PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY COMPENSATED NEUTRON MICROLOG

Company
Well
Field
County
State/Prv

Company	Noble Energy Inc.		
Well	Dinner 01-01-19		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location
1433' FNL & 2471' FEL
SW NE
Sec. 1, Twp. 4N, Rge. 65W

Other Services
Dual
Induction

Permanent Datum	GL	Elevation	4776
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4792
D.F. 4791
G.L. 4776

Date	December 04, 2010		
Run Number	1		
Depth Driller	7250		
Depth Logger	7253		
Bottom Logged Interval	7233		
Top Log Interval	2940		
Casing Driller	572		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 40		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.62 @ 76 F		
Rmf @ Meas. Temp	2.71 @ 76 F		
Rmc @ Meas. Temp	4.53 @ 76 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.22 @ 207 F		
Time Circulation Stopped	0600		
Time Logger on Bottom	1315		
Maximum Recorded Temperature	207 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Kurt Patterson		

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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

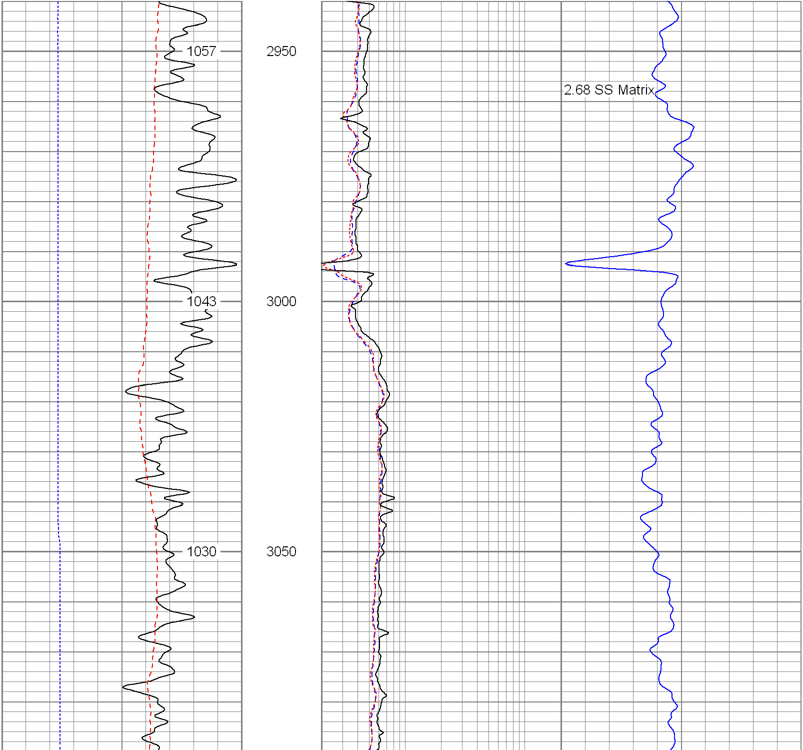
Annular volume calculated for 4.5" casing
Ensign Rig 55
Thank you for using Phoenix Surveys!!
API #: 05-123-28166-00

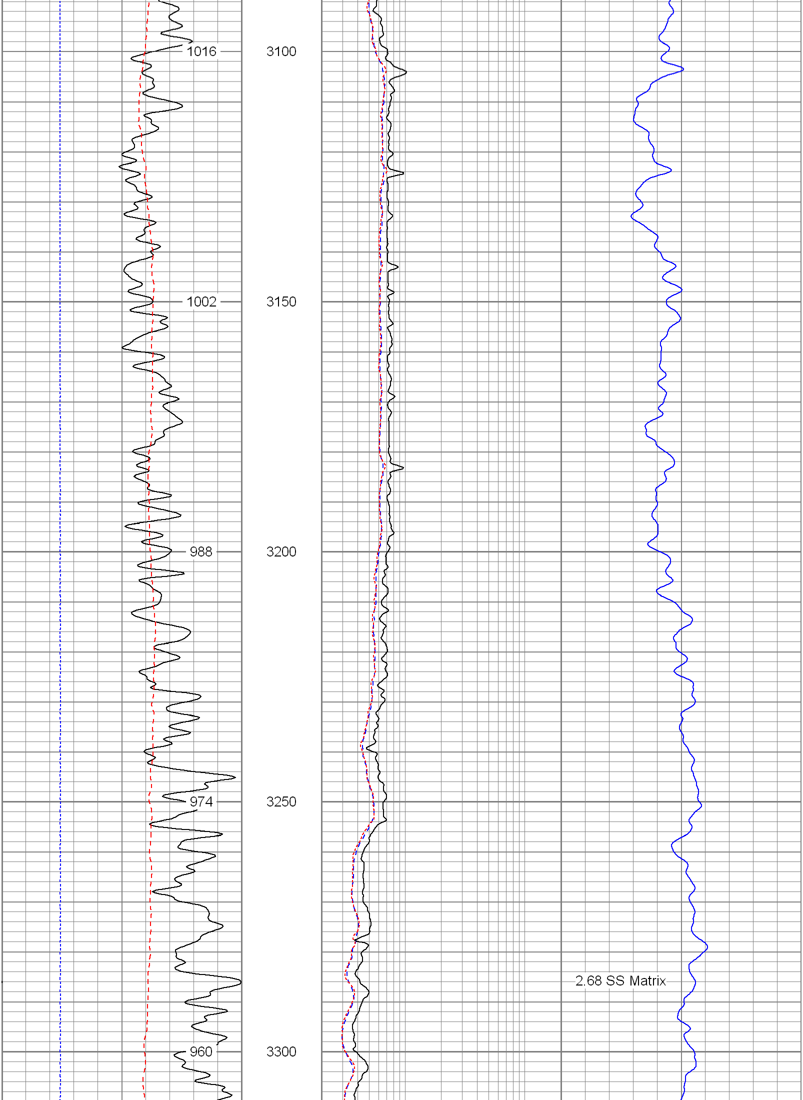
Database File:	11278.db
Dataset Pathname:	pass3.3
Presentation Format:	pdc1
Dataset Creation:	Sat Dec 04 14:30:07 2010
Charted by:	Depth in Feet scaled 1:240

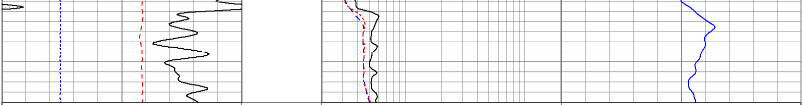
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
70 SP (mV) 170
ABHV (ft3)

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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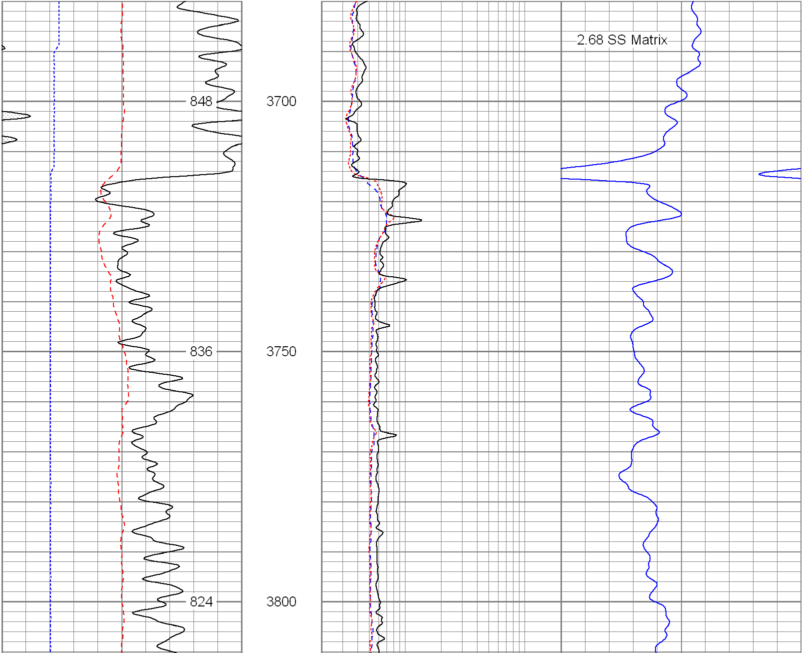

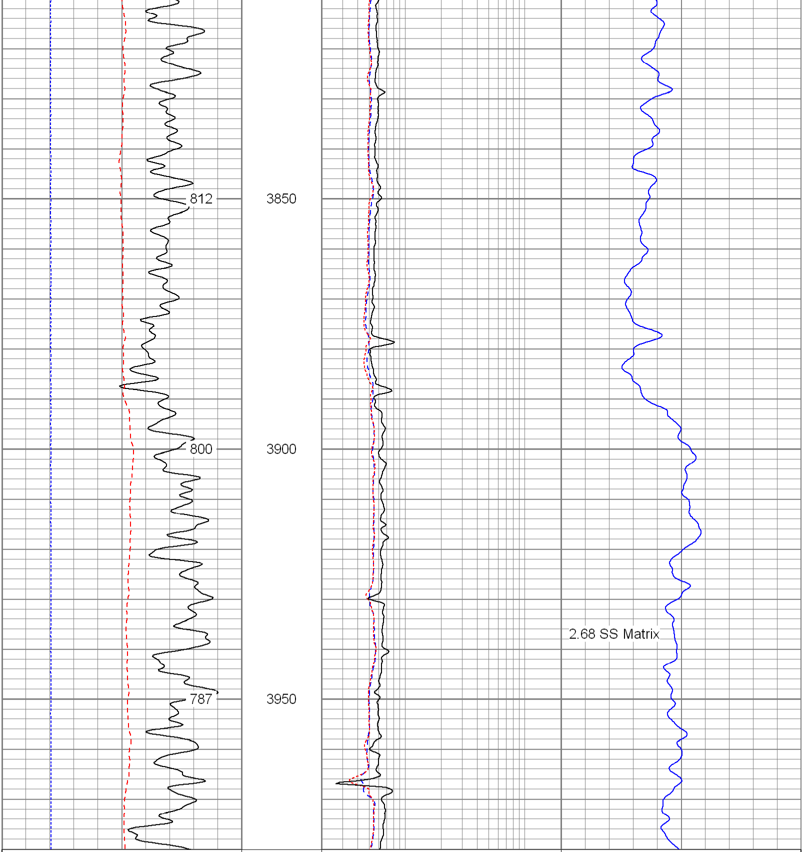

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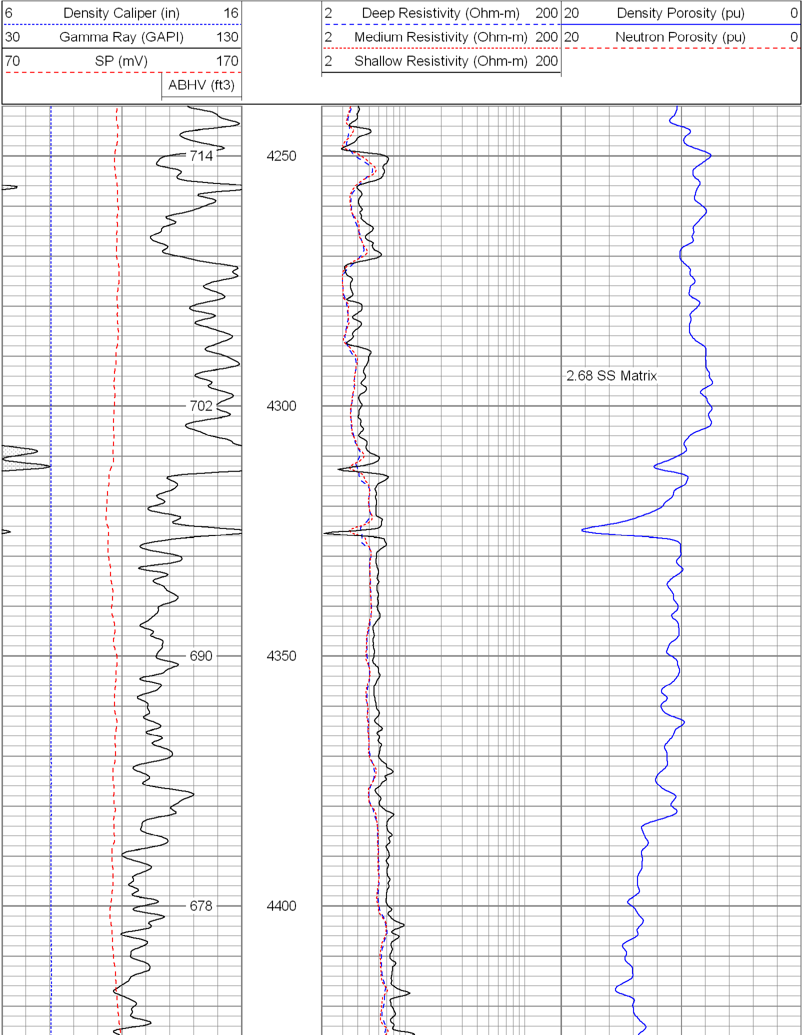

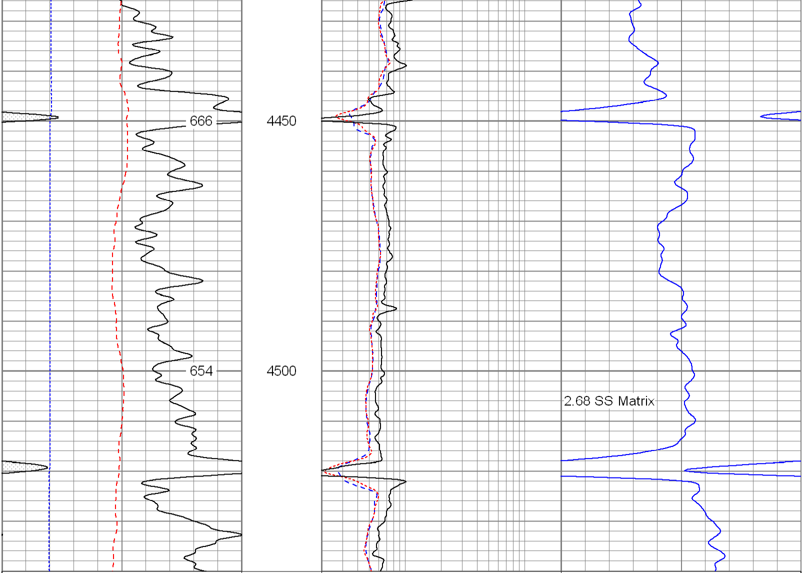

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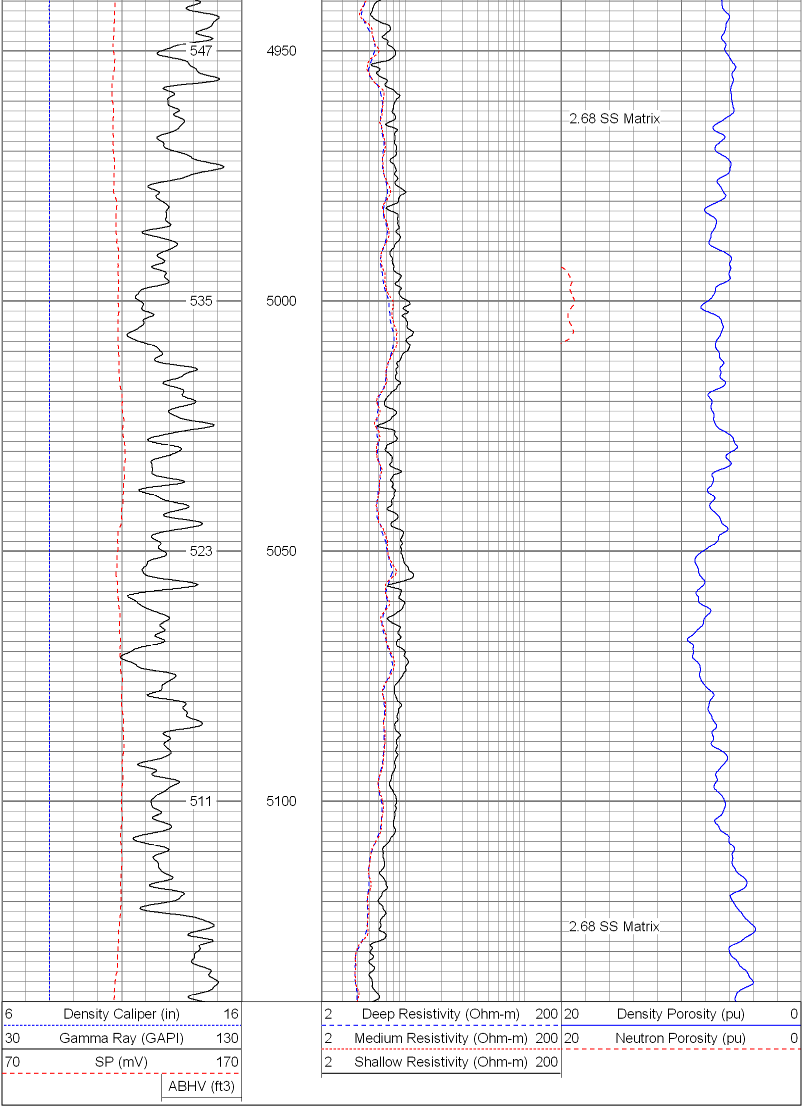
547
4950
2.68 SS Matrix
535
5000
523
5050
511
5100
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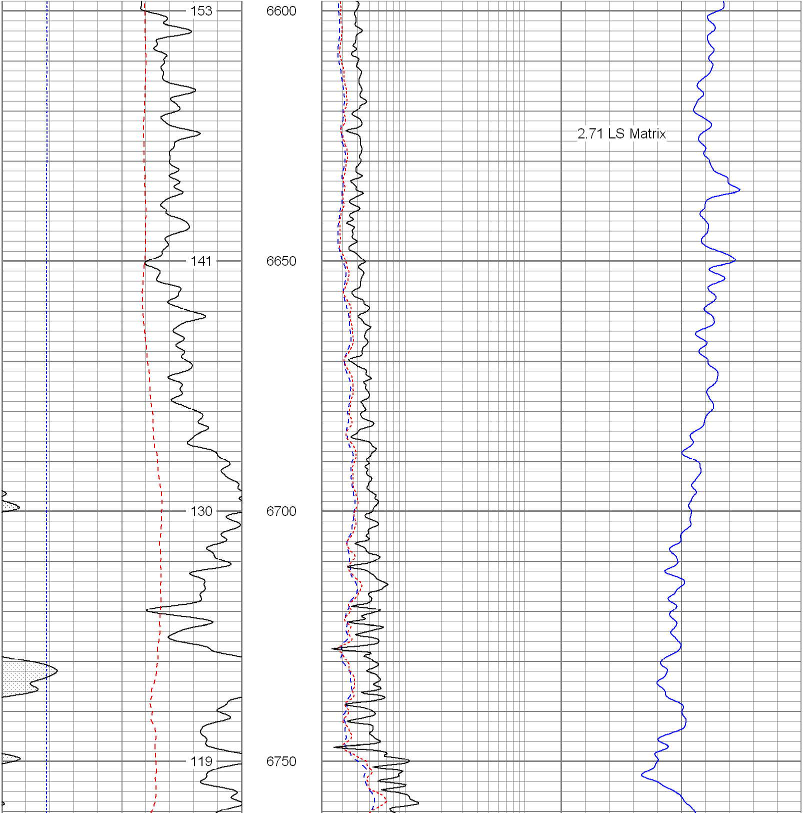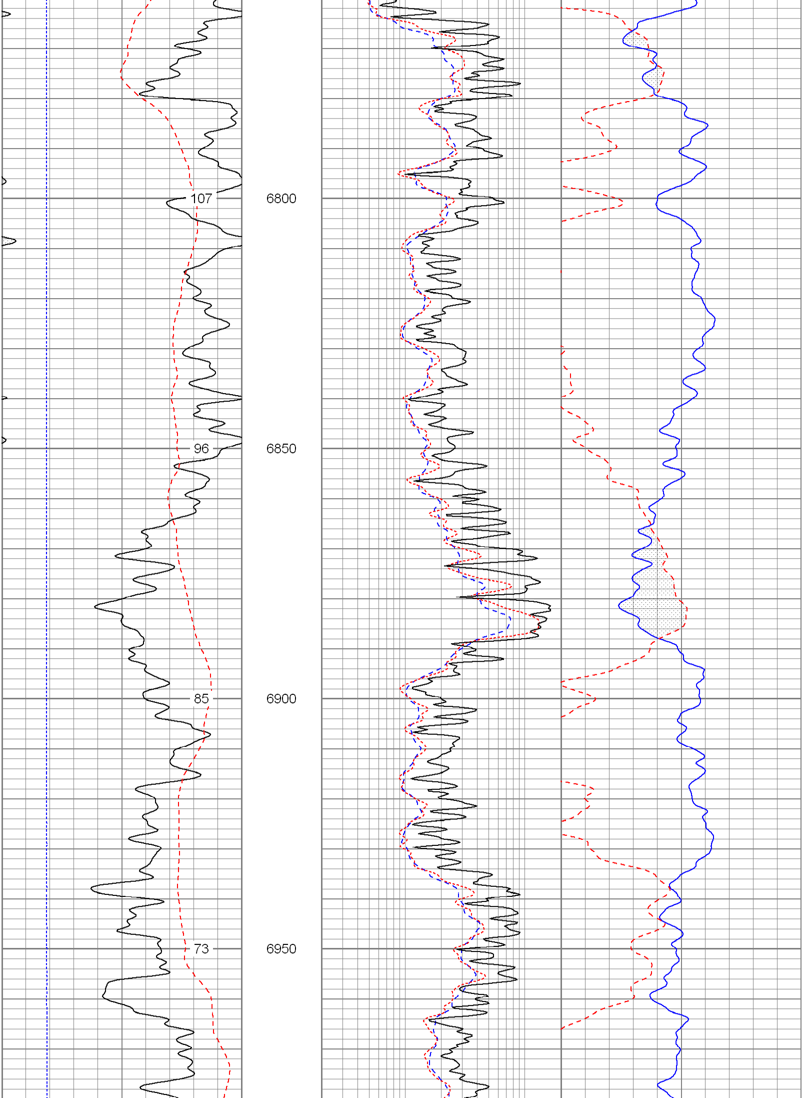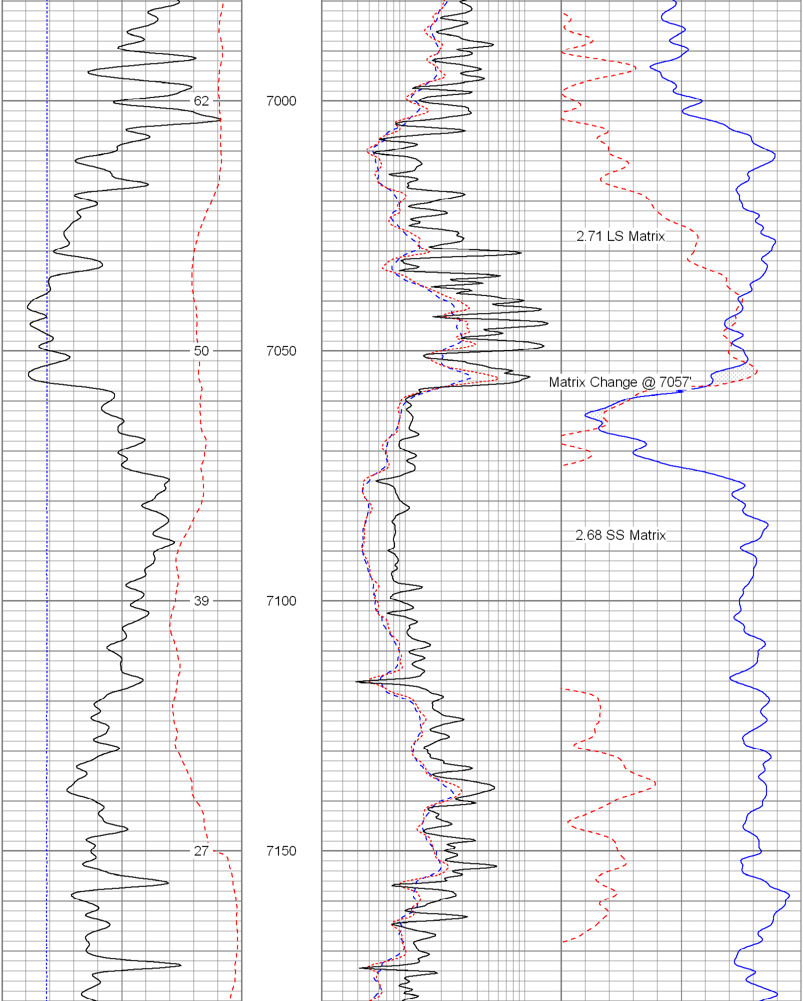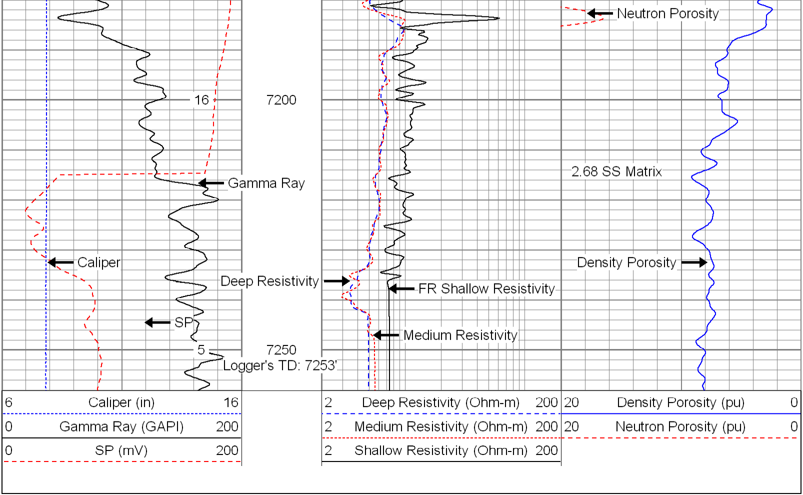20 Density Porosity (pu) 0
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