PSI
PHOENIX SURVEYS, INC.

DUAL INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Mineral Resources, Inc
Well	Westmoor 5 2-6-2
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 2313' FNL & 1240' FEL SE NE
BHL: 1345' FSL & 1518' FWL NE SW
Sec. 2, Twp. 5N, Rge. 66W

Other Services
None

Elevation
K.B. 4720
D.F. 4719
G.L. 4701

Permanent Datum GL — Elevation 4701
Log Measured From KB
Drilling Measured From KB

Date	June 6, 2012		
Run Number	1		
Depth Driller	8338		
Depth Logger	8330.		
Bottom Logged Interval	8330		
Top Log Interval	Casing		
Casing Driller	469		
Casing Logger	469		
Bit Size	7 7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 79		
pH / Fluid Loss	8.5 / 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.21 @ 74 °F		
Rmf @ Meas. Temp	2.57 @ 74 °F		
Rmc @ Meas. Temp	3.85 @ 74 °F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.18 @ 201 °F		
Time Circulation Stopped	2100		
Time Logger on Bottom	0330		
Maximum Recorded Temperature	201 °F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Matt Gill	Clint Christensen	
Witnessed By	Red Benge		

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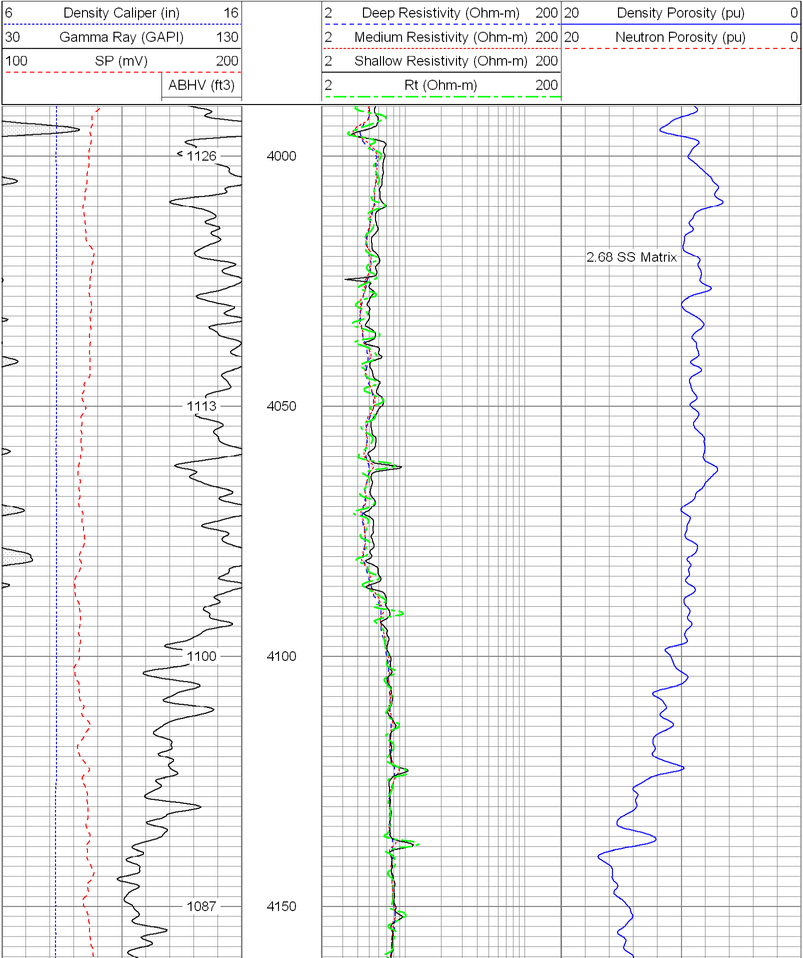
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

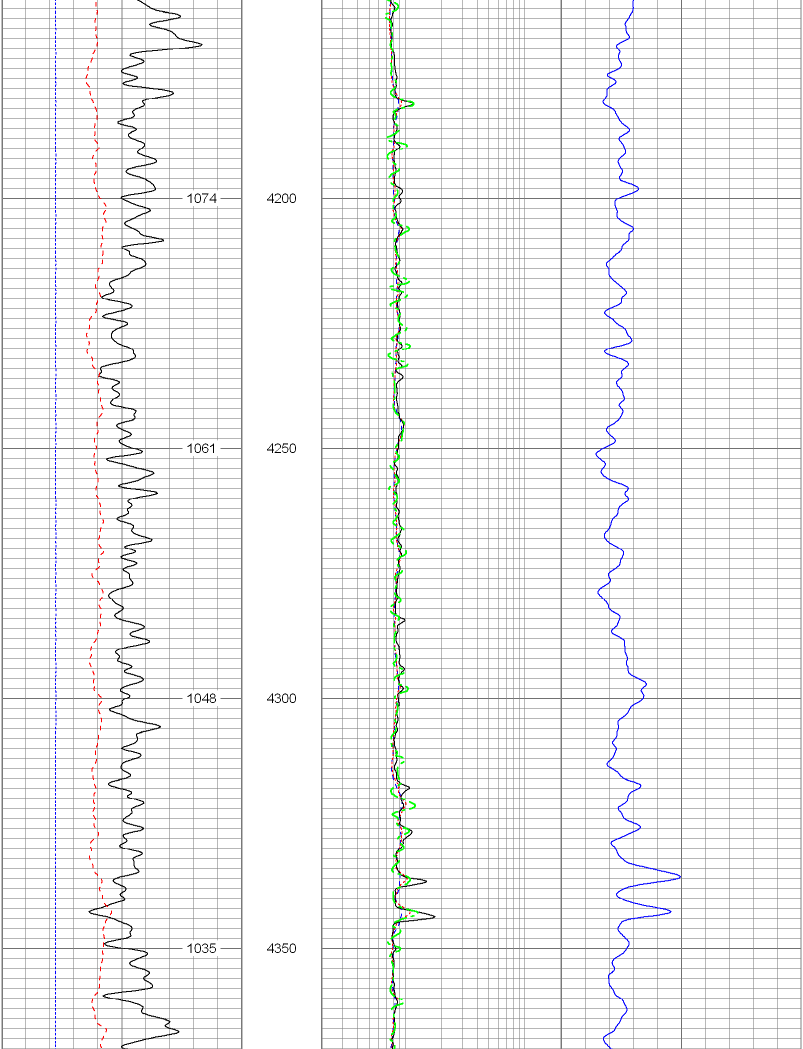
Comments

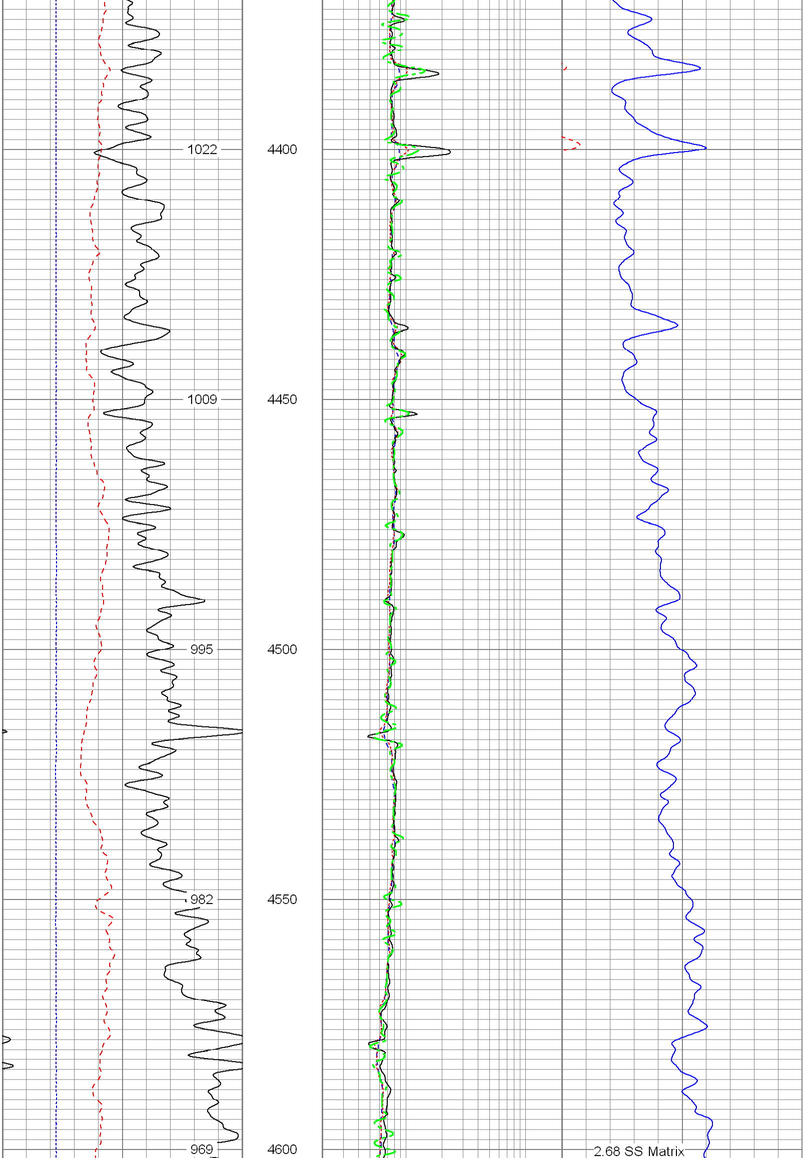
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 14
Thank you for using Phoenix Surveys!!
API #: 05-123-34640-00

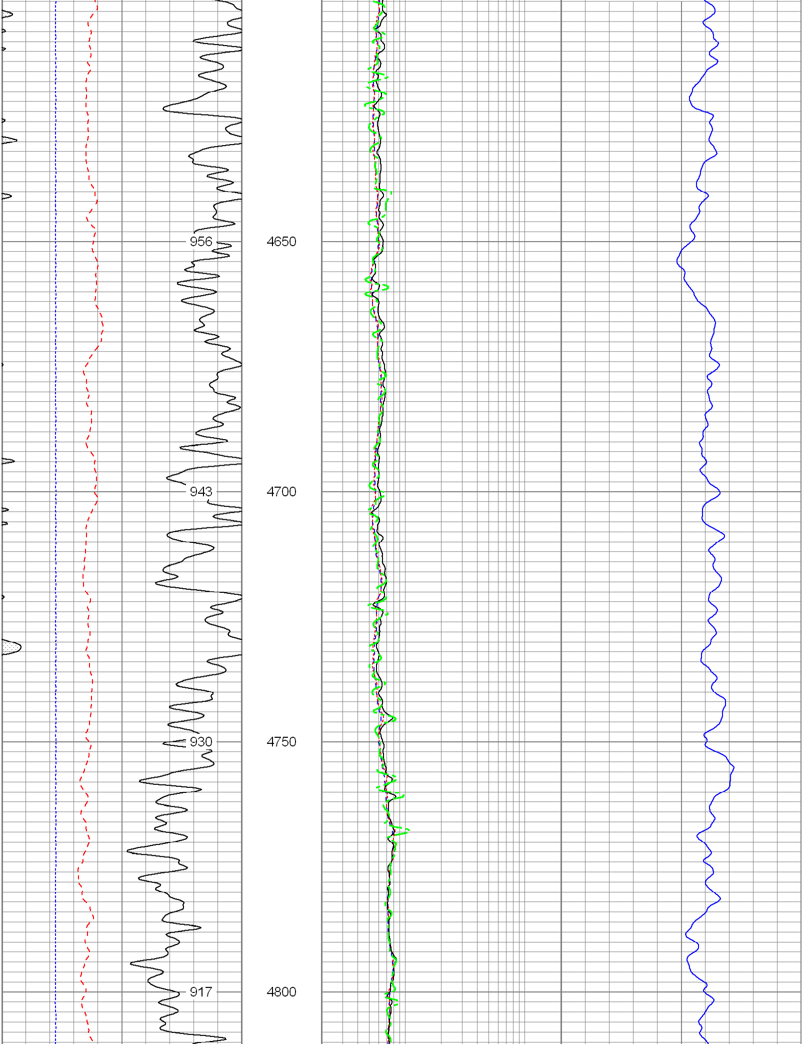
No Repeat Due to Hole Conditions

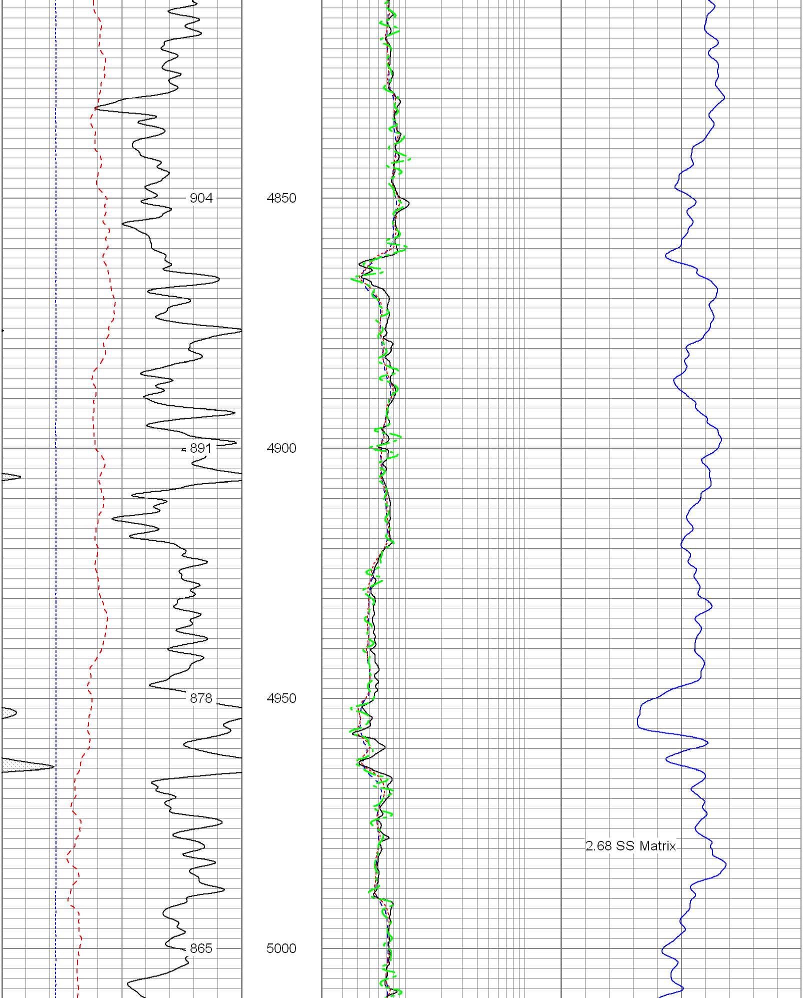
Database File:	12980.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Wed Jun 06 03:57:32 2012
Charted by:	Depth in Feet scaled 1:240

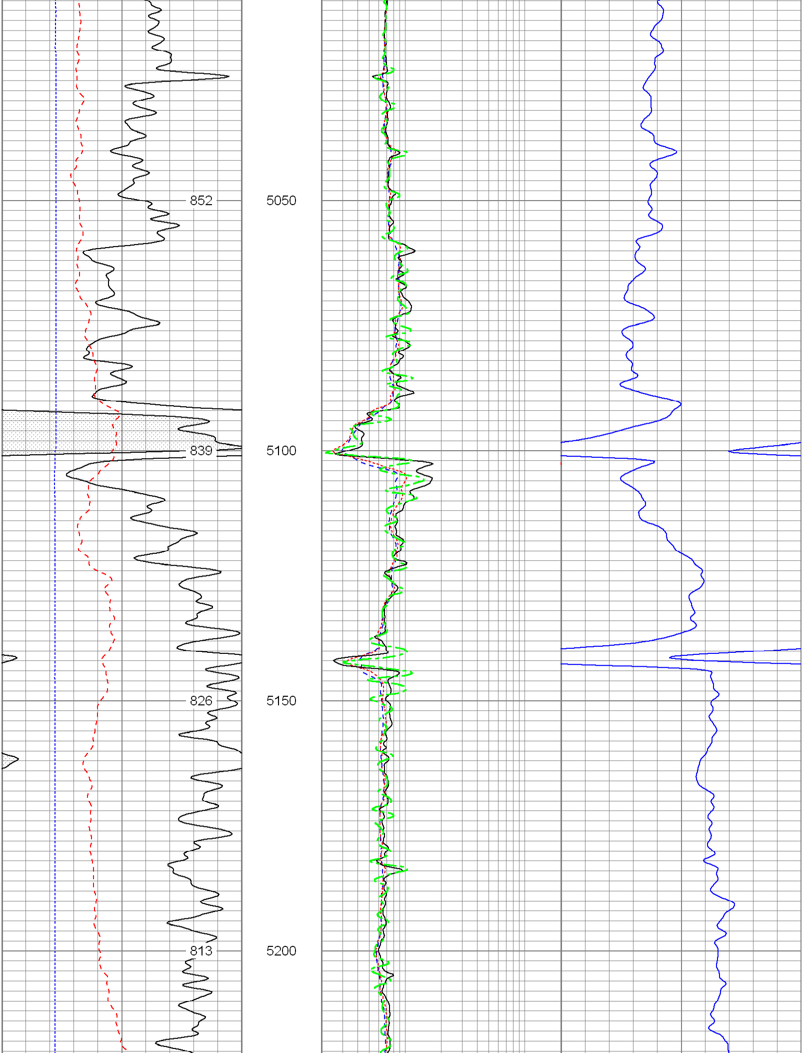


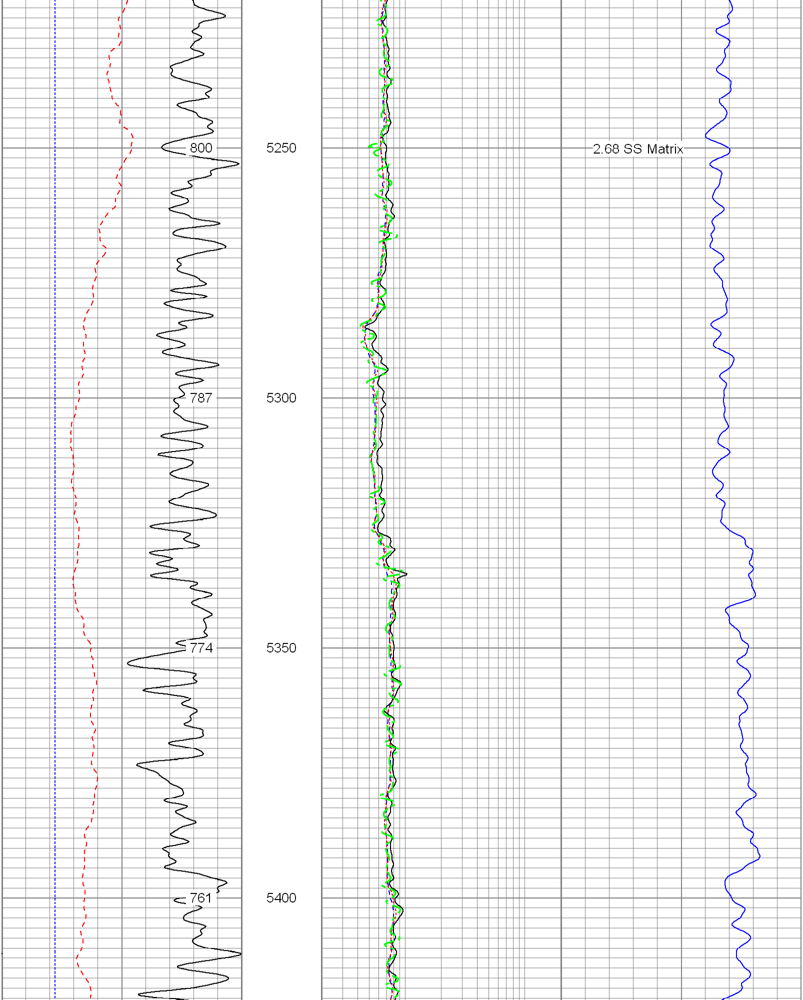


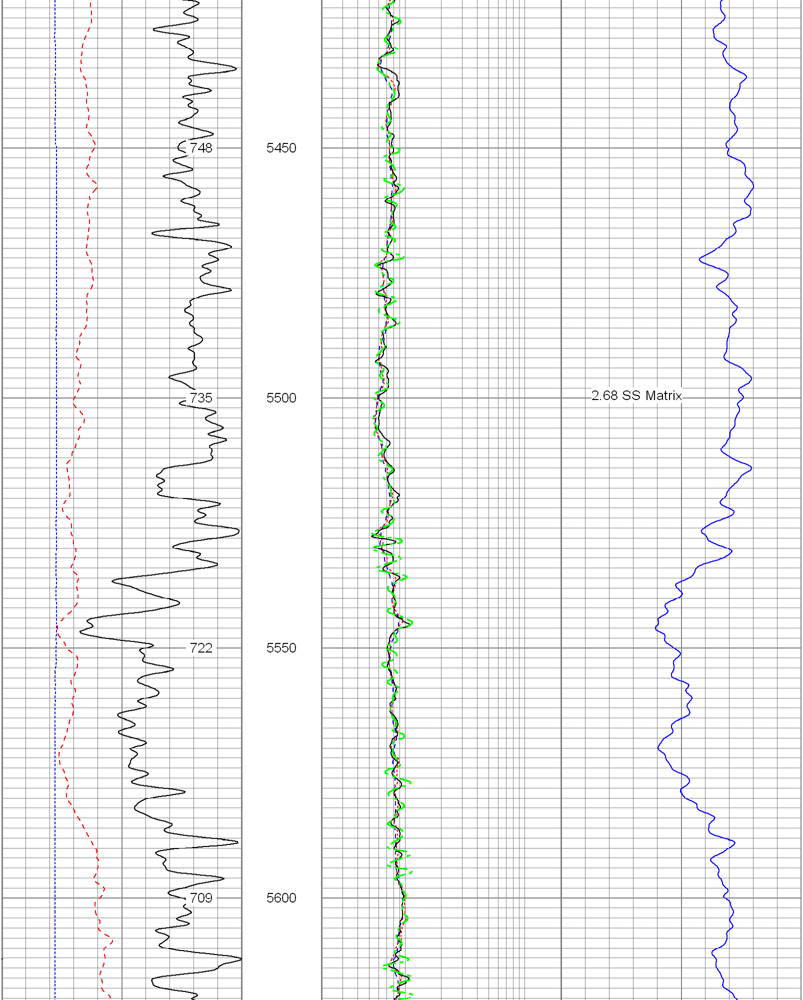


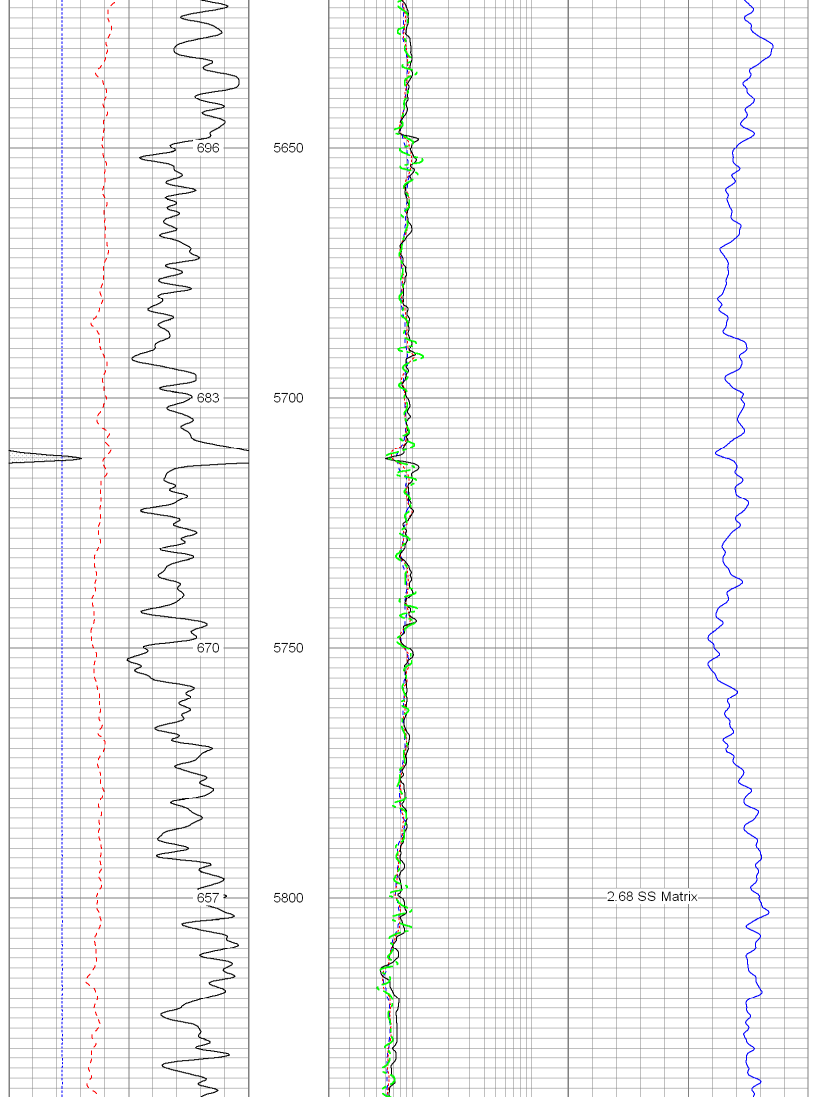


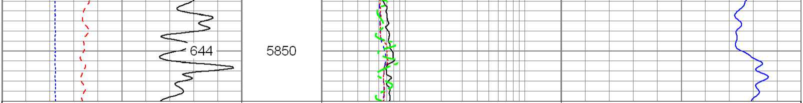












6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
100 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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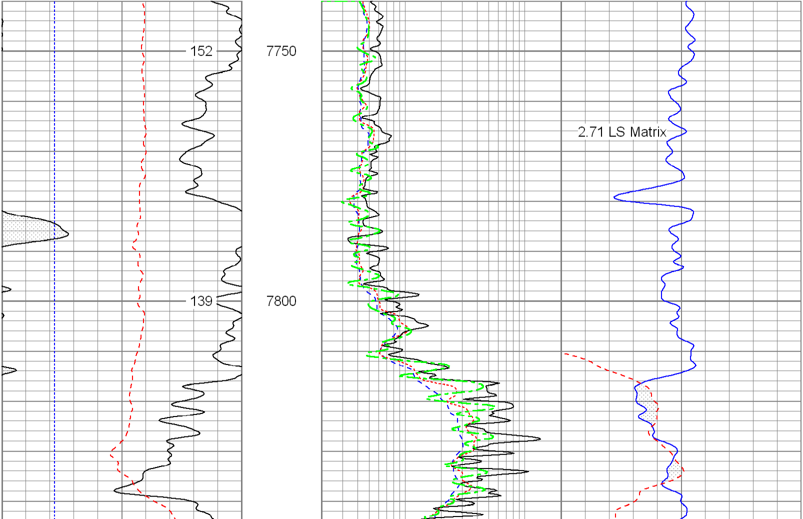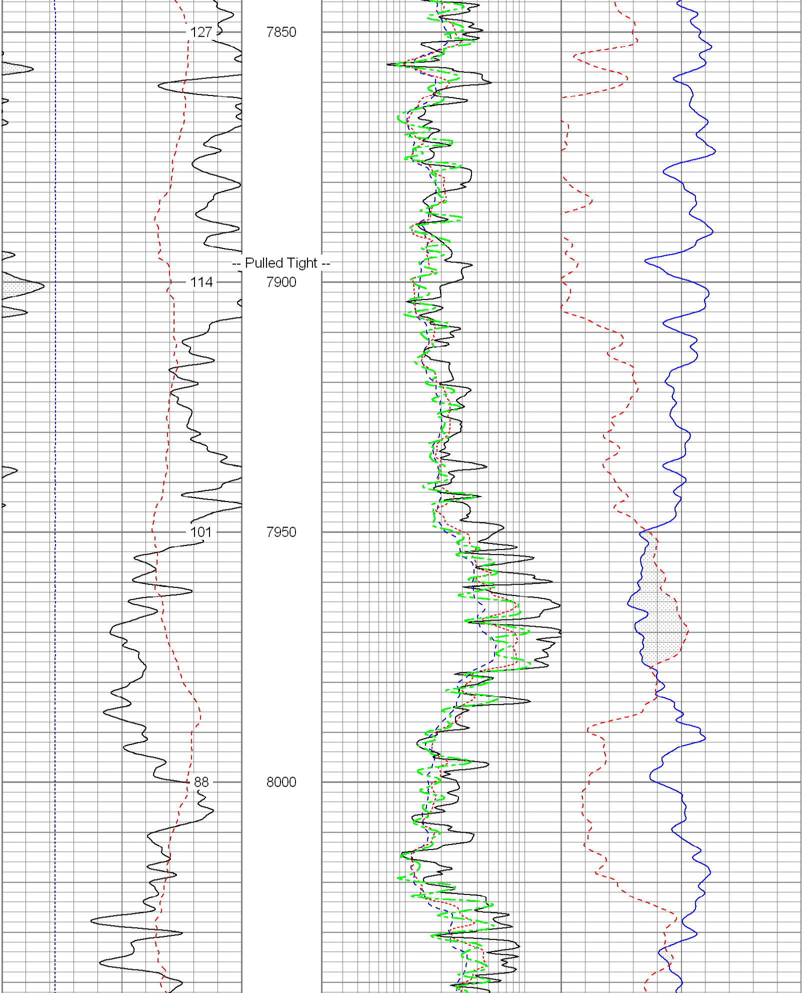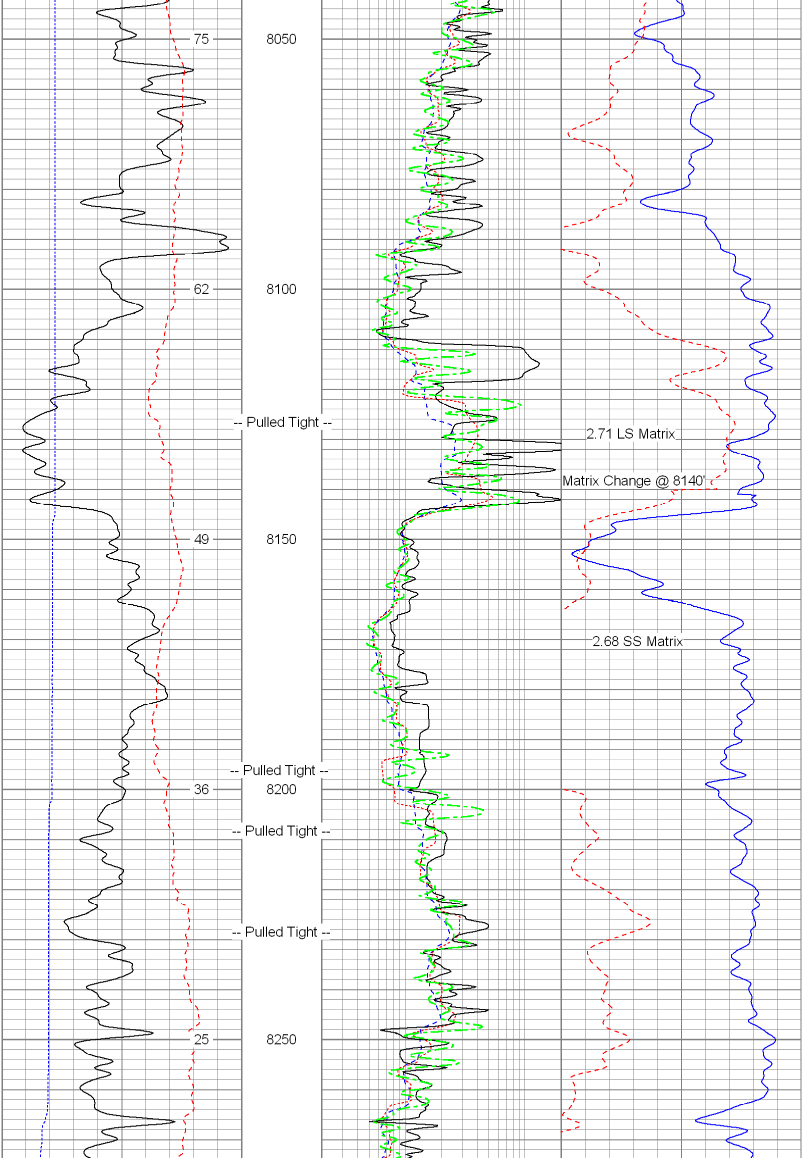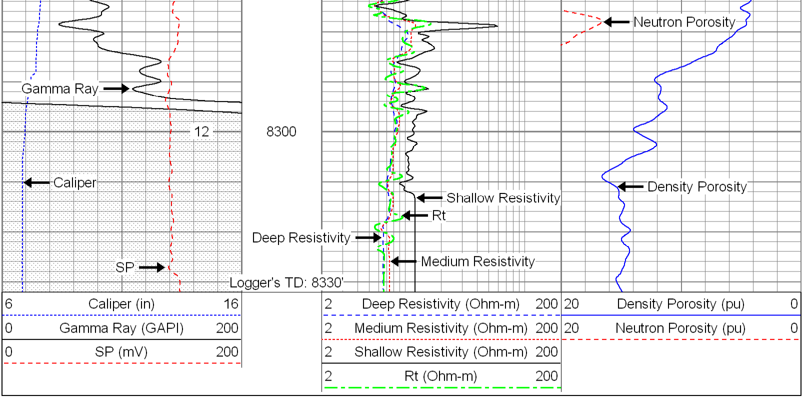6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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