PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company Top Operating Company
Well Kintz 2
Field Wattenberg
County Weld
State Colorado

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Well Kintz 2
Field Wattenberg
County Weld State Colorado

Location: API # : 05123366210000

SHL: 1883' FNL & 920' FEL SENE
BHL: 1855' FSL & 2002' FEL NWSE

SEC 8 TWP 3N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation	5079
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 5092
D.F. 5092
G.L. 5079

Date	February 3, 2013		
Run Number	1		
Depth Driller	8275		
Depth Logger	8273	Tight Hole	
Bottom Logged Interval	8273		
Top Log Interval	Casing		
Casing Driller	430		
Casing Logger	430		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 73		
pH / Fluid Loss	8.0 / 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.30 @ 70 F		
Rmf @ Meas. Temp	2.64 @ 70 F		
Rmc @ Meas. Temp	3.96 @ 70 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.06 @ 217 F		
Time Circulation Stopped	0245		
Time Logger on Bottom	1015		
Maximum Recorded Temperature	217 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Dean Rogers		

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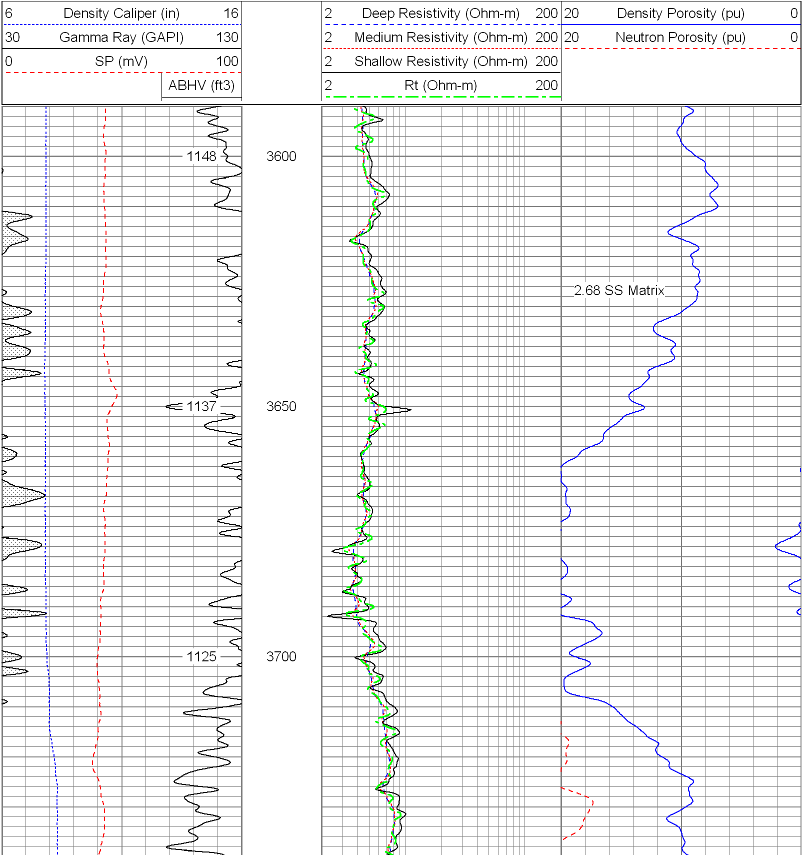
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

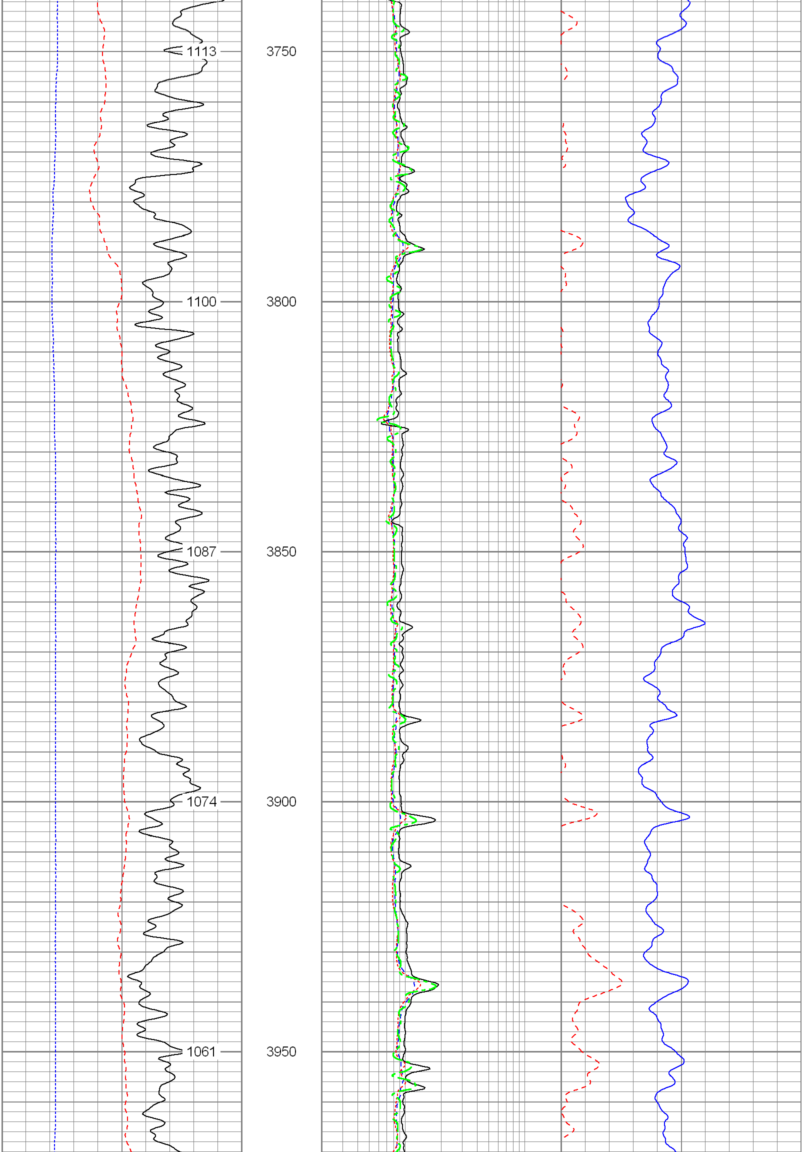
Comments

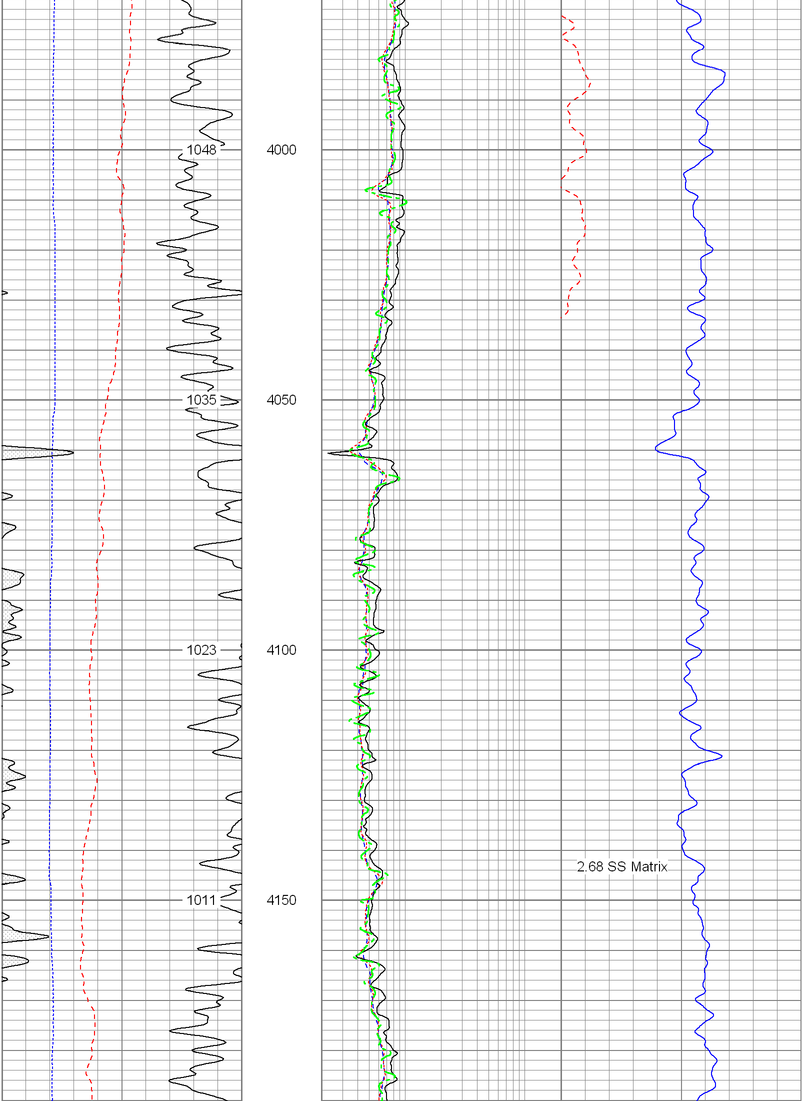
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 226
Thank you for using Pioneer Energy Services.

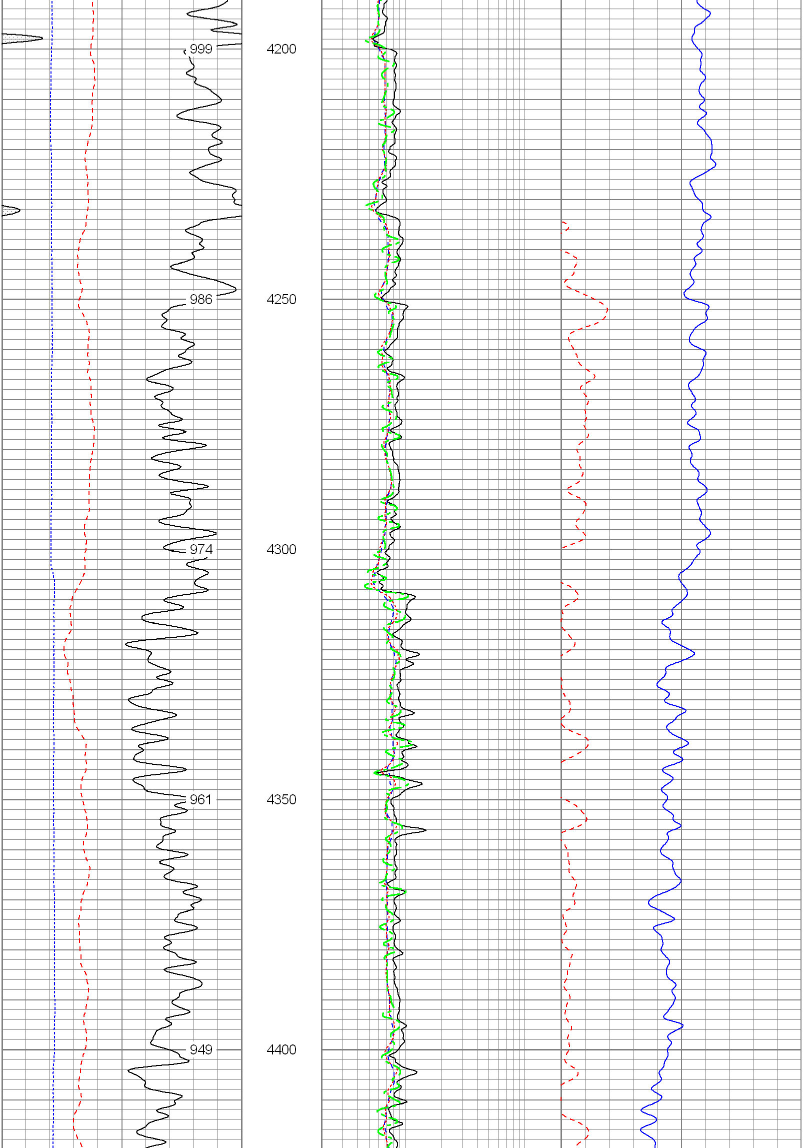
Tight Hole

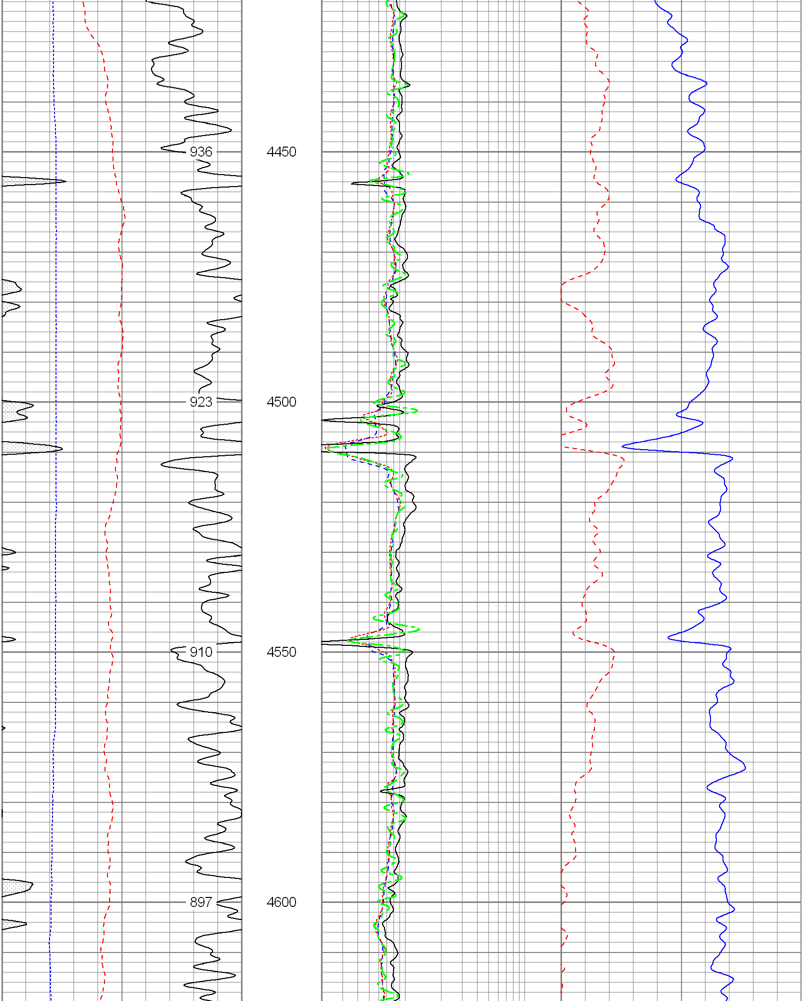
Database File:	13281.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Sun Feb 03 10:11:49 2013
Charted by:	Depth in Feet scaled 1:240

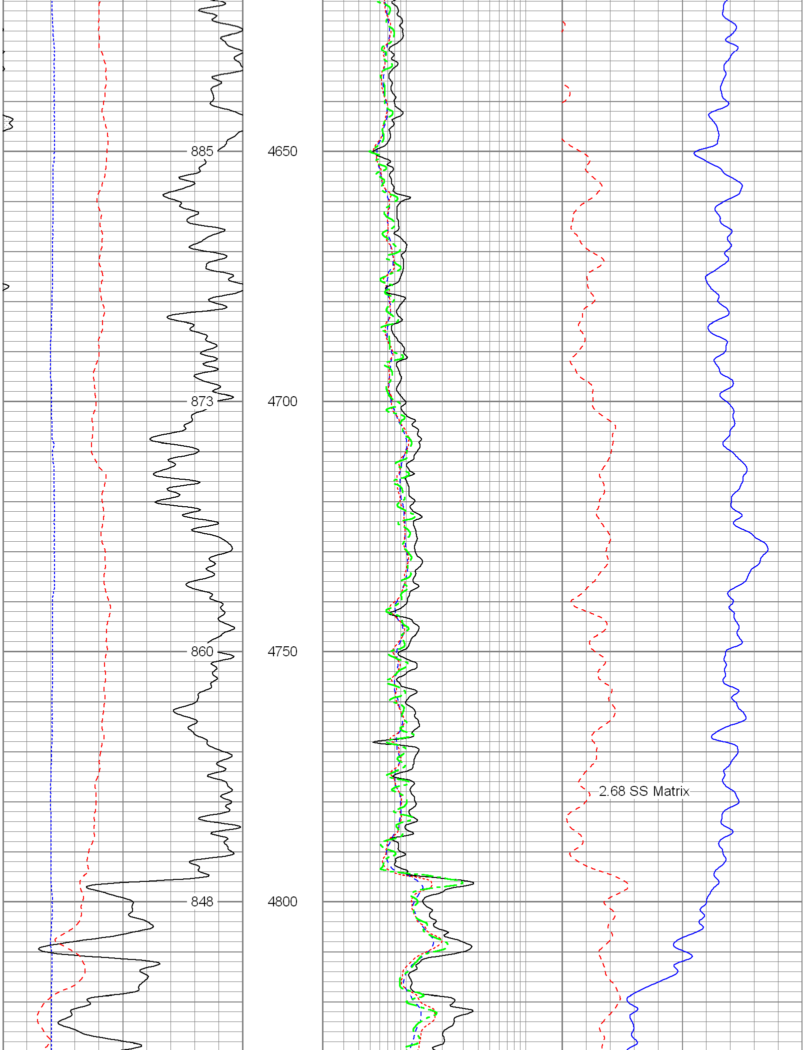


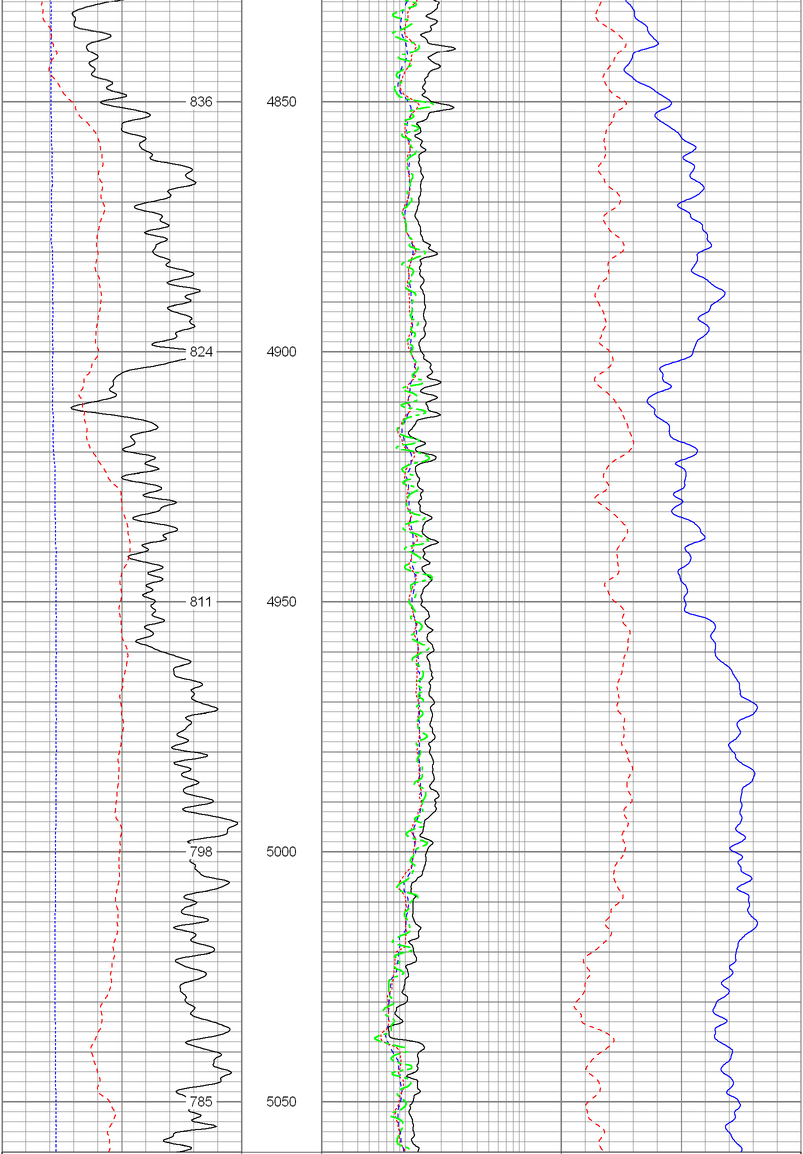












6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
0 SP (mV) 100
ABHV (ft3)

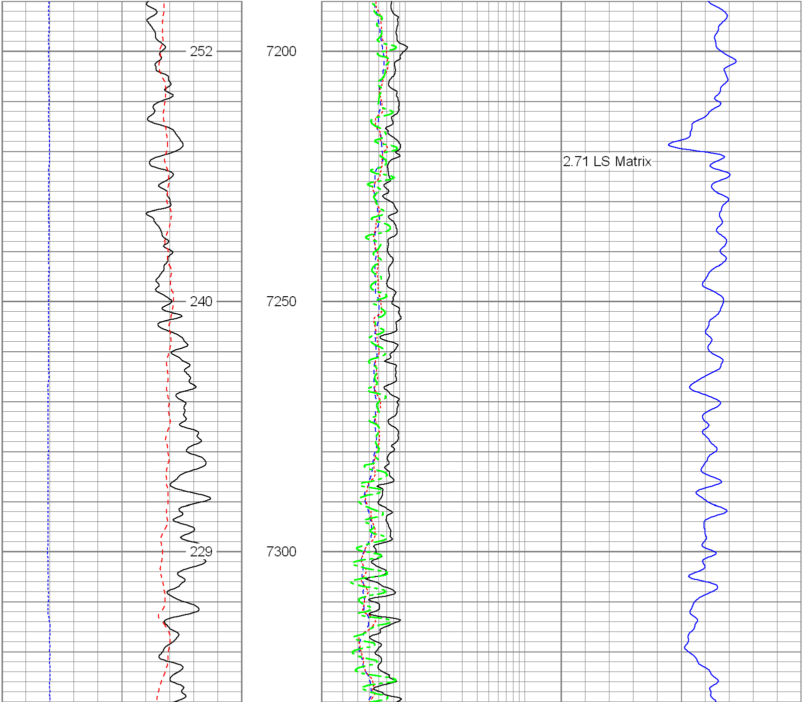
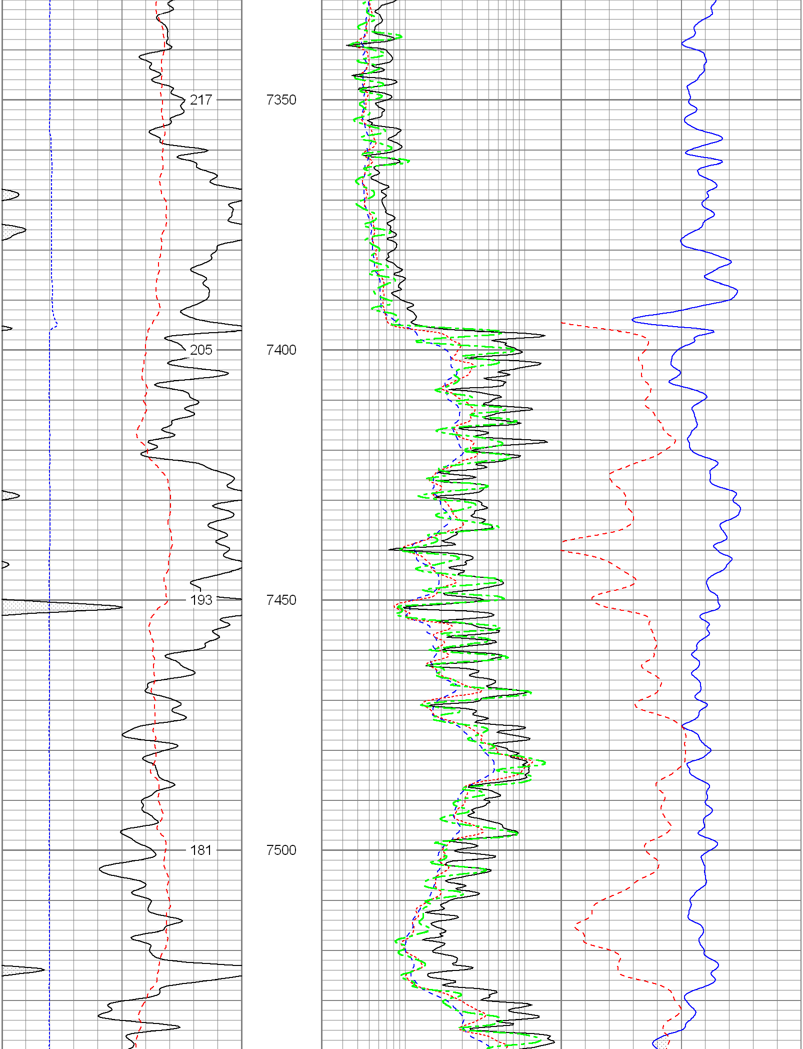
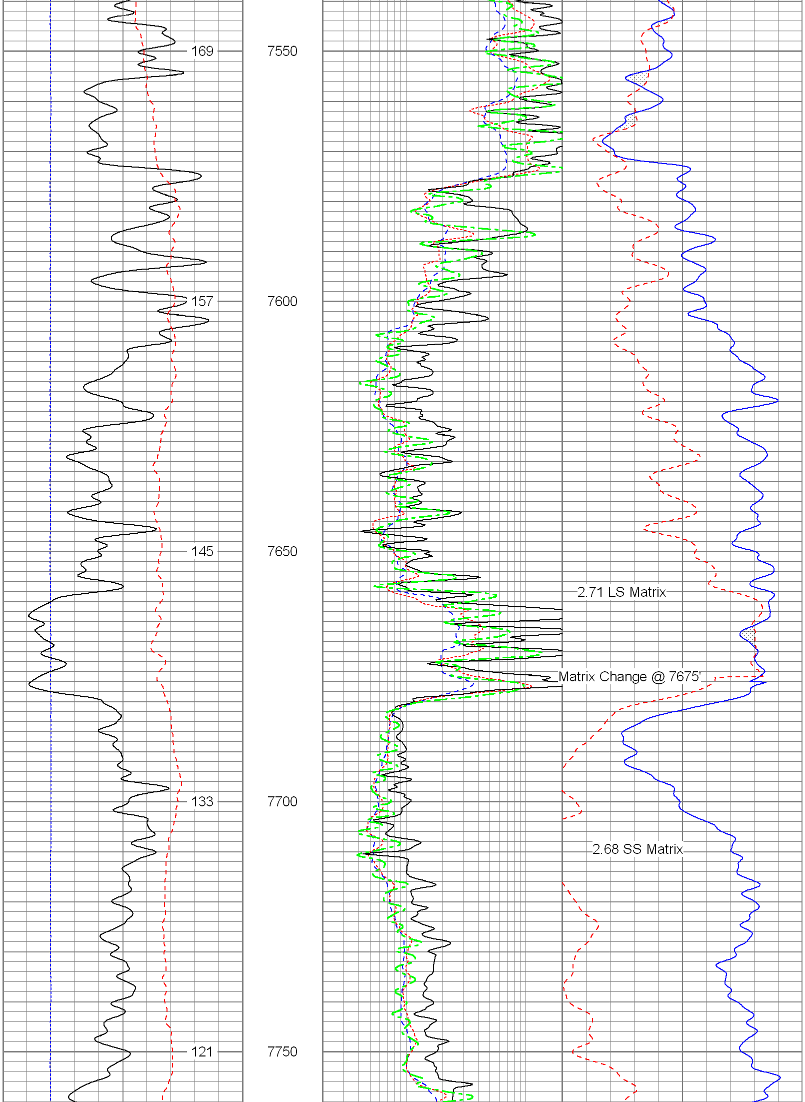
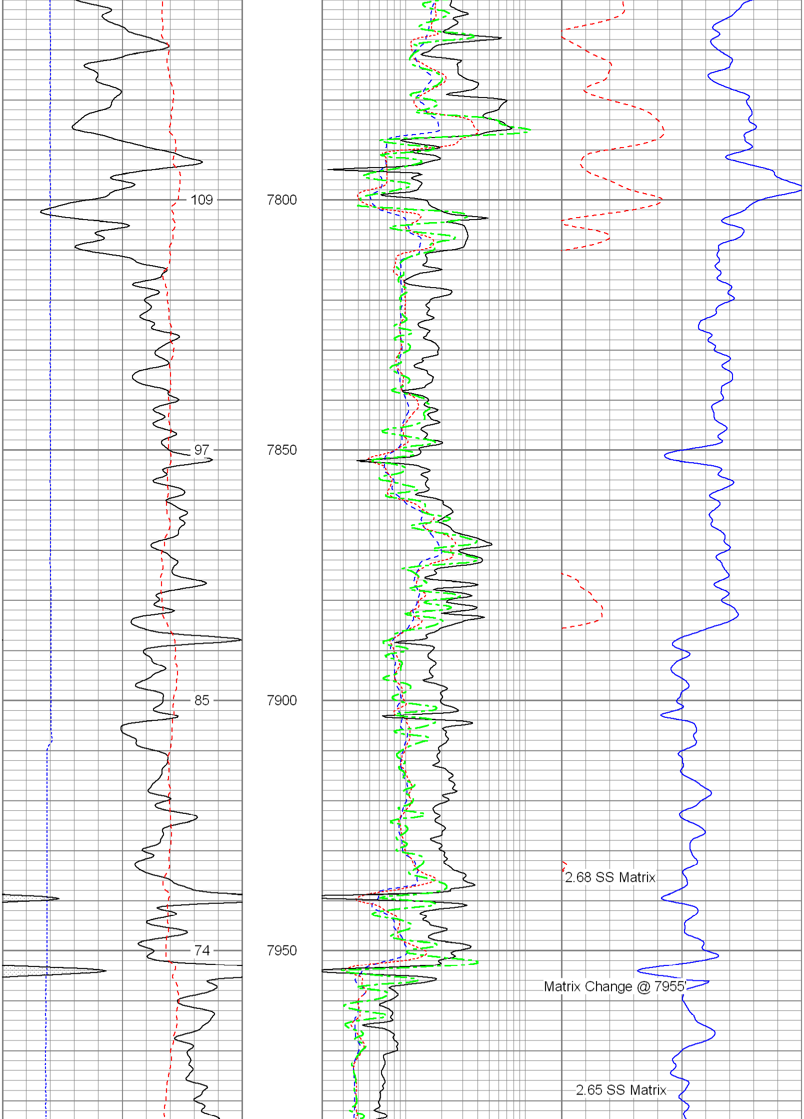
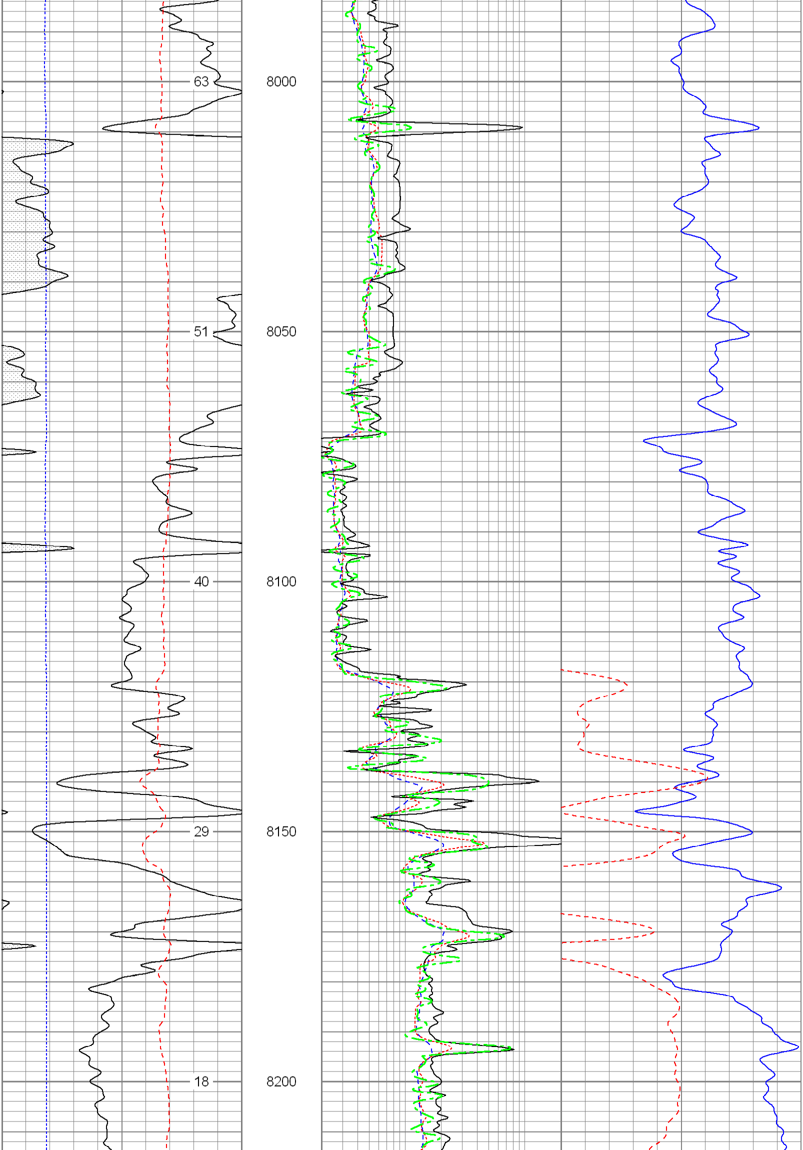
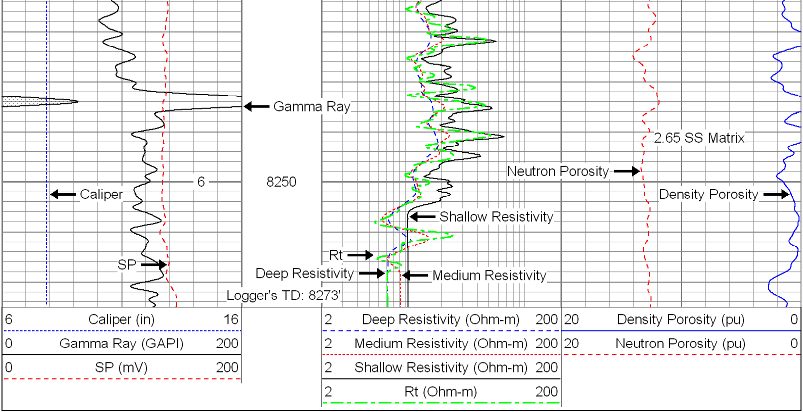
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

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

Database File: 13281.db
Dataset Pathname: final
Presentation Format: pdc
Dataset Creation: Sun Feb 03 10:11:49 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
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