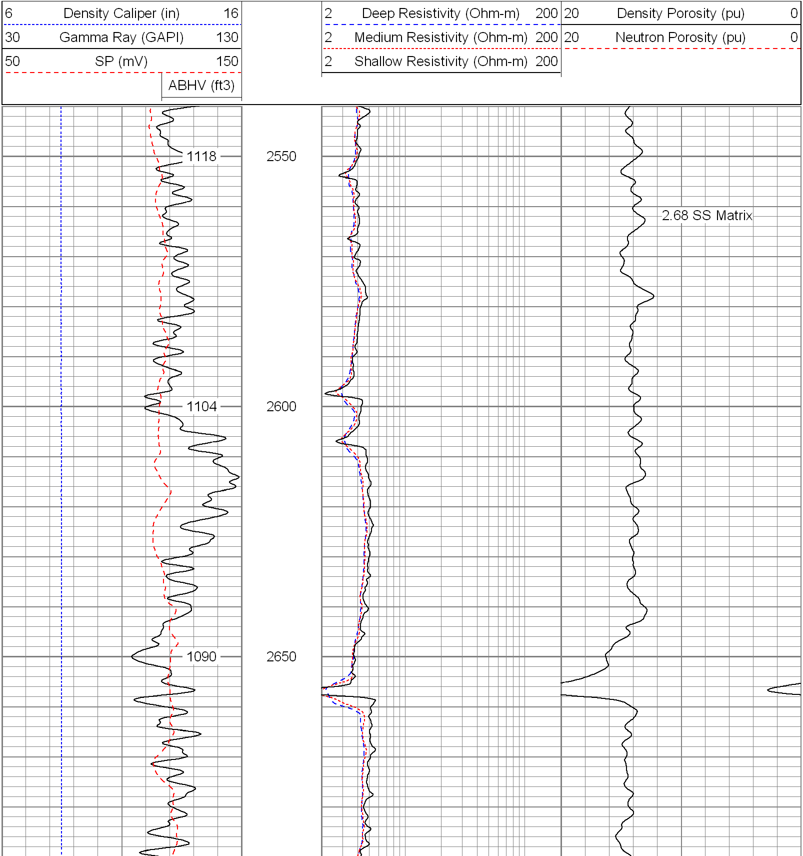
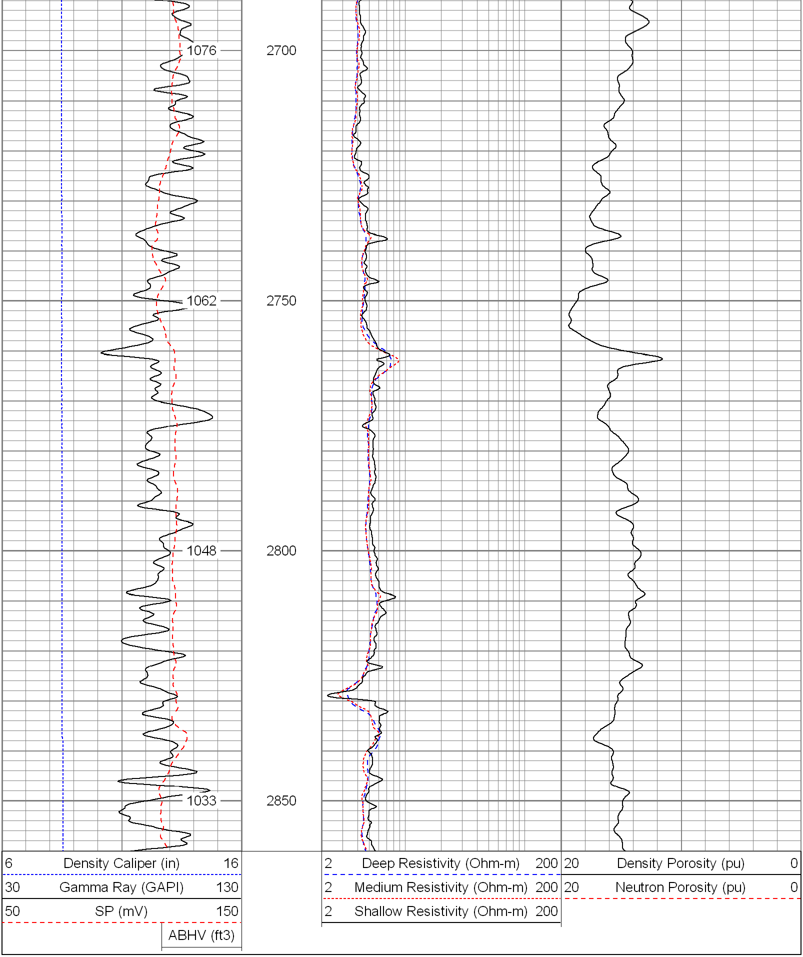
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 22
Thank you for using Phoenix Surveys!!
API #: 05-123-31604-00

Database File: 10943.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sat Oct 09 16:14:53 2010
Charted by: Depth in Feet scaled 1:240





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6 Density Caliper (in) 16

30 Gamma Ray (GAPI) 130

50 SP (mV) 150

ABHV (ft3)

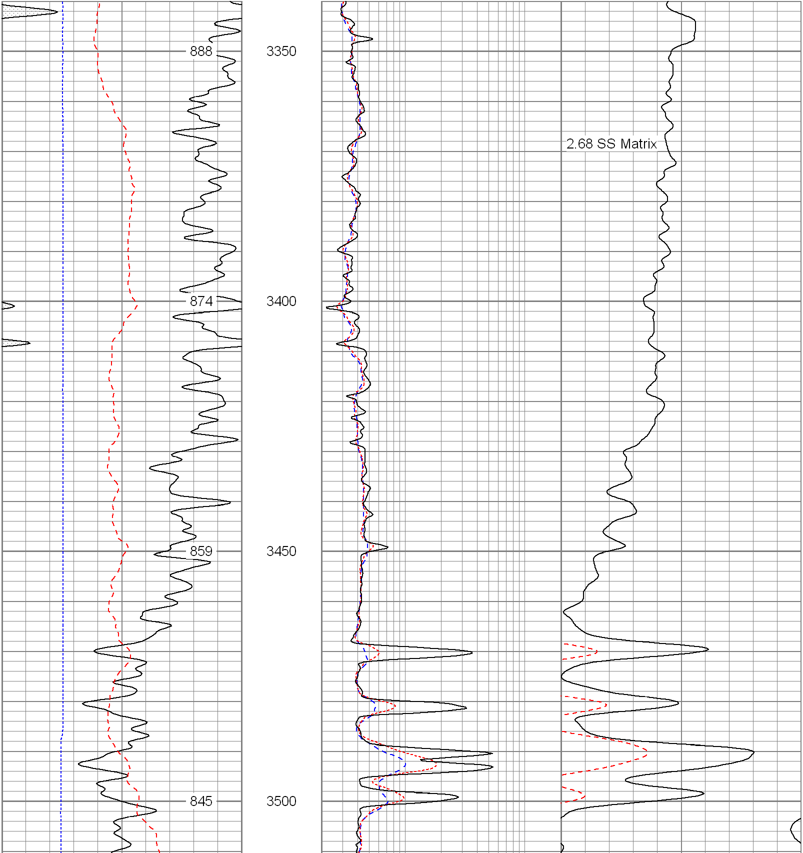
2 Deep Resistivity (Ohm-m) 200

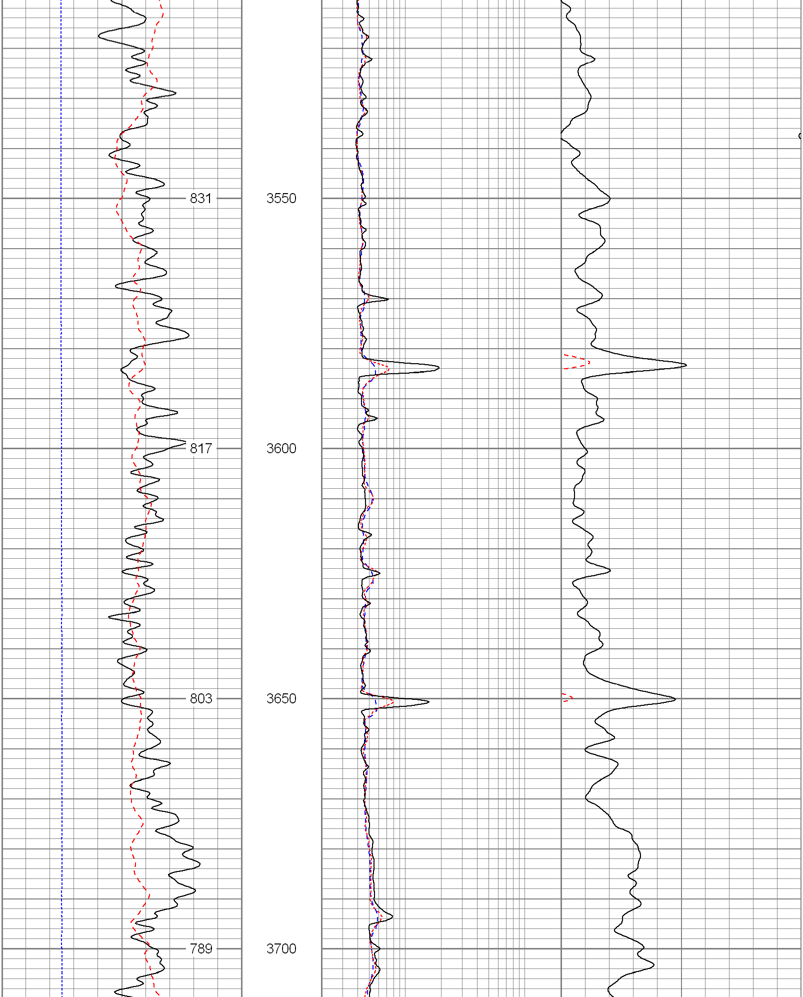
2 Medium Resistivity (Ohm-m) 200

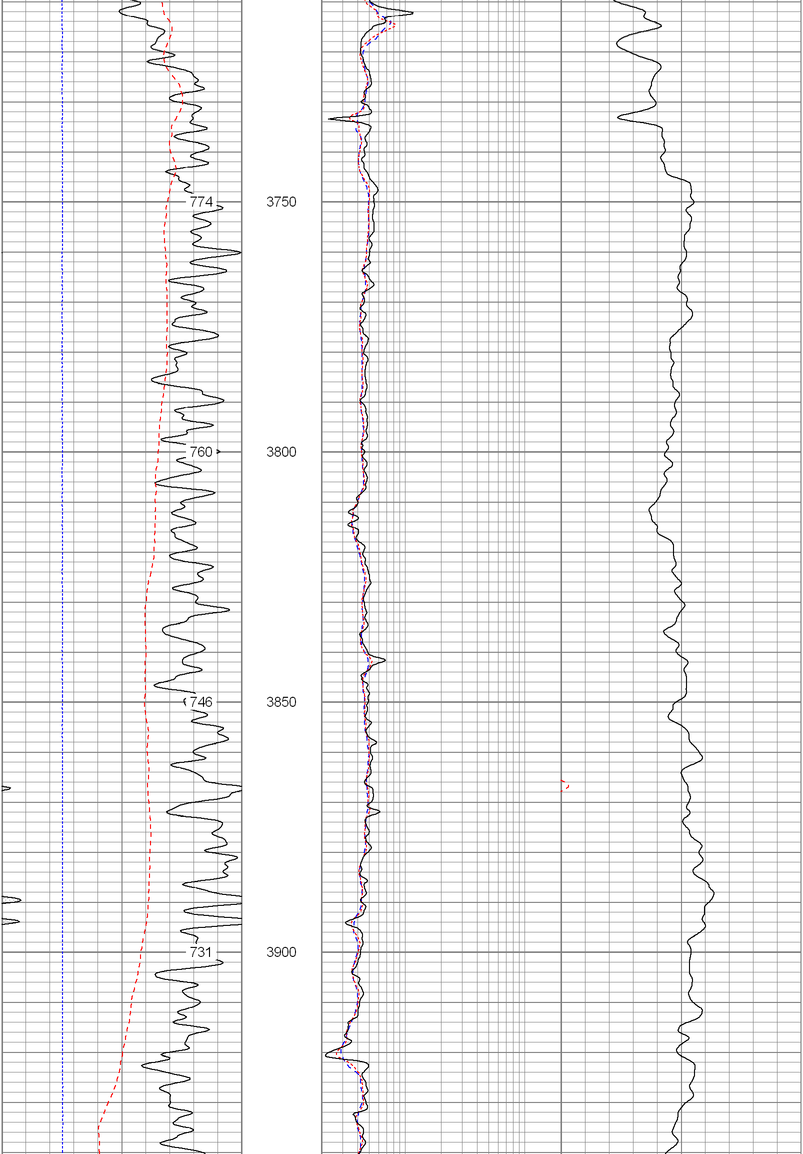
2 Shallow Resistivity (Ohm-m) 200

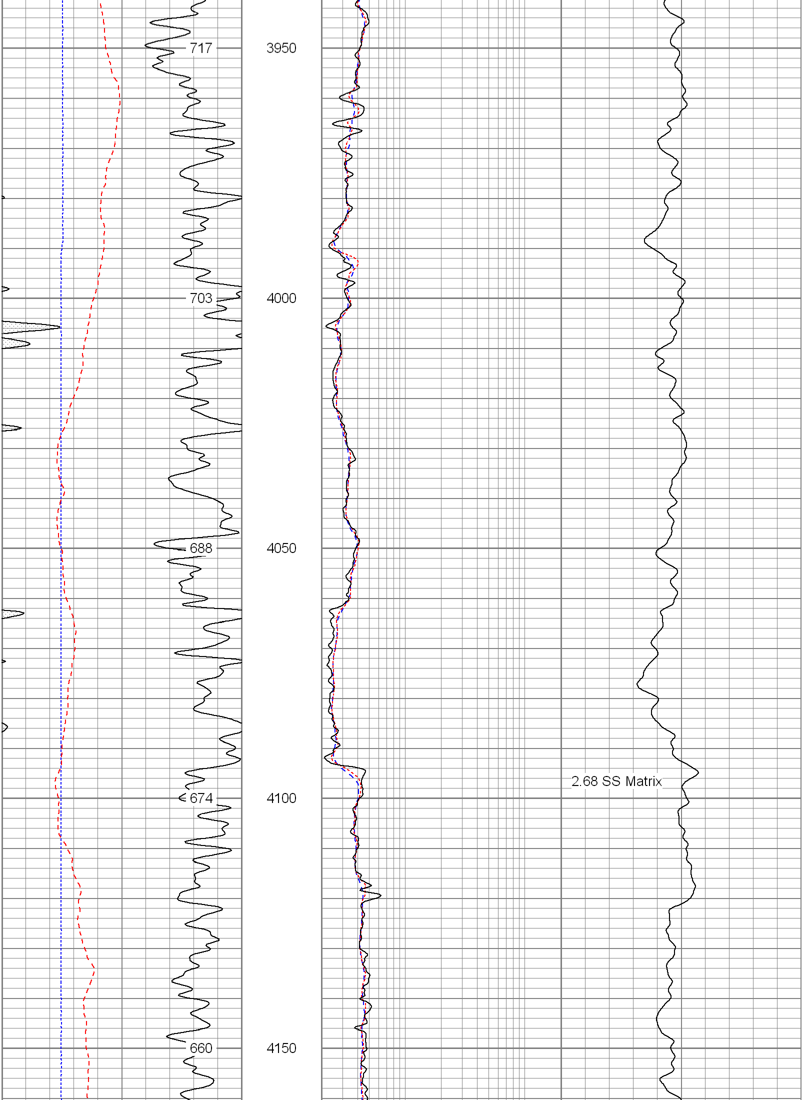
20 Density Porosity (pu) 0

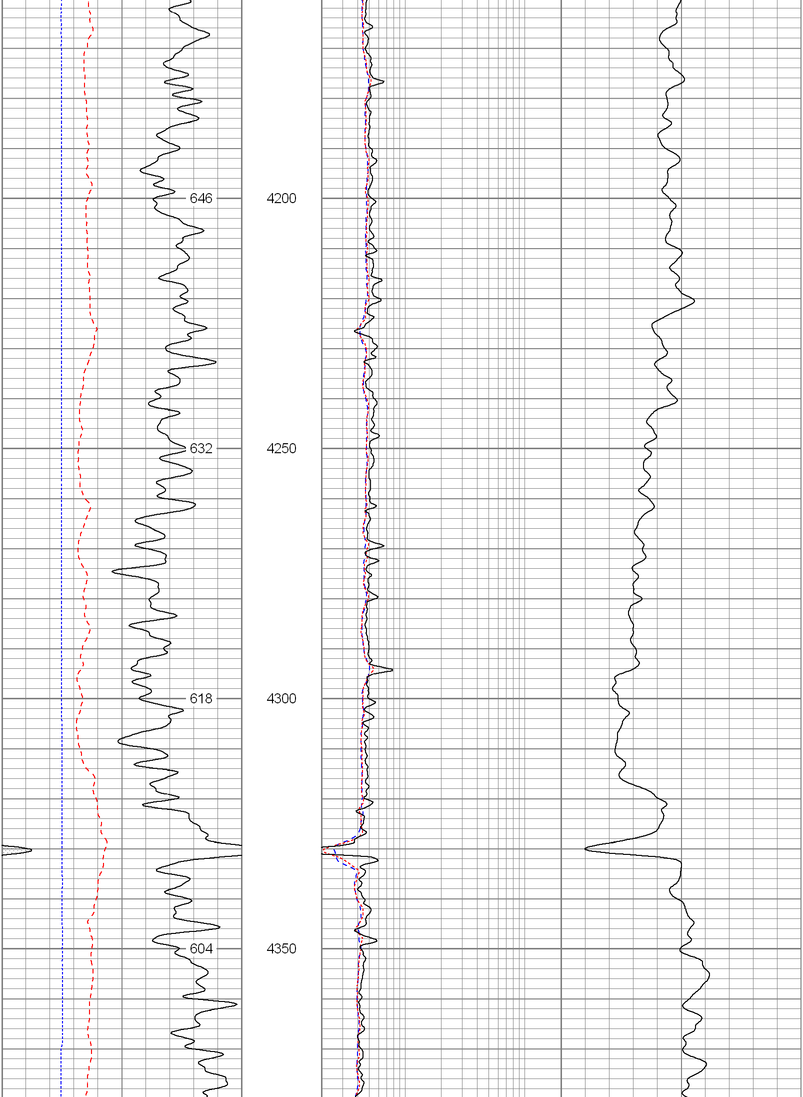
20 Neutron Porosity (pu) 0

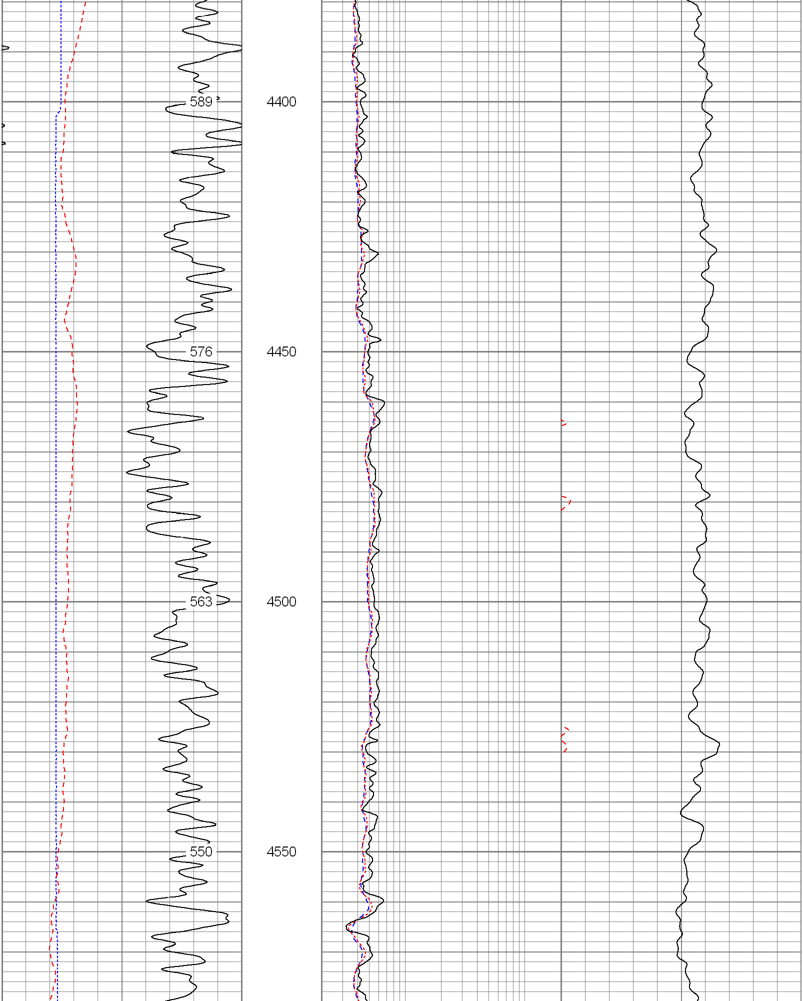


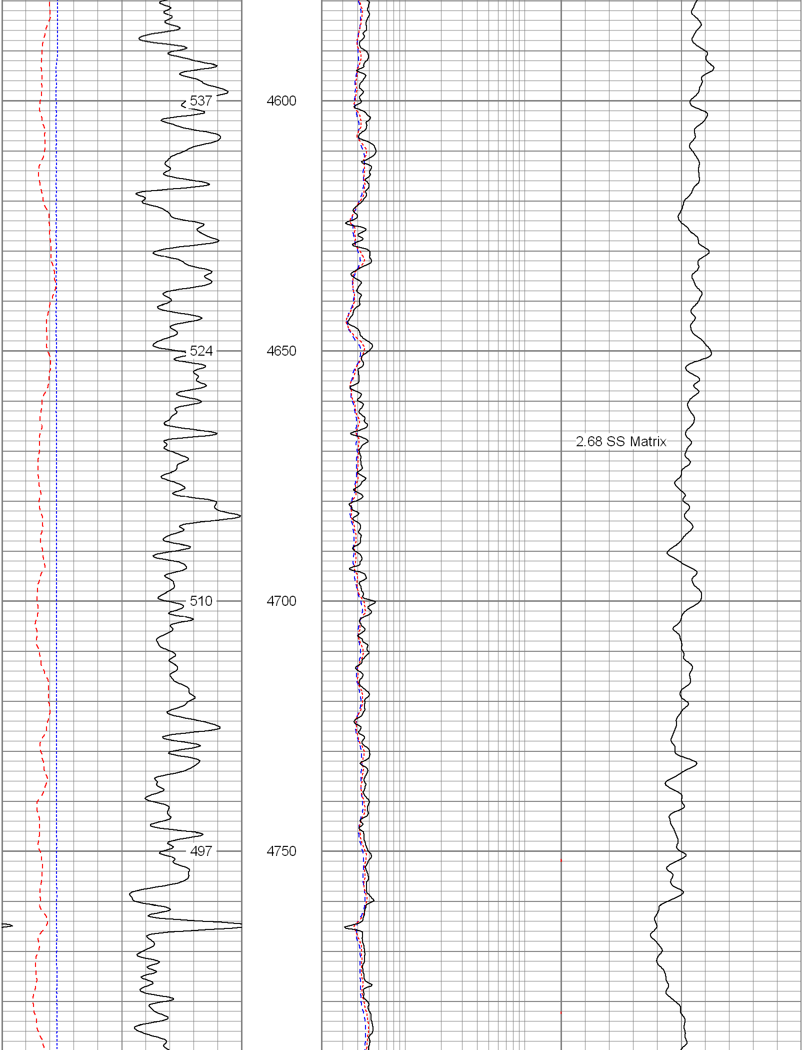


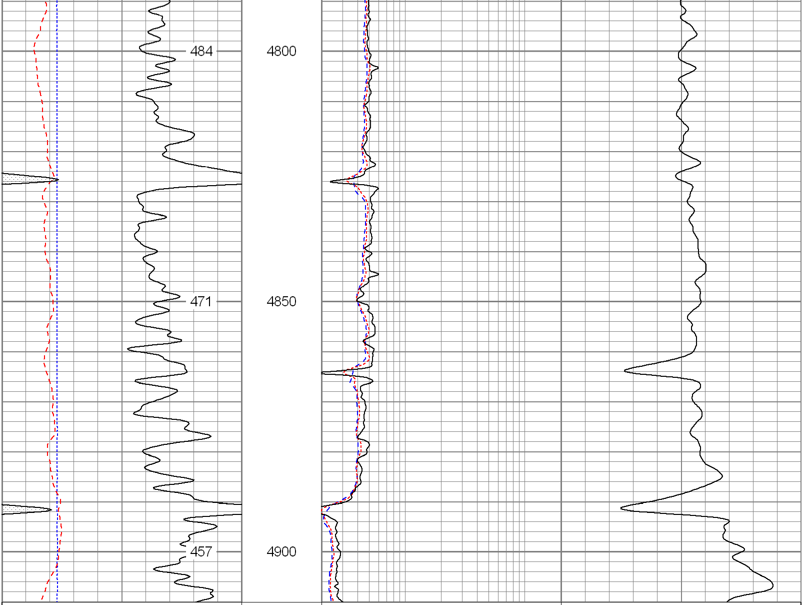












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50 SP (mV) 150	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)		

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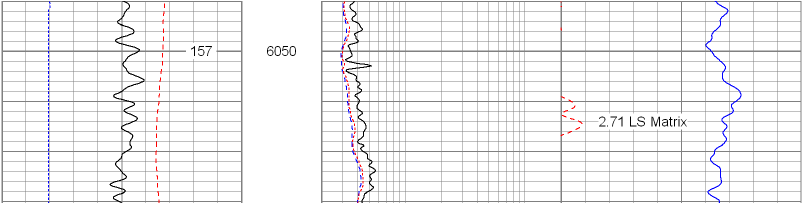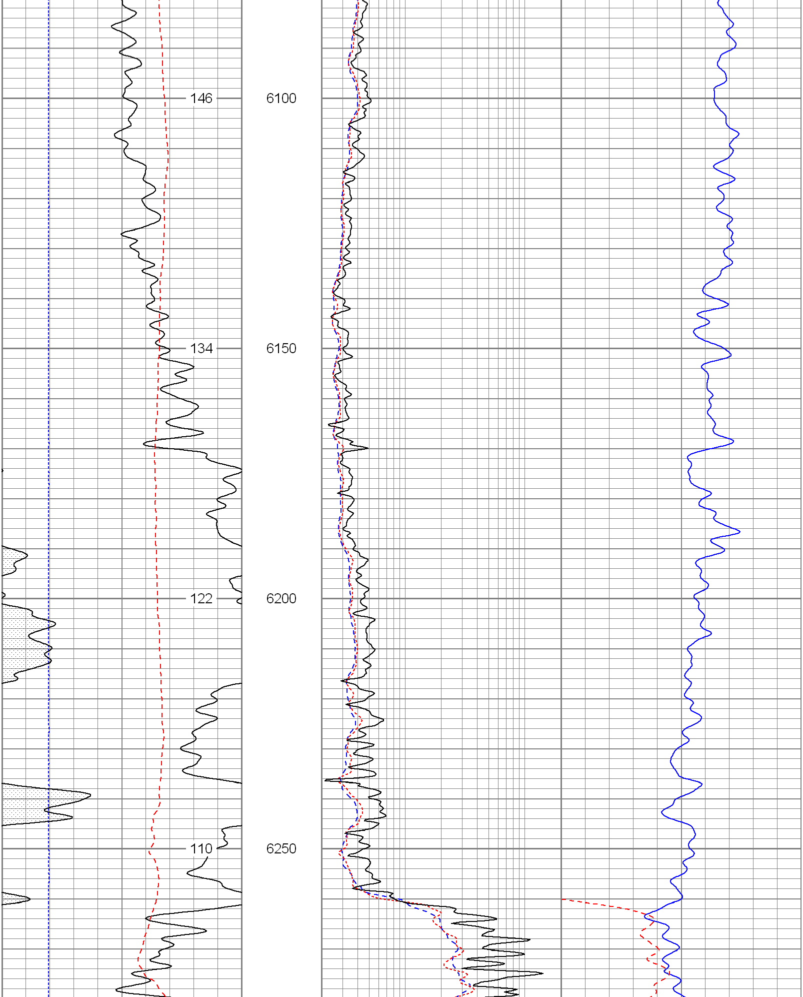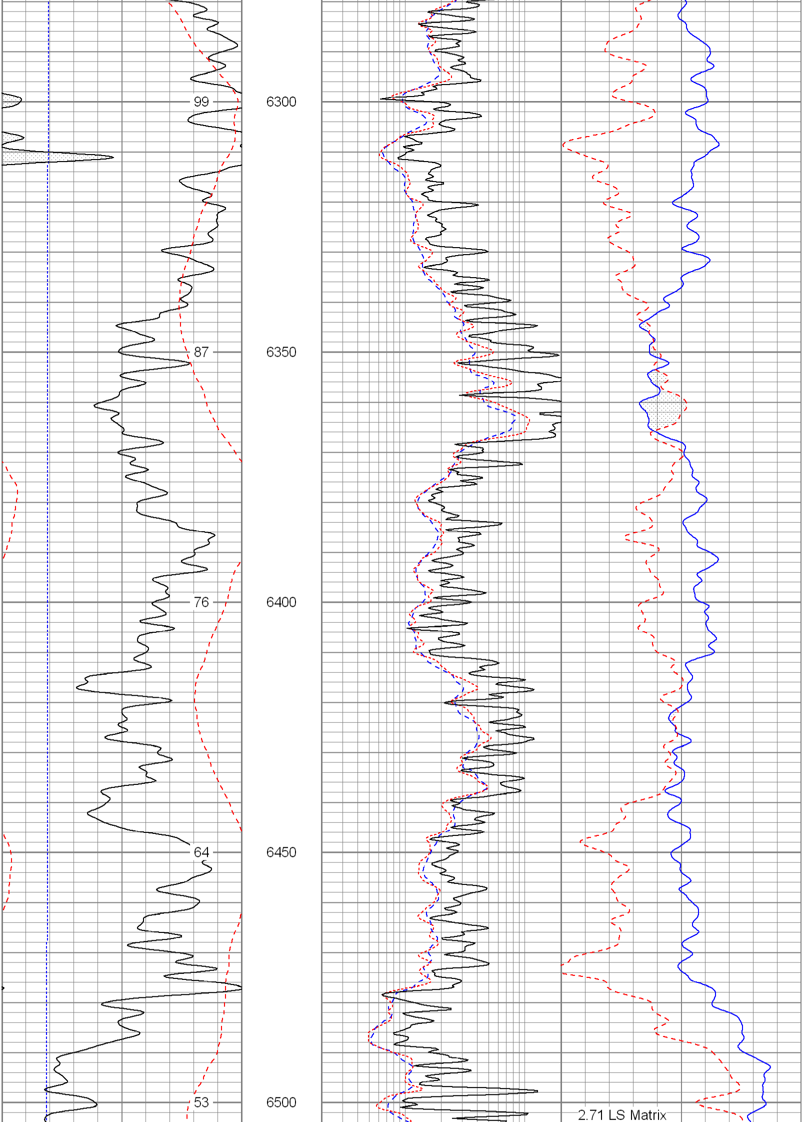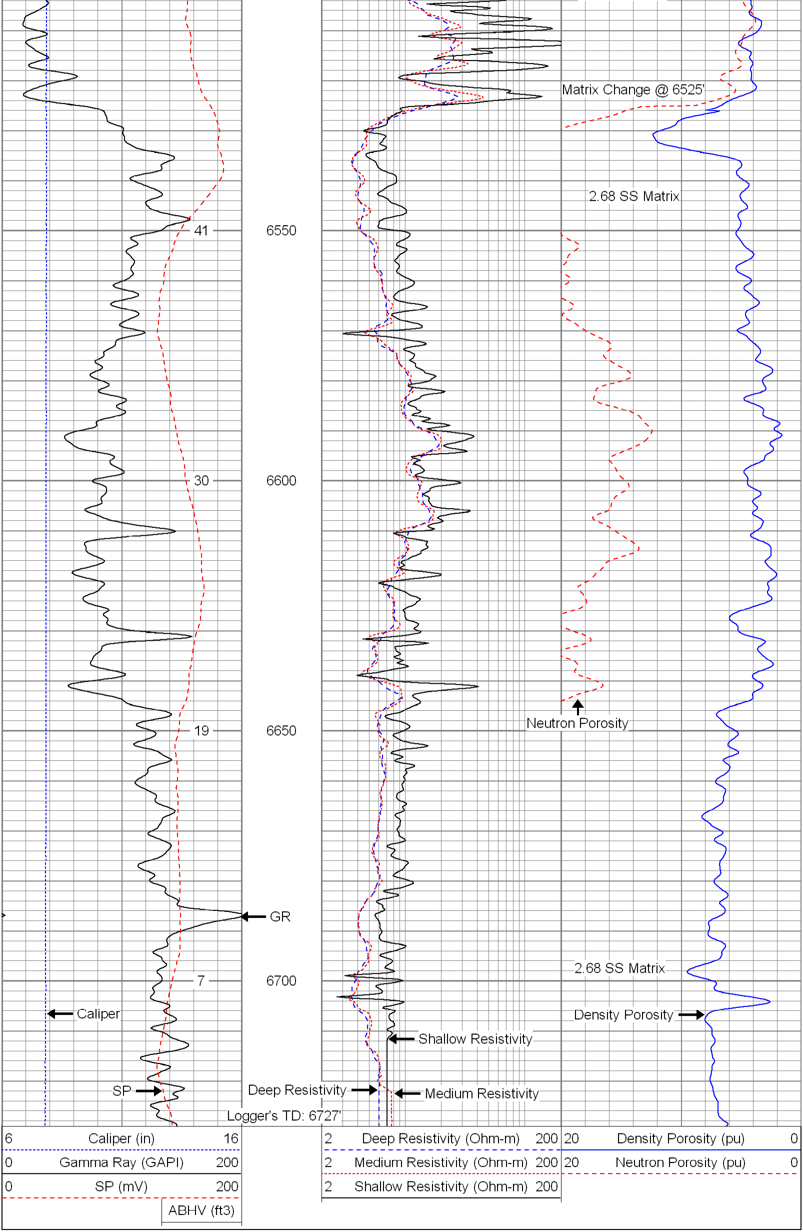6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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