Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON MEASURED DEPTH

Company	Great Western Oil & Gas LLC
Well	Land JG 31-36D
Field	Wattenberg
County	Weld
State	Colorado

Company Great Western Oil & Gas LLC
Well Land JG 31-36D
Field Wattenberg
County Weld **State** Colorado

Location: API # : 05123365860000

SHL: 229' FSL & 929' FWL SWSW
EST. BHL: 74' FSL & 2432' FWL SESW

SEC 31 TWP 2N RGE 64W

Other Services
None

Permanent Datum	GL	Elevation	4933
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4947
D.F. 4946
G.L. 4933

Date	March 3, 2013		
Run Number	1		
Depth Driller	7600 MD		
Depth Logger	7595 MD		
Bottom Logged Interval	7595 MD		
Top Log Interval	Casing		
Casing Driller	1043		
Casing Logger	1043		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 51		
pH / Fluid Loss	8.5 / 12		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.33 @ 61 F		
Rmf @ Meas. Temp	2.50 @ 61 F		
Rmc @ Meas. Temp	4.16 @ 61 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.01 @ 212 F		
Time Circulation Stopped	1800		
Time Logger on Bottom	2200		
Maximum Recorded Temperature	212 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Shawn Armstrong	Mark 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 4.5" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy Services!!

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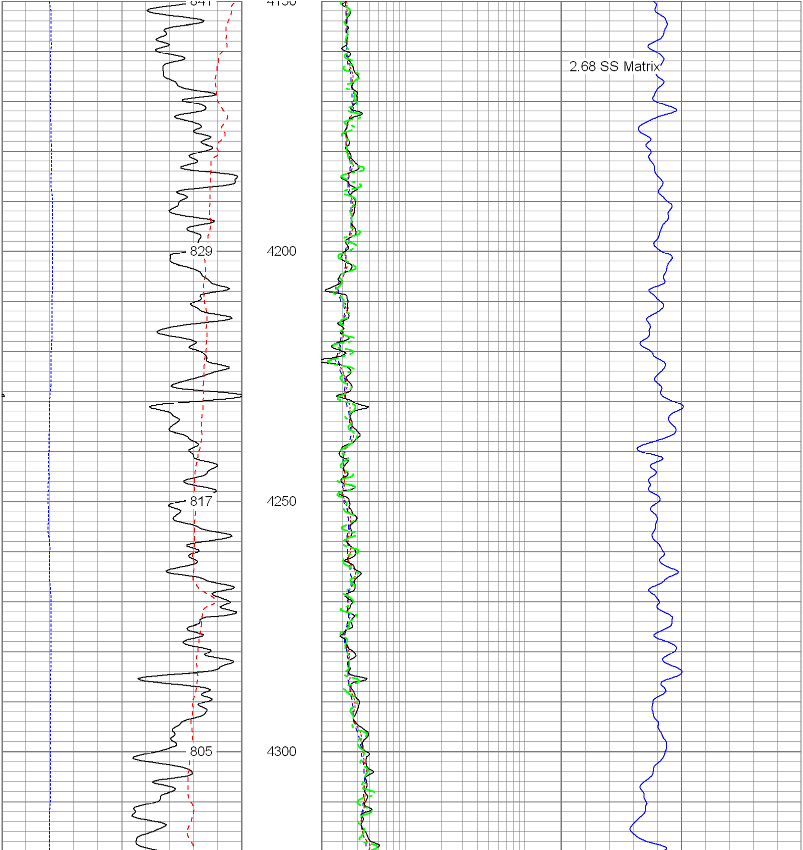
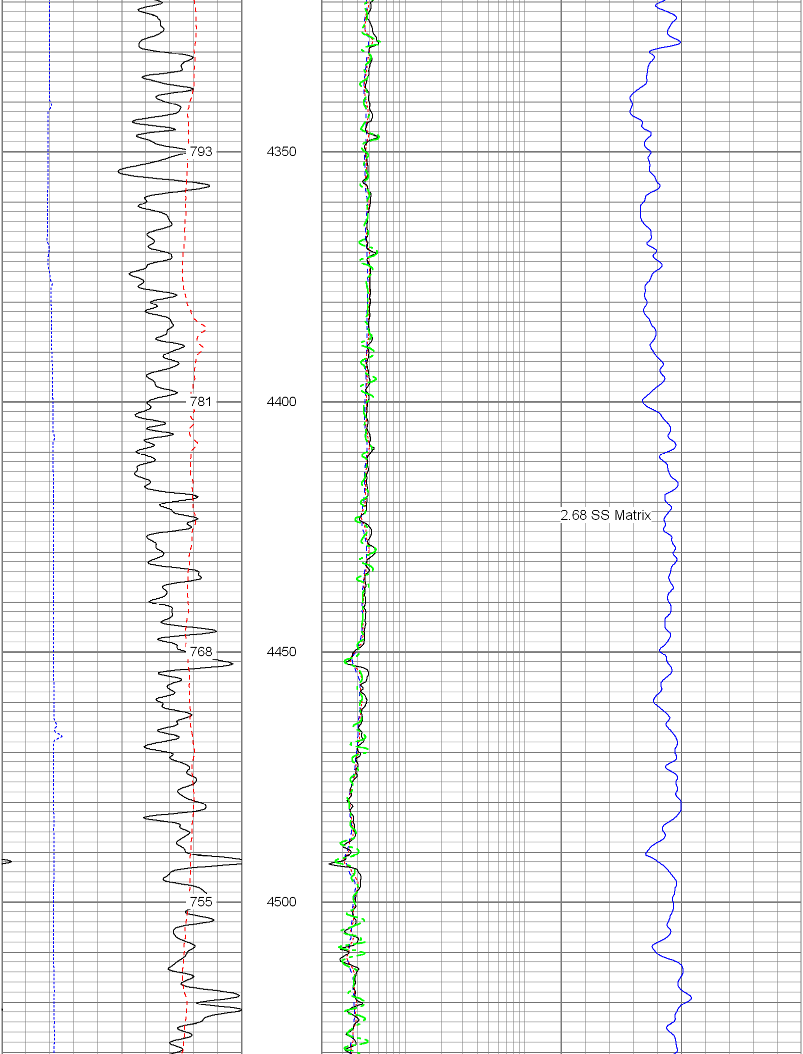
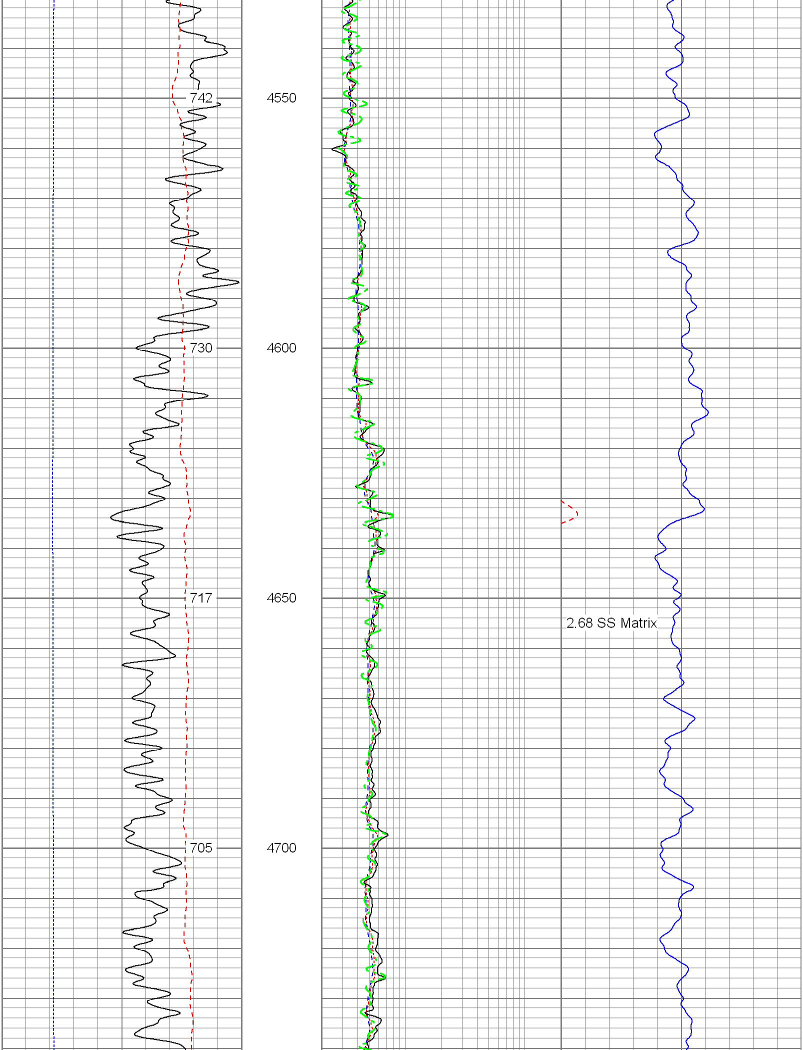
MAIN PASS

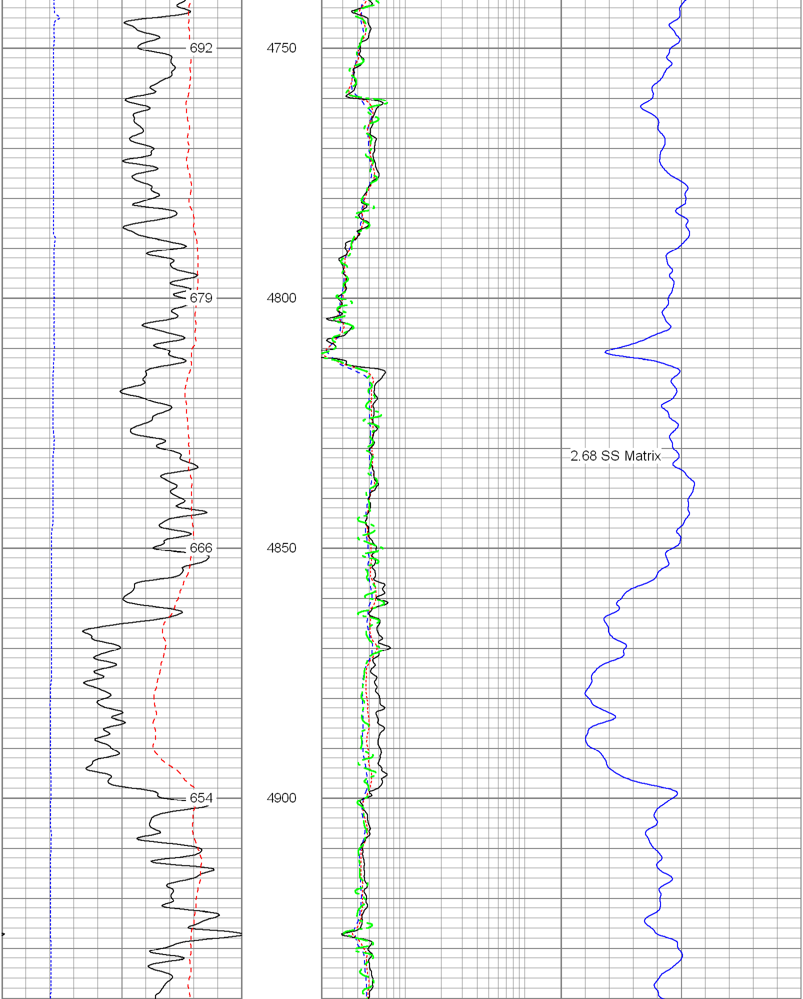
Database File:	13288.db
Dataset Pathname:	finalmd
Presentation Format:	pdc1
Dataset Creation:	Sun Mar 03 23:43:11 2013
Charted by:	Depth in Feet scaled 1:240

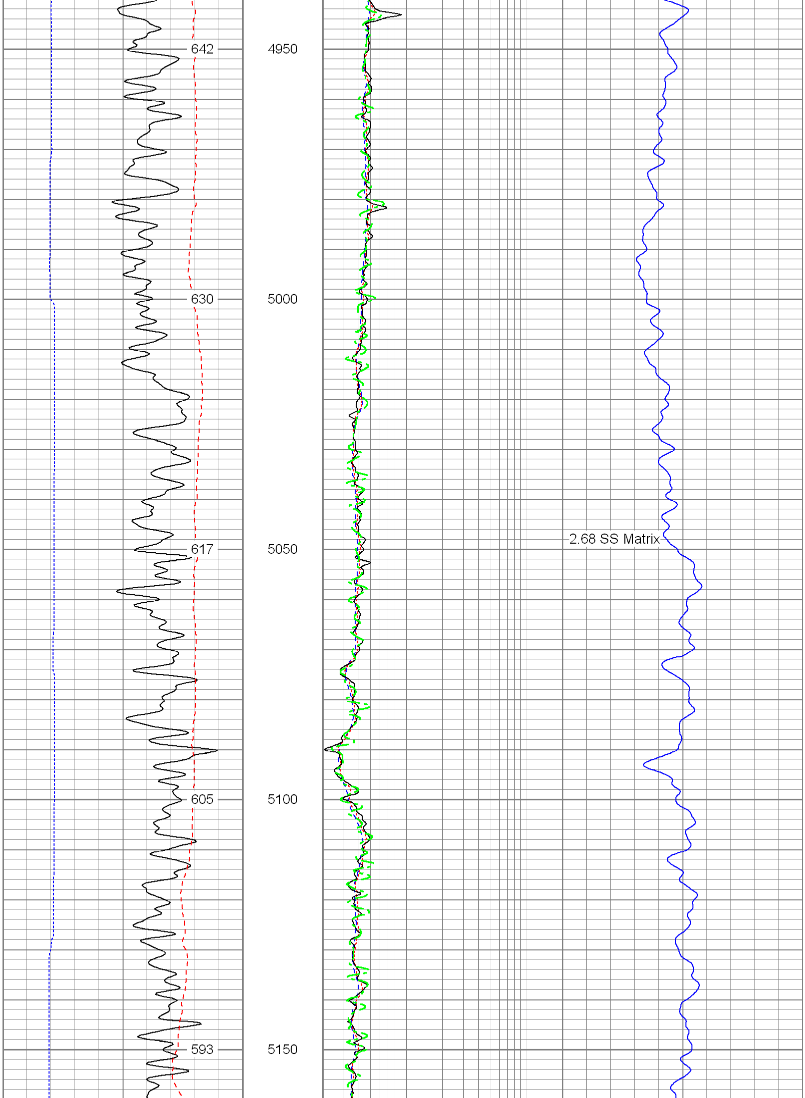
Left	Curve	Right
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
90	SP (mV)	190
	ABHV (ft3)	
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200
2	Rt (Ohm-m)	200
20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

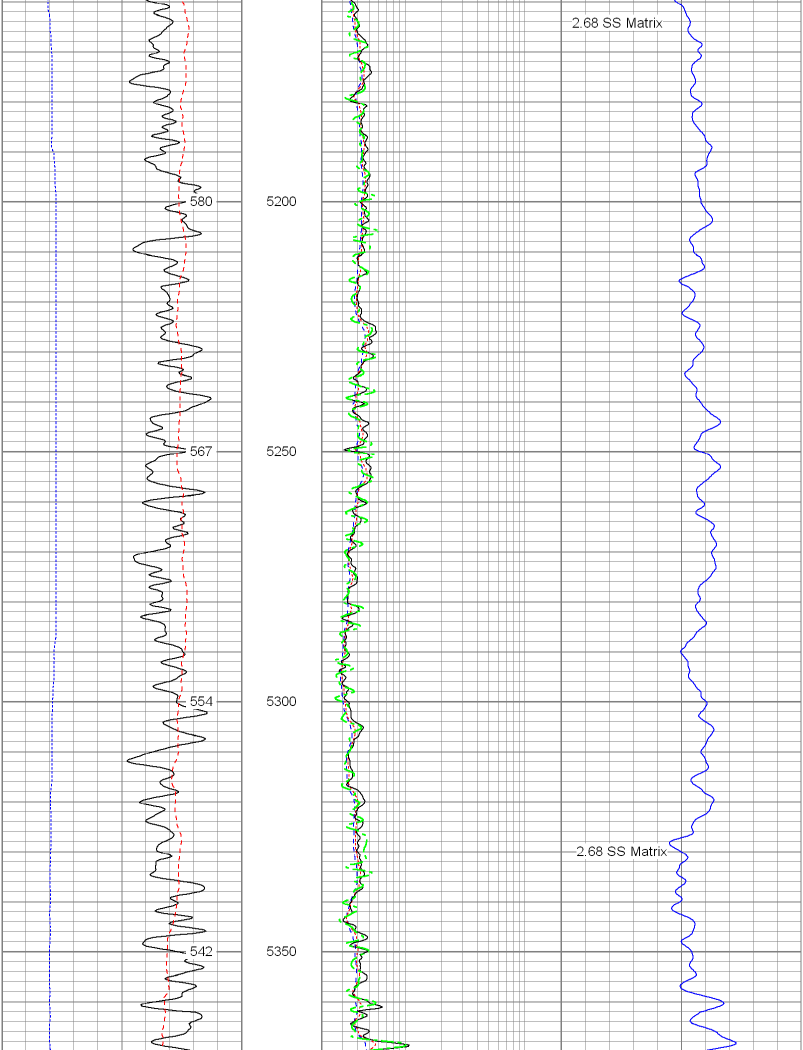


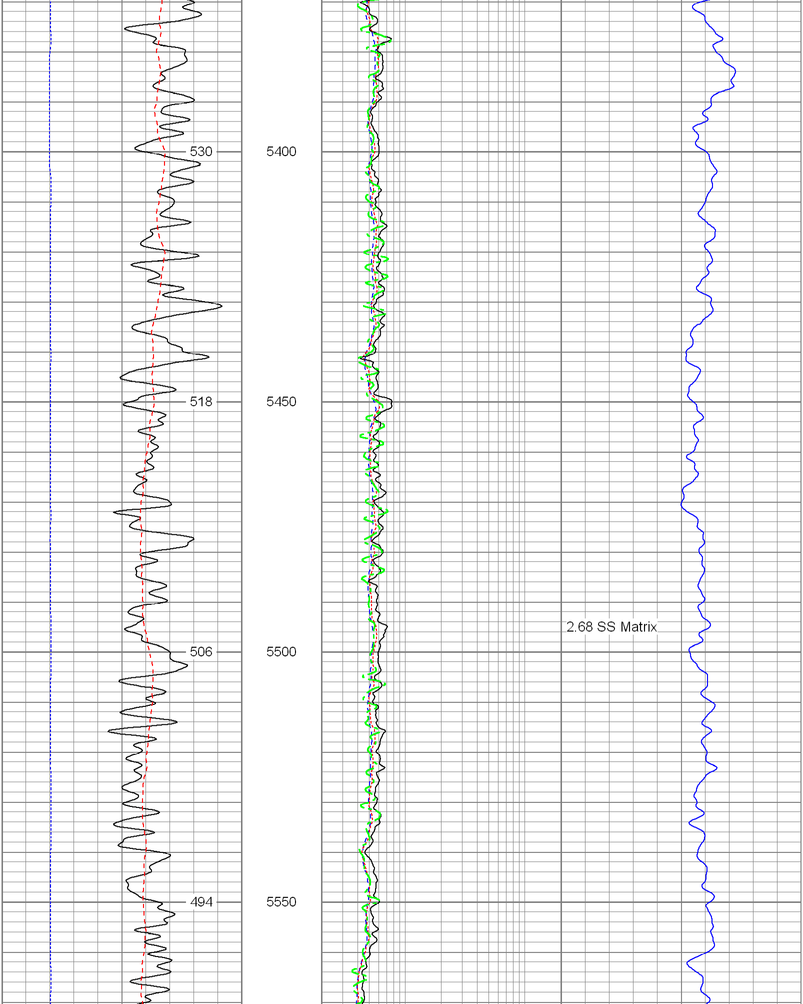


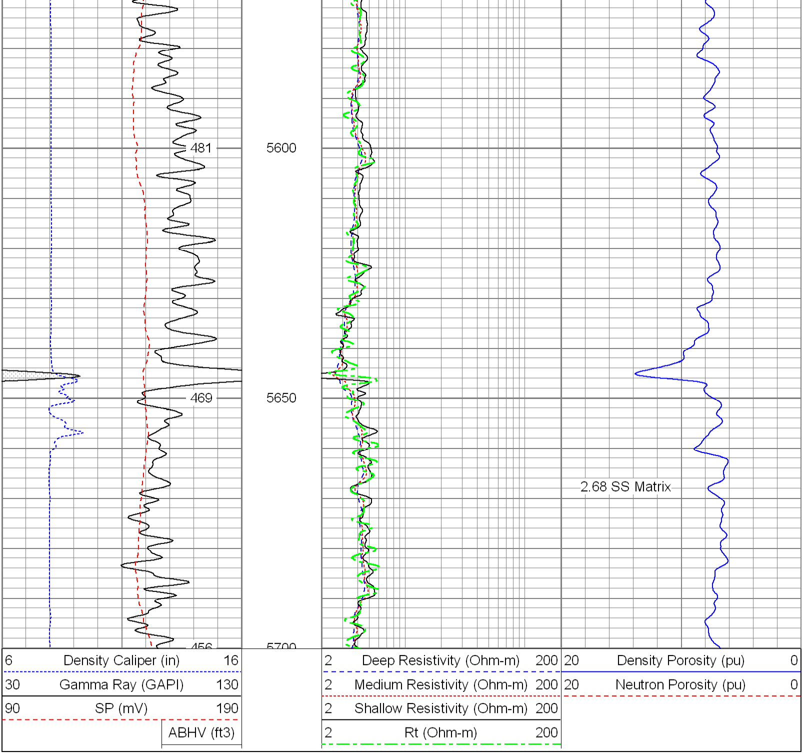












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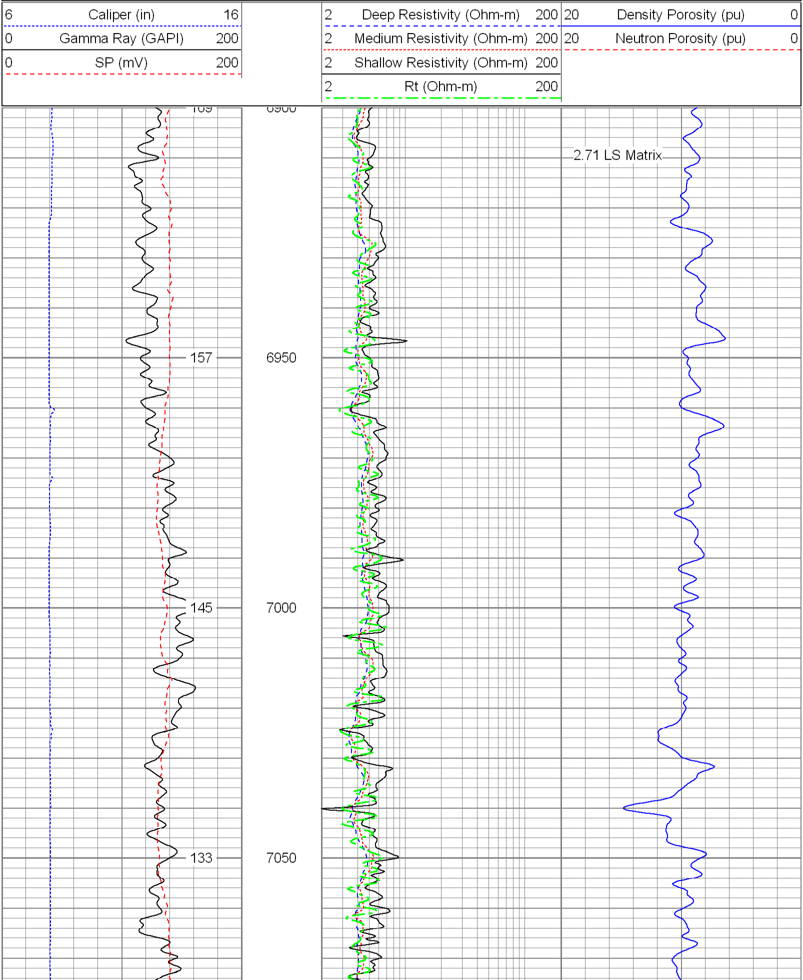

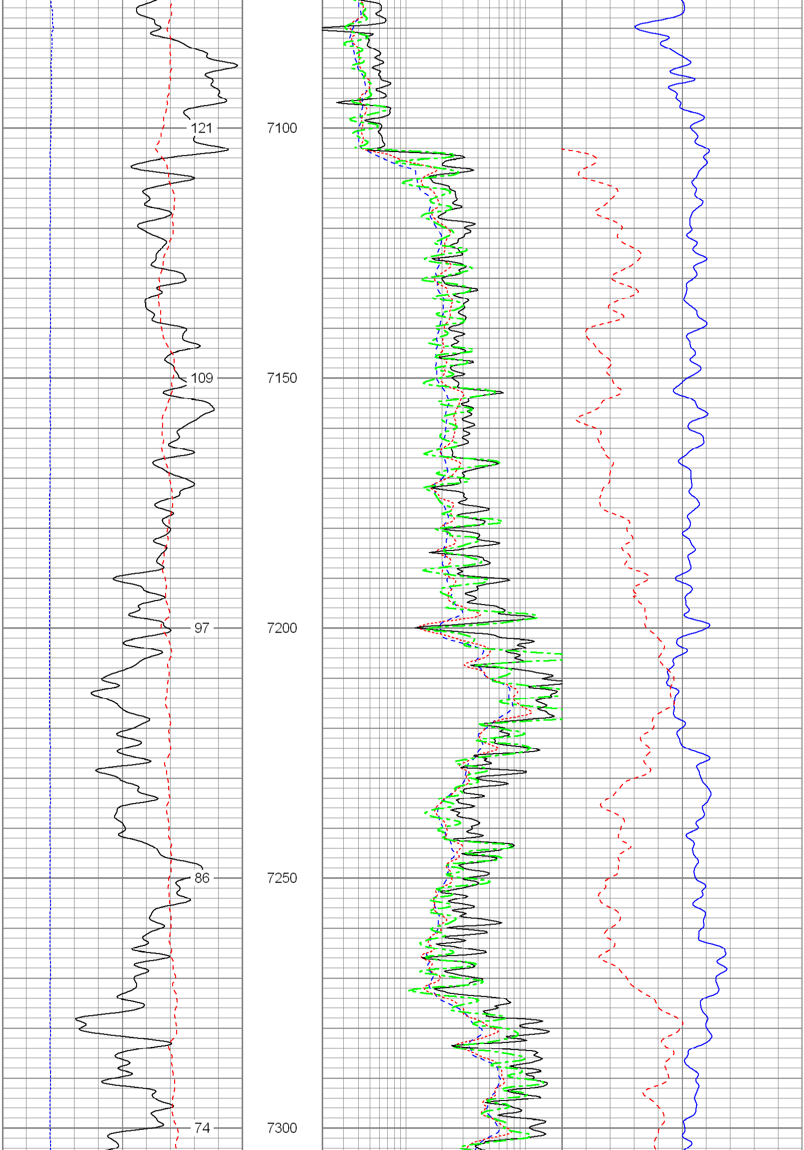

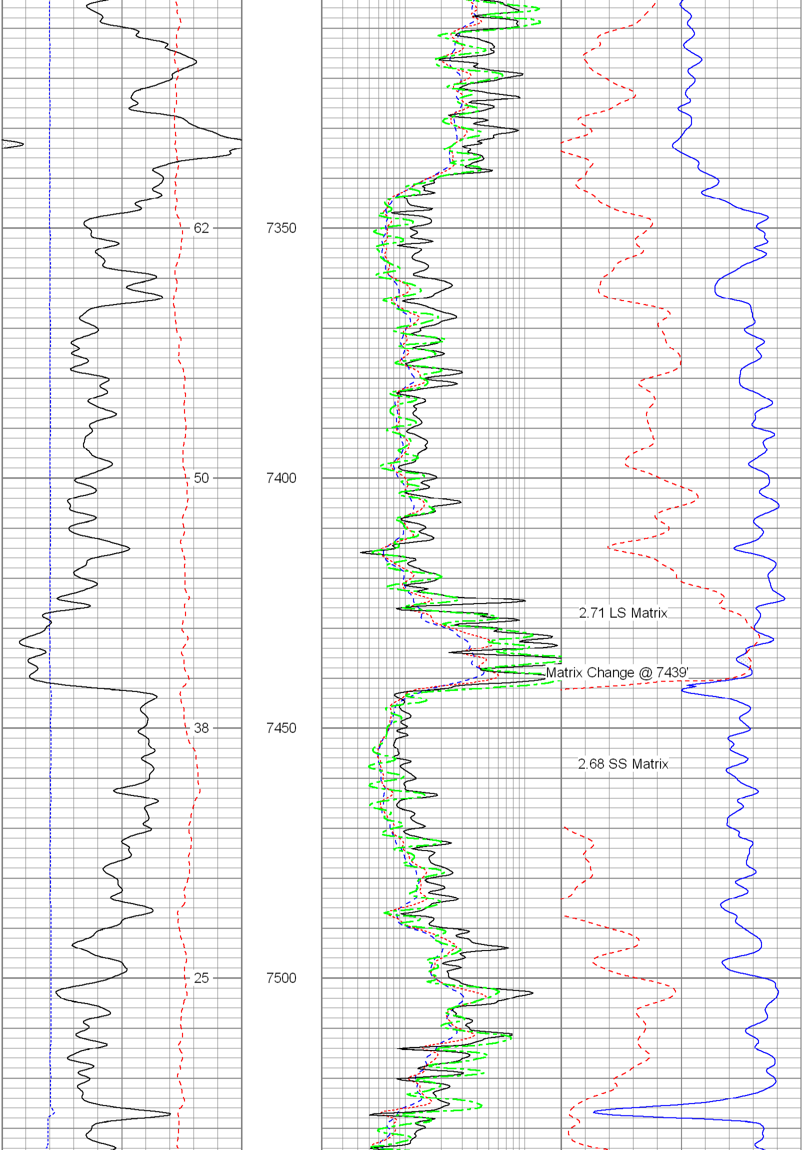

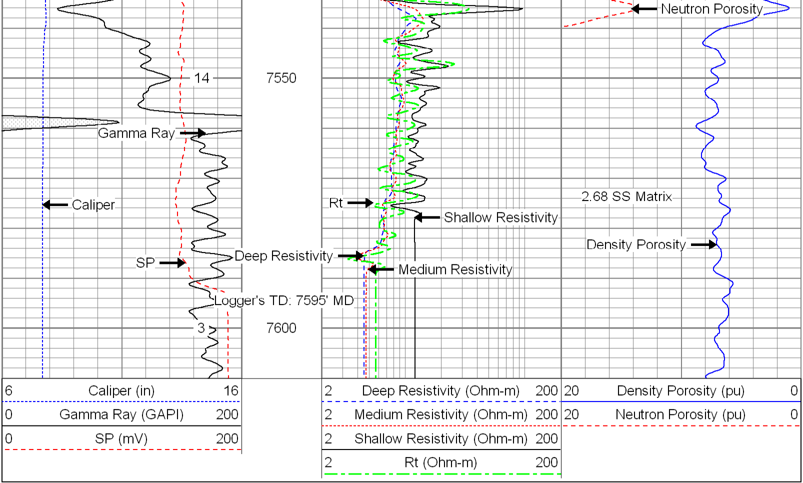

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