PSI
PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Synergy Resources Corporation
Well	Margil 22-34D
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 1341' FNL & 1238' FWL SW NW
BHL: 2017' FNL & 1992' FWL SE NW
Sec 34, Twp 4N, Rge 68W

Other Services
None

Elevation
K.B. 5118
D.F. 5117
G.L. 5106

Permanent Datum	GL	Elevation	5106
Log Measured From	KB		
Drilling Measured From	KB		

Date	August 13, 2011		
Run Number	1		
Depth Driller	8147		
Depth Logger	8144		
Bottom Logged Interval	8144		
Top Log Interval	Casing		
Casing Driller	687		
Casing Logger	687		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 40		
pH / Fluid Loss	7.0 / 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.28 @ 76° F		
Rmf @ Meas. Temp	2.58 @ 76° F		
Rmc @ Meas. Temp	3.87 @ 76° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.05 @ 237 F		
Time Circulation Stopped	1900 8/12		
Time Logger on Bottom	0245		
Maximum Recorded Temperature	237 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	John Adams	Frank Holubec	

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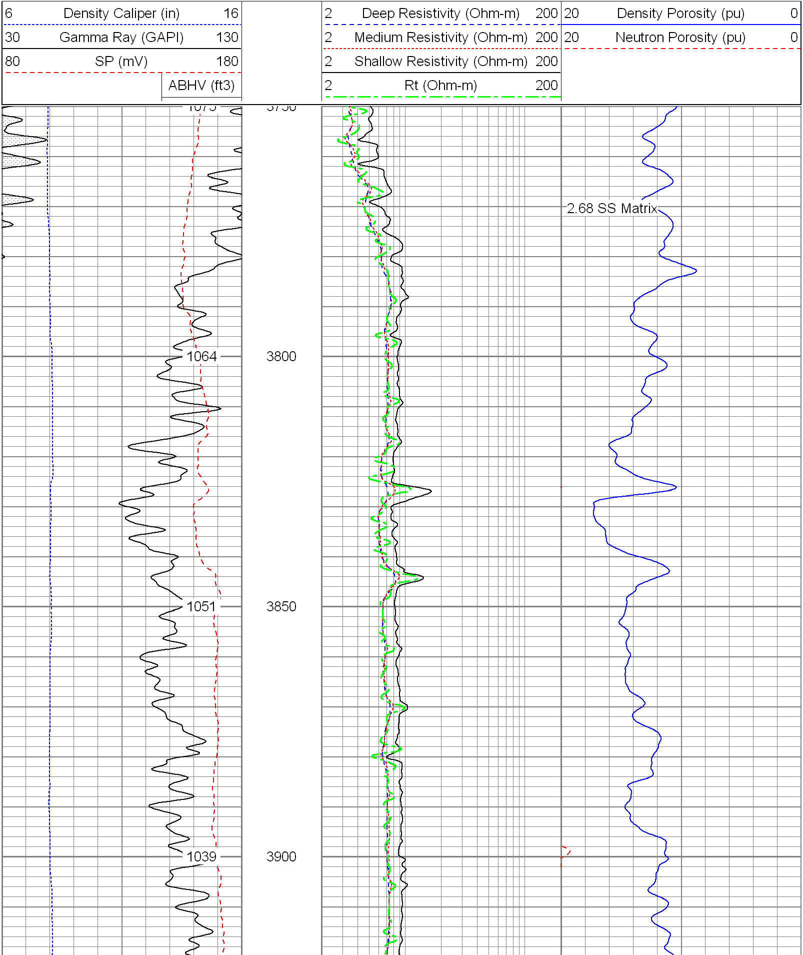
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

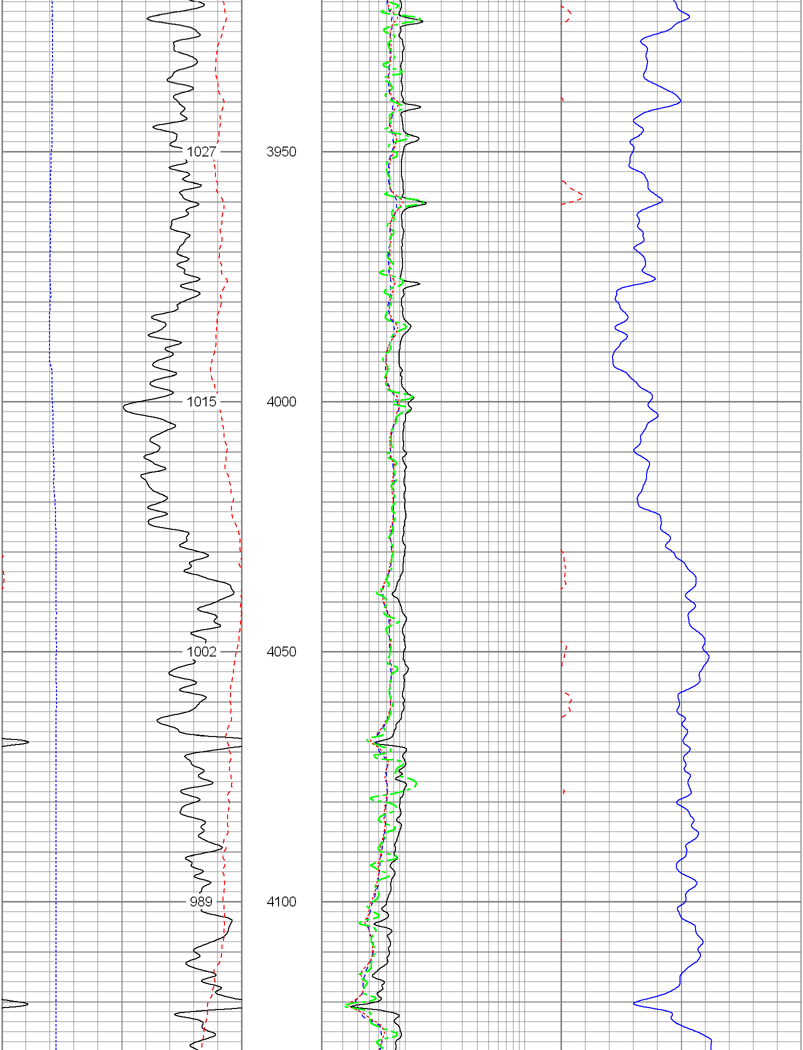
Comments

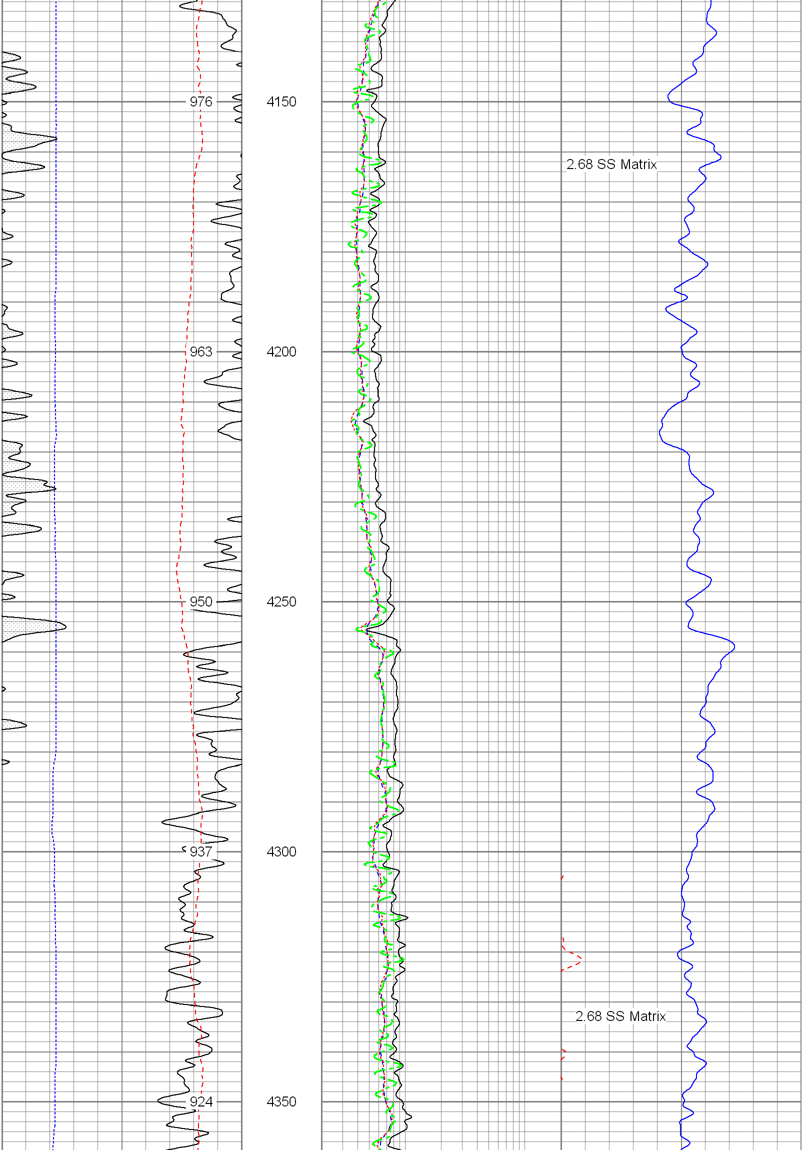
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 33
Thank you for using Phoenix Surveys.
API #: 05-123-33842-00

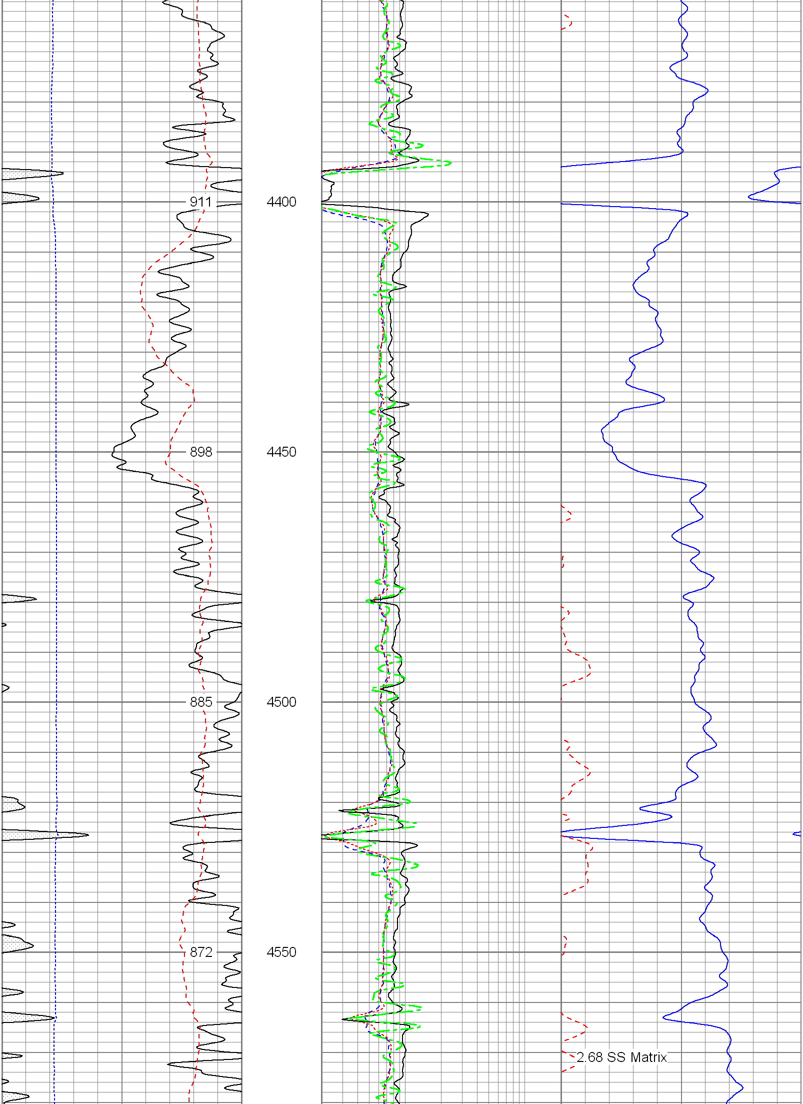
No repeat due to hole conditions.

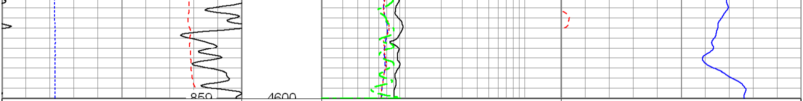
Database File: 11889.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sat Aug 13 03:16:08 2011
Charted by: Depth in Feet scaled 1:240











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
80 SP (mV) 180		2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)		2 Rt (Ohm-m) 200	

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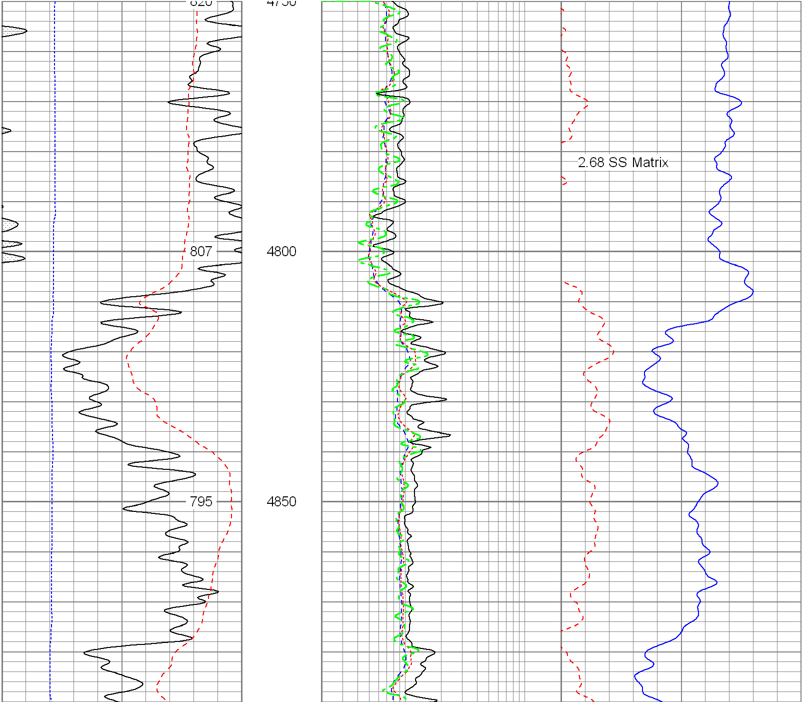

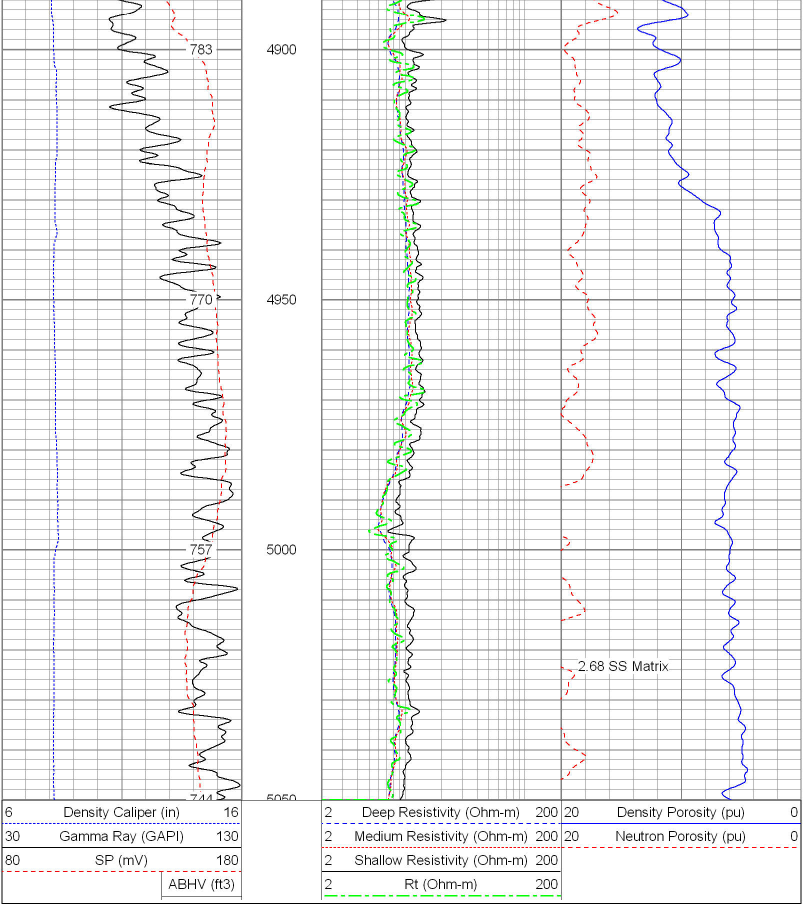

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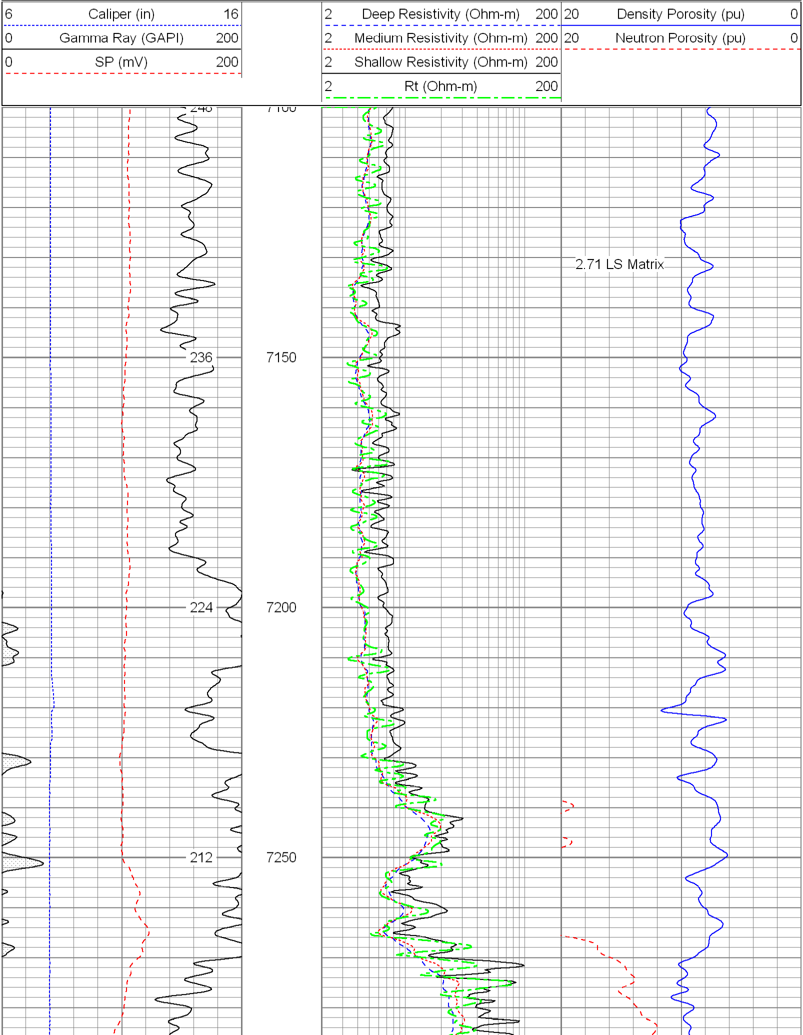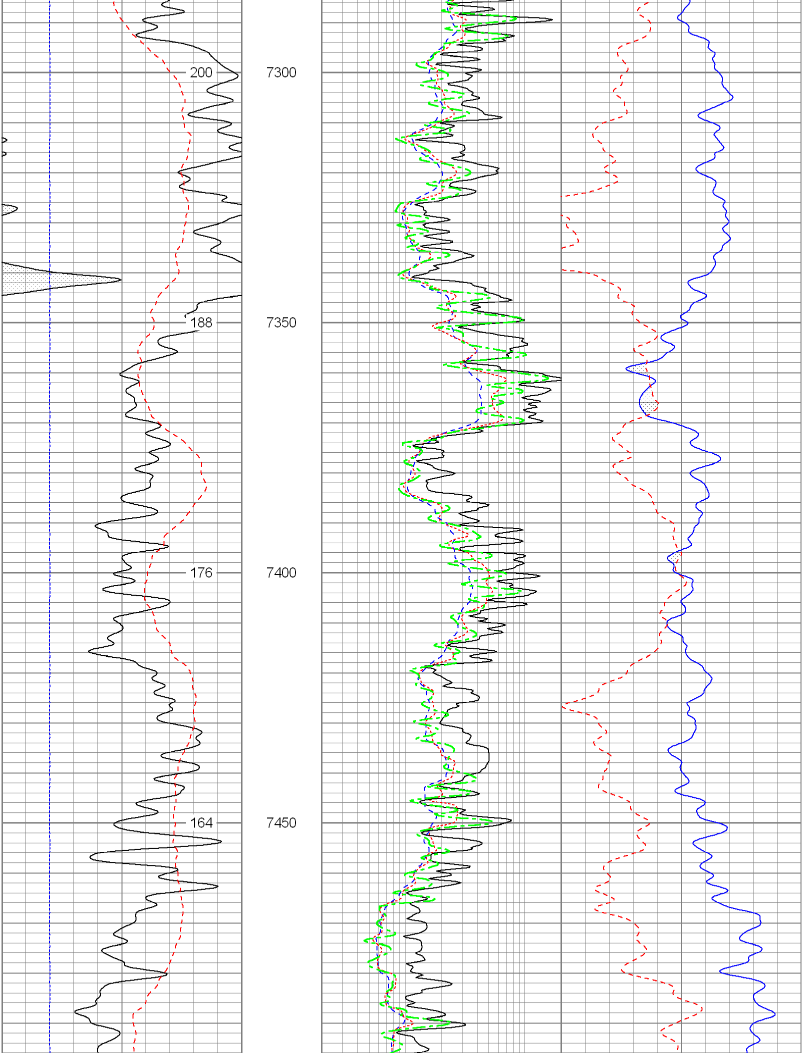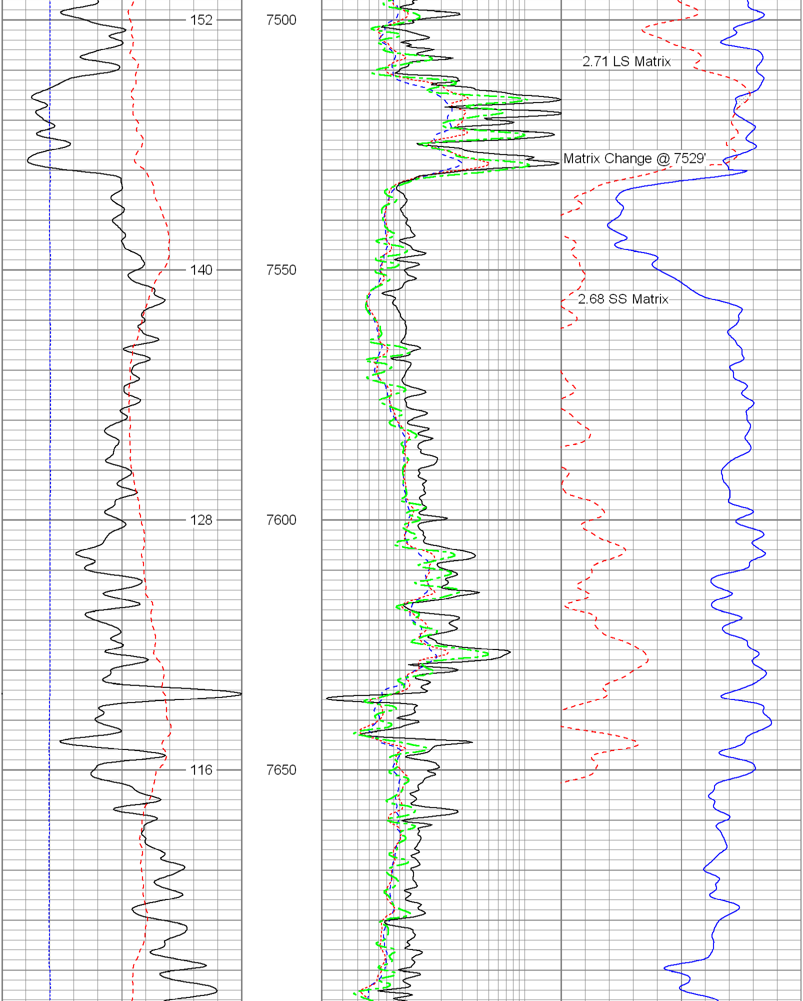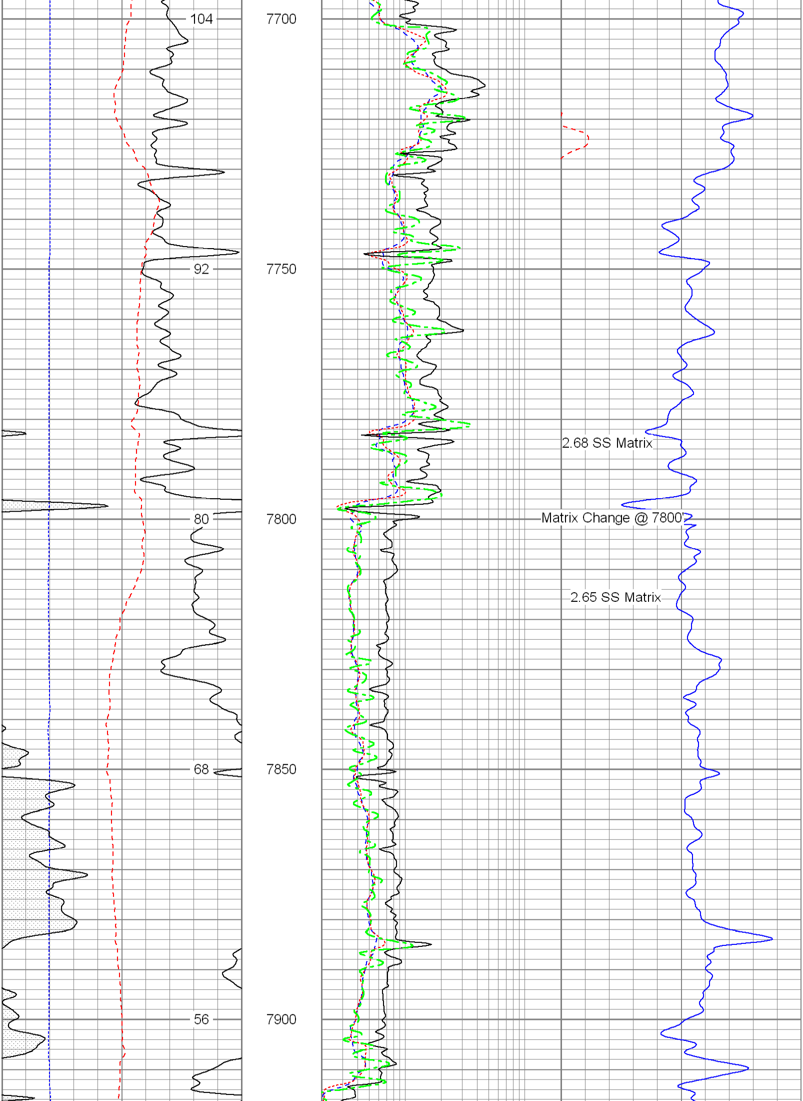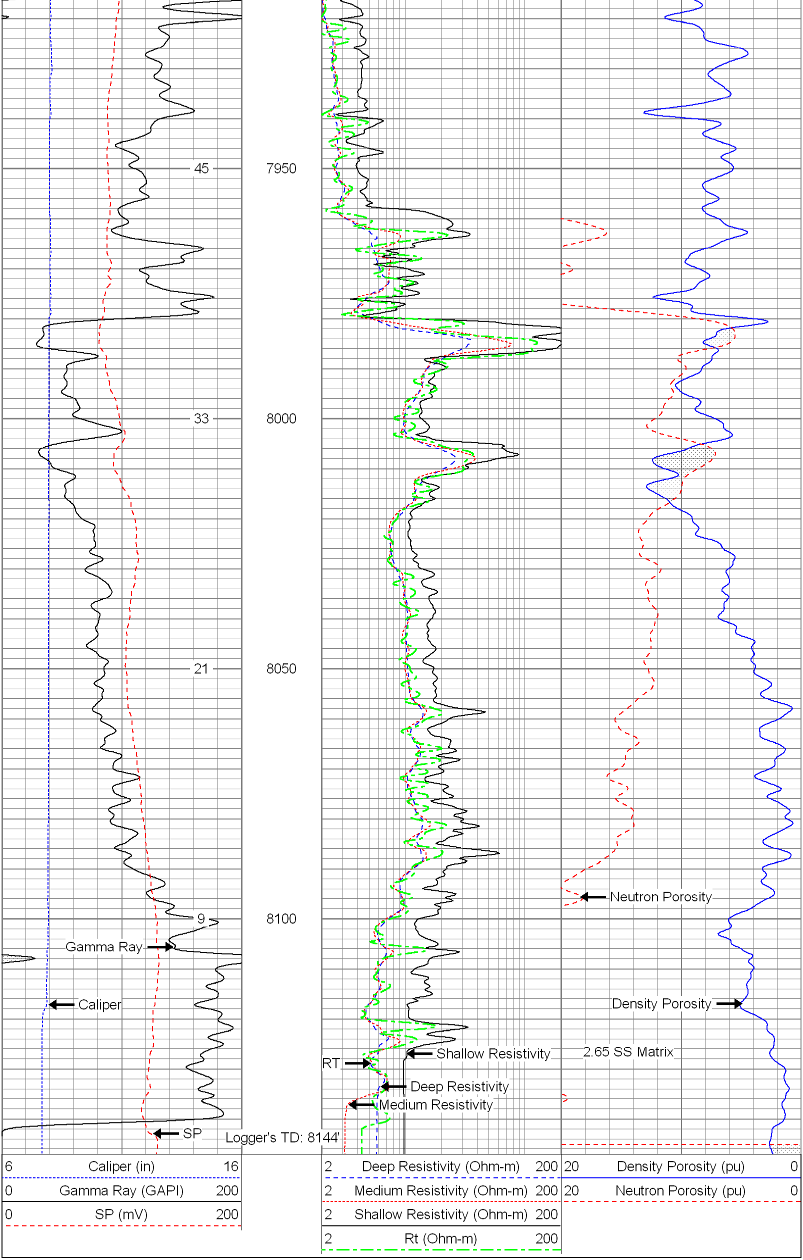
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0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
236
224
212
7150
7200
7250
2.71 LS Matrix