PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company Great Western Oil & Gas Company LLC
Well Peterson CX GH 30-41D
Field Wattenberg
County Weld
State Colorado

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Well	Peterson CX GH 30-41D
Field	Wattenberg
County	Weld
State	Colorado

Location: API # : 05123361490000

SHL: 1407' FNL & 2262' FEL SWNE
BHL: 1310' FNL & 4' FEL NENE

SEC 30 TWP 5N RGE 63W

Other Services

None

Permanent Datum	GL	Elevation	4572
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4586
D.F. 4585
G.L. 4572

Date	January 8, 2013		
Run Number	1		
Depth Driller	7322		
Depth Logger	7322		
Bottom Logged Interval	7322		
Top Log Interval	Casing		
Casing Driller	648		
Casing Logger	648		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 65		
pH / Fluid Loss	7.5 / 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.60 @ 65 F		
Rmf @ Meas. Temp	2.50 @ 65 F		
Rmc @ Meas. Temp	4.30 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.15 @ 204 F		
Time Circulation Stopped	0800		
Time Logger on Bottom	1445		
Maximum Recorded Temperature	204 F		
Equipment Number	48		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Armstrong	Scanniello	

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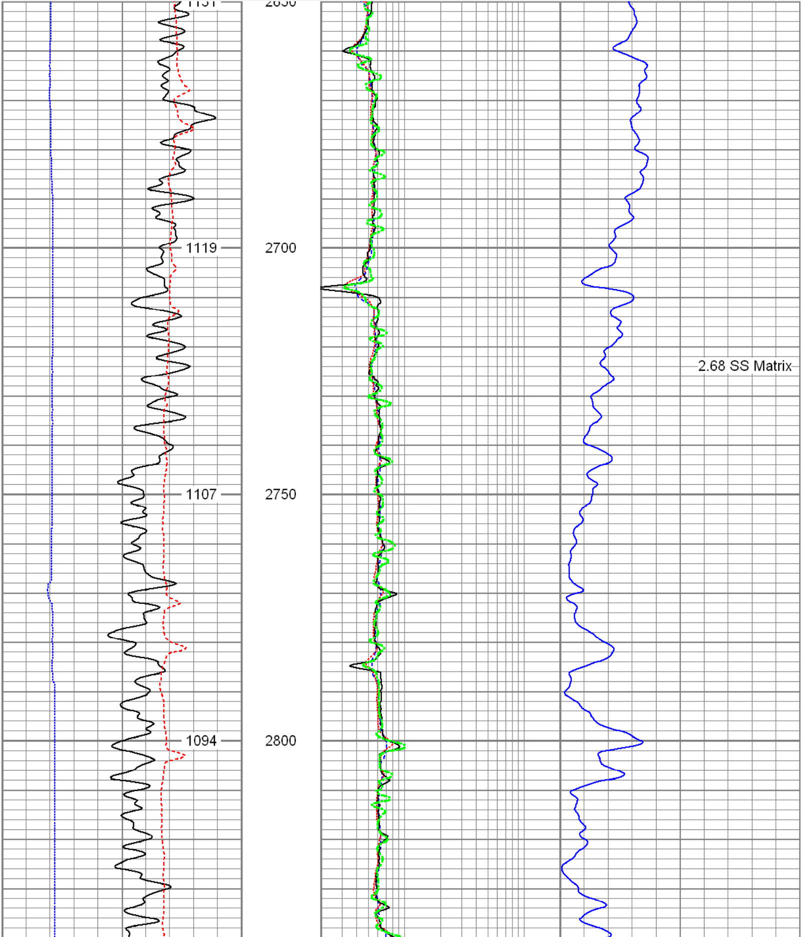
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

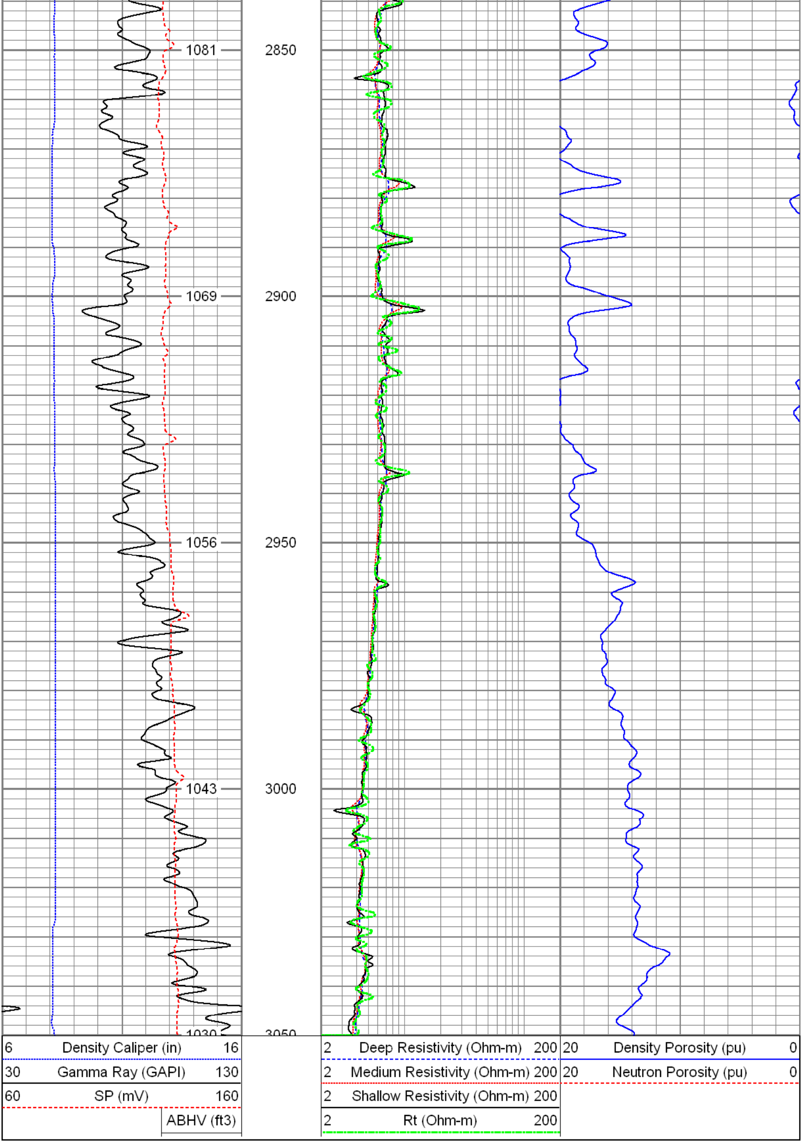
Comments

Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy!
Encountered multiple bridges going downhole.
No repeat pass due to hole conditions.

Database File: 12729.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Tue Jan 08 16:19:08 2013
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
60 SP (mV) 160	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	





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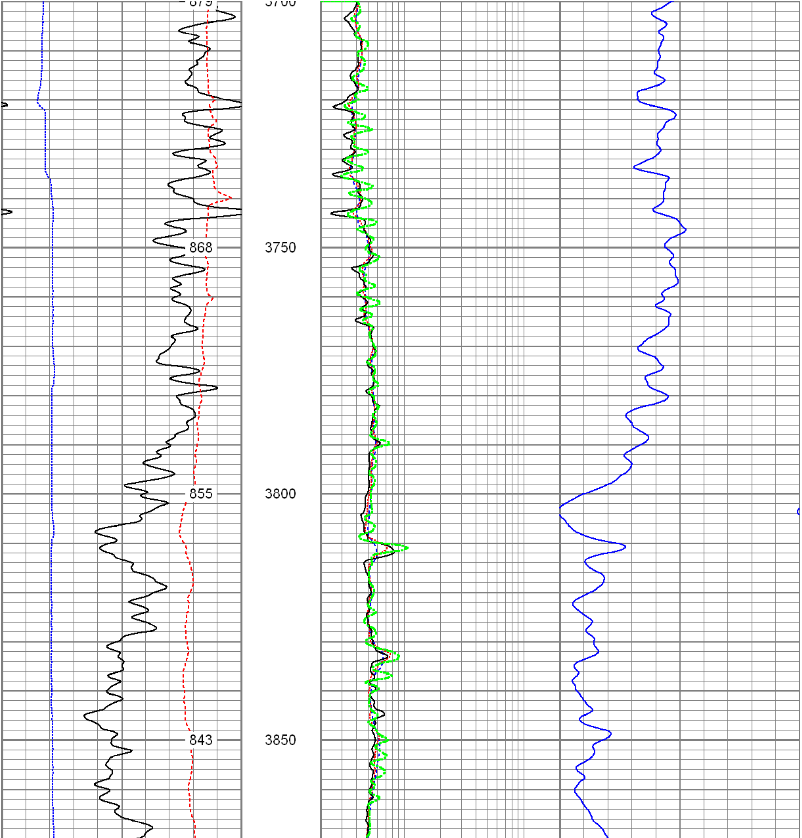
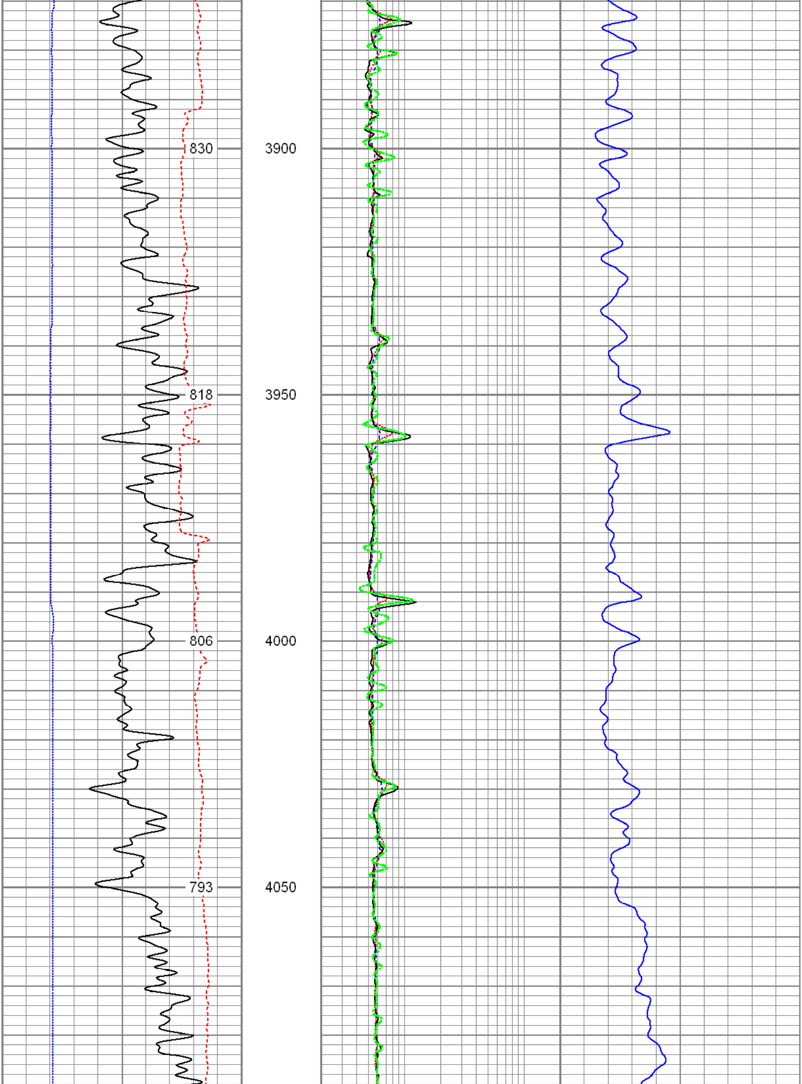
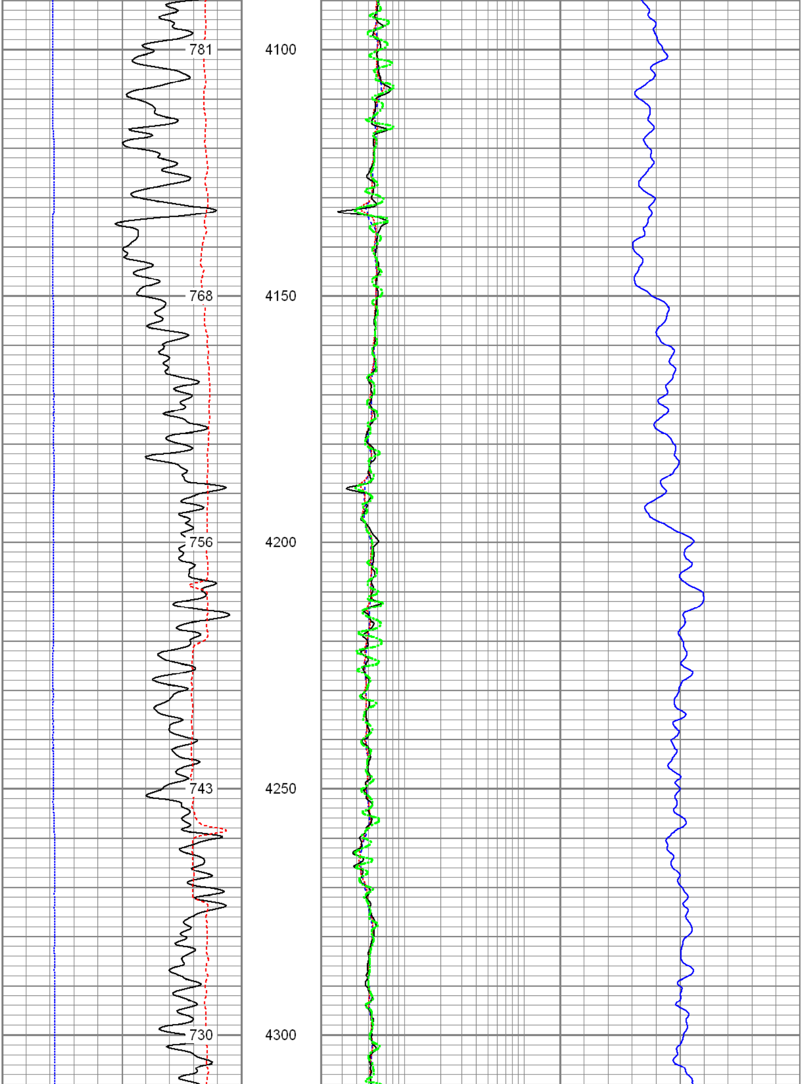
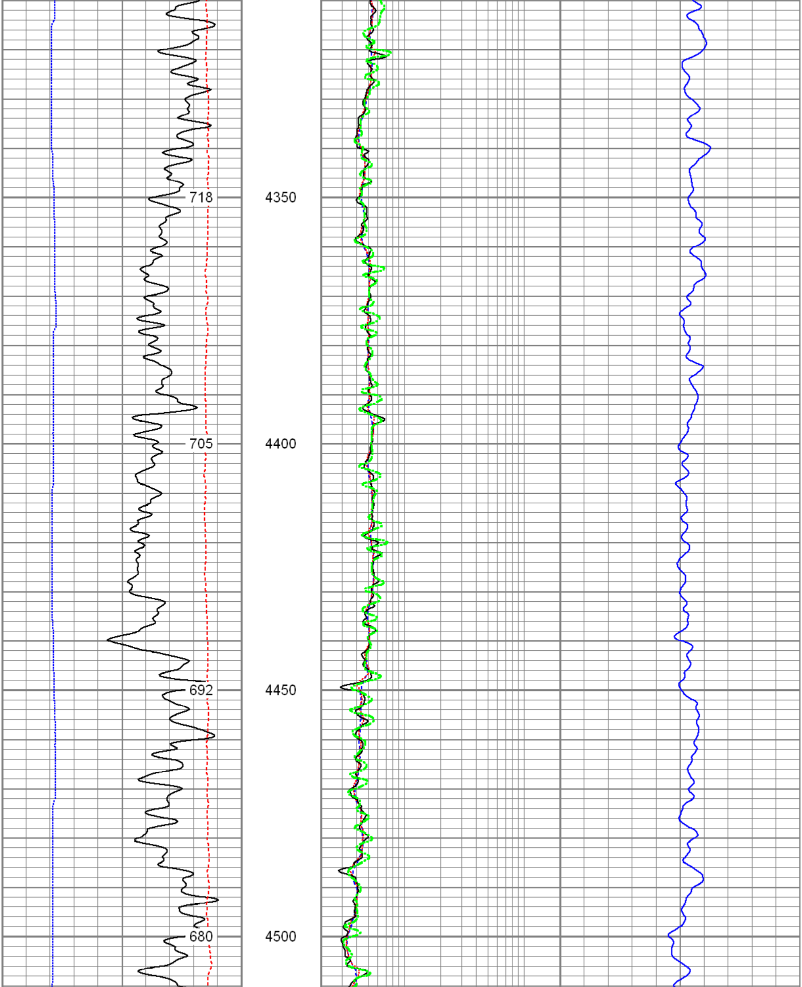
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

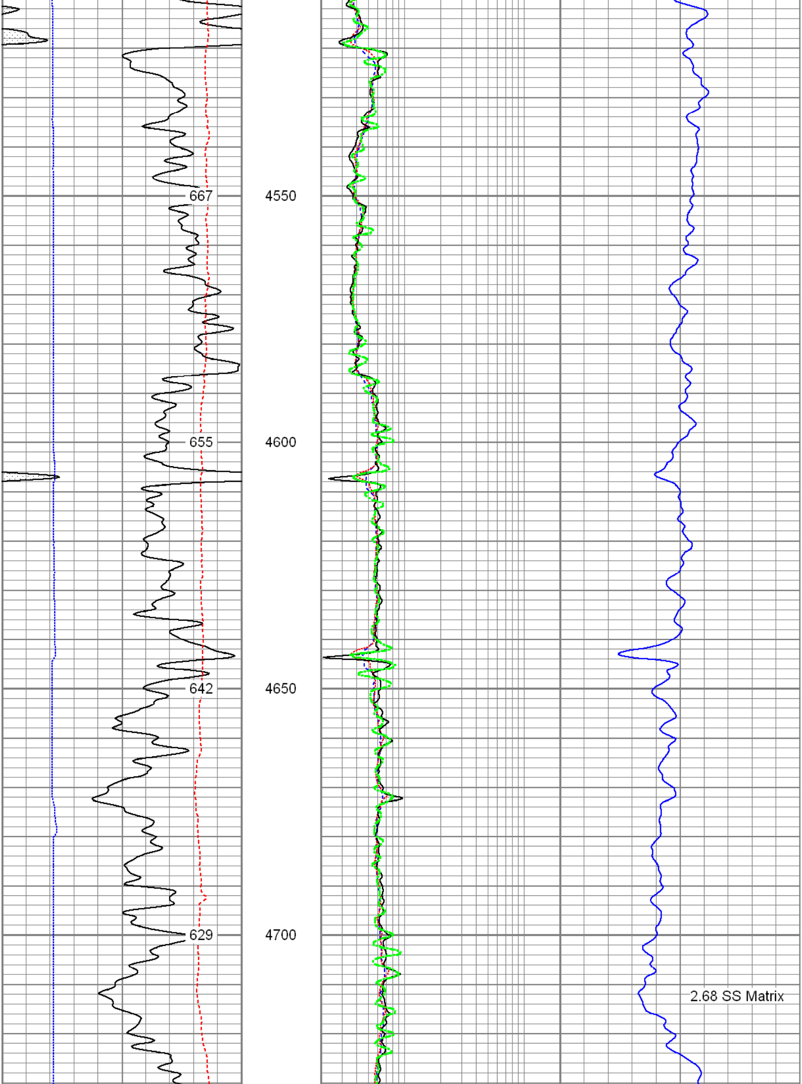
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

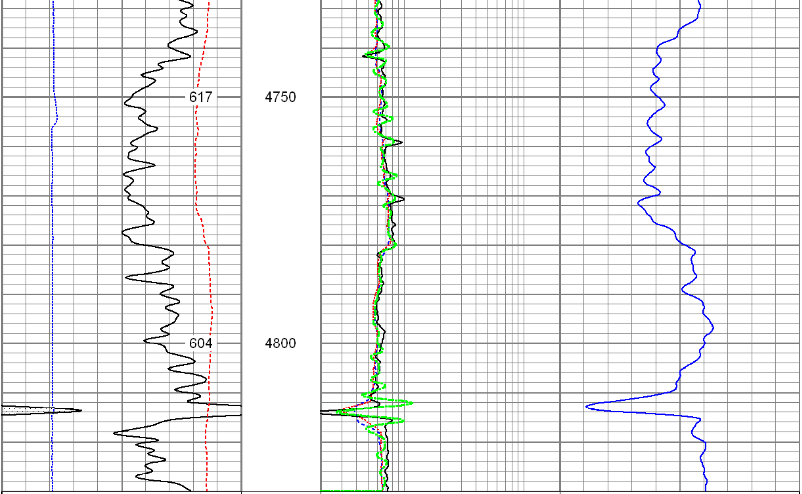












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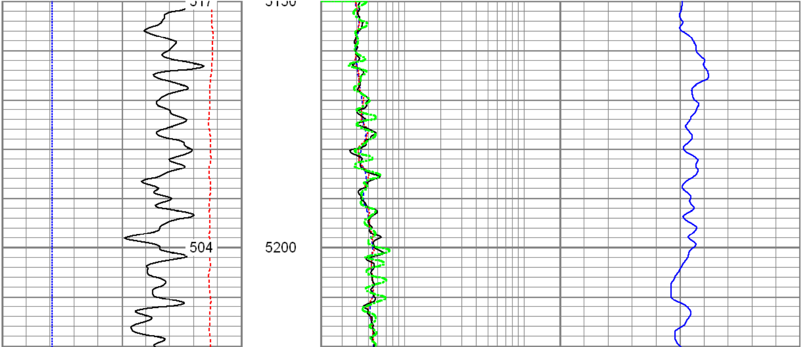

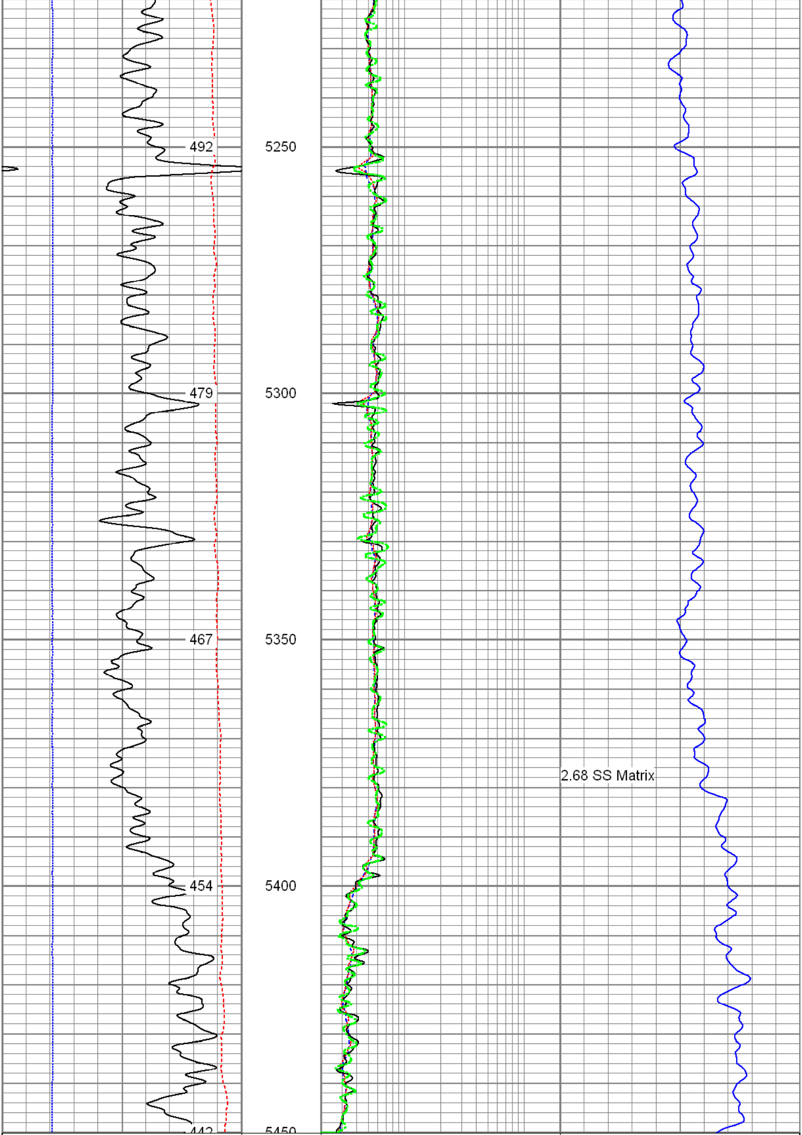

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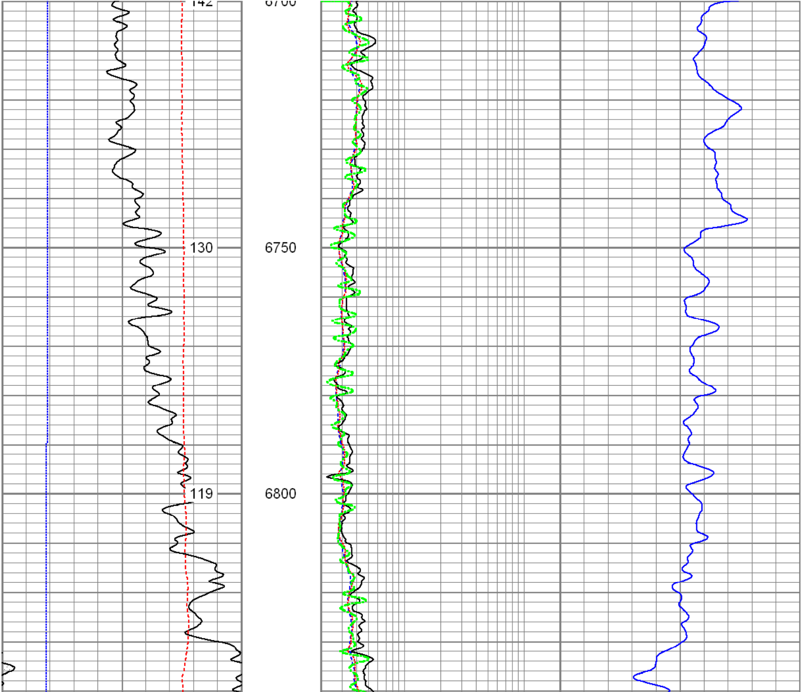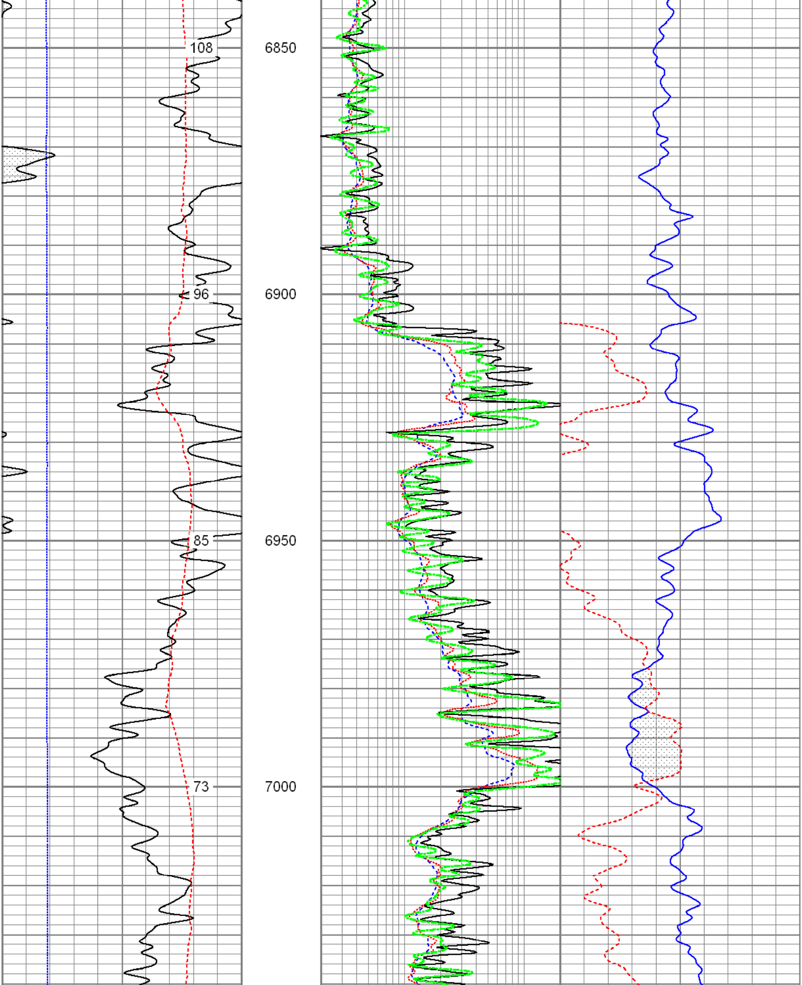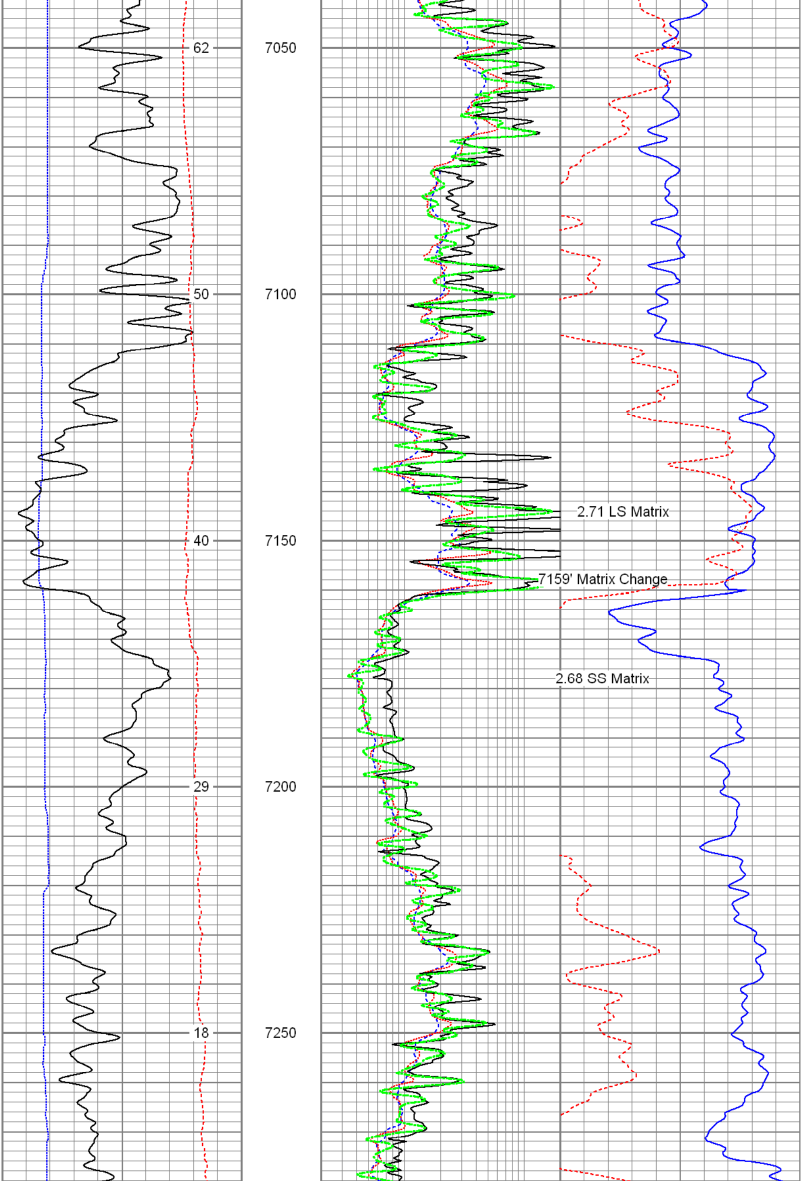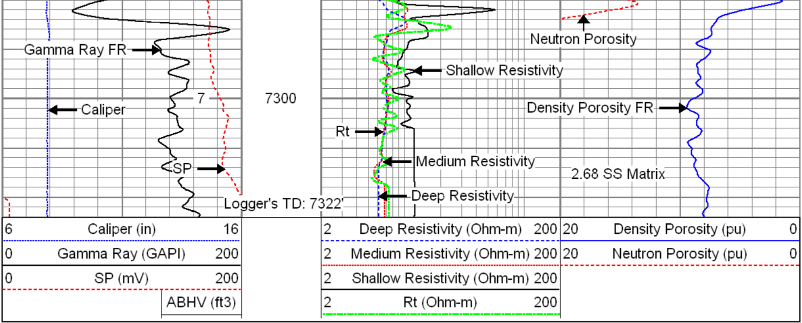6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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