Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company Great Western Oil & Gas LLC
Well GW 25-24-23
Field Wattenberg
County Weld
State Colorado

Company	Great Western Oil & Gas LLC		
Well	GW 25-24-23		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123357030000
SHL: 2357' FSL & 1056' FWL NW SW
BHL: 20' FSL & 2640' FWL SE SW
Sec 25, Twp - 6N, Rge - 67W
SEC TWP RGE

Other Services
none

Permanent Datum	GL	Elevation	4751
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4765
D.F. 4764
G.L. 4751

Date	August 13, 2012		
Run Number	1		
Depth Driller	7918		
Depth Logger	7942		
Bottom Logged Interval	7942		
Top Log Interval	Casing		
Casing Driller	731		
Casing Logger	731		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.1 / 55		
pH / Fluid Loss	8.0 / 11.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.16 @ 74 F		
Rmf @ Meas. Temp	2.53 @ 74 F		
Rmc @ Meas. Temp	3.79 @ 74 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.01 @ 210 F		
Time Circulation Stopped	1030		
Time Logger on Bottom	1645		
Maximum Recorded Temperature	210 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Shawn Armstrong		

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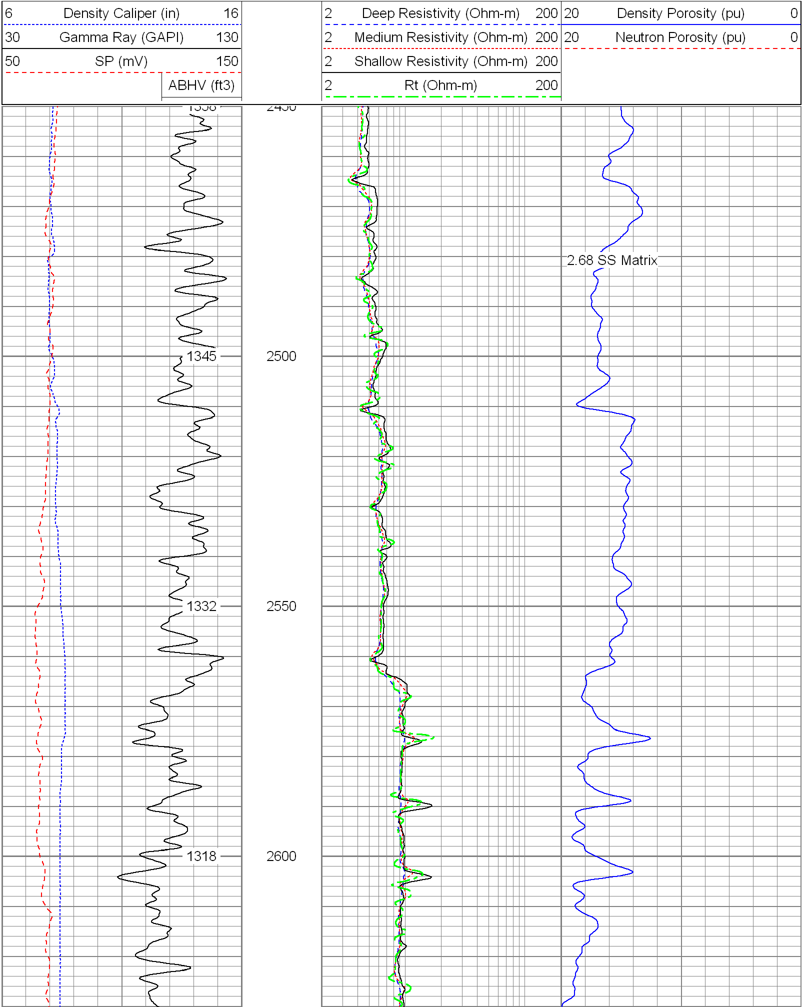
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

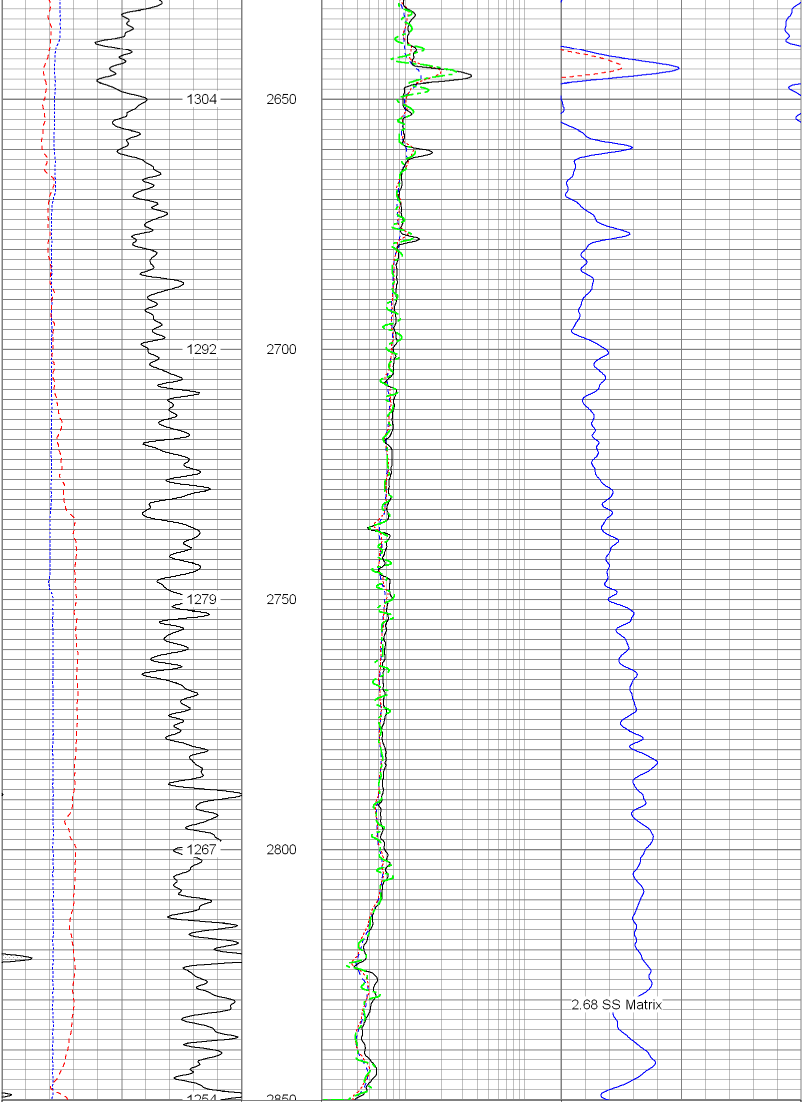
Comments

Annular volume calculated for 4.5" casing
Cade Drilling Rig 25
Thank you for using Phoenix Surveys.
API #: 05-123-35703-00

No repeat due to hole conditions.

Database File: 13086.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Mon Aug 13 17:07:44 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
50 SP (mV) 150	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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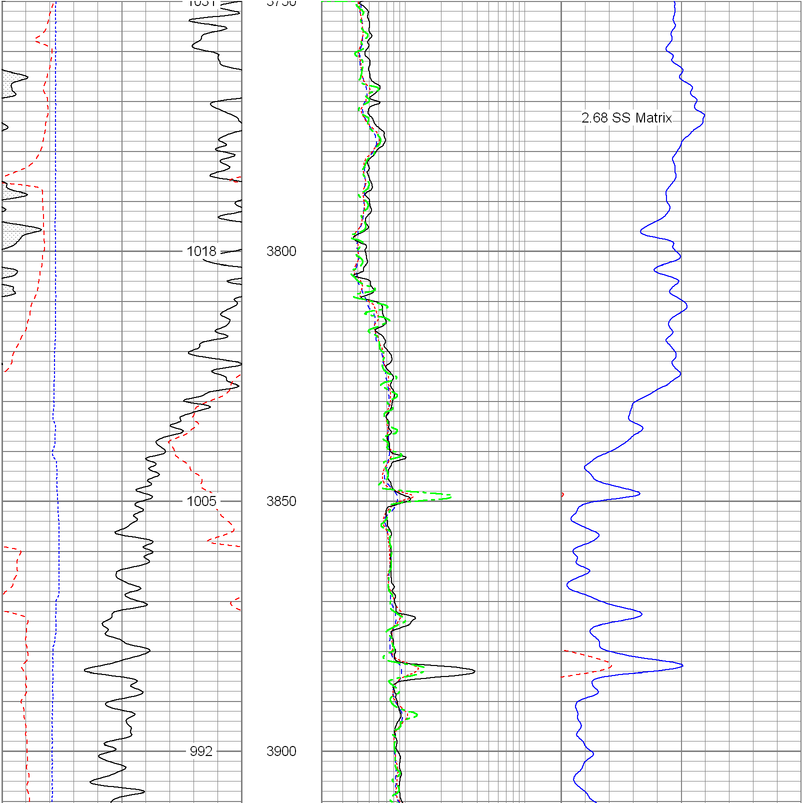

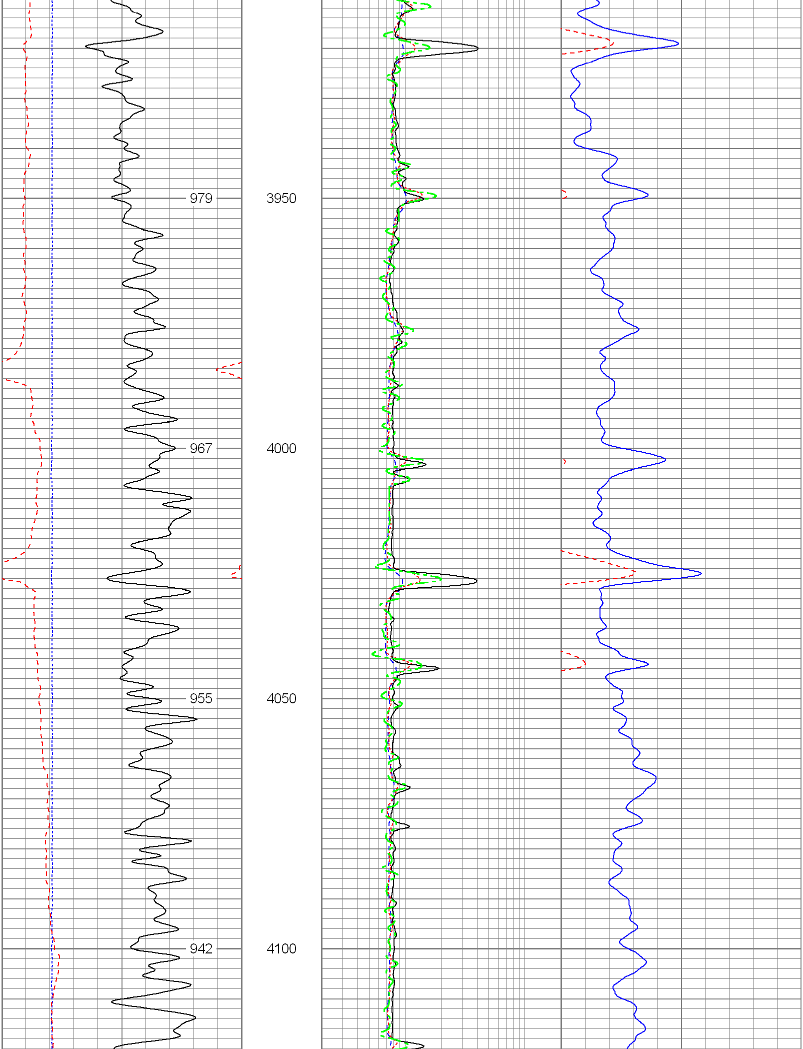

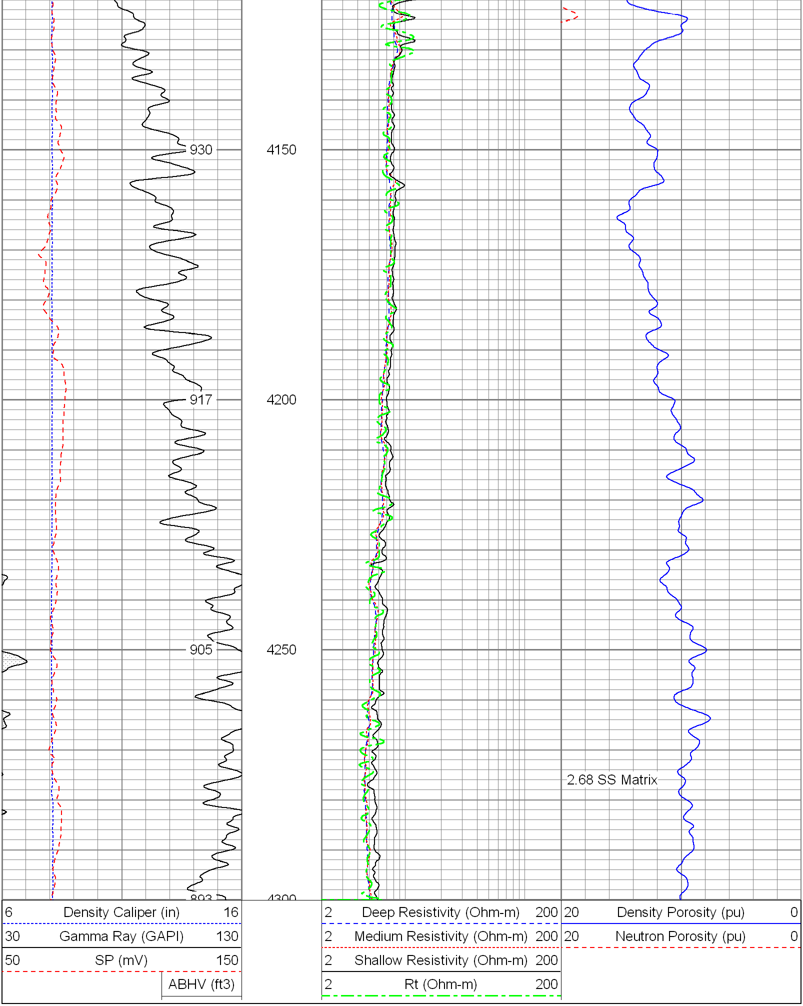

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50	SP (mV)	150
	ABHV (ft3)	

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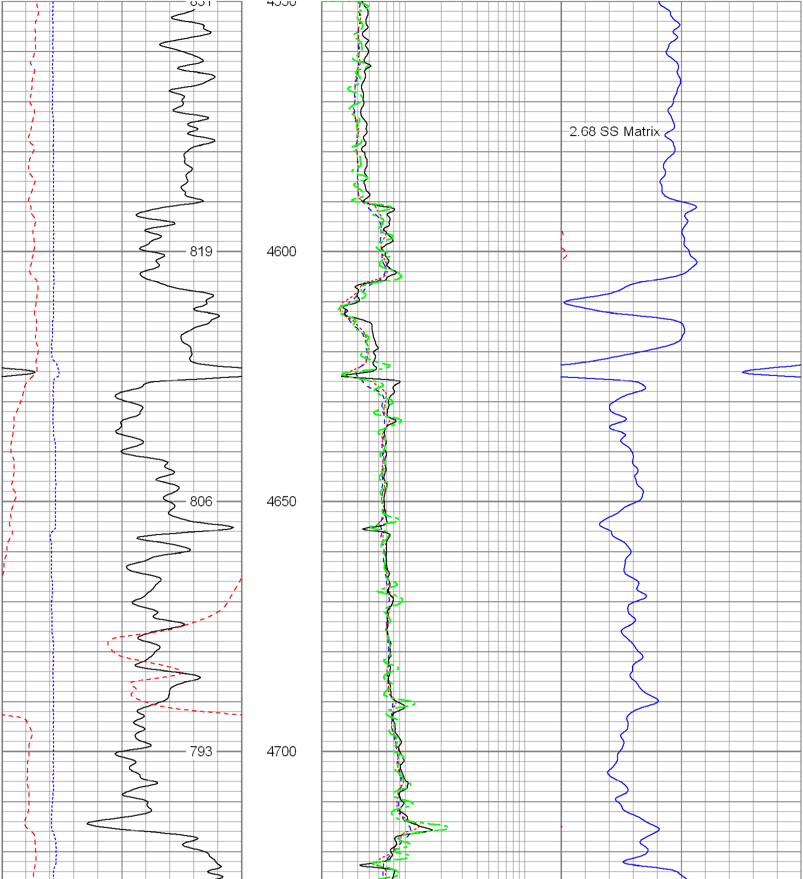
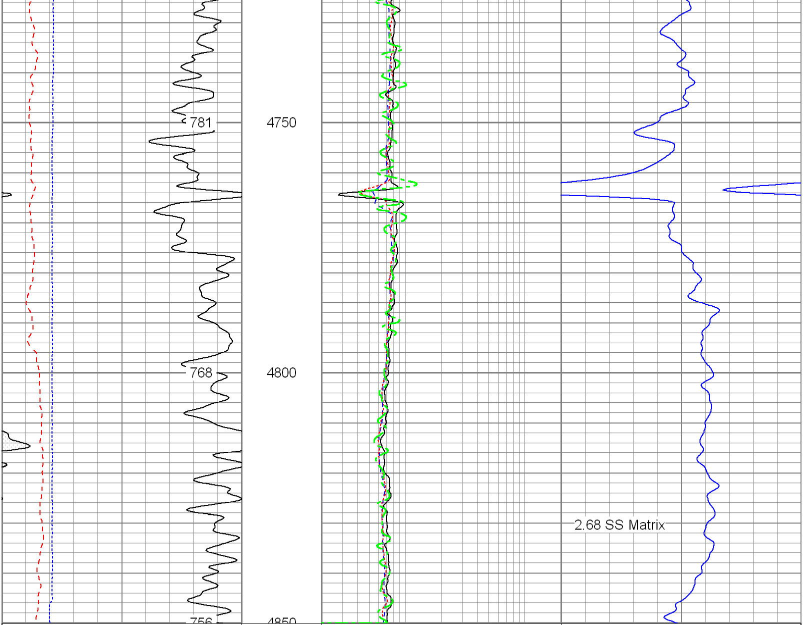
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200
2	Rt (Ohm-m)	200

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





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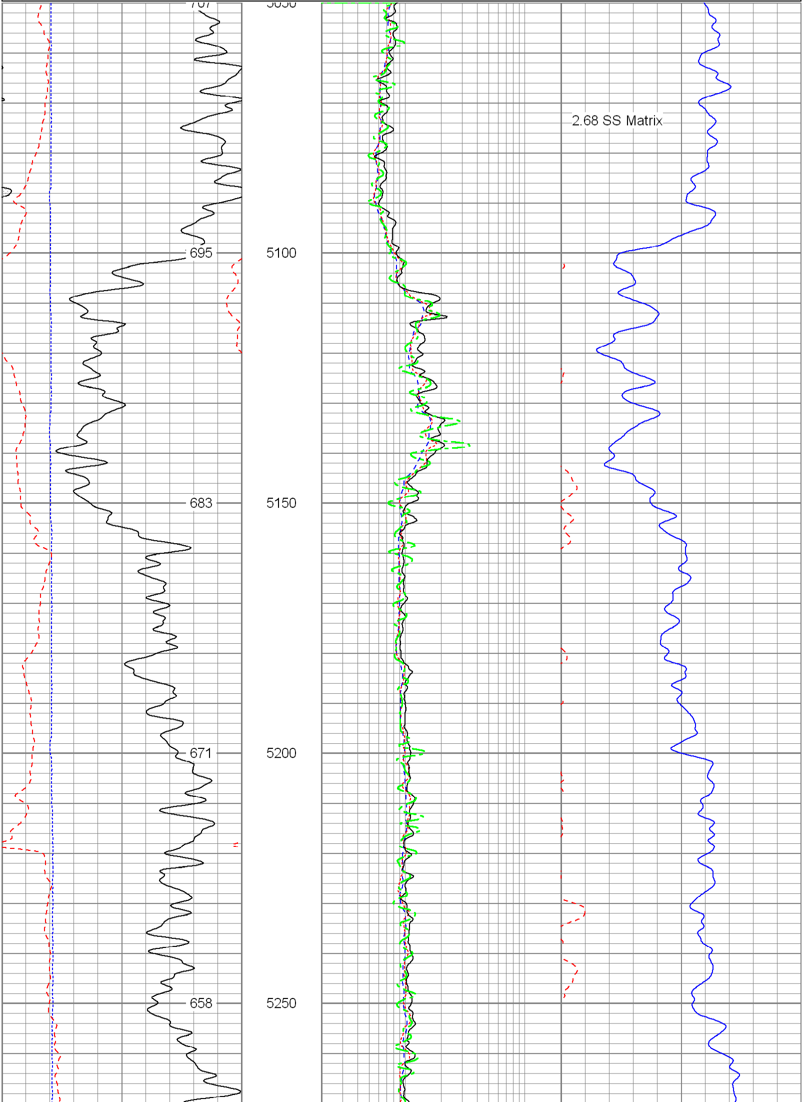

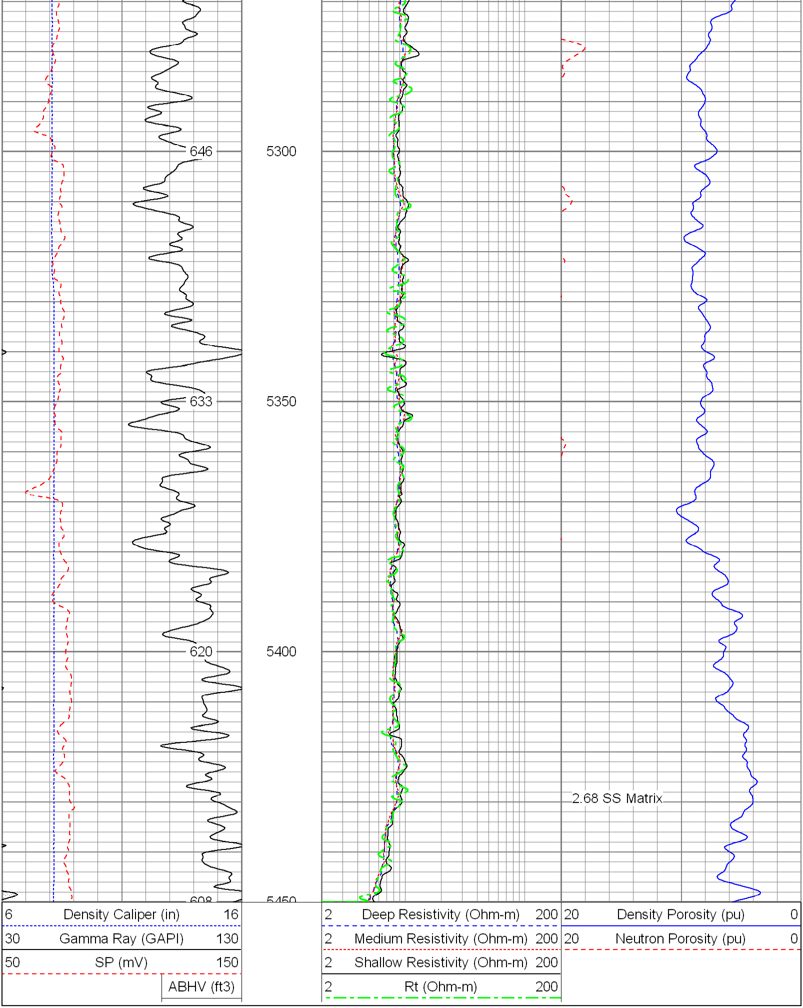

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0 SP (mV) 200

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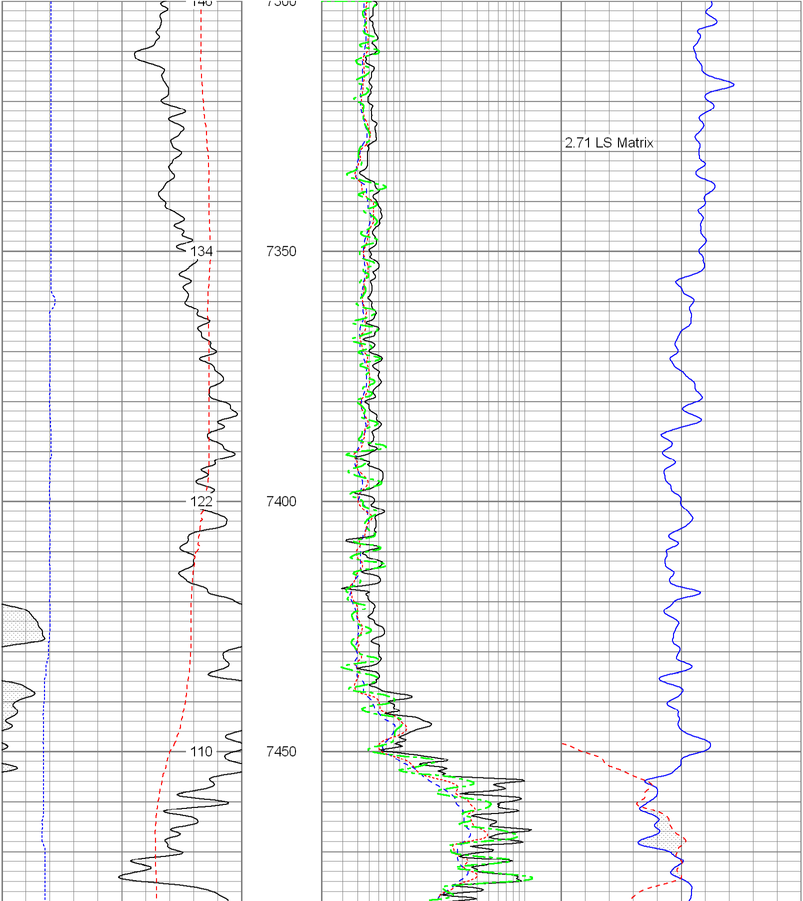
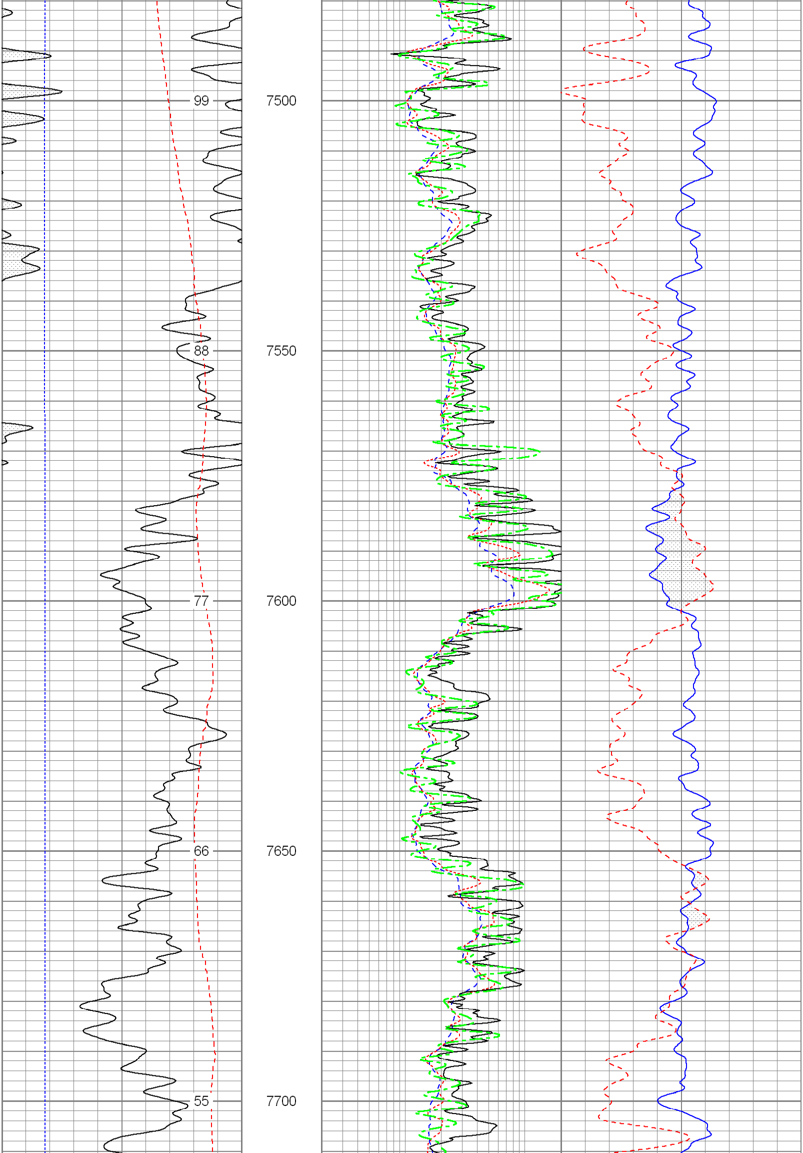
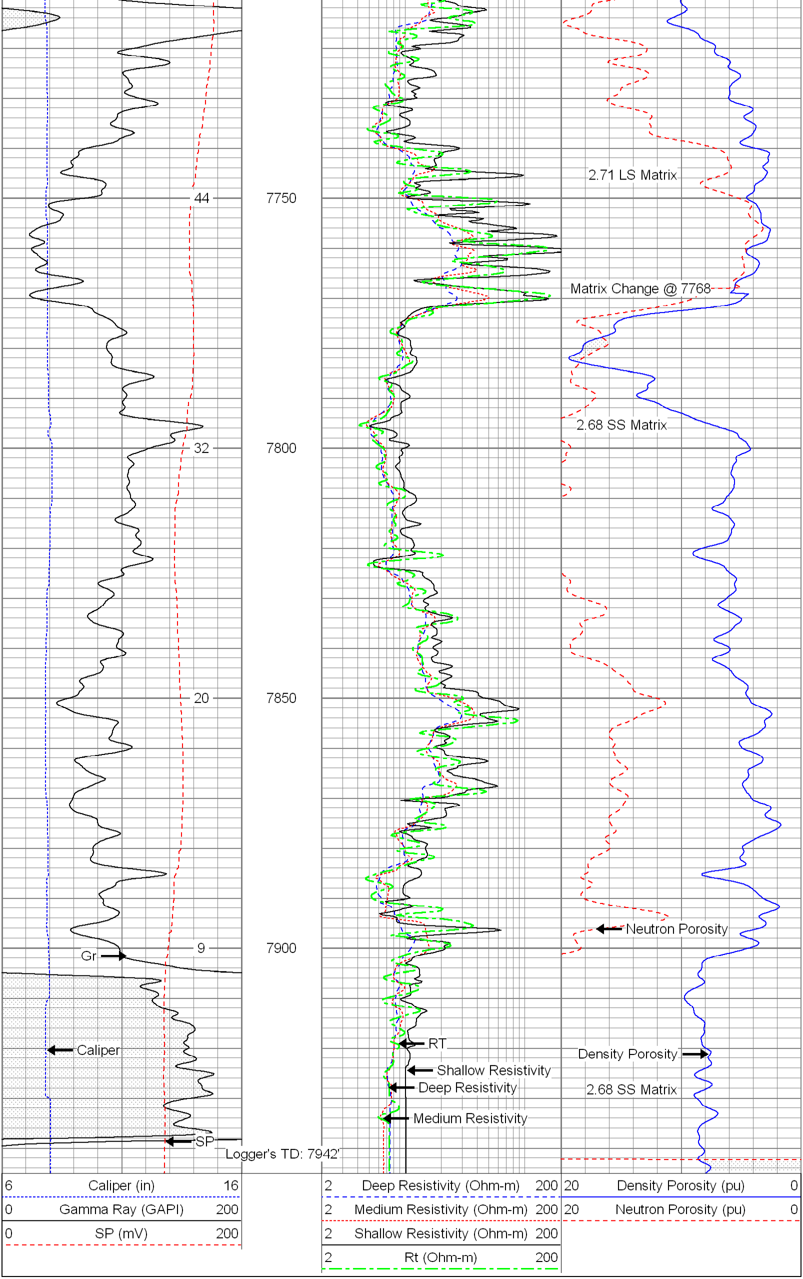
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

20 Density Porosity (pu) 0
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