PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company	Great Western Oil & Gas LLC
Well	Peterson CX GH 30-27D
Field	Wattenberg
County	Weld
State	Colorado

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Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123361430000

SHL: 1388' FNL & 2280' FEL SWNE
BHL: 11' FNL & 1330' FEL NWNE

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	December 23, 2012		
Run Number	1		
Depth Driller	7072		
Depth Logger	7097		
Bottom Logged Interval	7097		
Top Log Interval	Casing		
Casing Driller	645		
Casing Logger	645		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 52		
pH / Fluid Loss	8.0 / 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	4.00 @ 60 F		
Rmf @ Meas. Temp	3.10 @ 60 F		
Rmc @ Meas. Temp	4.80 @ 60 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.20 @ 200 F		
Time Circulation Stopped	2130		
Time Logger on Bottom	0415		
Maximum Recorded Temperature	200 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Armstrong	Scribner	

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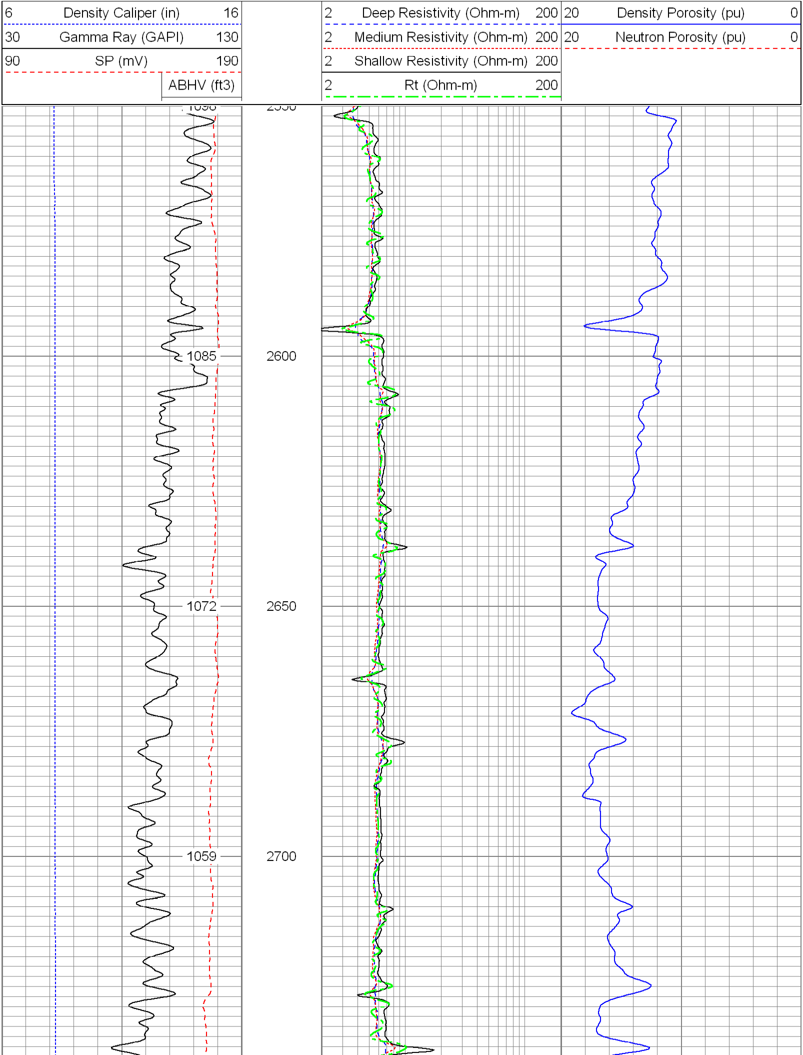
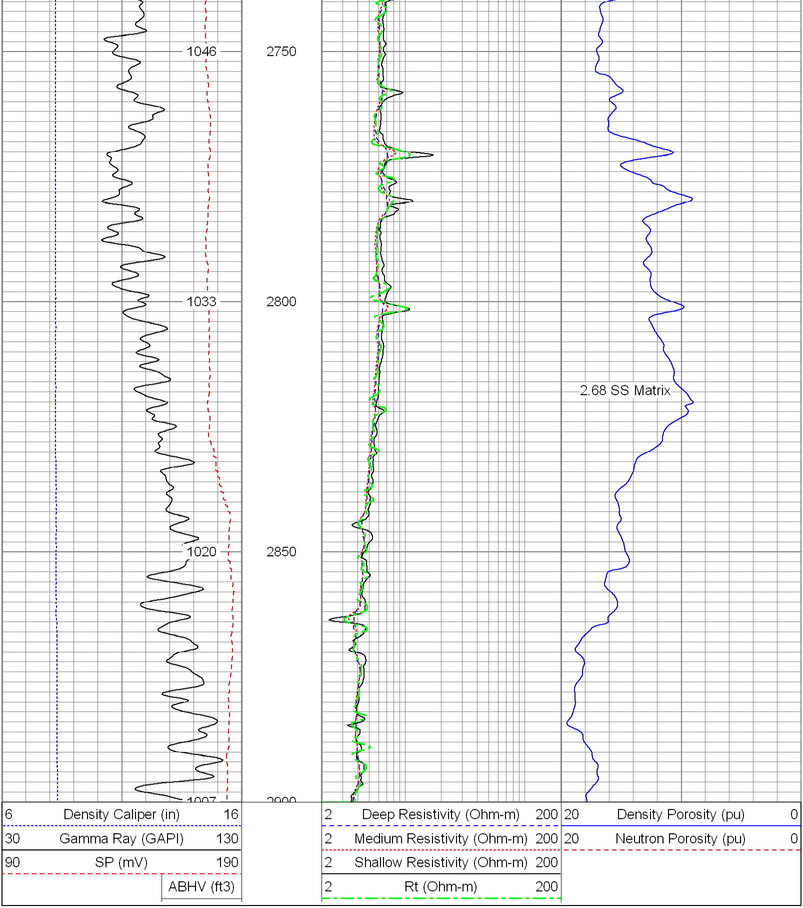
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, 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.
No repeat pass due to hole conditions.

Database File: 13234.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Sun Dec 23 06:13:35 2012
Charted by: Depth in Feet scaled 1:240





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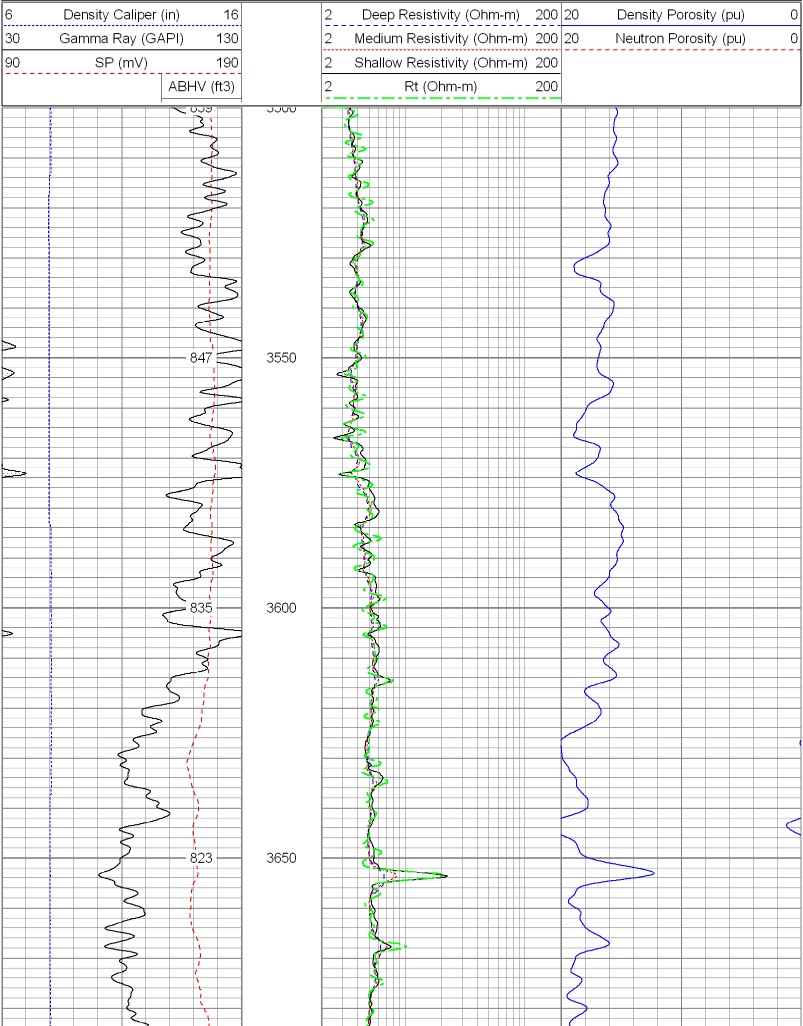
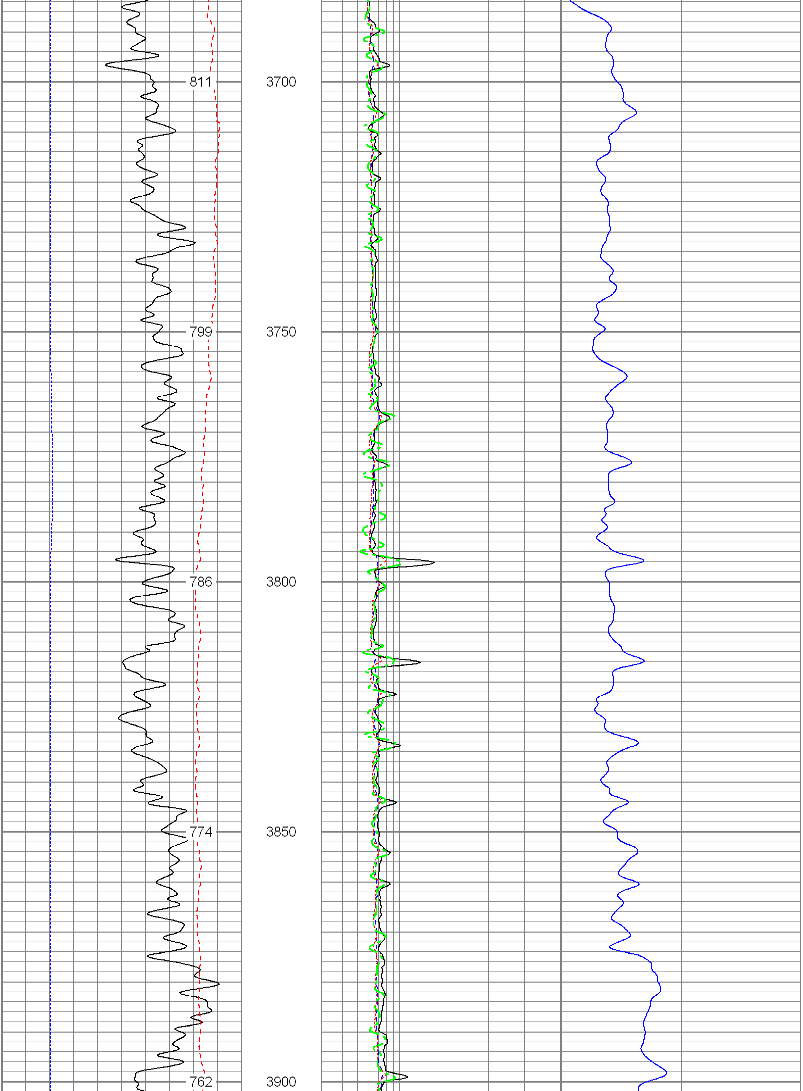
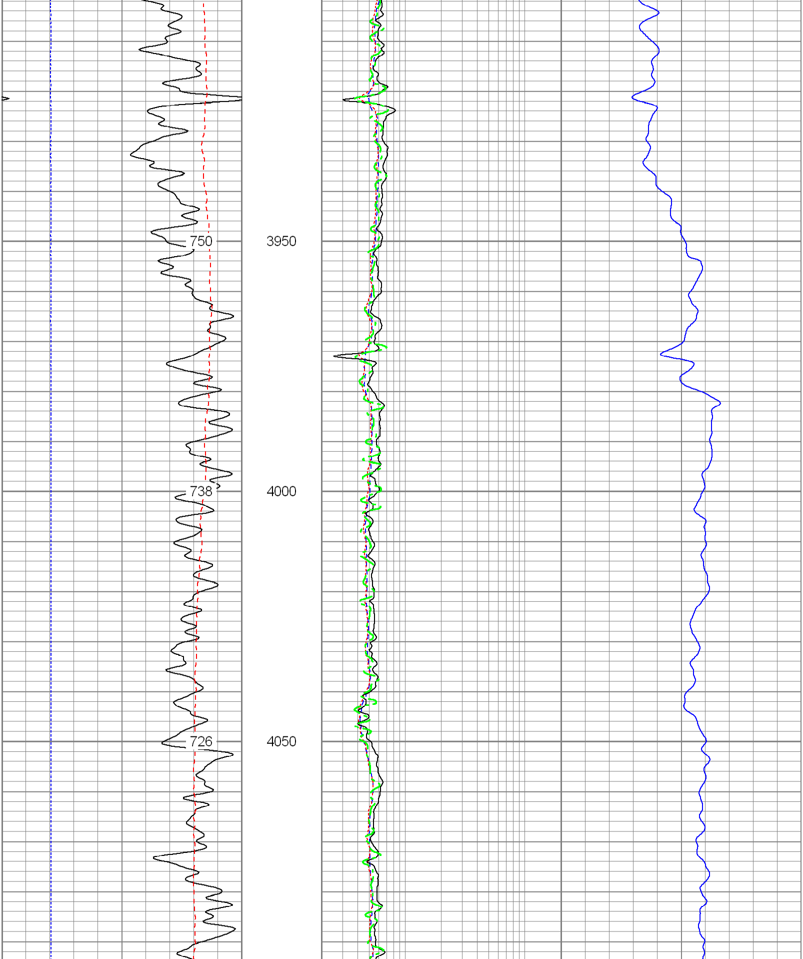
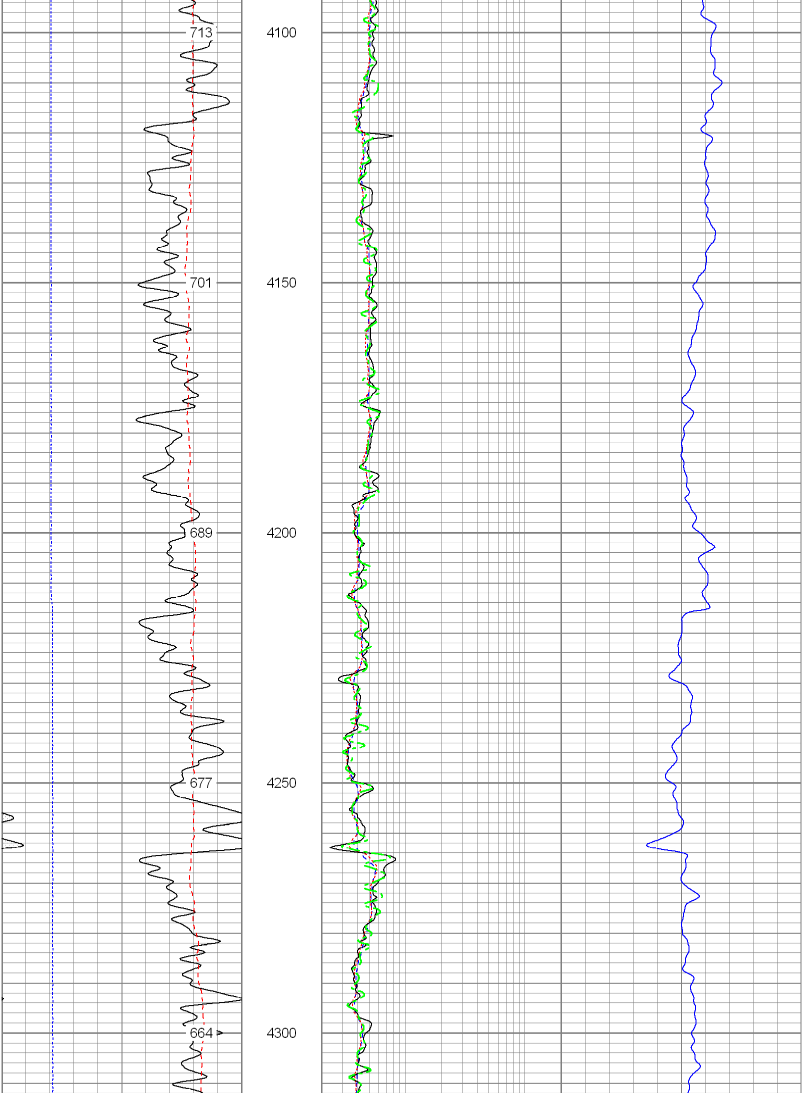
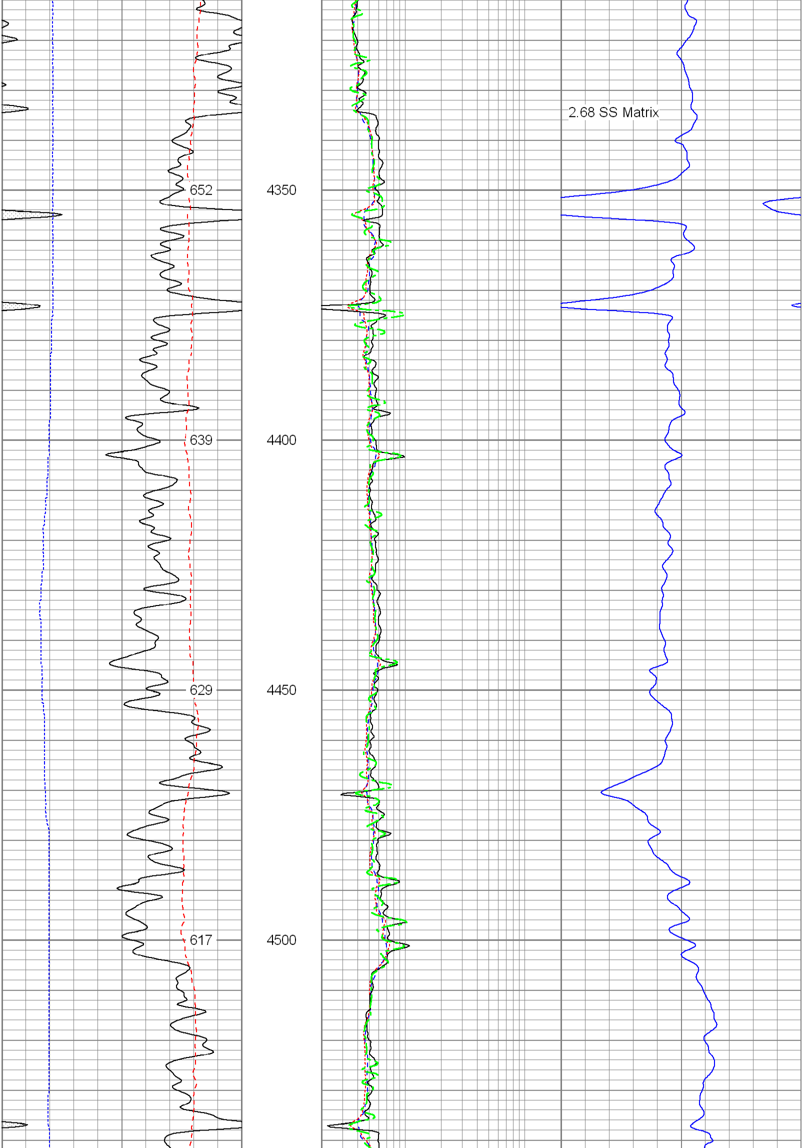
Charted by:	Depth in Feet scaled 1:240

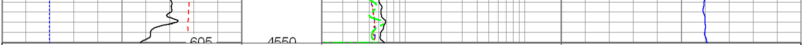












6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
90 SP (mV) 190
ABHV (ft3)

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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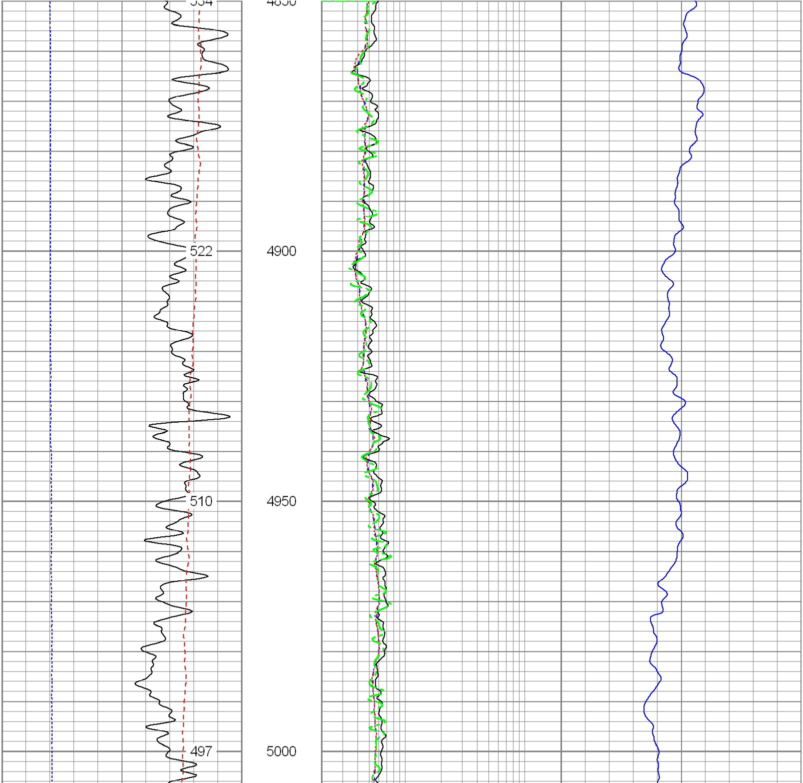

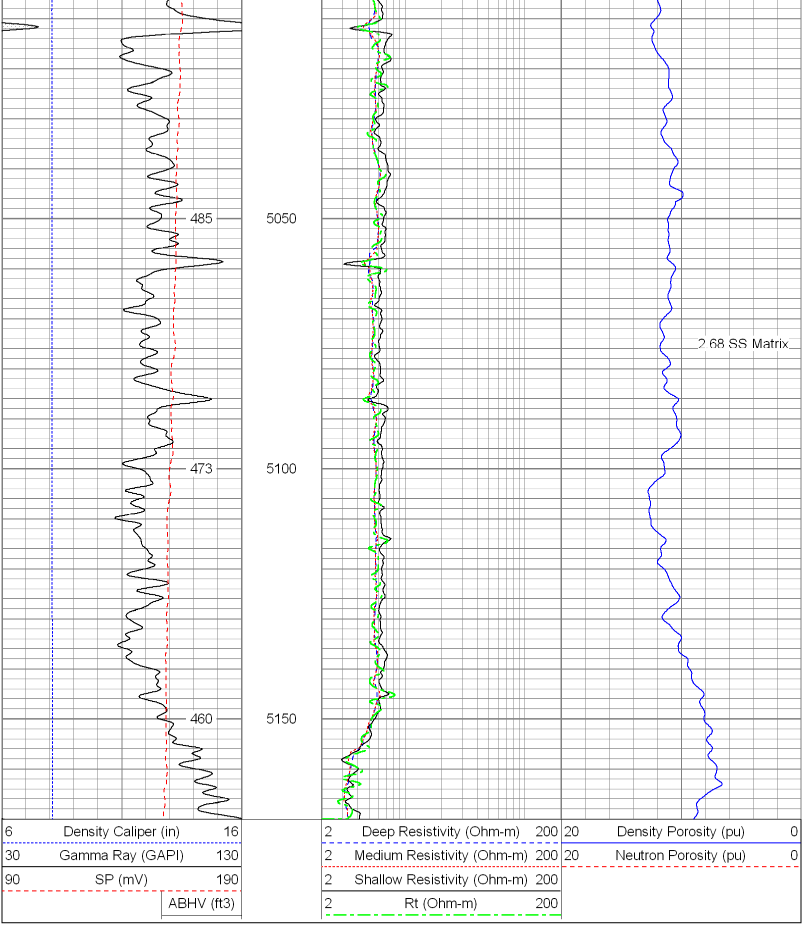

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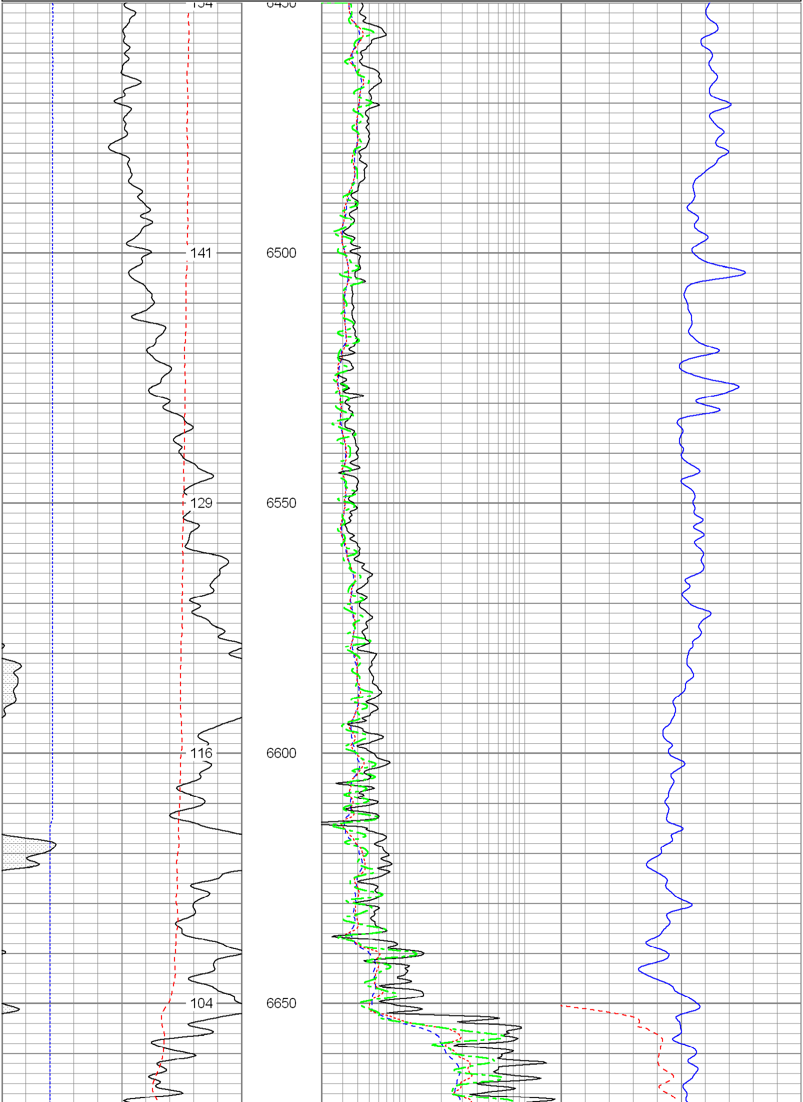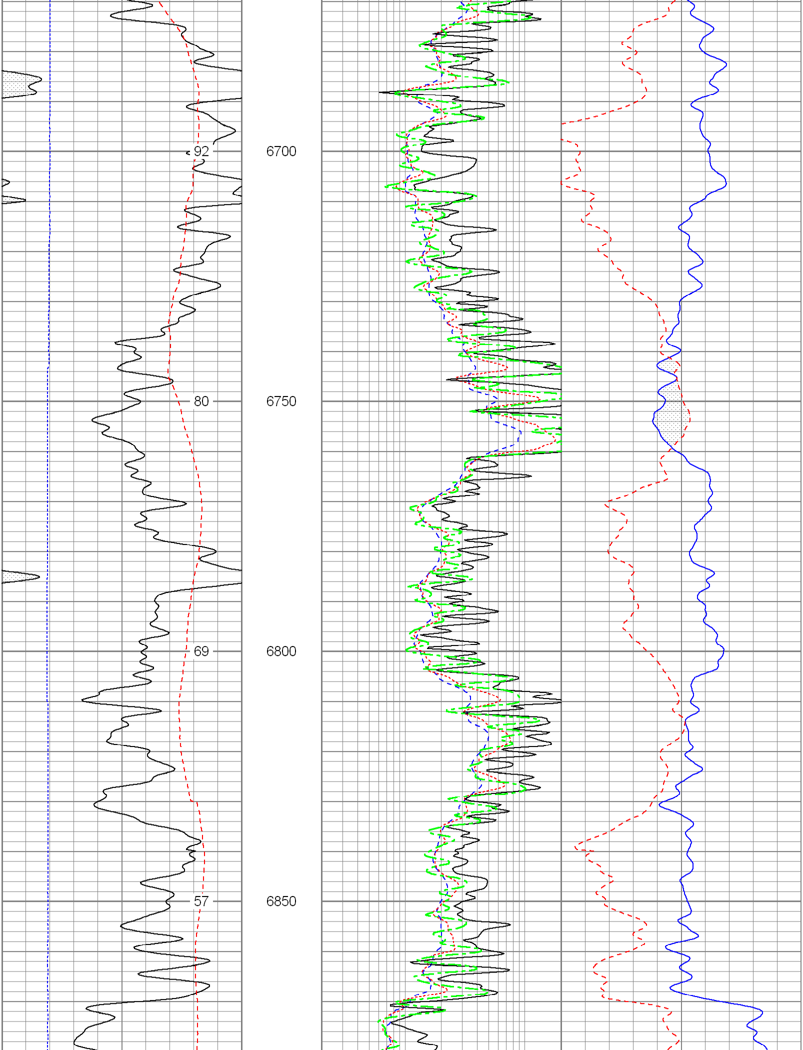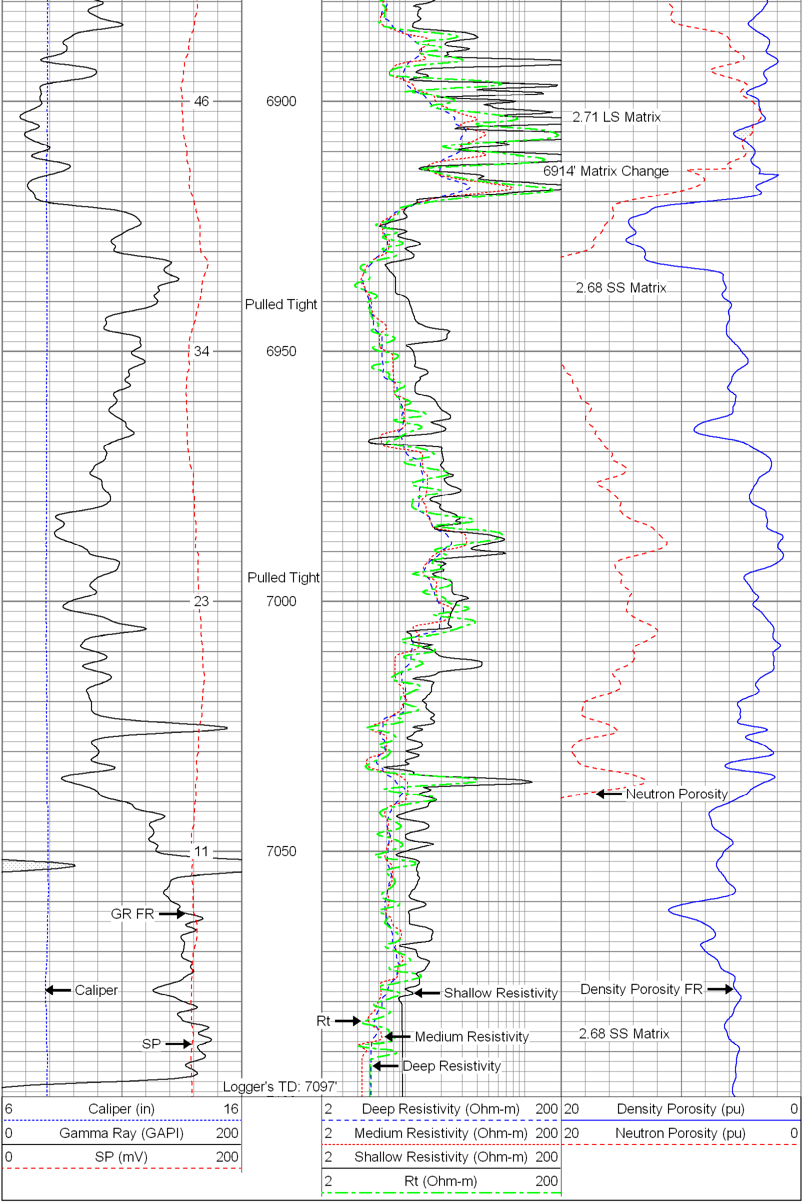6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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