PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG
HIGH RESOLUTION INDUCTION

Company
Well
Field
County
State/Prv

Company	**Noble Energy Inc.**
Well	**LDS D08-28D**
Field	**Wattenberg**
County	**Weld**
State/Province	**Colorado**
Location	SHL: 189' FSL & 1362' FWL SESW BHL: 201' FSL & 2383' FWL SESW Sec - 5, Twp - 3N, Rge - 64W
Other Services	none

Elevation
K.B. 4766
D.F. 4766
G.L. 4753

Permanent Datum	GL	Elevation 4753
Log Measured From	KB	
Drilling Measured From	KB	

Date	March 25, 2012		
Run Number	1		
Depth Driller	7284		
Depth Logger	7063		
Bottom Logged Interval	7063		
Top Log Interval	Casing		
Casing Driller	744		
Casing Logger	744		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.8 / 40		
pH / Fluid Loss	8.0 / 12.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.60 @ 71 F		
Rmf @ Meas. Temp	2.08 @ 71 F		
Rmc @ Meas. Temp	3.12 @ 71 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.90 @ 205 F		
Time Circulation Stopped	0245		
Time Logger on Bottom	0930		
Maximum Recorded Temperature	205 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Bryant Dear		

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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.

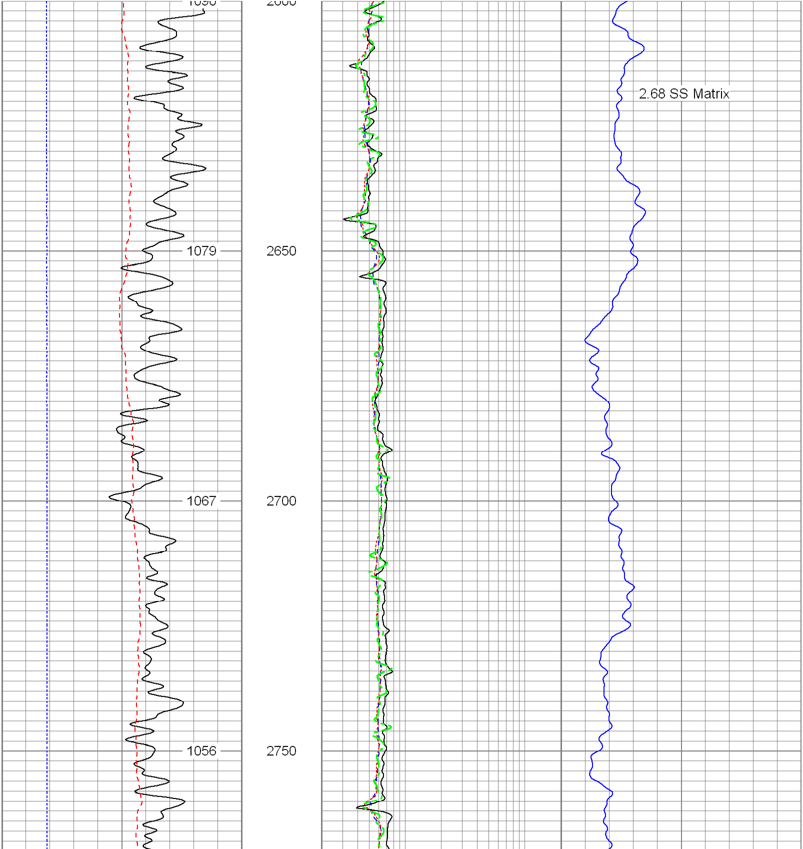
Comments

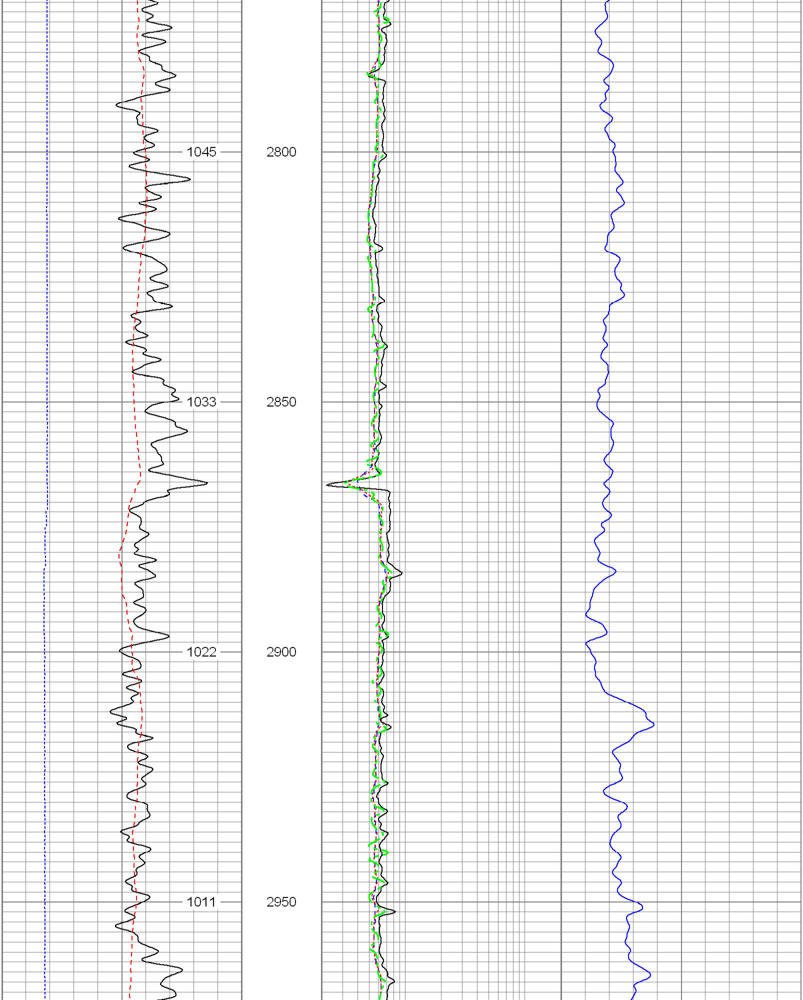
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 136
Thank you for using Phoenix Surveys!!
API #: 05-123-31993

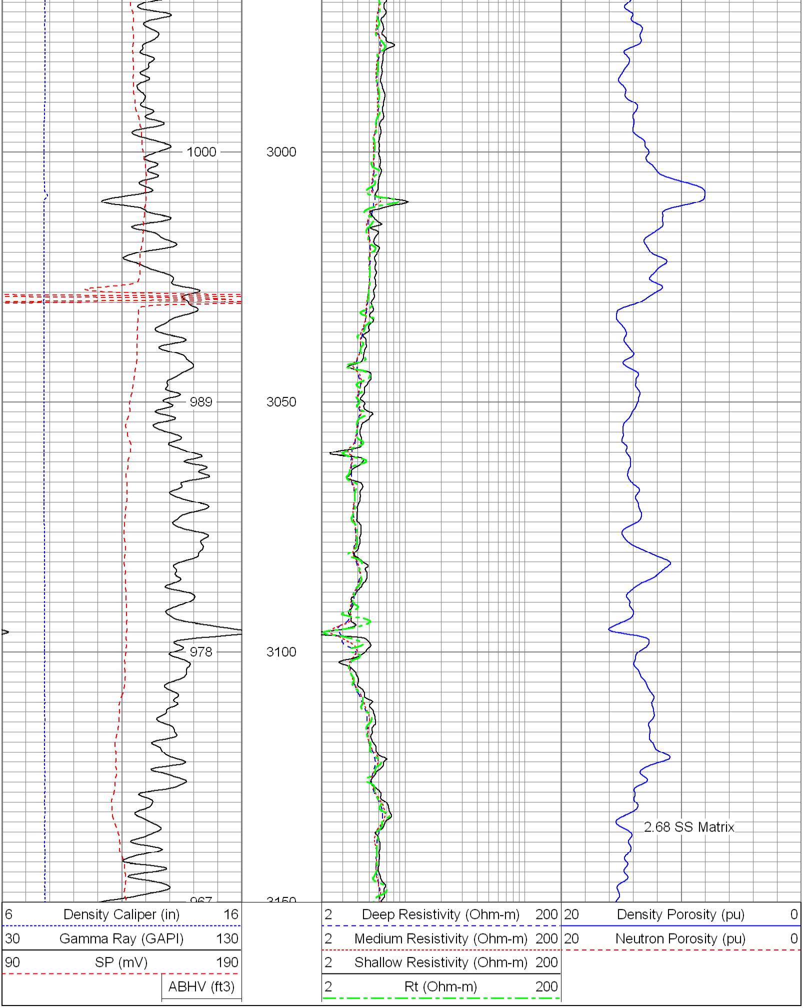
Bridged out at 7063'!!!!!

Database File: 12648.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sun Mar 25 10:59:29 2012
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
90	SP (mV)	190	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)		2	Rt (Ohm-m)	200			







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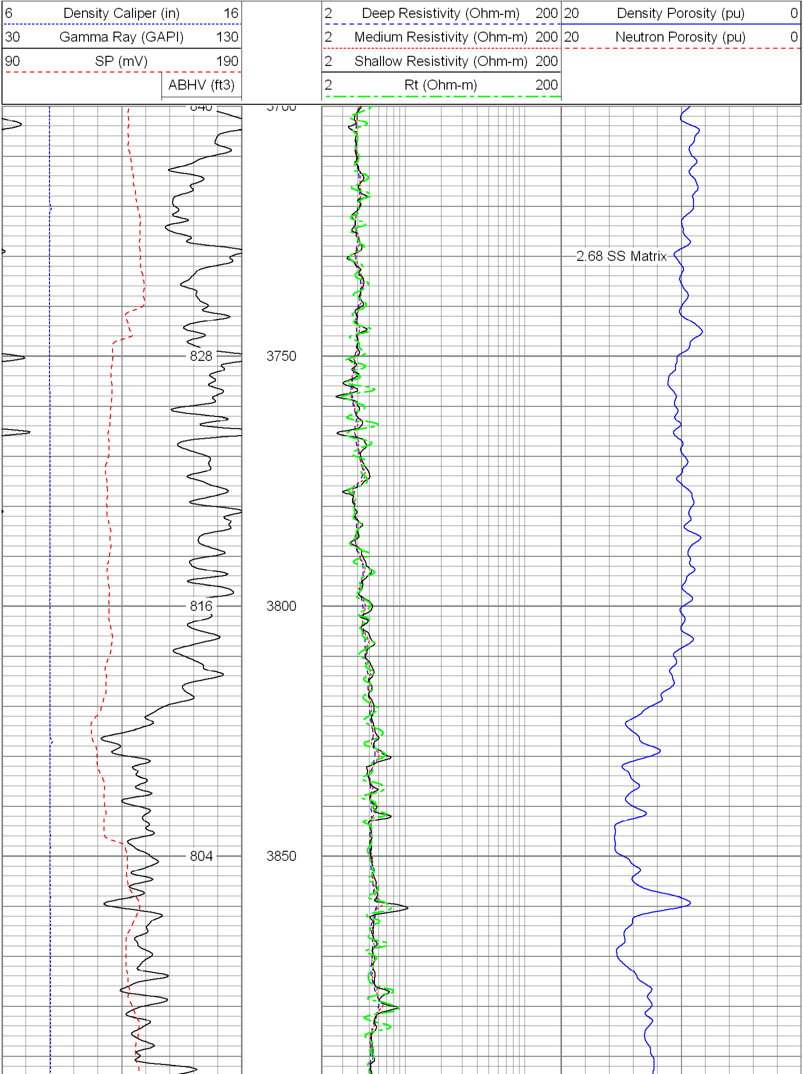

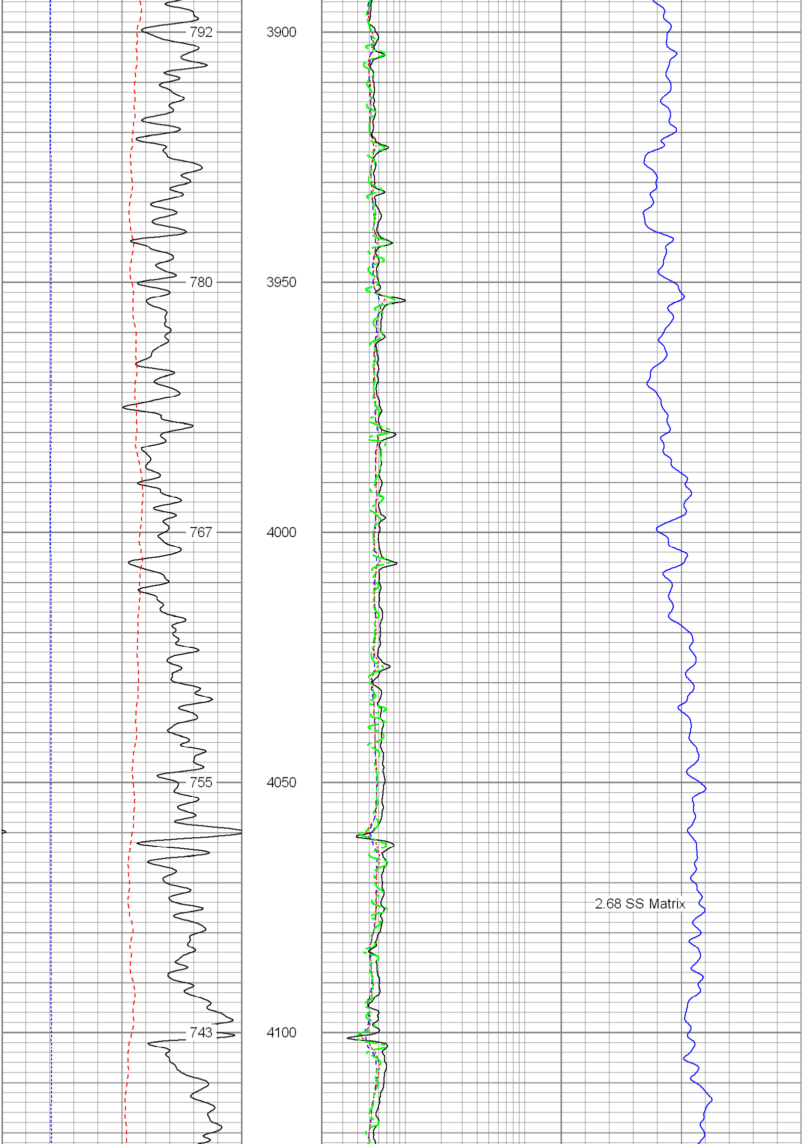

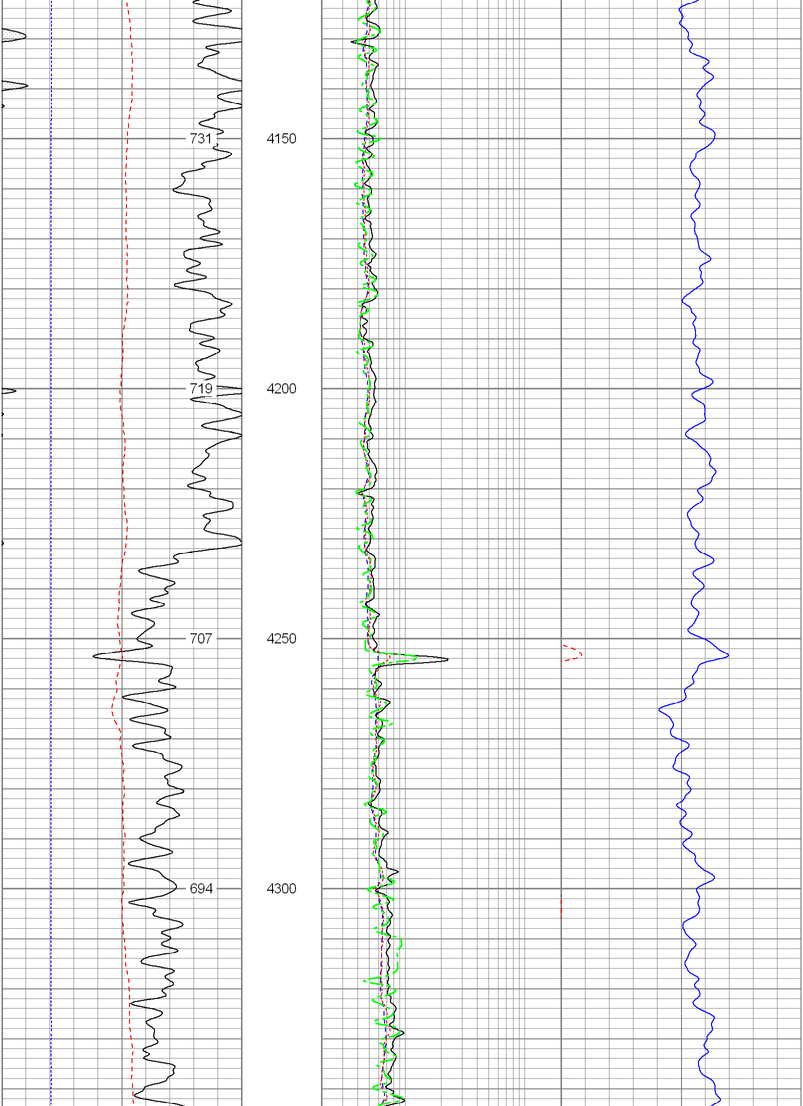

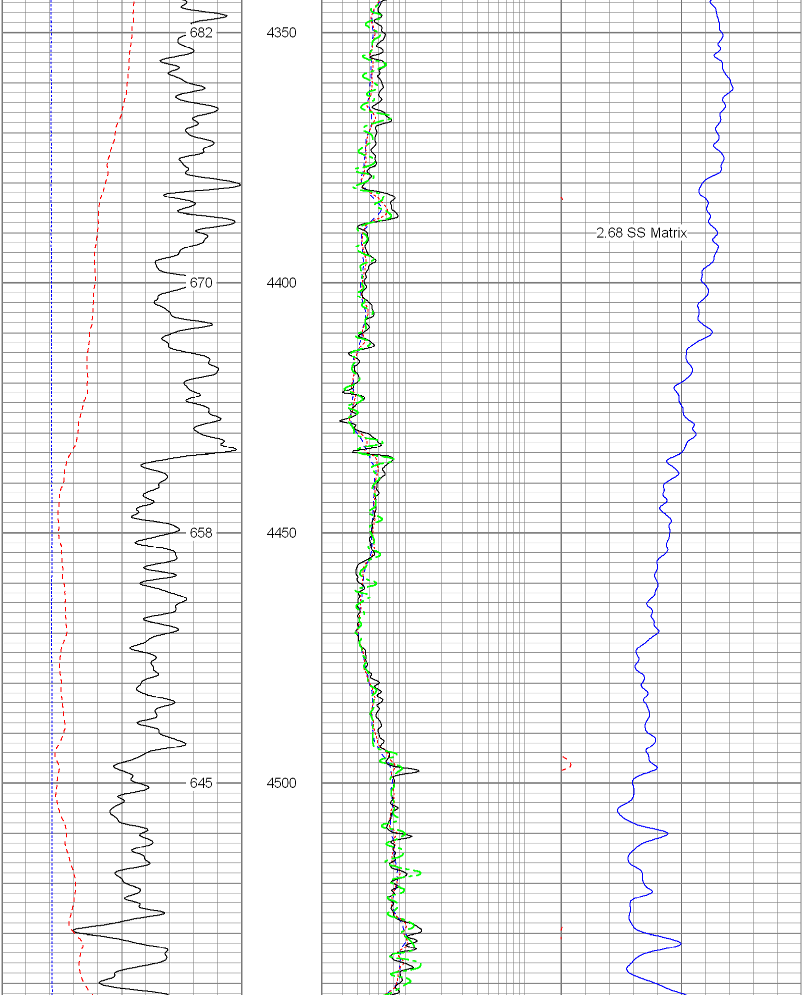

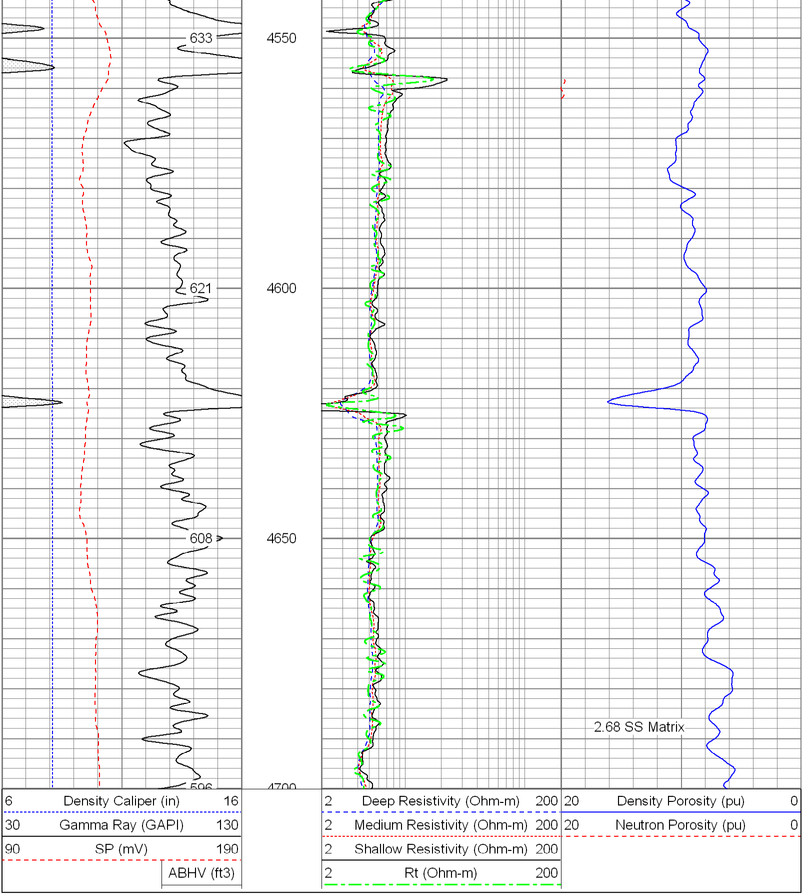

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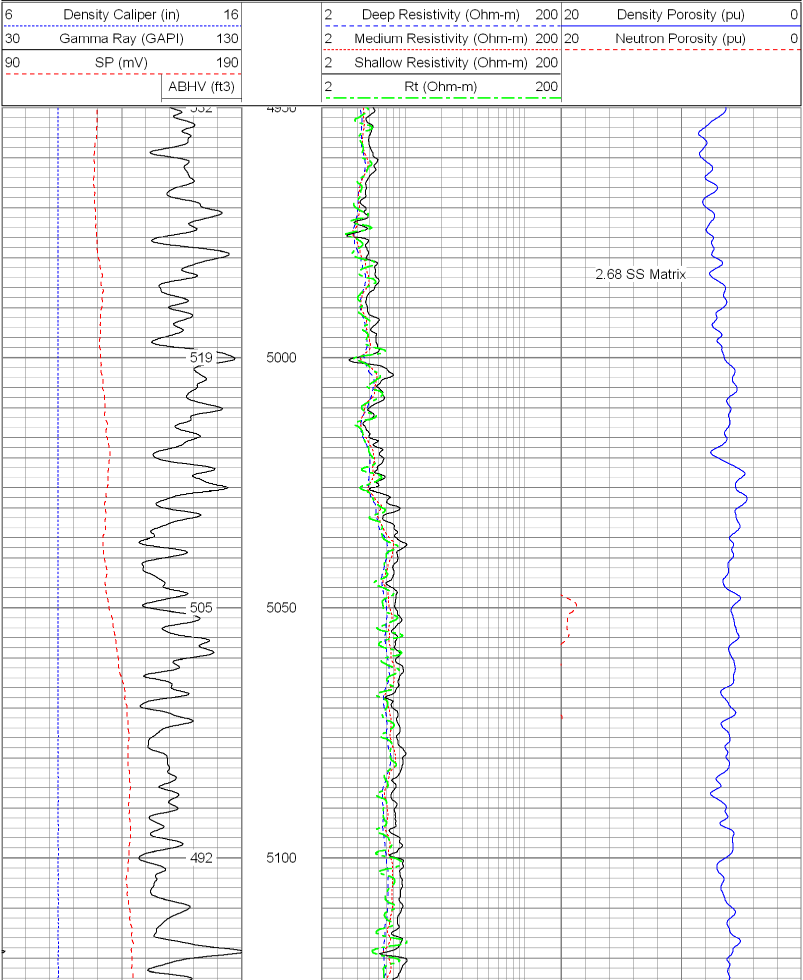

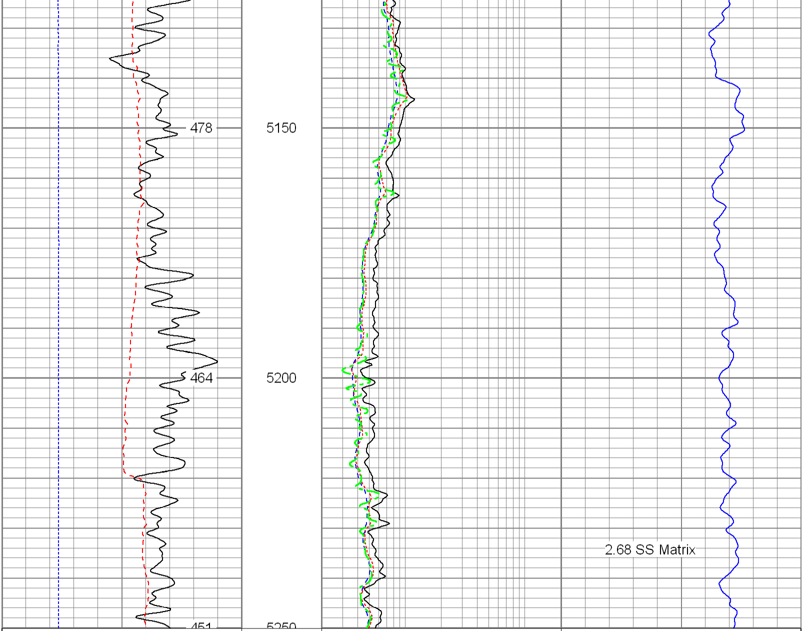

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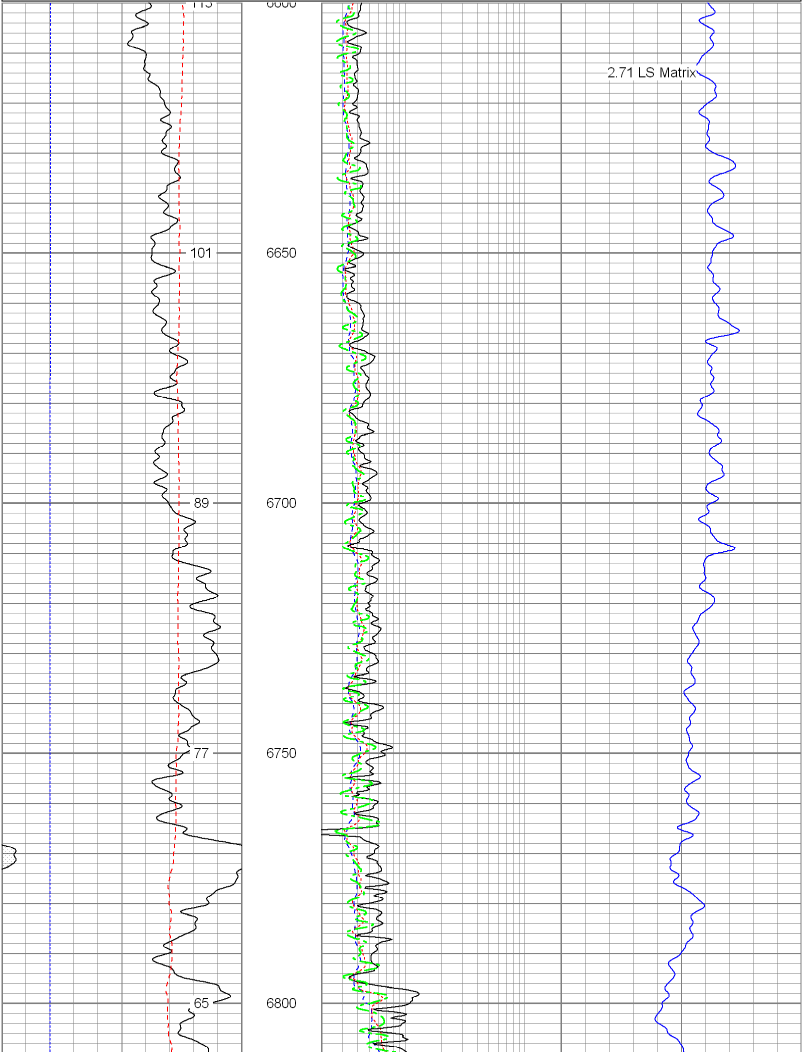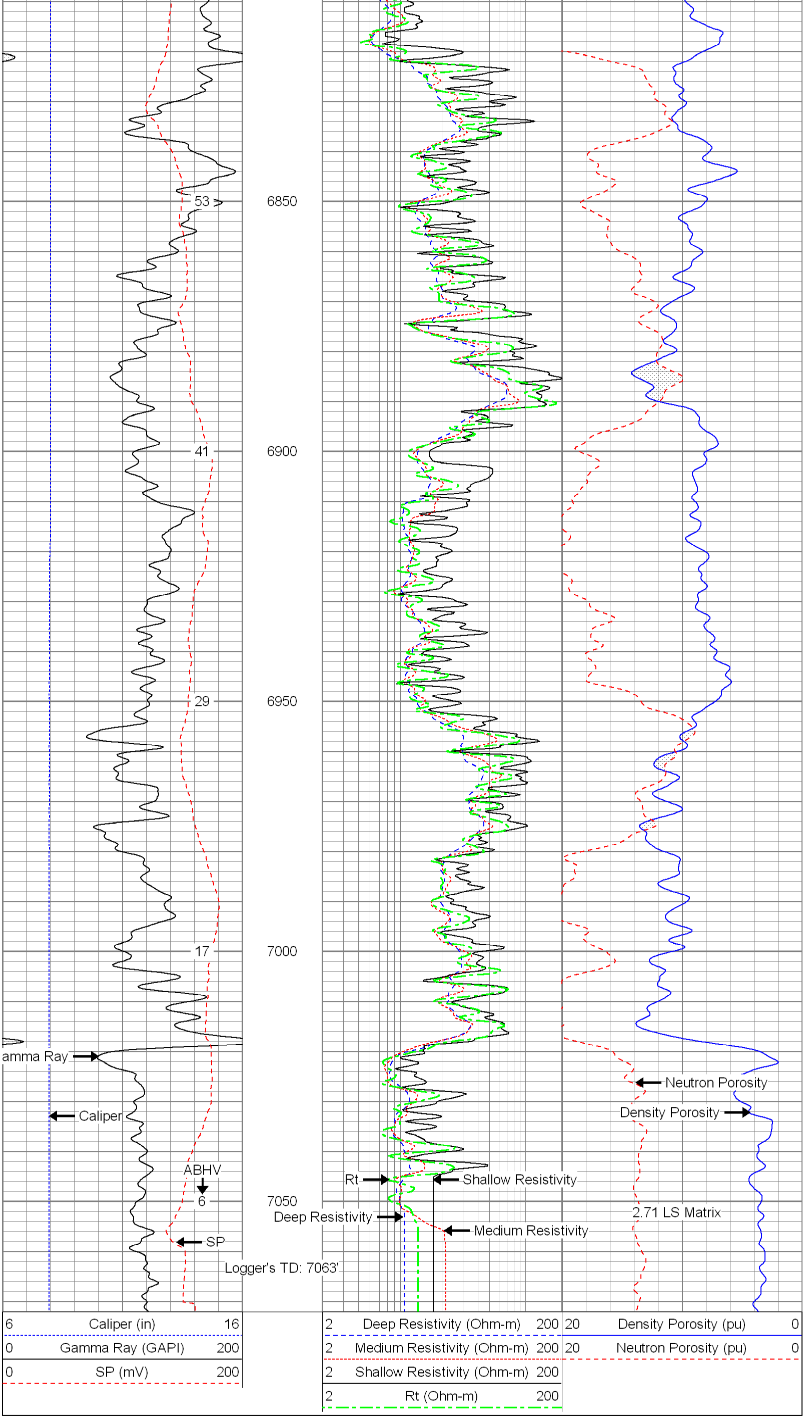6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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