PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	**Noble Energy Inc.**
Well	**Green USX EE 13-07**
Field	**Wattenberg**
County	**Weld**
State/Province	**Colorado**
Location	1891' FNL & 2160' FEL SW NE Sec. 13, Twp. 7N, Rge. 65W

Other Services
Density
Neutron
Micro Log

Permanent Datum	GL	Elevation	4971
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4984
D.F. 4983
G.L. 4971

Date	July 29, 2010		
Run Number	1		
Depth Driller	7450		
Depth Logger	7445		
Bottom Logged Interval	7445		
Top Log Interval	Casing		
Casing Driller	813		
Casing Logger	813		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 34		
pH / Fluid Loss	8.0 / 12.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.33 @ 87 F		
Rmf @ Meas. Temp	2.50 @ 87 F		
Rmc @ Meas. Temp	4.11 @ 87 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.21 @ 204 F		
Time Circulation Stopped	2030 7/28		
Time Logger on Bottom	0345		
Maximum Recorded Temperature	204 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Randy Boyles		

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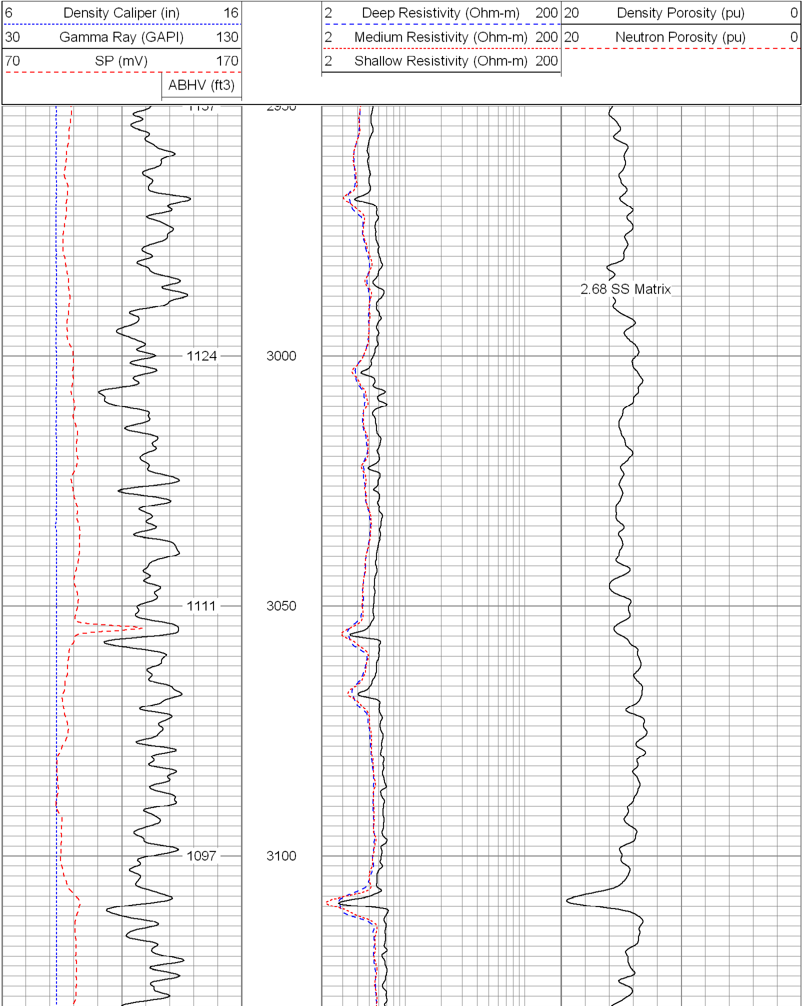
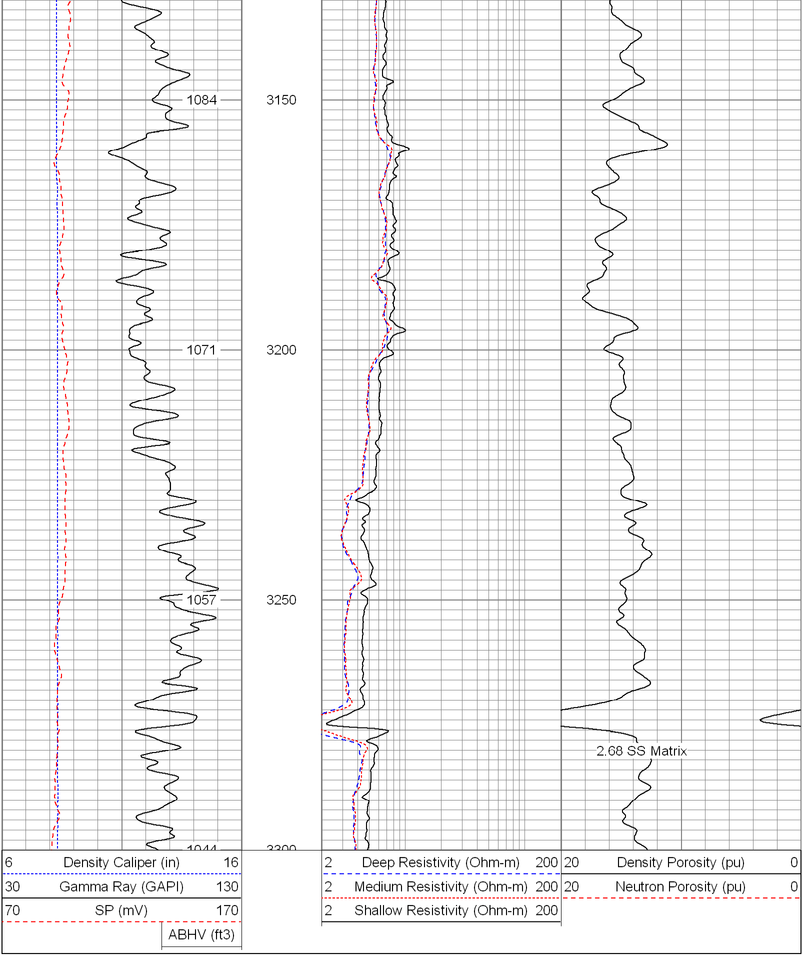
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 126
Thank you for using Phoenix Surveys!!
API #: 05-123-31161-00

Database File: 10802.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Thu Jul 29 04:30:43 2010
Charted by: Depth in Feet scaled 1:240





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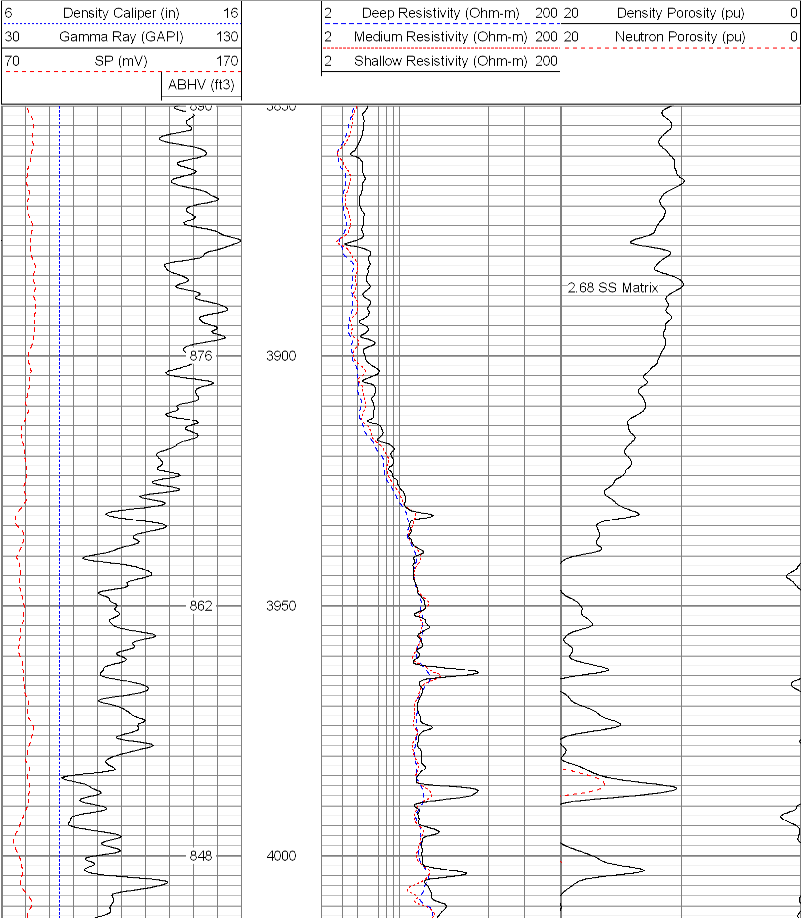

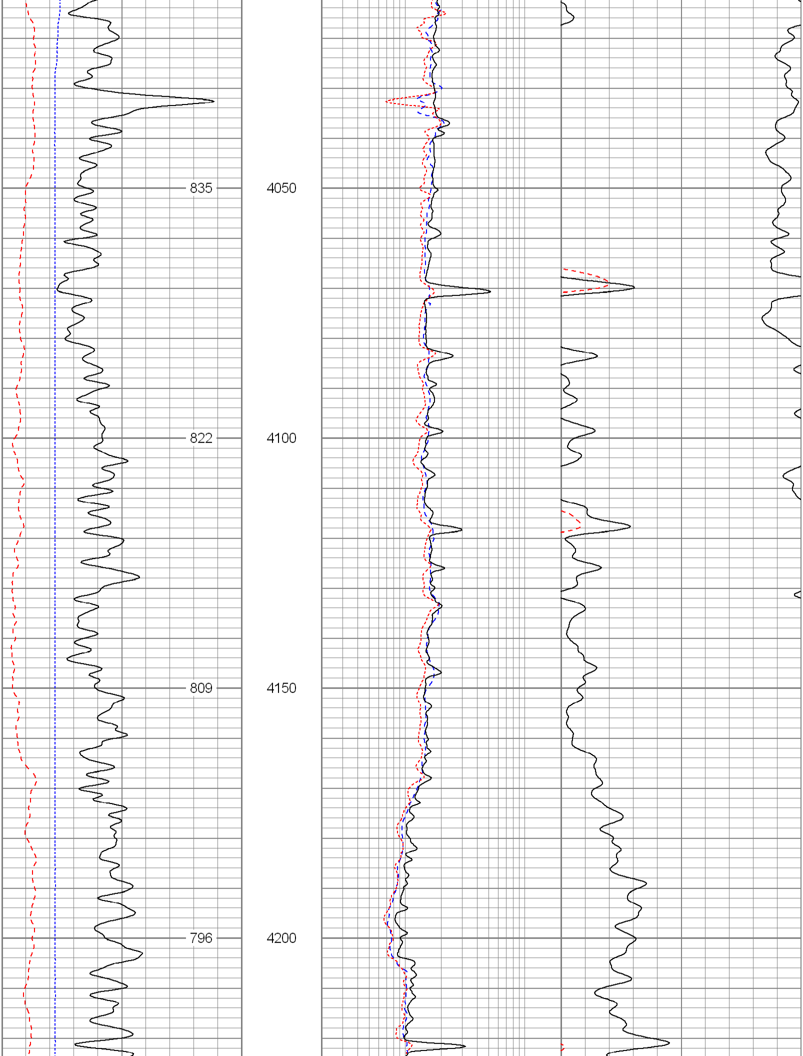

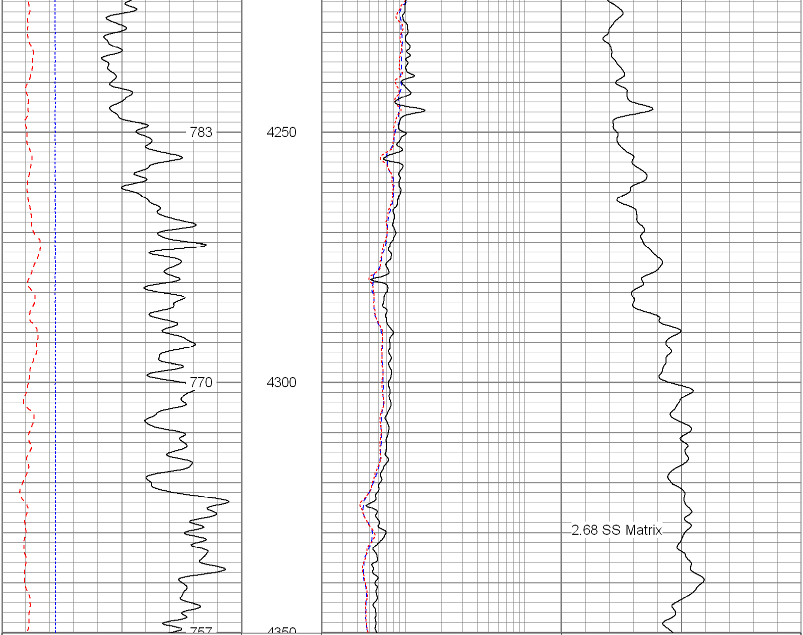

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
70	SP (mV)	170	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)							

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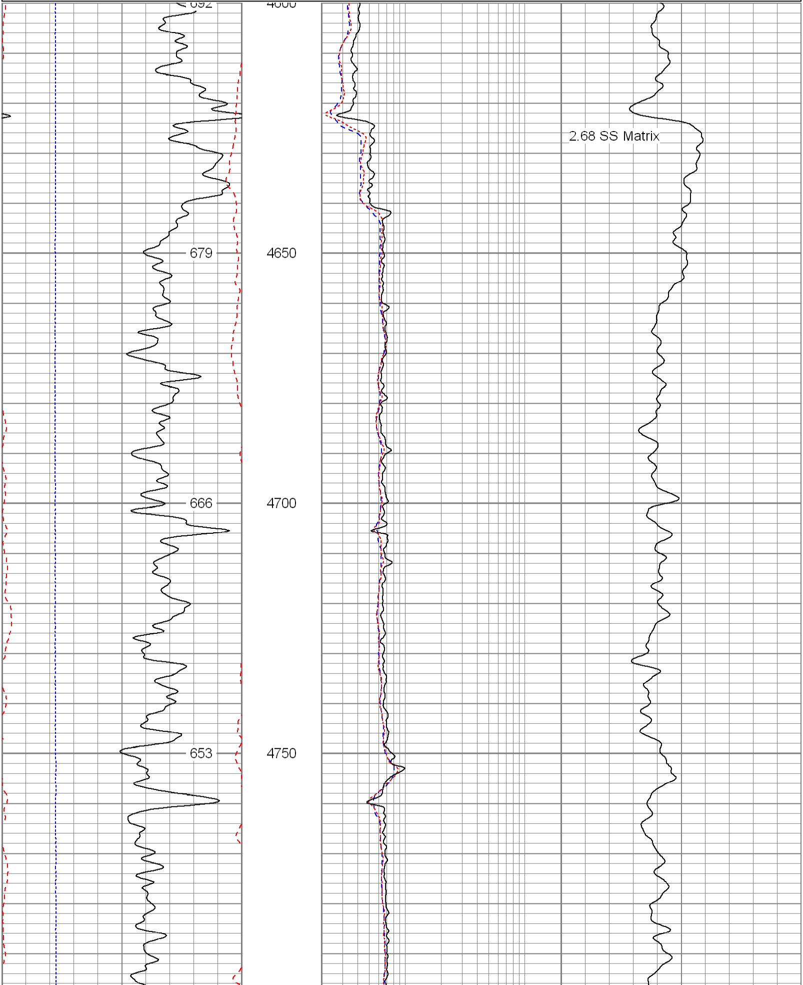

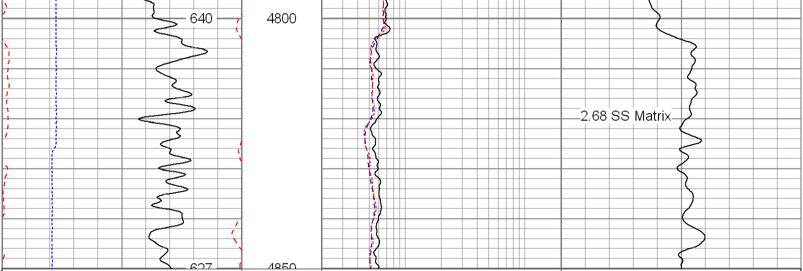

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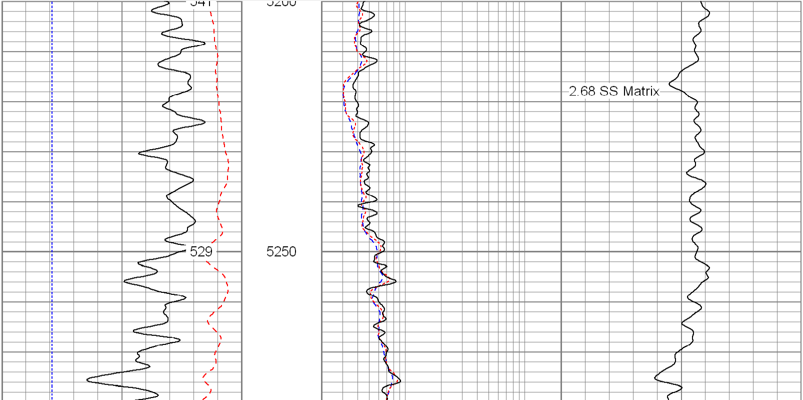

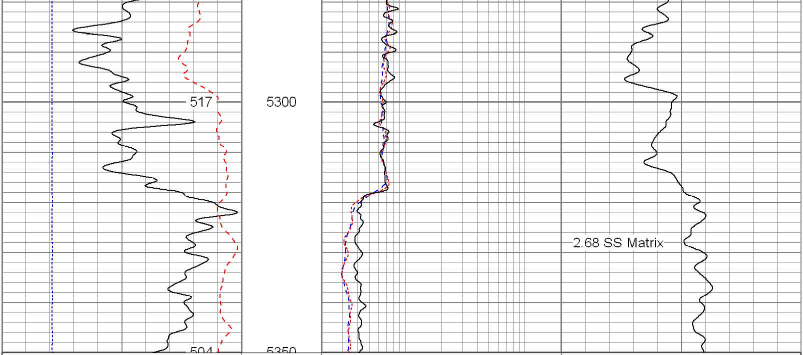

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ABHV (ft3)

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ABHV (ft3)

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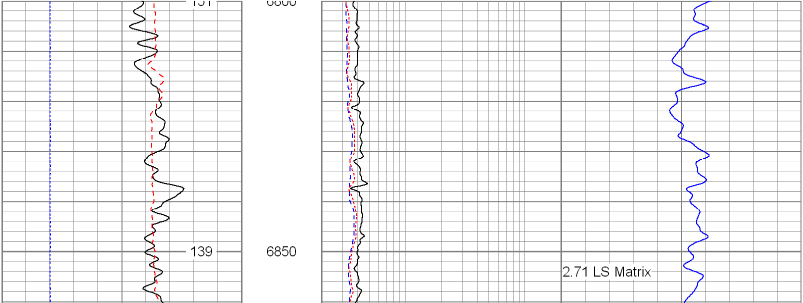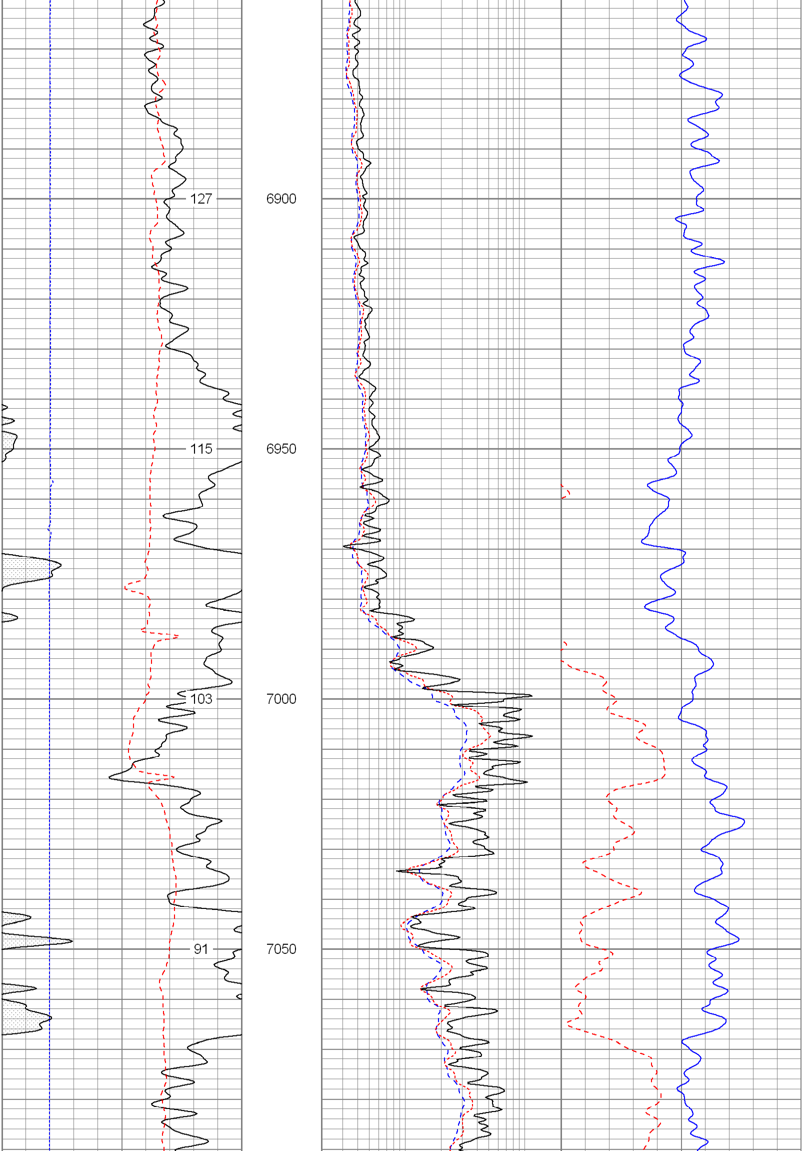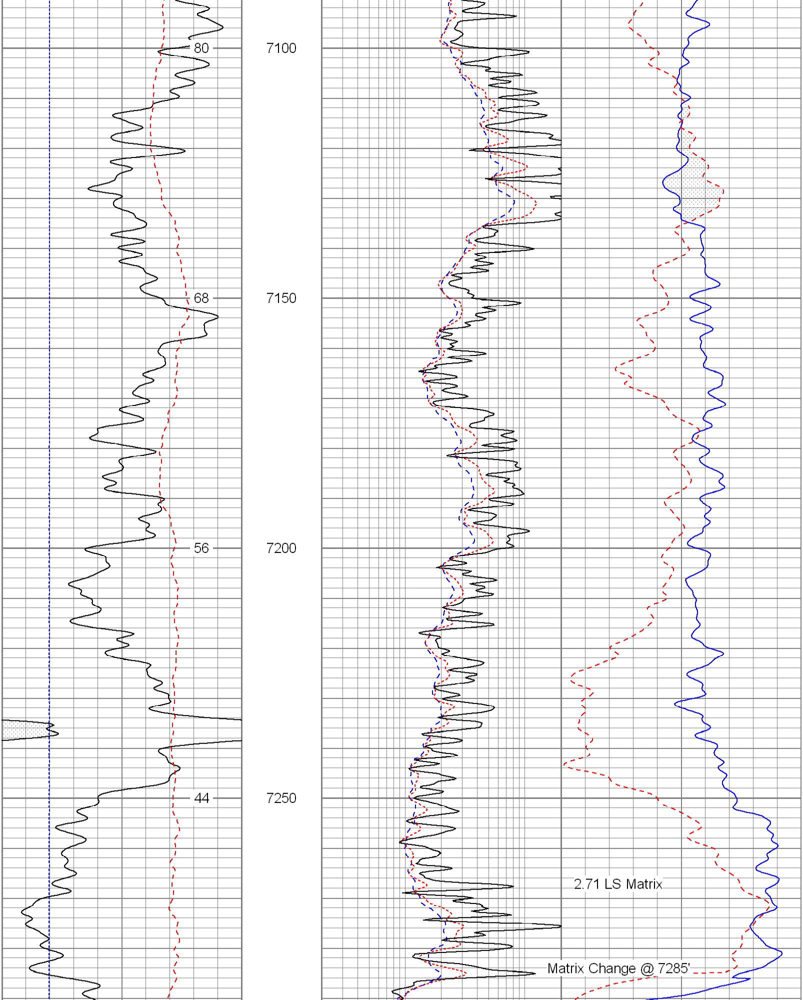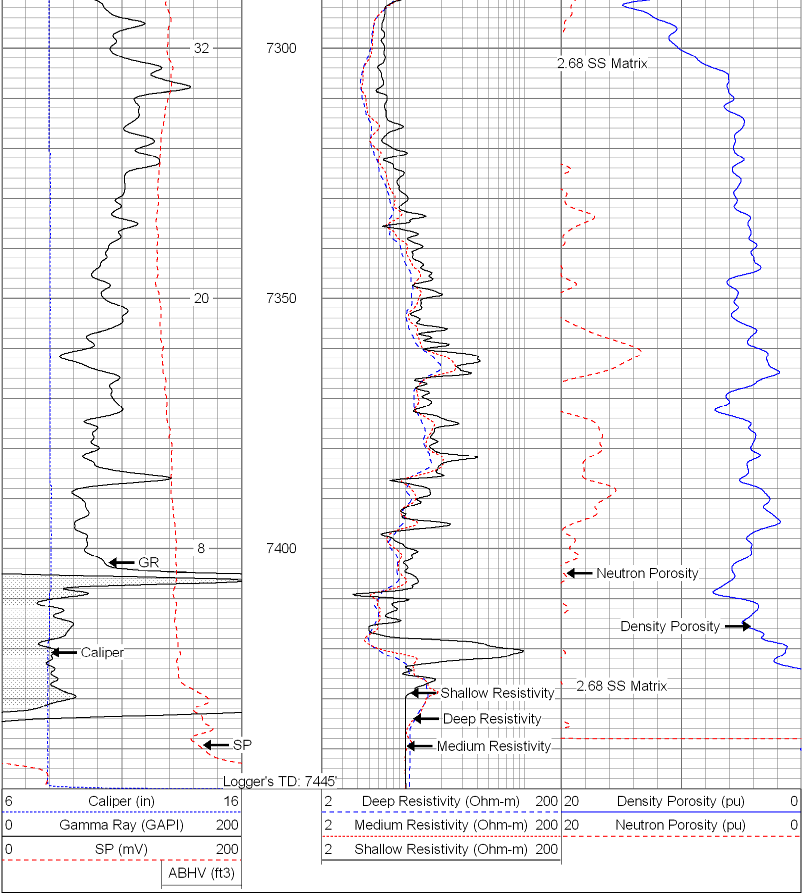20 Density Porosity (pu) 0
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