PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG

Company
Well
Field
County
State/Prv

Company	Noble Energy Inc.
Well	Glover V 12-27D
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 592' FNL & 1827' FEL NW NE
BHL: 98' FNL & 1110' FEL NE NE
Sec. 12, Twp. 2N, Rge. 67W

Other Services
Dual
Induction

Permanent Datum	GL	Elevation	4836
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4849
D.F. 4849
G.L. 4836

Date	October 21, 2009		
Run Number	1		
Depth Driller	8045		
Depth Logger	8043		
Bottom Logged Interval	8023		
Top Log Interval	2740		
Casing Driller	801		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 65		
pH / Fluid Loss	8.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.39 @ 71° F		
Rmf @ Meas. Temp	2.54 @ 71° F		
Rmc @ Meas. Temp	4.24 @ 71° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.11 @ 217° F		
Time Circulation Stopped	0930		
Time Logger on Bottom	1530		
Maximum Recorded Temperature	217° F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Jim Boyd		

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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

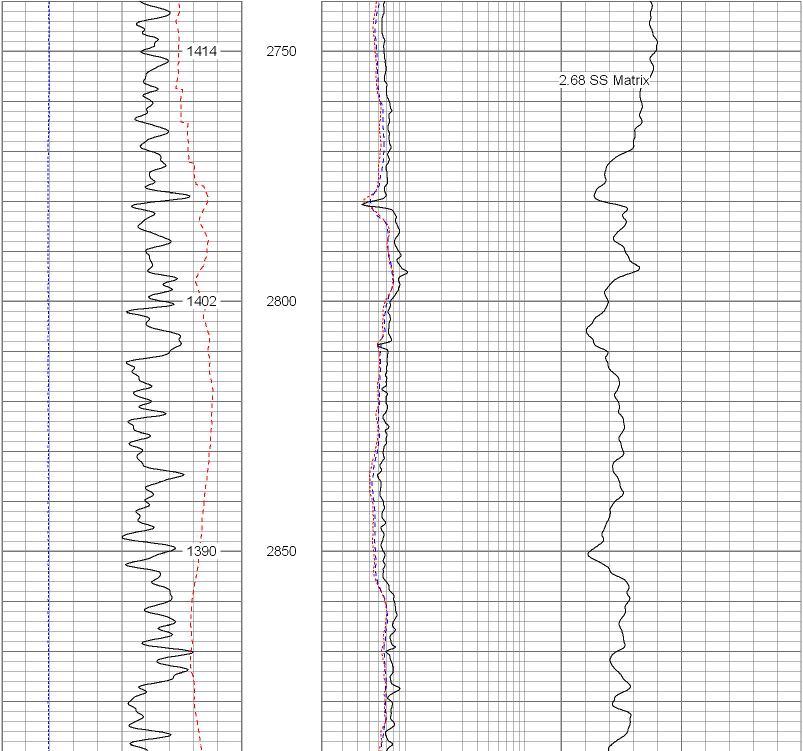
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 136
Thank you for using Phoenix Surveys!!
API #: 05-123-30117-0000
Irregular porosity due to hole conditions!

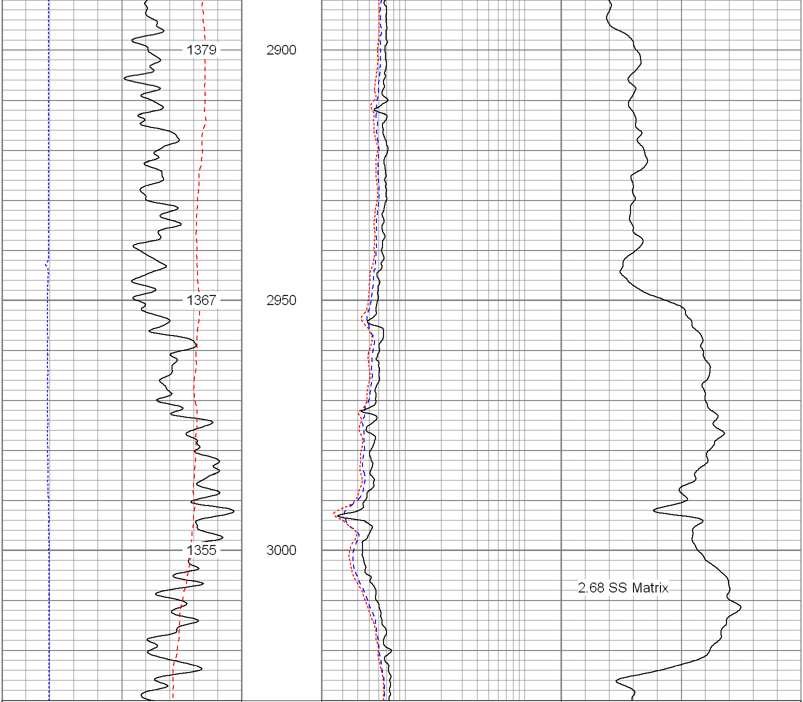
Database File:	10165.db
Dataset Pathname:	main
Presentation Format:	pdc1
Dataset Creation:	Wed Oct 21 17:44:55 2009
Charted by:	Depth in Feet scaled 1:240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
100 SP (mV) 200
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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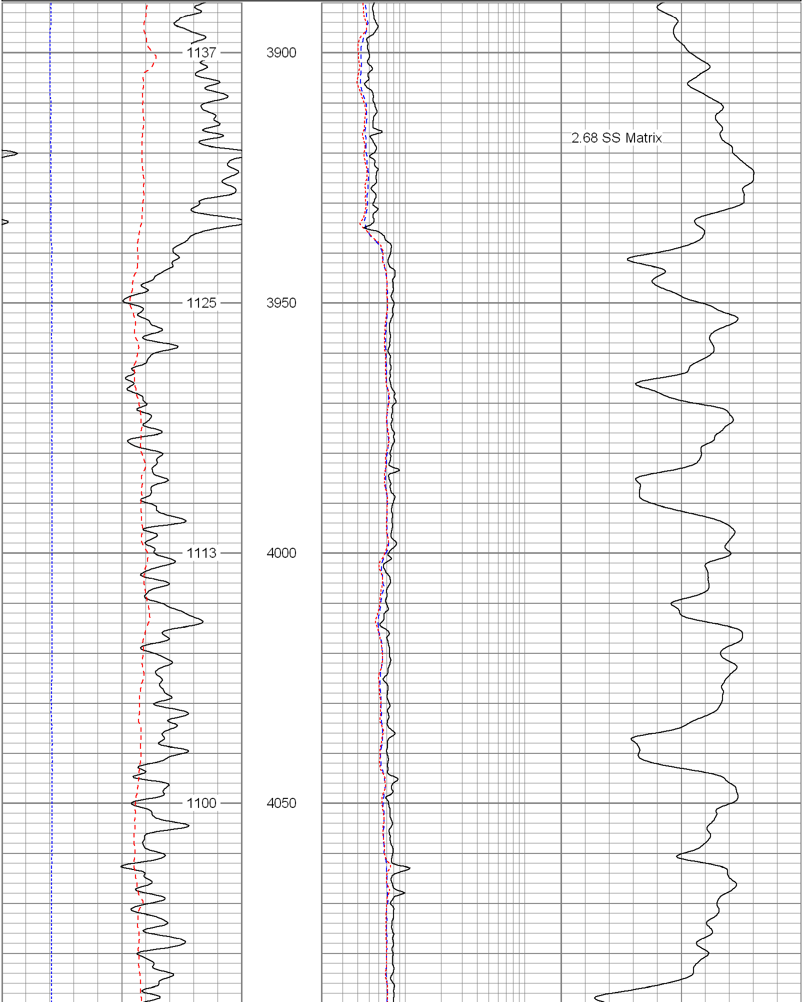

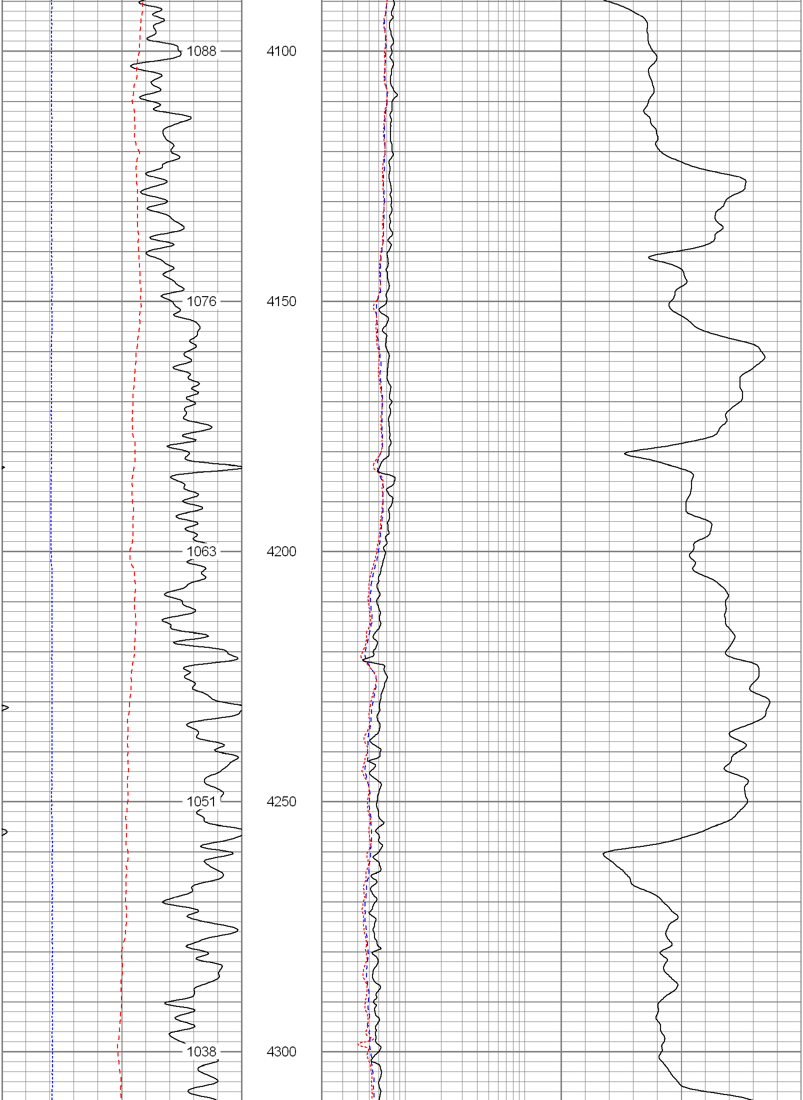

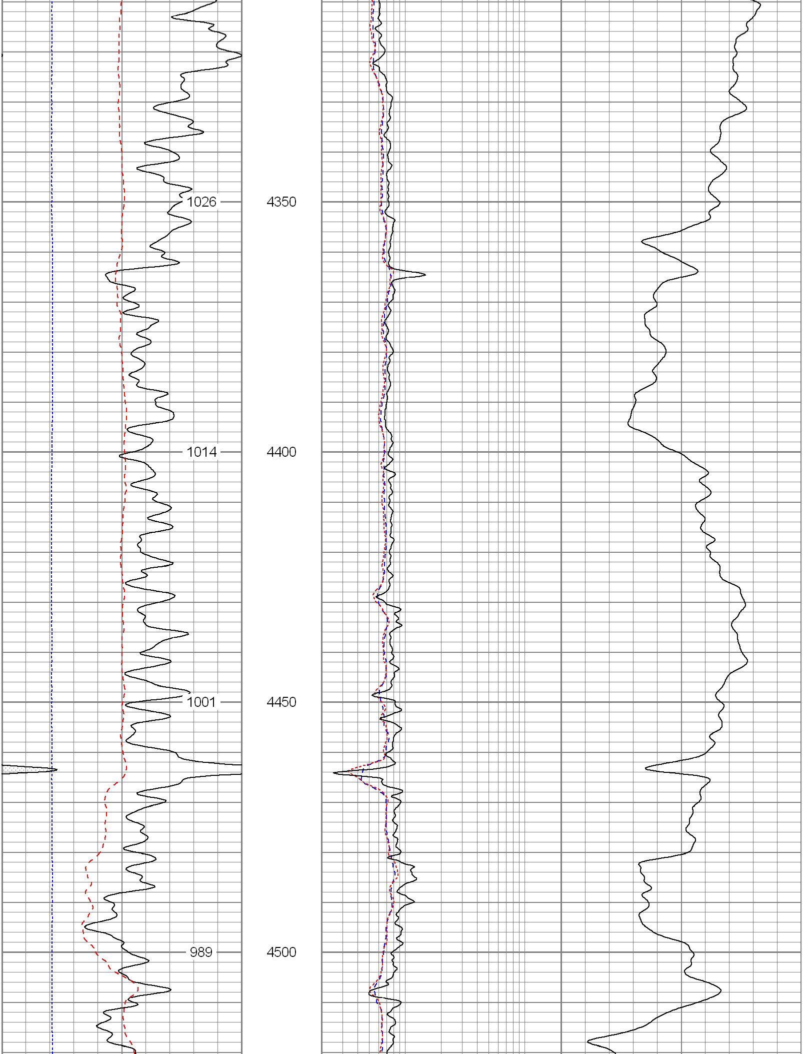

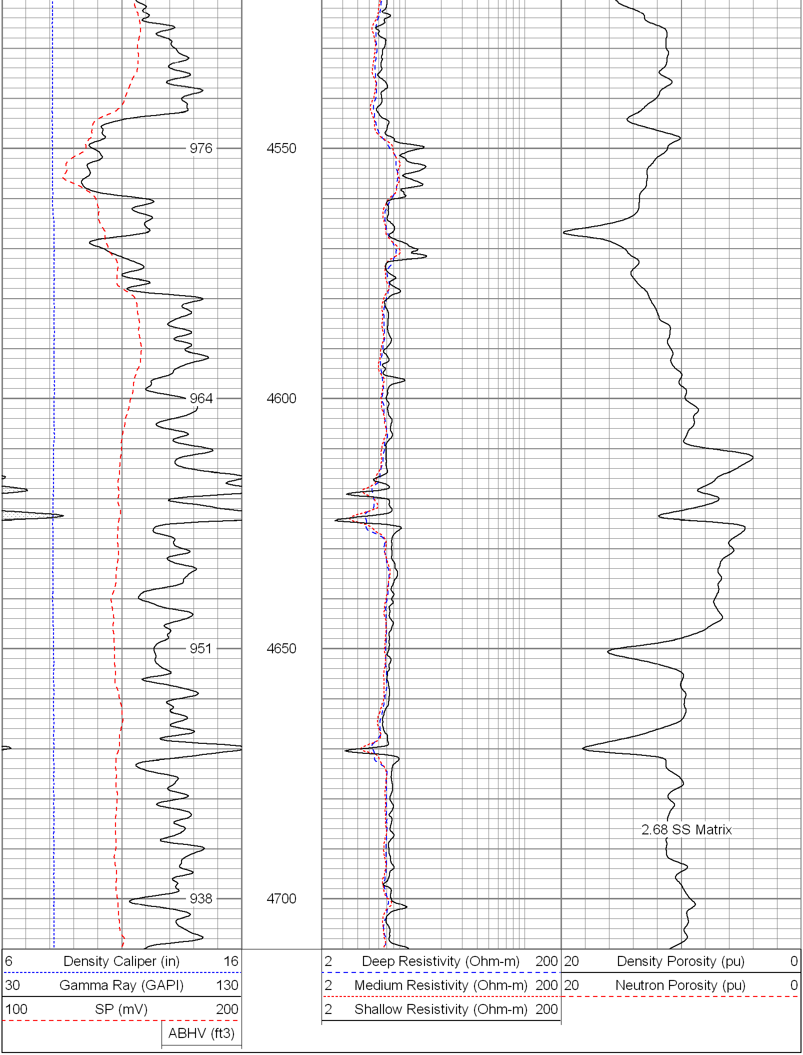

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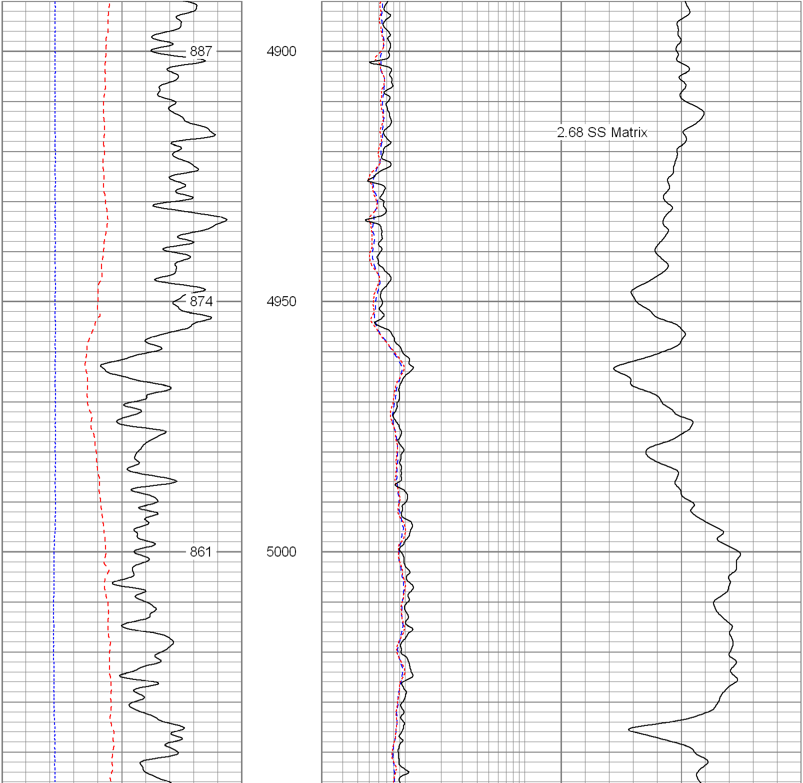

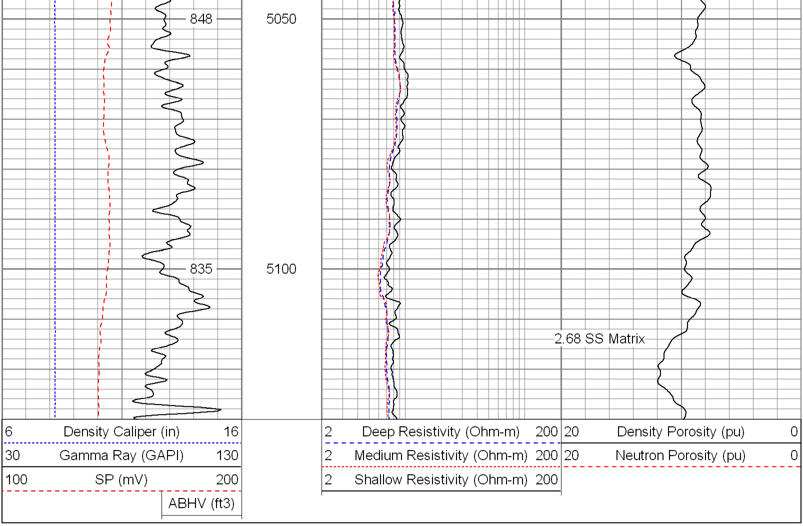

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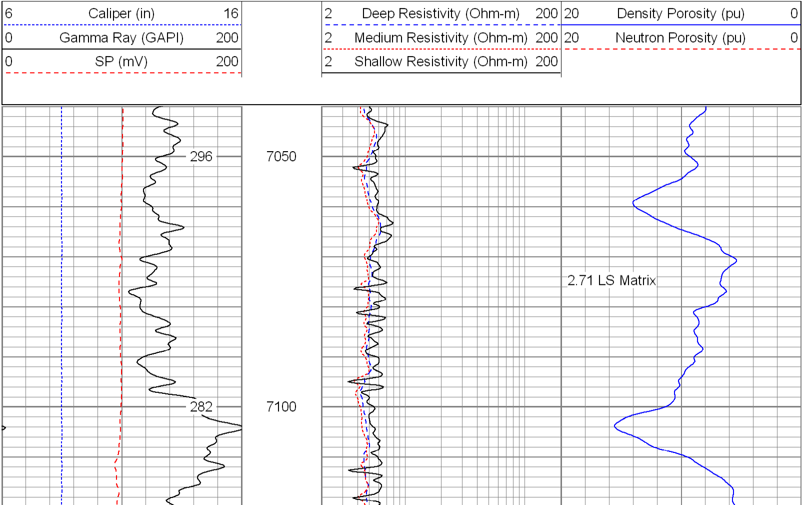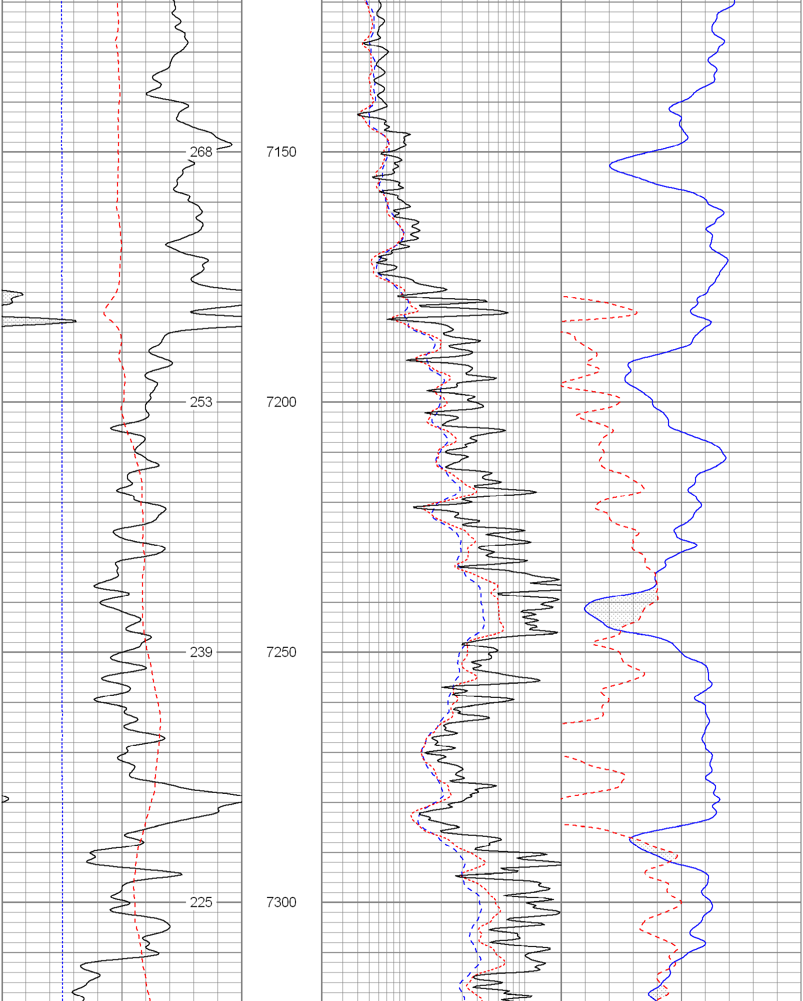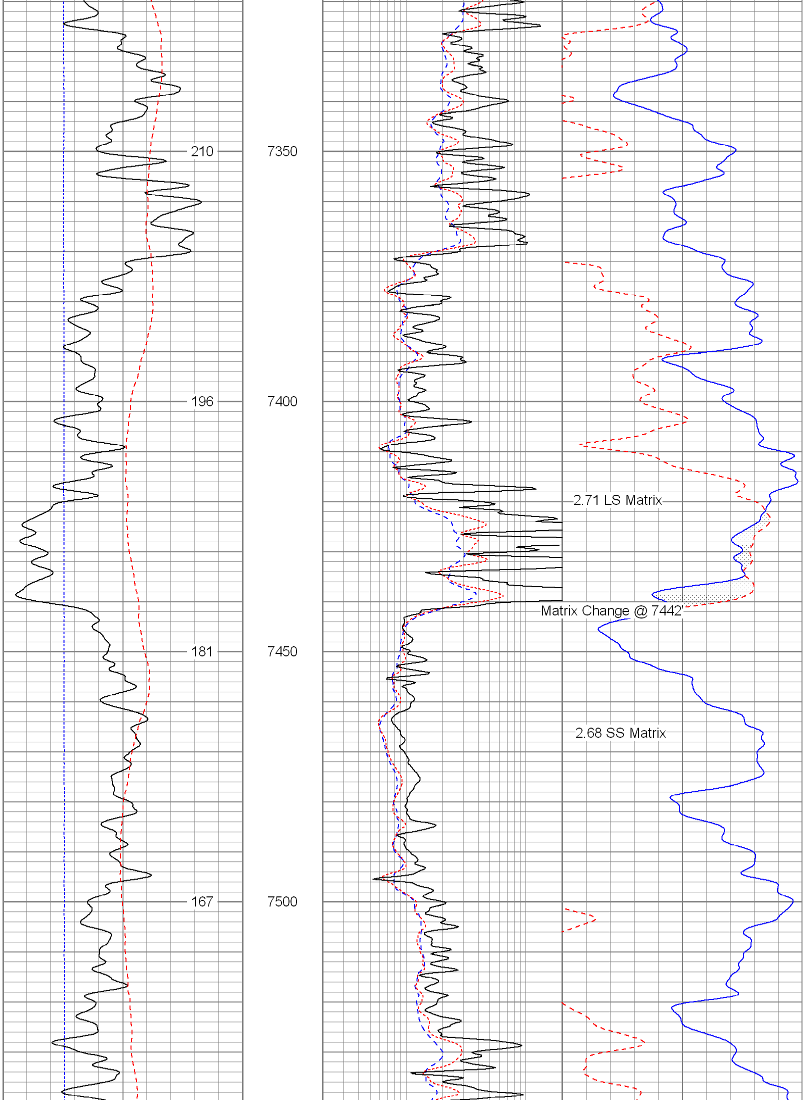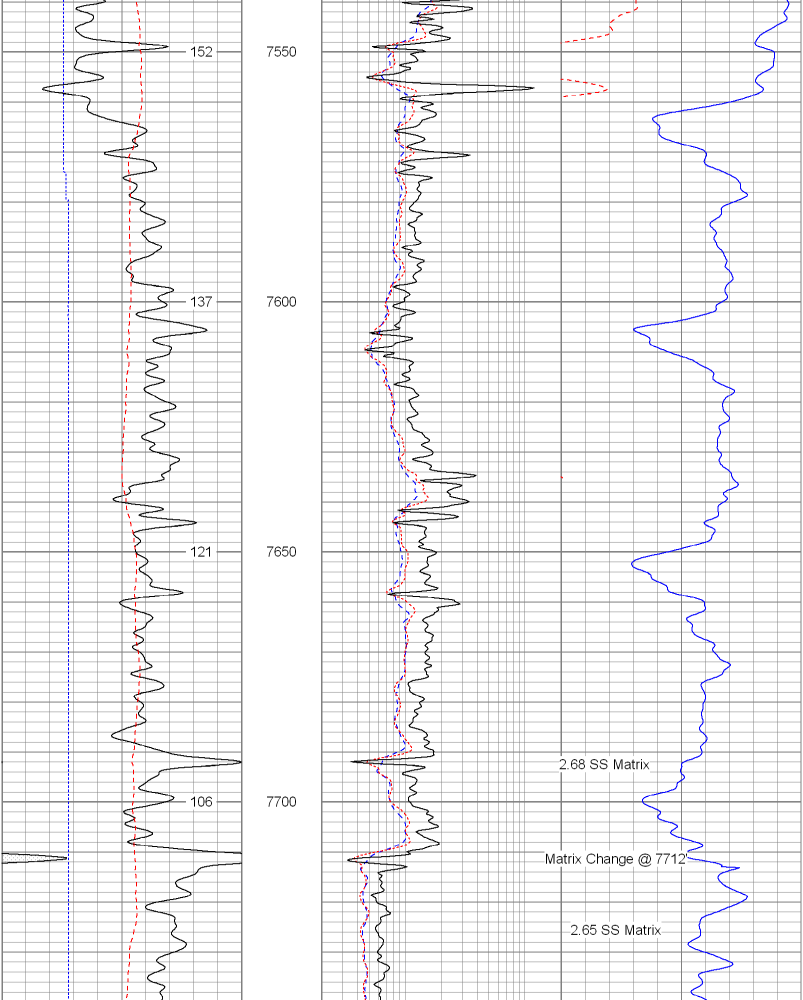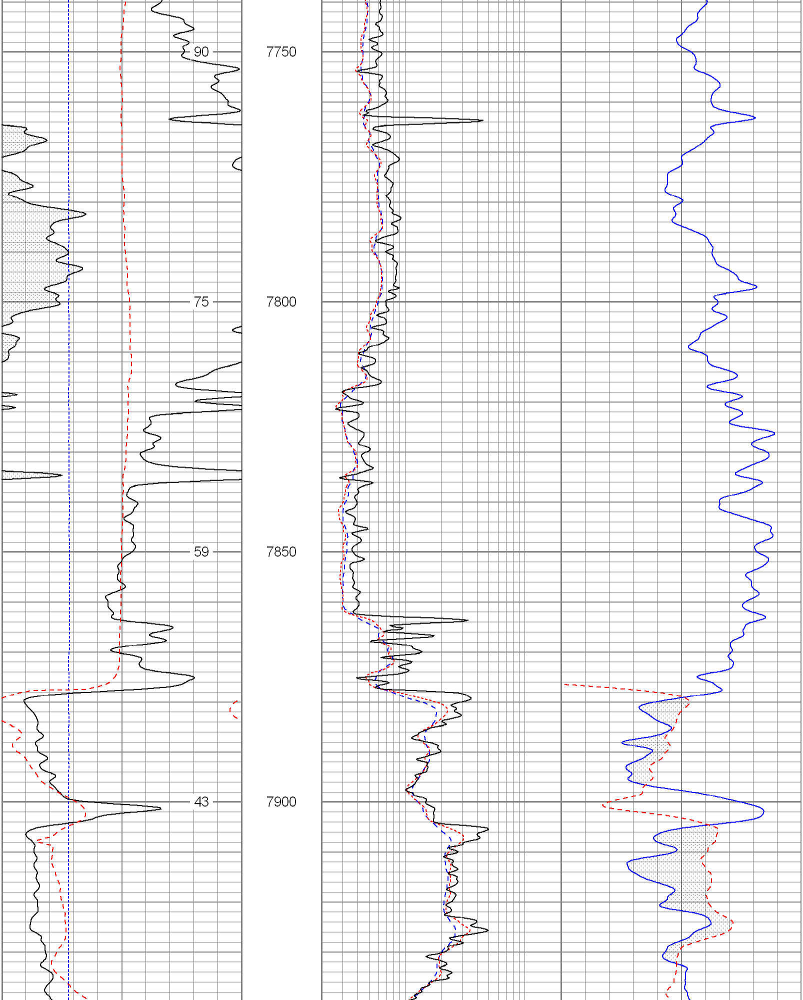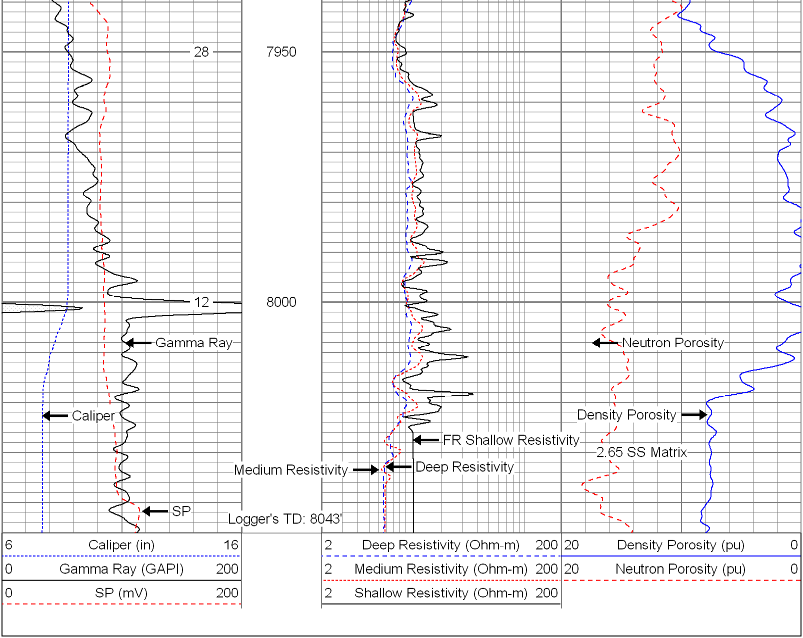
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20 Neutron Porosity (pu) 0
296
7050
2.71 LS Matrix
282
7100