PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company Bayswater Exploration & Prod. LLC
Well Hirsch 19-24
Field Wattenberg
County Weld
State Colorado

Company	Bayswater Exploration & Prod. LLC		
Well	Hirsch 19-24		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123364140000
SHL: 459' FNL & 254' FEL NENE Sec. 26 Rge. 7N
BHL: 1211' FSL & 1218' FWL SWSW

SEC 24 TWP 7N RGE 67W

Other Services
None

Permanent Datum	GL	Elevation	4853
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4869
D.F. 4868
G.L. 4953

Date	March 10, 2013		
Run Number	1		
Depth Driller	7922		
Depth Logger	7932		
Bottom Logged Interval	7932		
Top Log Interval	Casing		
Casing Driller	754		
Casing Logger	754		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 42		
pH / Fluid Loss	8.0 / 10.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.21 @ 65 F		
Rmf @ Meas. Temp	2.67 @ 65 F		
Rmc @ Meas. Temp	3.85 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.99 @ 210 F		
Time Circulation Stopped	0545		
Time Logger on Bottom	1345		
Maximum Recorded Temperature	210 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Craig W.	Robert	

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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

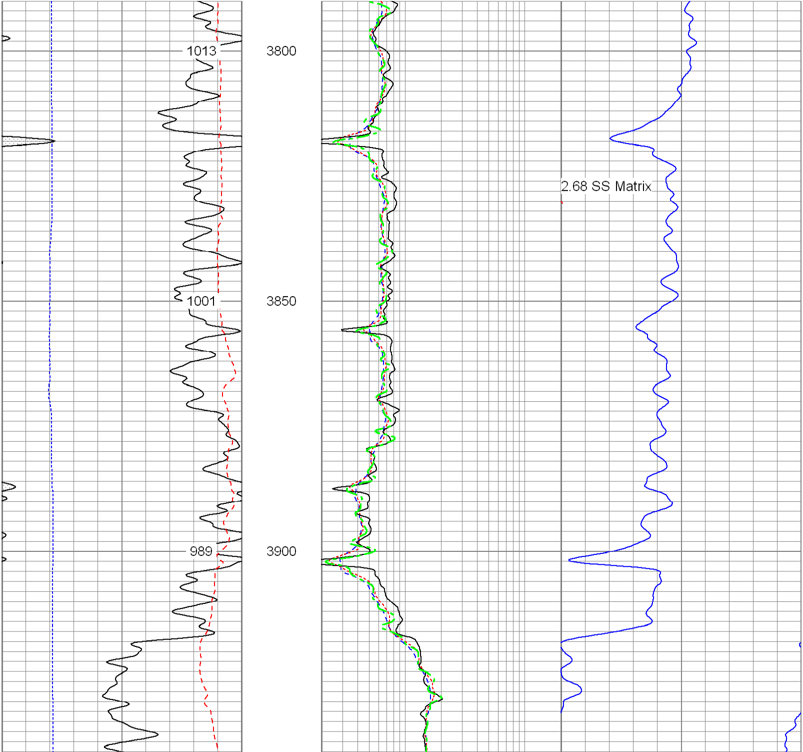
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 7
Thank you for using Pioneer Energy Services.

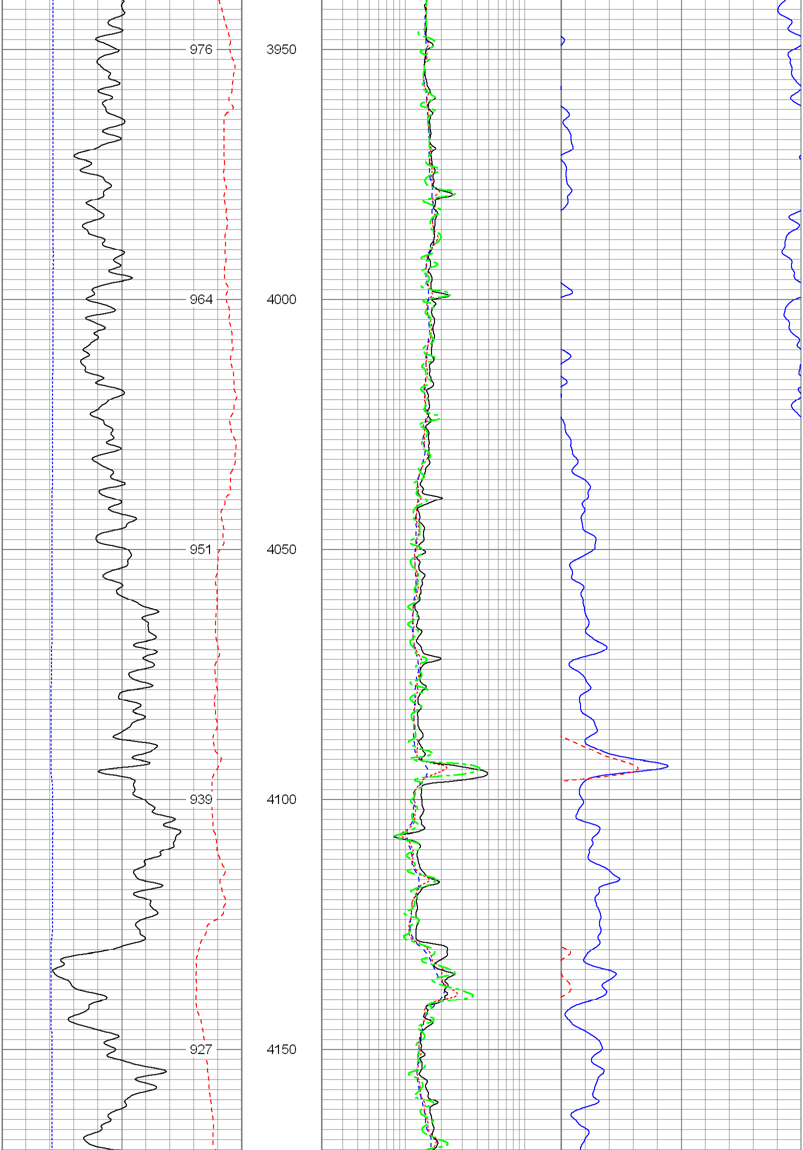
Database File: 13293.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sun Mar 10 13:41:23 2013
Charted by: Depth in Feet scaled 1:240

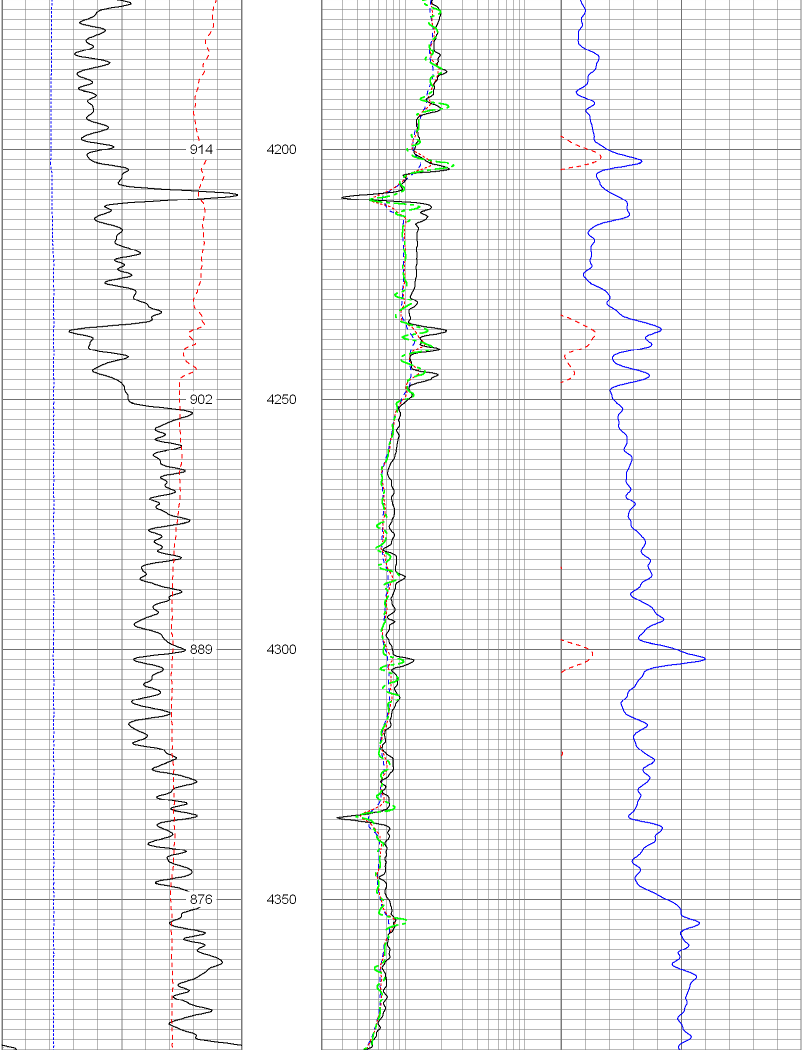
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
40 SP (mV) 140
ABHV (ft3)

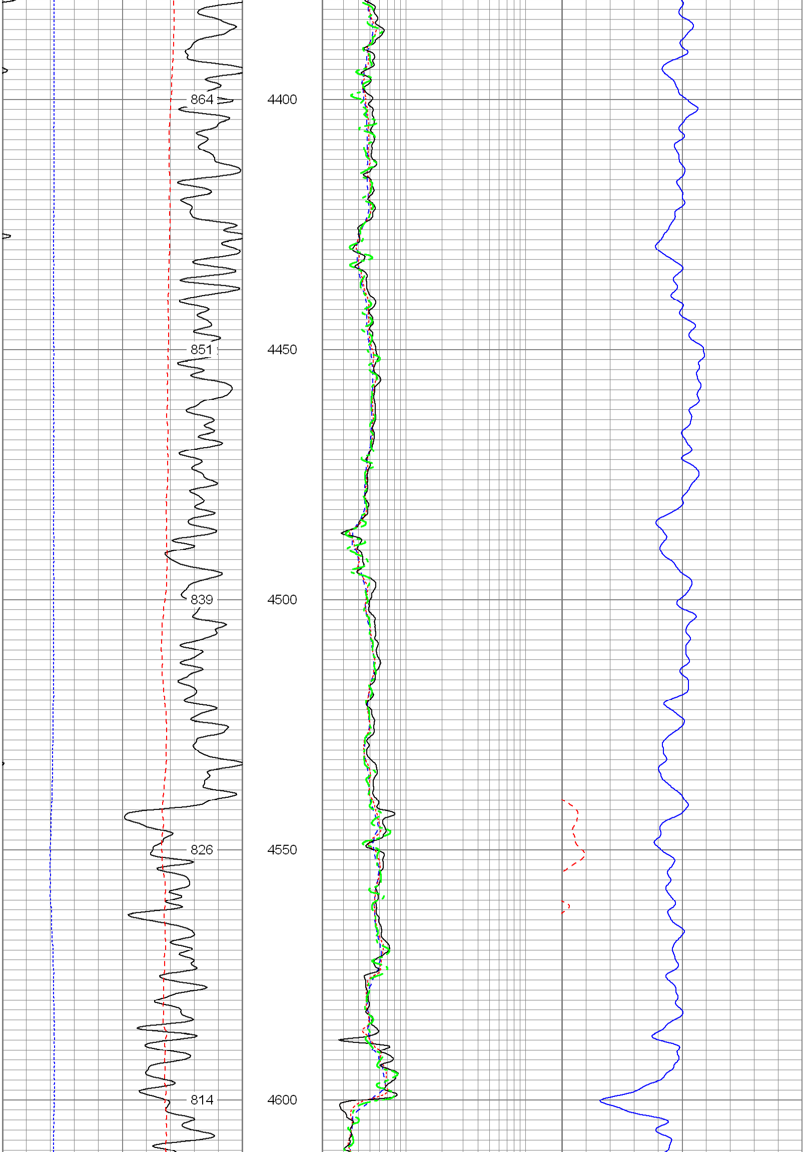
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

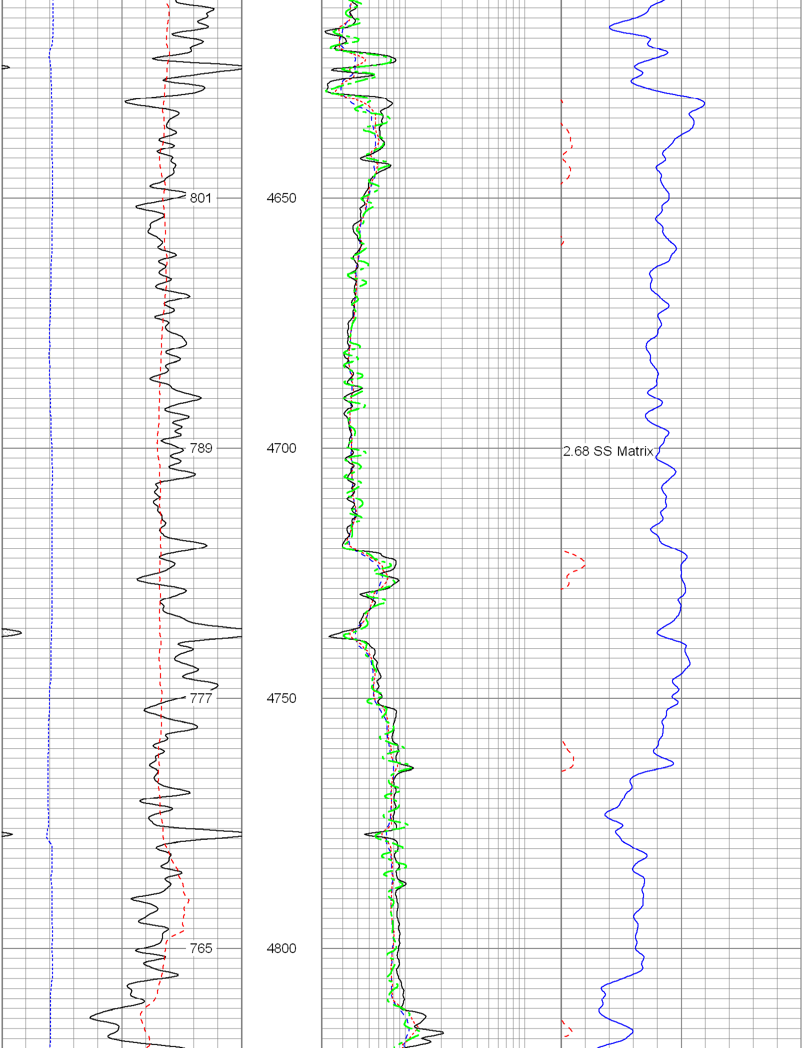
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

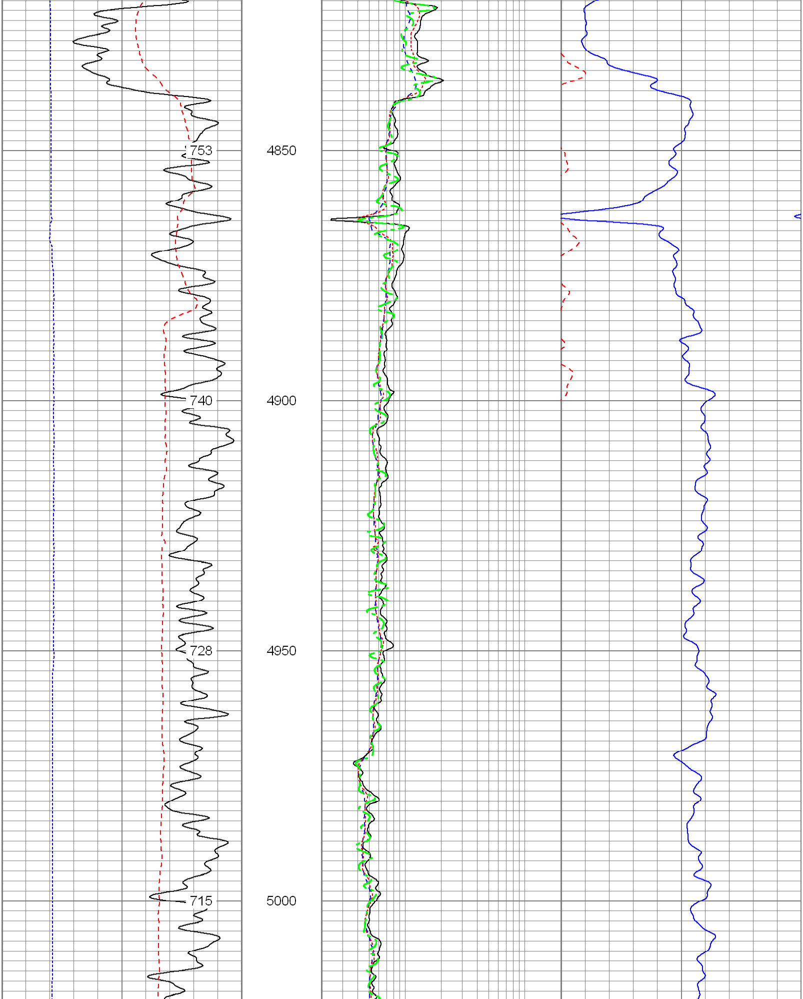


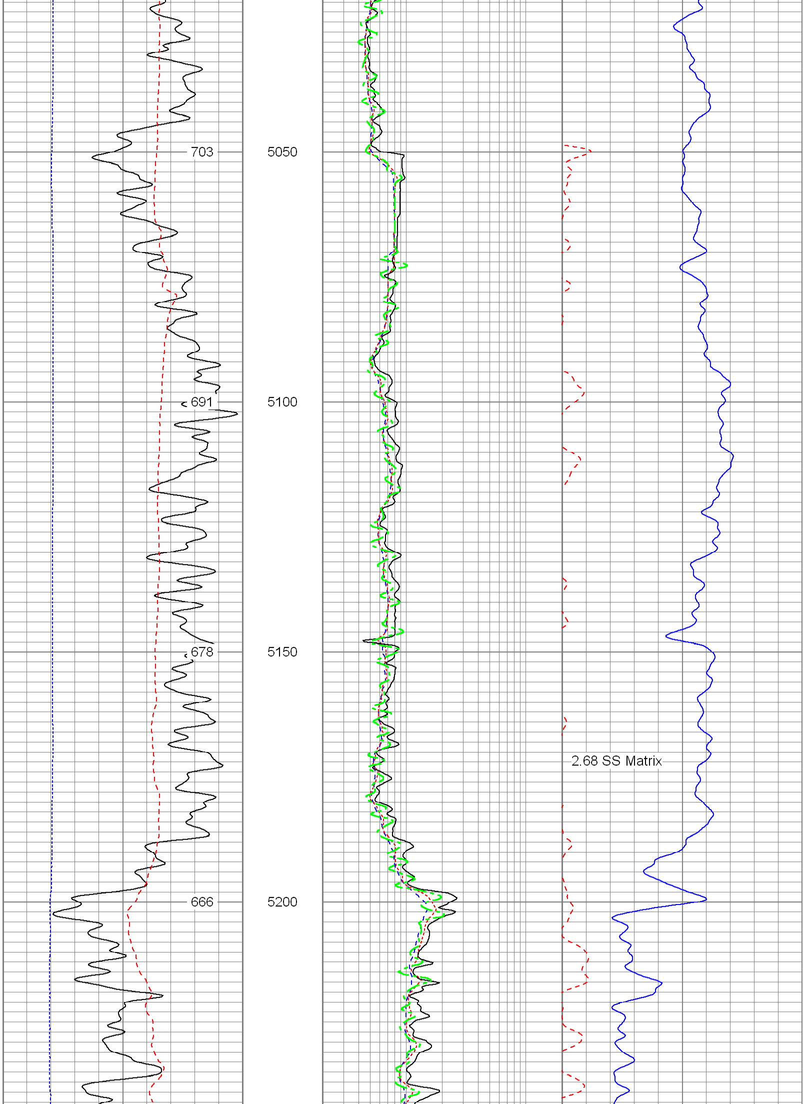


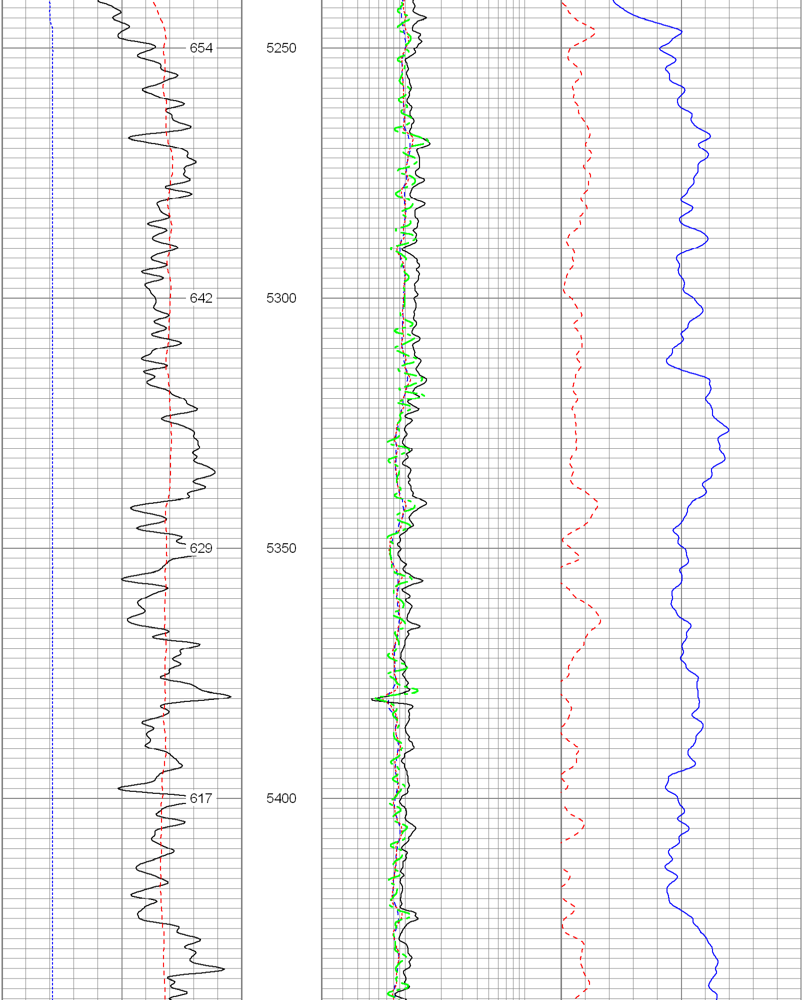


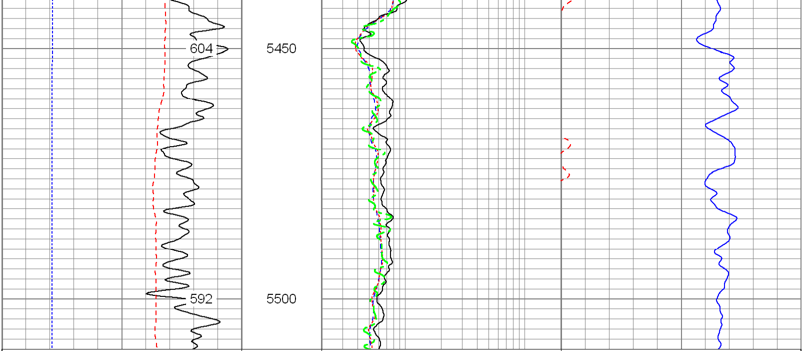












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20 Density Porosity (pu) 0
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Database File:	13293.db
Dataset Pathname:	final
Presentation Format:	pdc
Dataset Creation:	Sun Mar 10 13:41:23 2013
Charted by:	Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200

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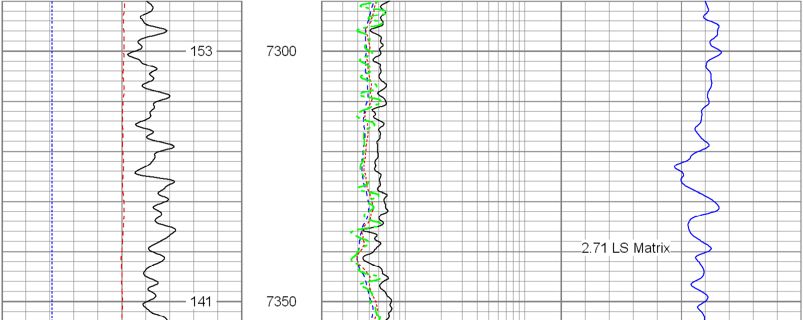
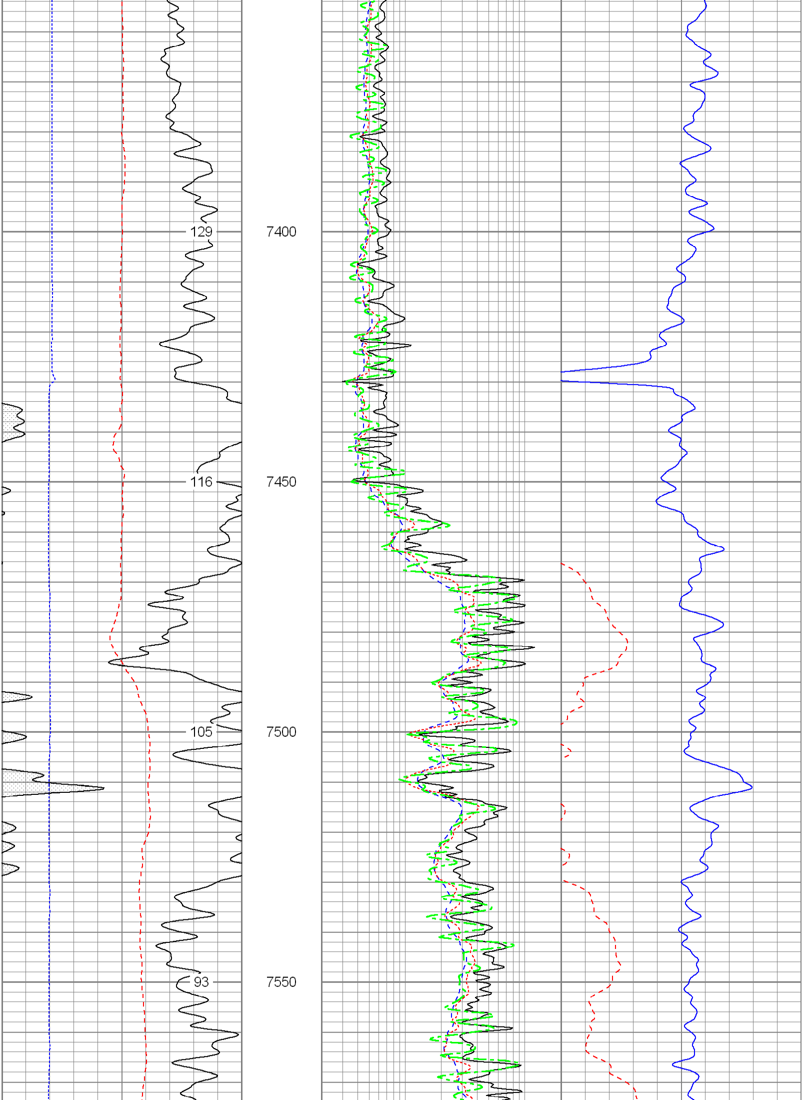
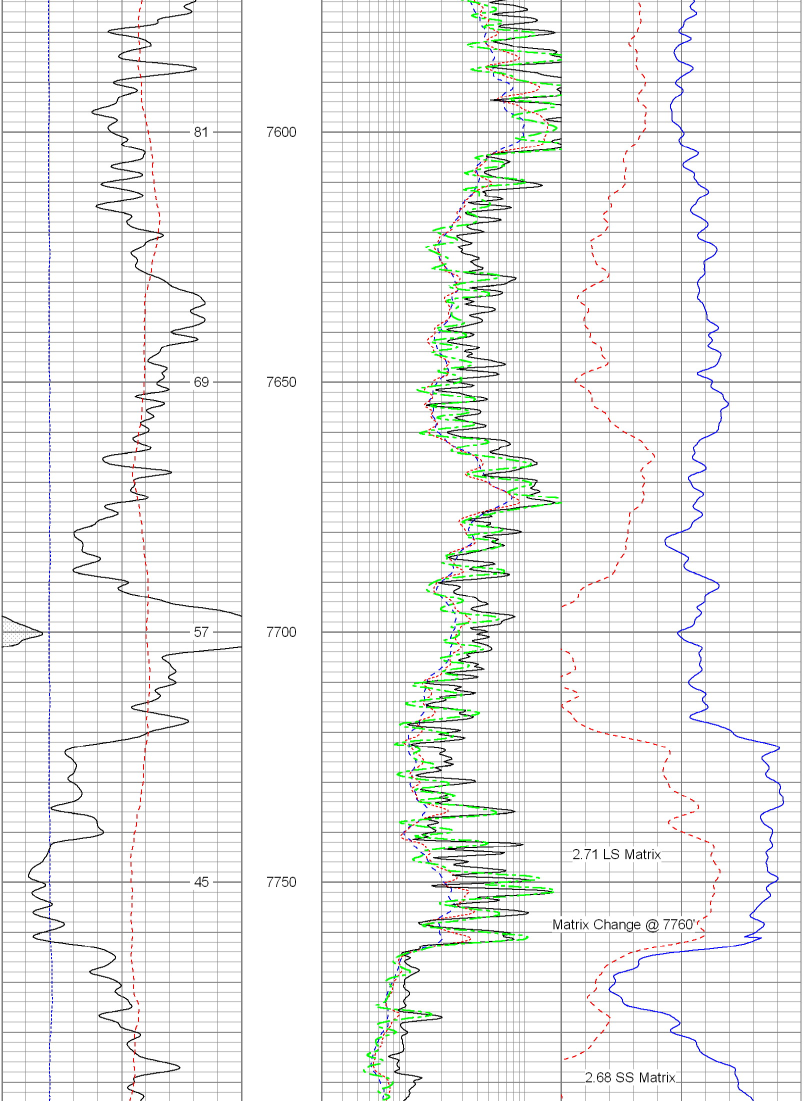
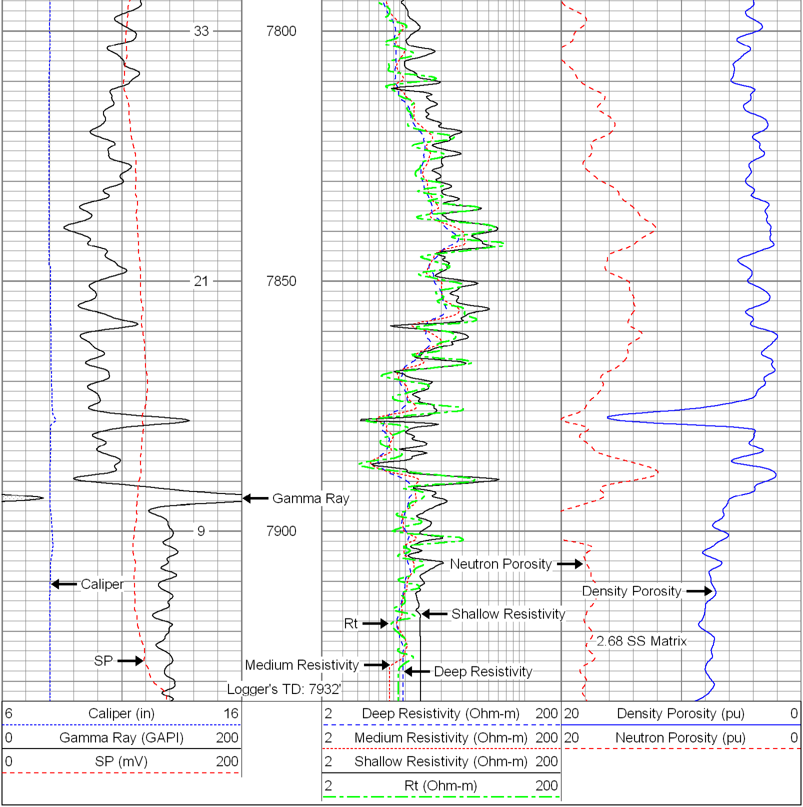
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

20 Density Porosity (pu) 0
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