PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company	Great Western Oil & Gas LLC
Well	Great Western 25-53
Field	Wattenberg
County	Weld
State	Colorado

Company Great Western Oil & Gas LLC

Well Great Western 25-53

Field Wattenberg

County Weld **State** Colorado

Location: API # : 05123357060

SHL: 2374' FSL & 1031' FWL NWSW
BHL: 1268' FSL & 1326' FWL SESW
SEC 25 TWP 6N RGE 67W

Other Services
None

Permanent Datum	GL	Elevation	4752
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4766
D.F. 4765
G.L. 4752

Date	August 3, 2012			
Run Number	1			
Depth Driller	7407			
Depth Logger	7407			
Bottom Logged Interval	7407			
Top Log Interval	Casing			
Casing Driller	732			
Casing Logger	732			
Bit Size	7-7/8"			
Type Fluid in Hole	Chem Gel			
Density / Viscosity	9.2 / 61			
pH / Fluid Loss	8.0 / 11.2			
Source of Sample	Flow Line			
Rm @ Meas. Temp	2.95 @ 77 F			
Rmf @ Meas. Temp	2.36 @ 77 F			
Rmc @ Meas. Temp	3.54 @ 77 F			
Source of Rmf / Rmc	Measure / Calc			
Rm @ BHT	1.08 @ 210 F			
Time Circulation Stopped	1530			
Time Logger on Bottom	2115			
Maximum Recorded Temperature	210 F			
Equipment Number	52			
Location	Brighton, CO			
Recorded By	Kelly Keever			
Witnessed By	Johnson	Scanniello		

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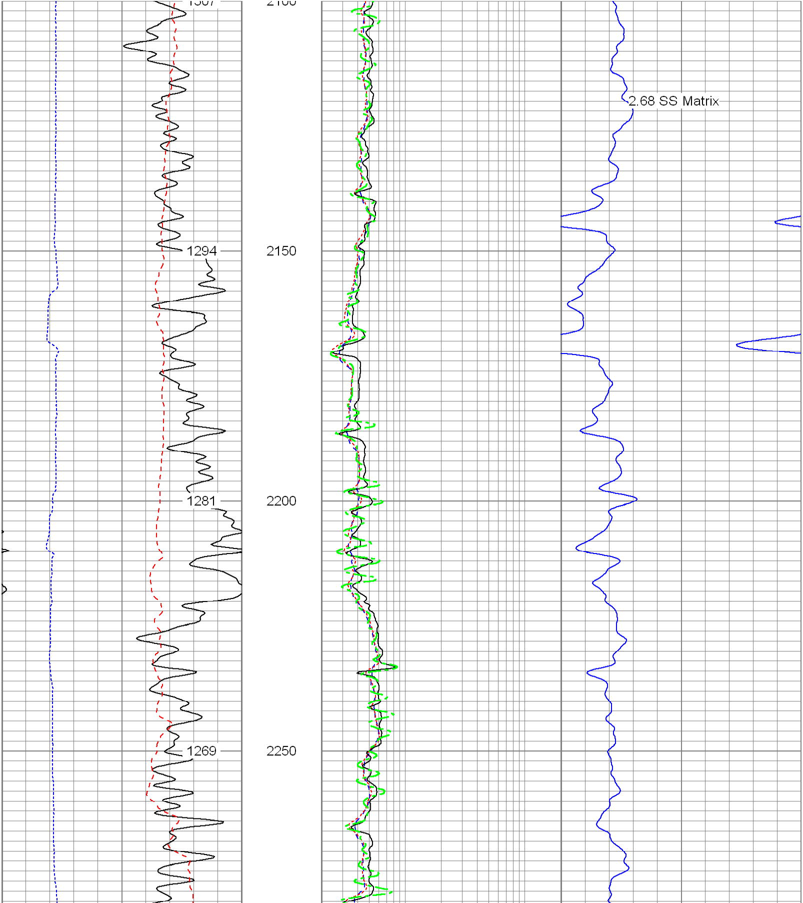
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

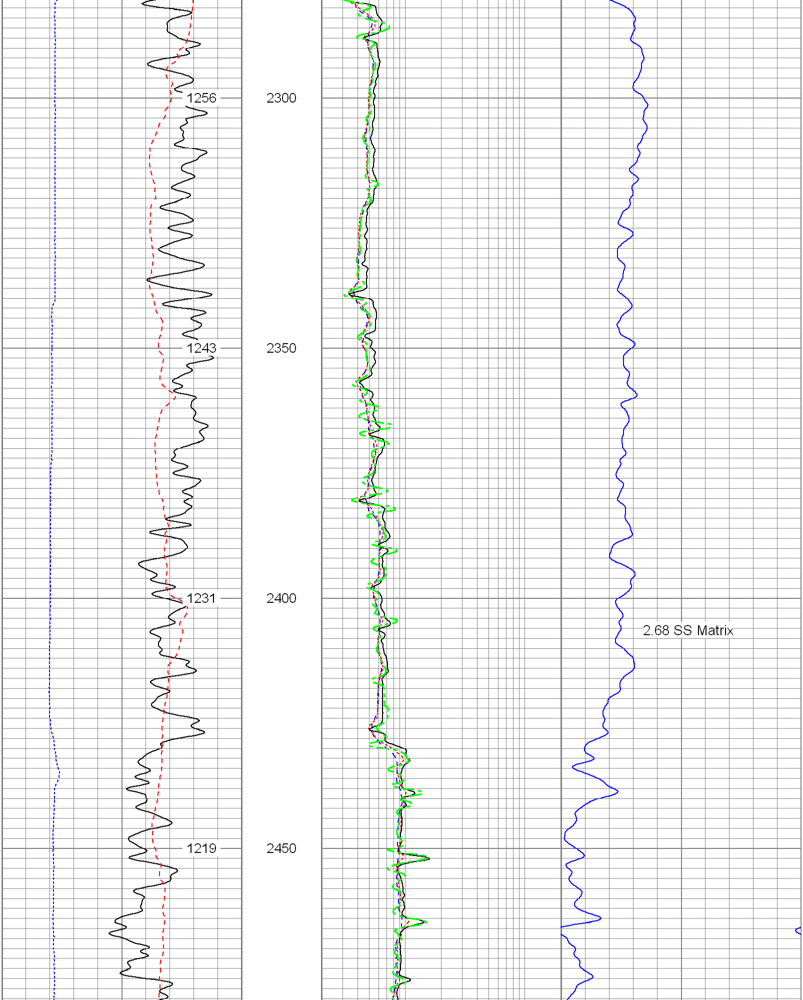
Comments

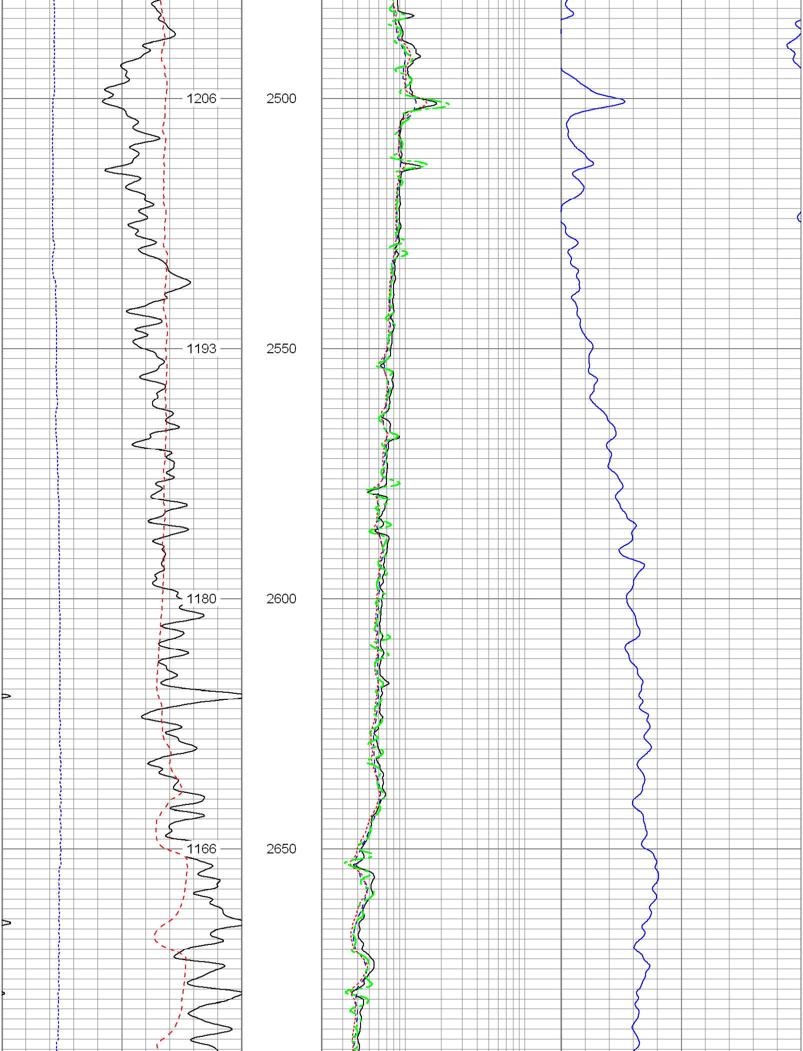
Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy Services!!
API #: 05-123-35706-00

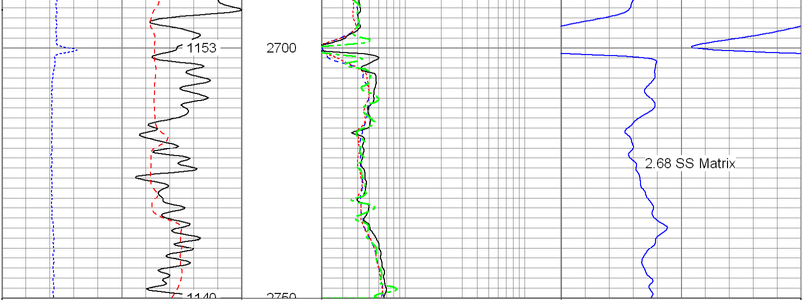
Database File: 13079.db
Dataset Pathname: final1
Presentation Format: pdc1
Dataset Creation: Fri Aug 03 22:21:42 2012
Charted by: Depth in Feet scaled 1:240

6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
80	SP (mV)	180
	ABHV (ft3)	
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









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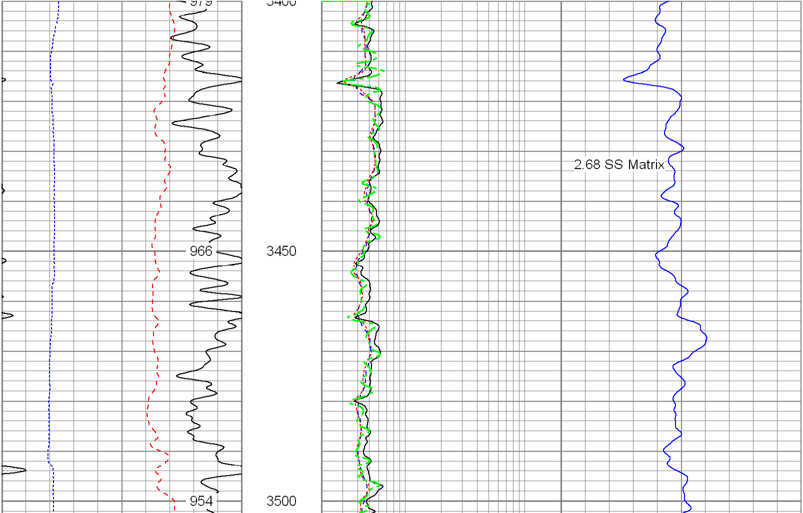

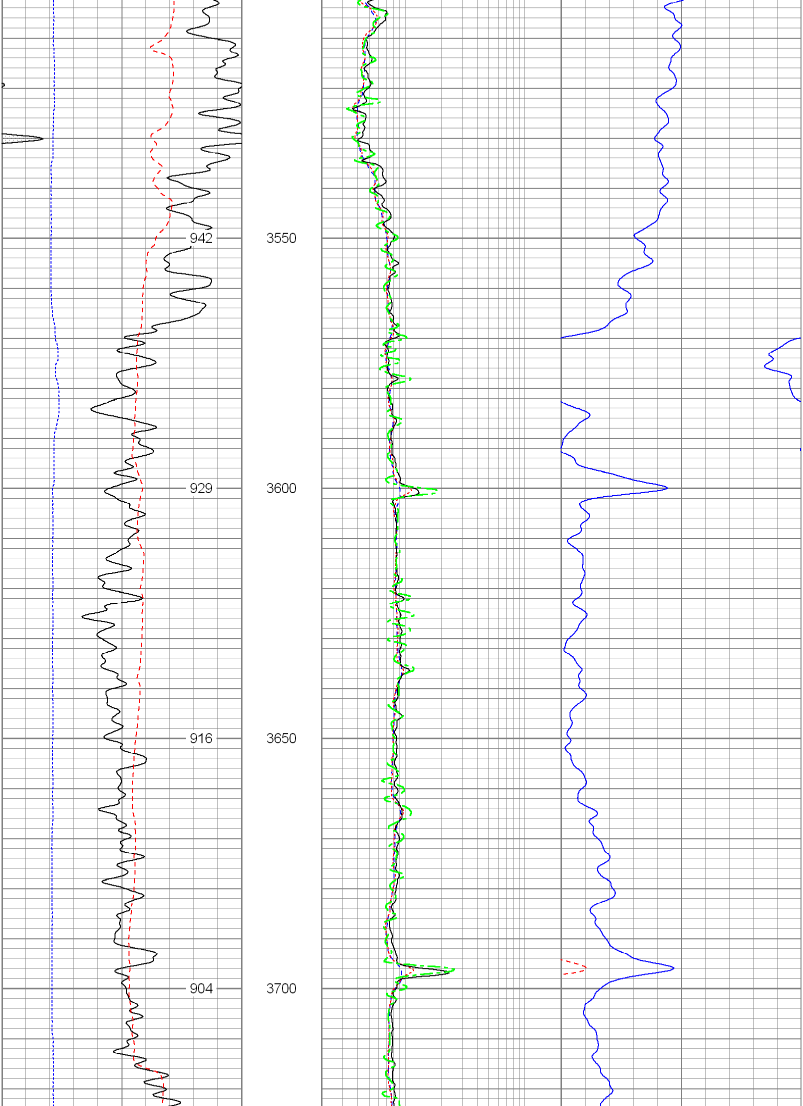

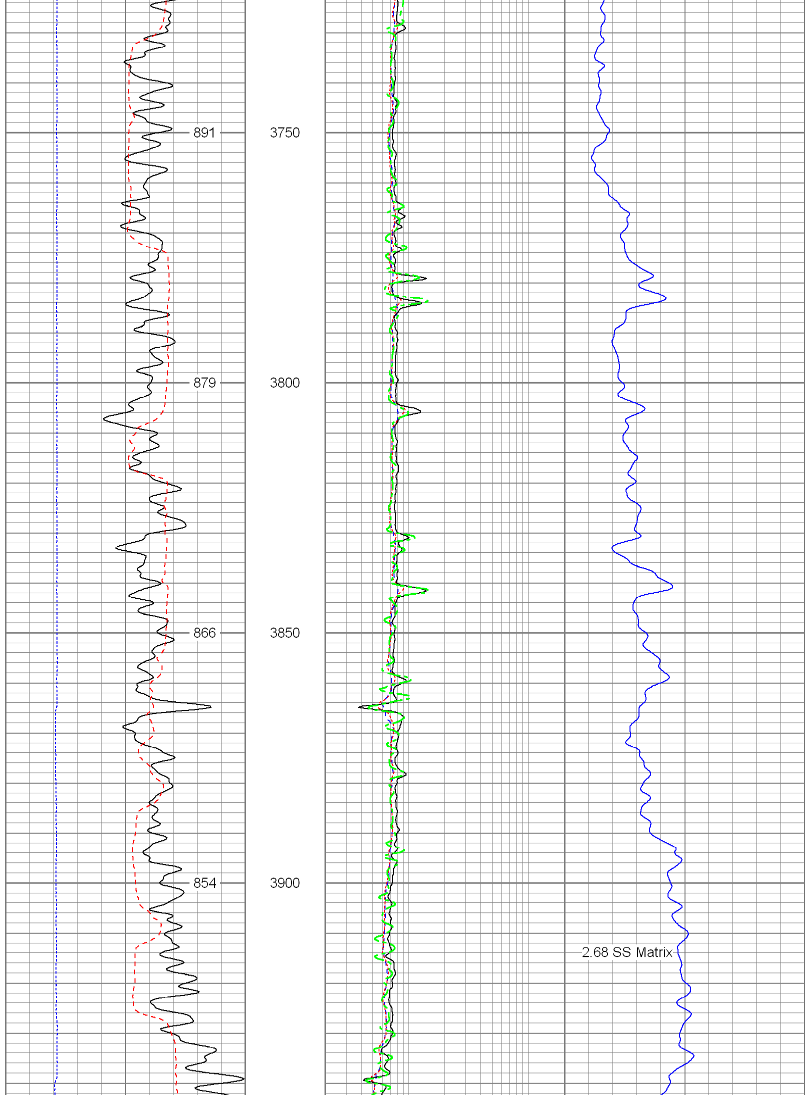

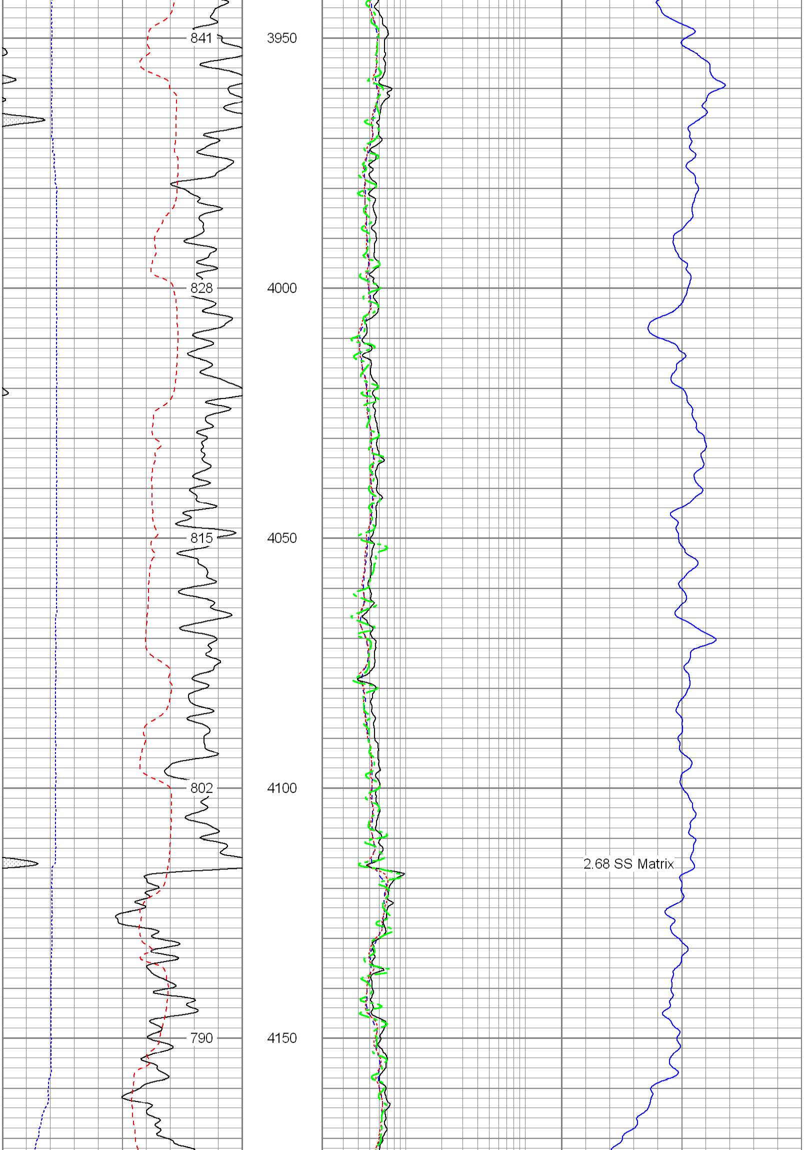

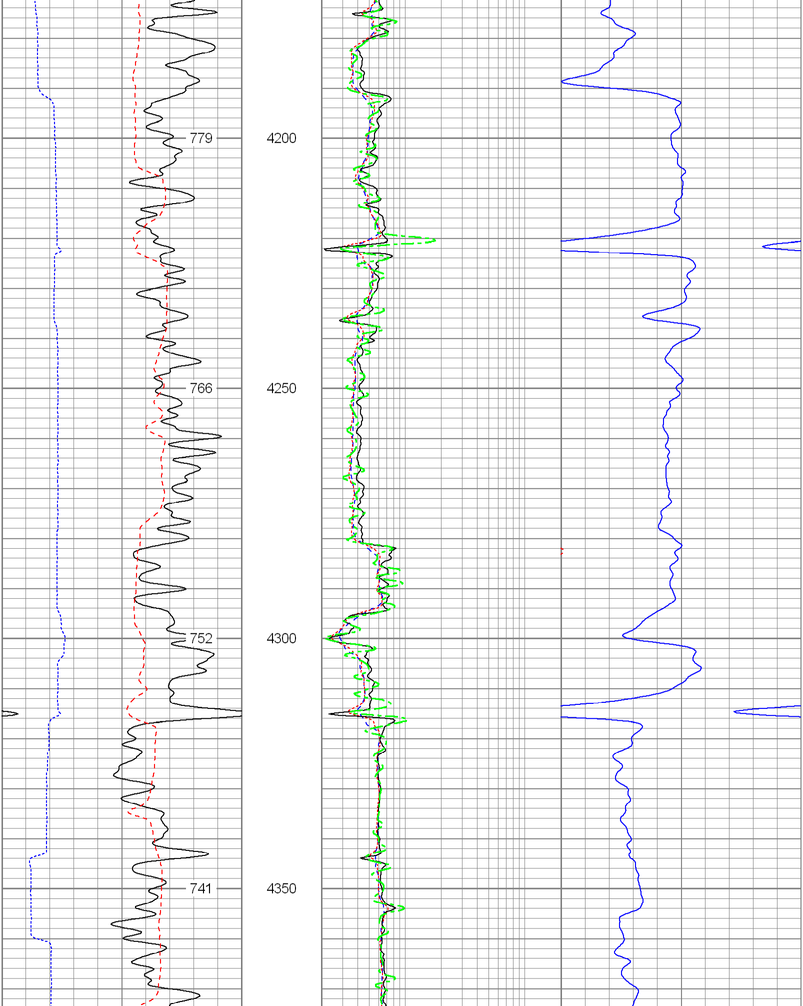

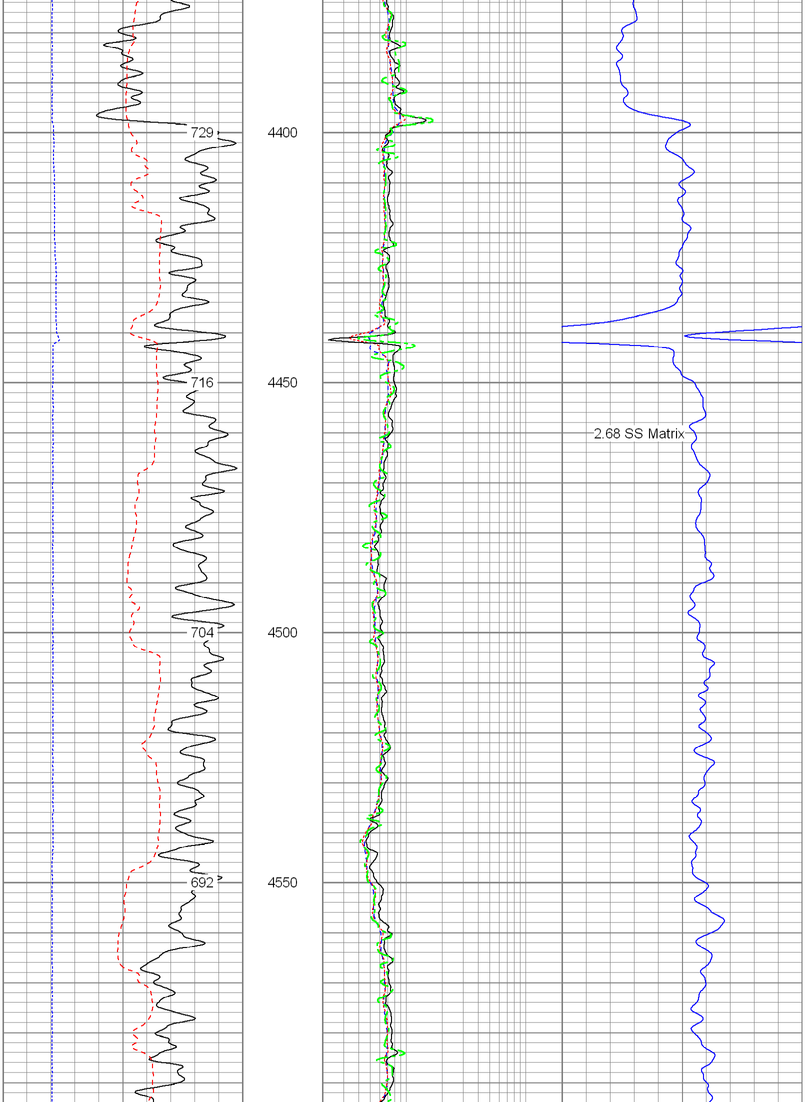

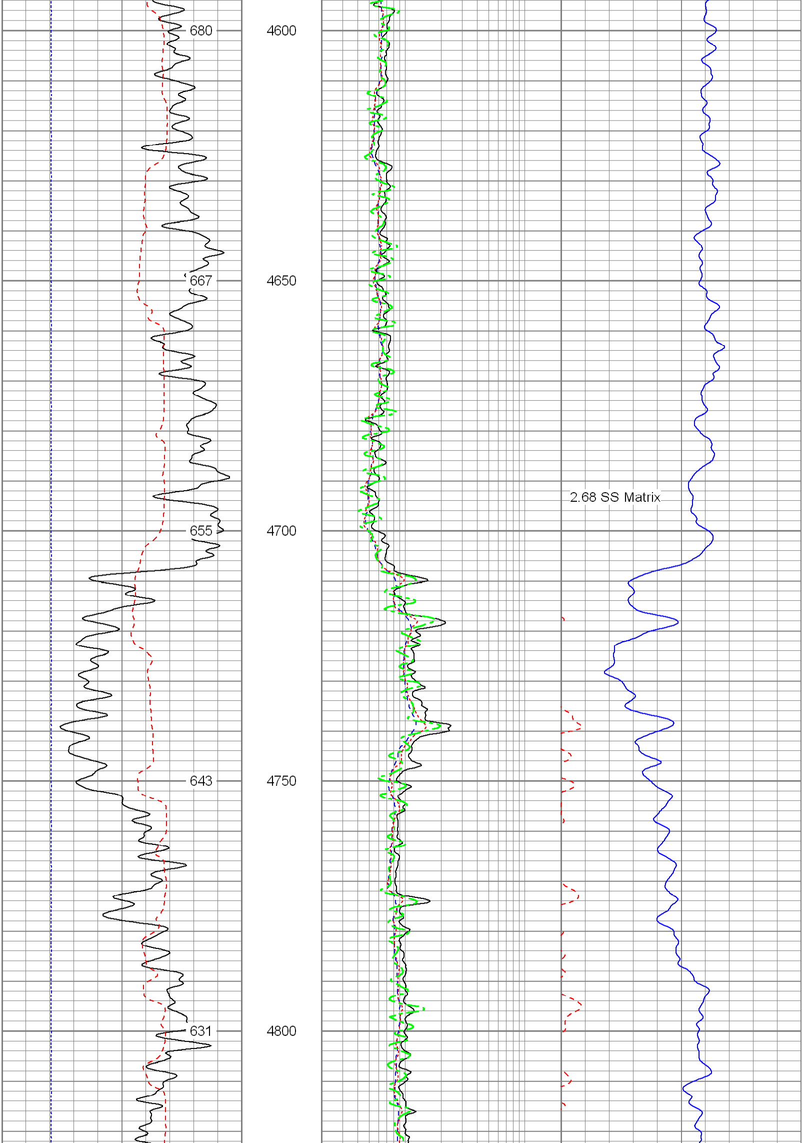

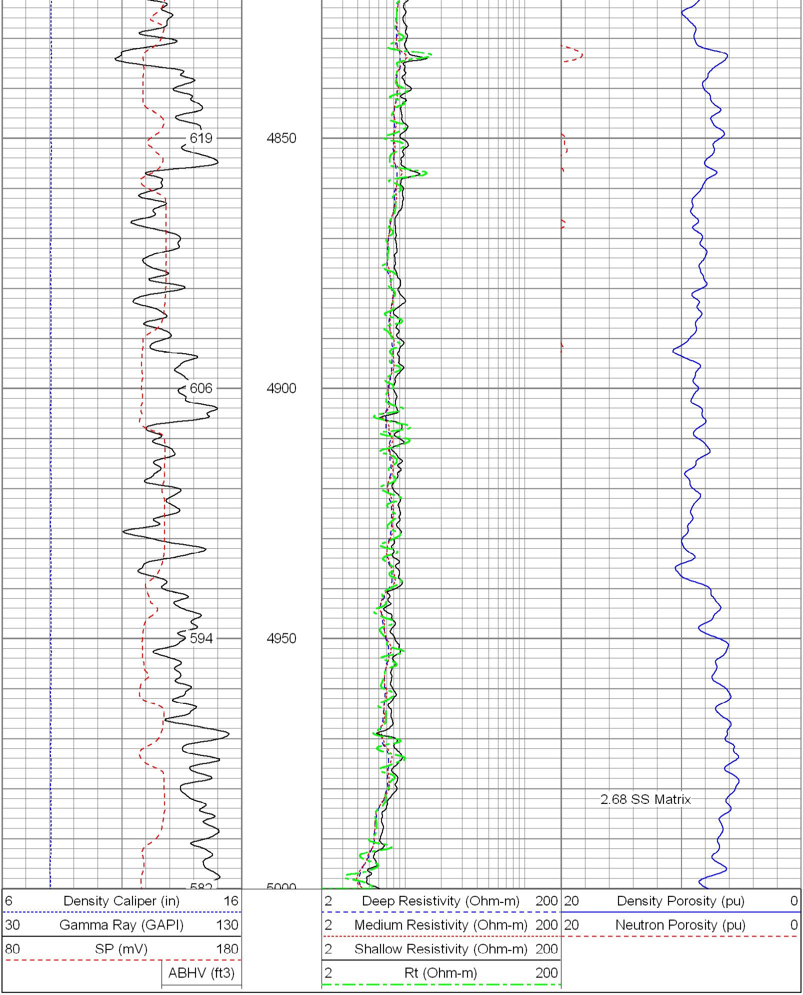

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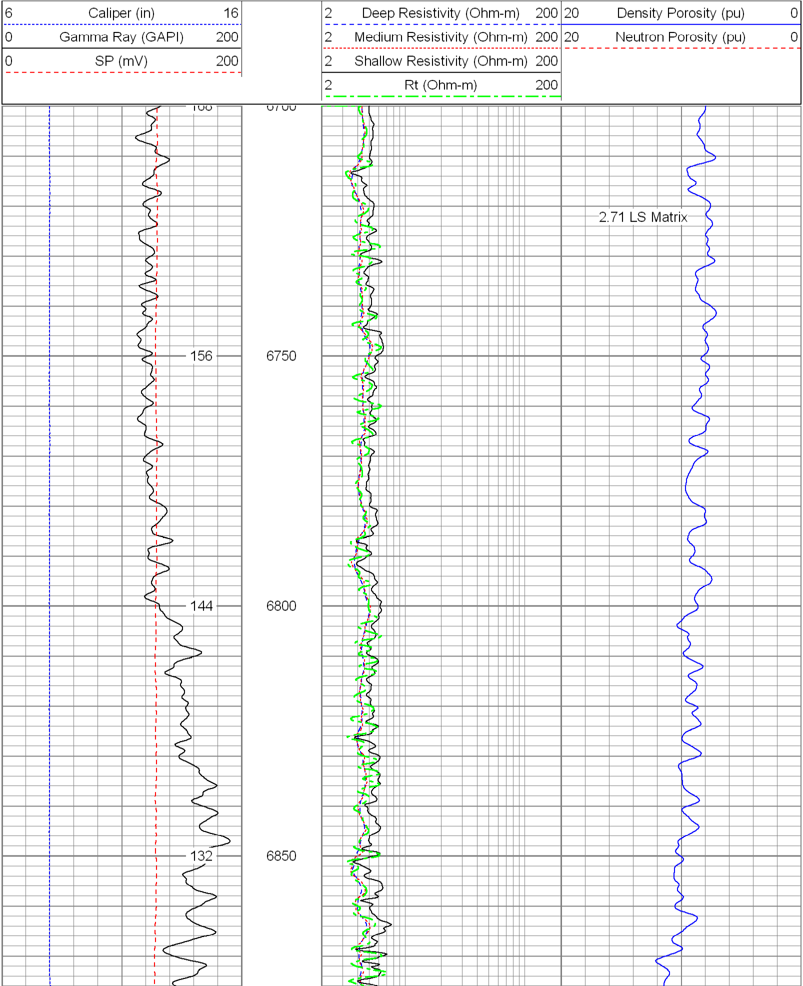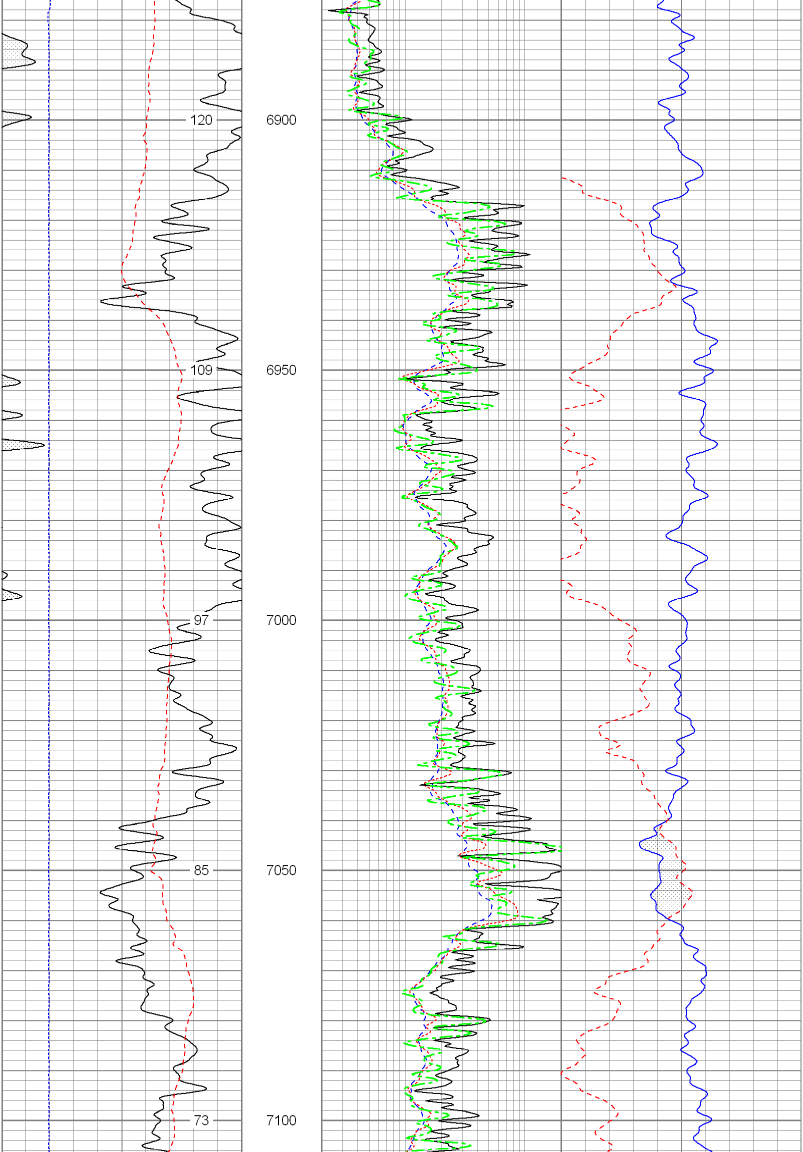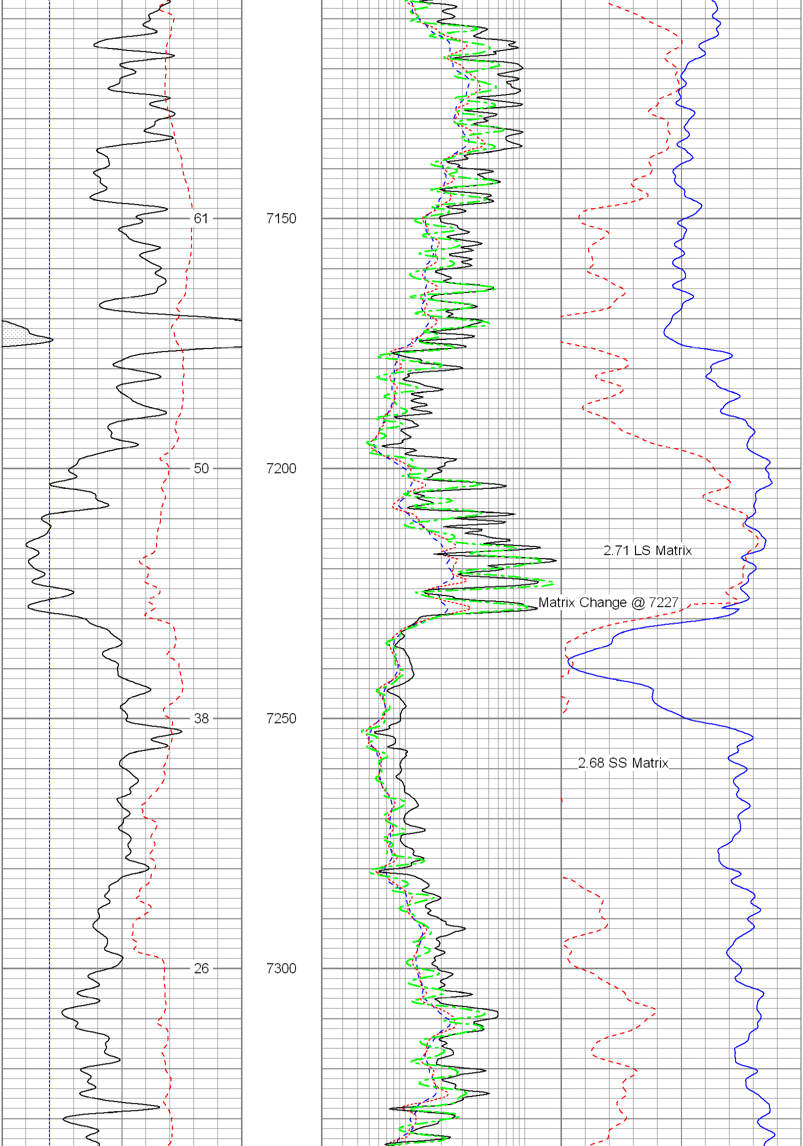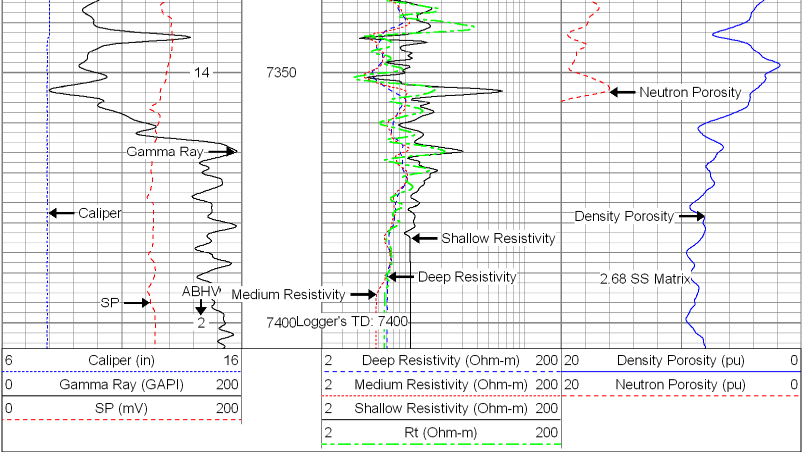
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2 Rt (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
156
6750
144
6800
132
6850
2.71 LS Matrix