PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company	Extration Oil & Gas, LLC
Well	Winder 9-41
Field	Wattenberg
County	Weld
State	Colorado

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Location: API # : 05123361640000

SHL: 651' FNL & 685' FEL NENE
SEC 9 TWP 6N RGE 67W
BHL: 50' FSL & 50' FWL SWSW
SEC 3 TWP 6N RGE 67W

Other Services
GR
CAL

Permanent Datum	GL	Elevation	4868
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4880
D.F. 4879
G.L. 4868

Date	October 29, 2013		
Run Number	1		
Depth Driller	7542'		
Depth Logger	7540'		
Bottom Logged Interval	7540'		
Top Log Interval	Casing		
Casing Driller	8-5/8" @ 675'		
Casing Logger	687'		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 57		
pH / Fluid Loss	10.0 / 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.53 @ 56 F		
Rmf @ Meas. Temp	2.02 @ 56 F		
Rmc @ Meas. Temp	3.04 @ 56 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.68 @ 209 F		
Time Circulation Stopped	0700		
Time Logger on Bottom	1700		
Maximum Recorded Temperature	209 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Dustin Dyk	Jesse Silva	

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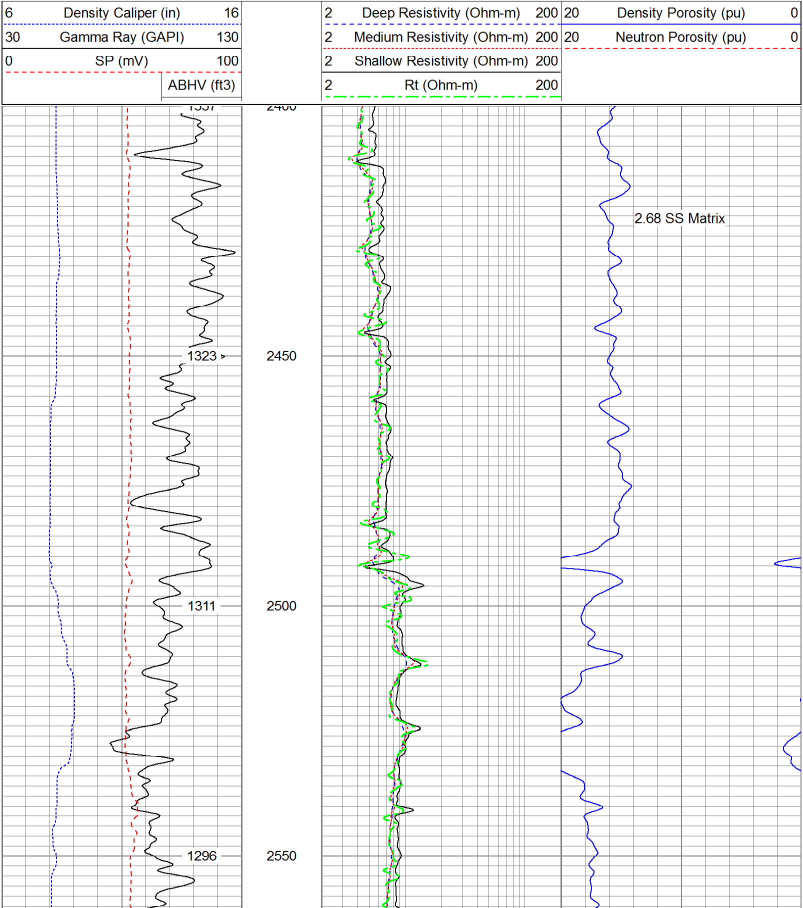
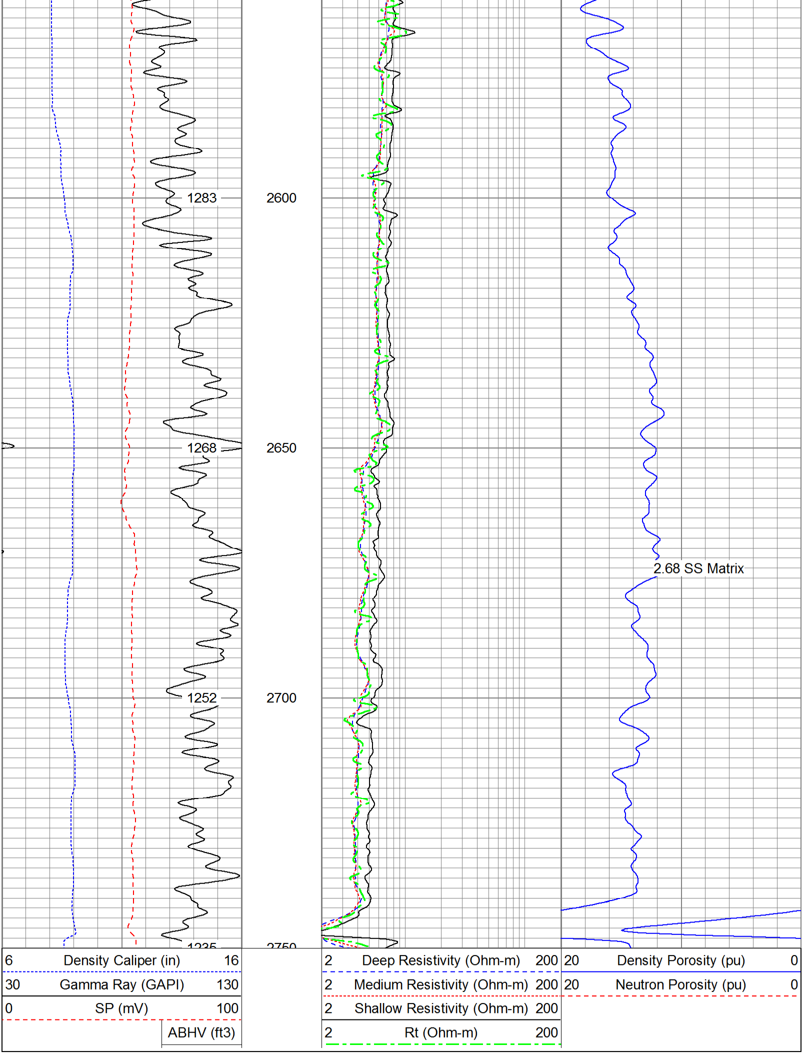
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wreline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wreline Services, LLC will not be liable or responsible for any loss, costs, damages, 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
Fort Drilling Rig 5
Thank you for using Pioneer Energy Services

Database File: 13376.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Tue Oct 29 18:20:43 2013
Charted by: Depth in Feet scaled 1:240





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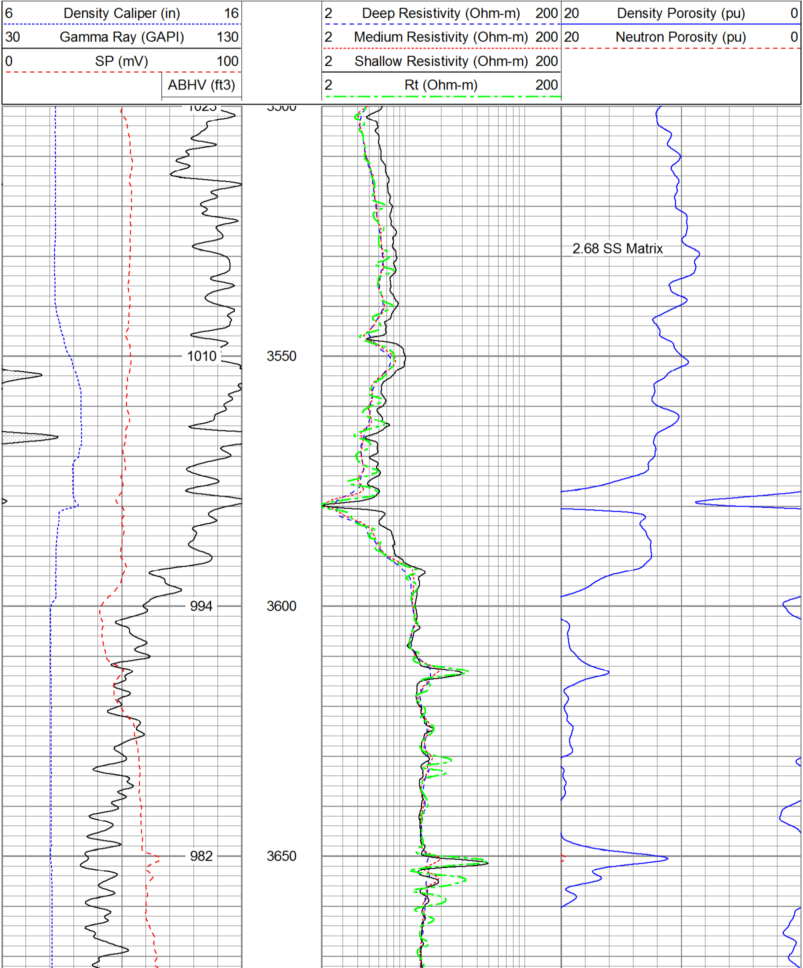
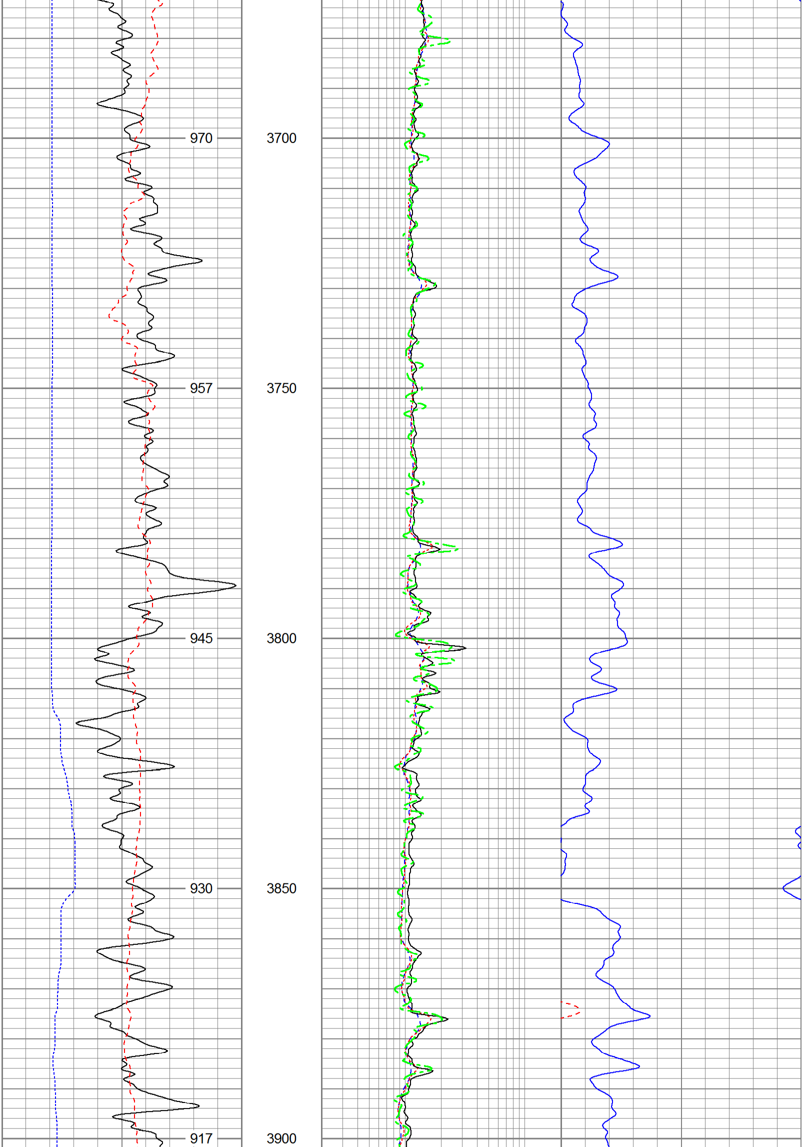
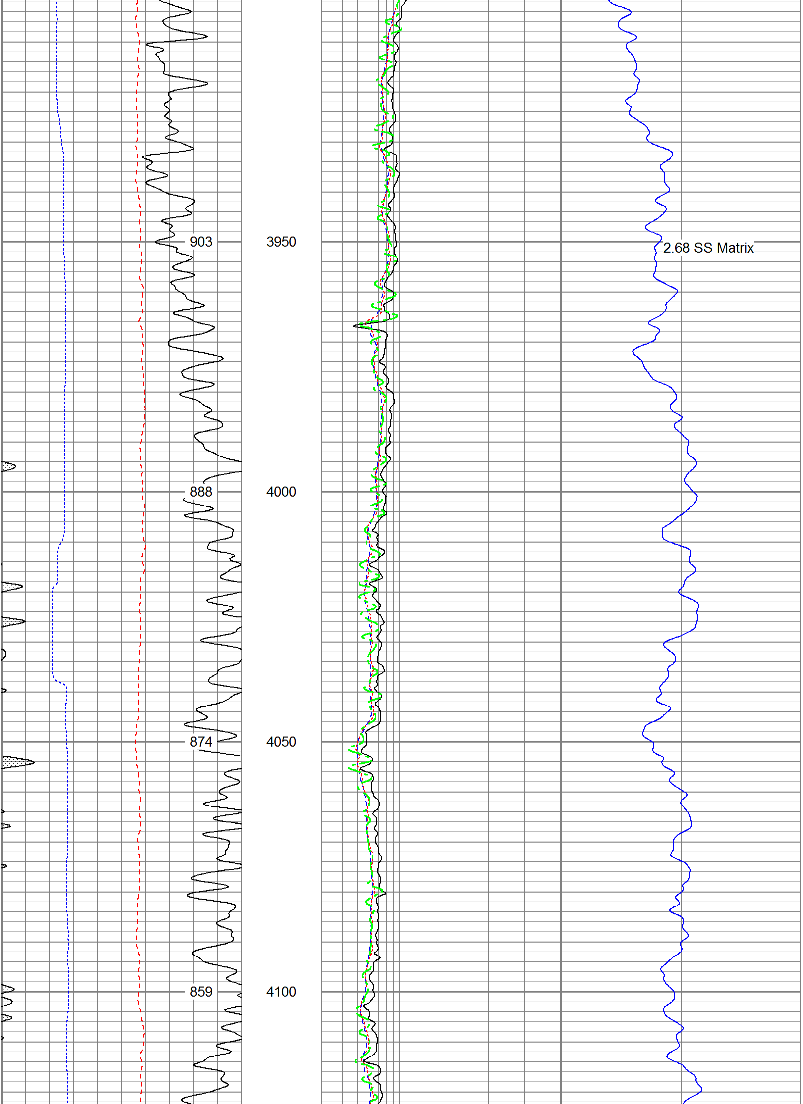
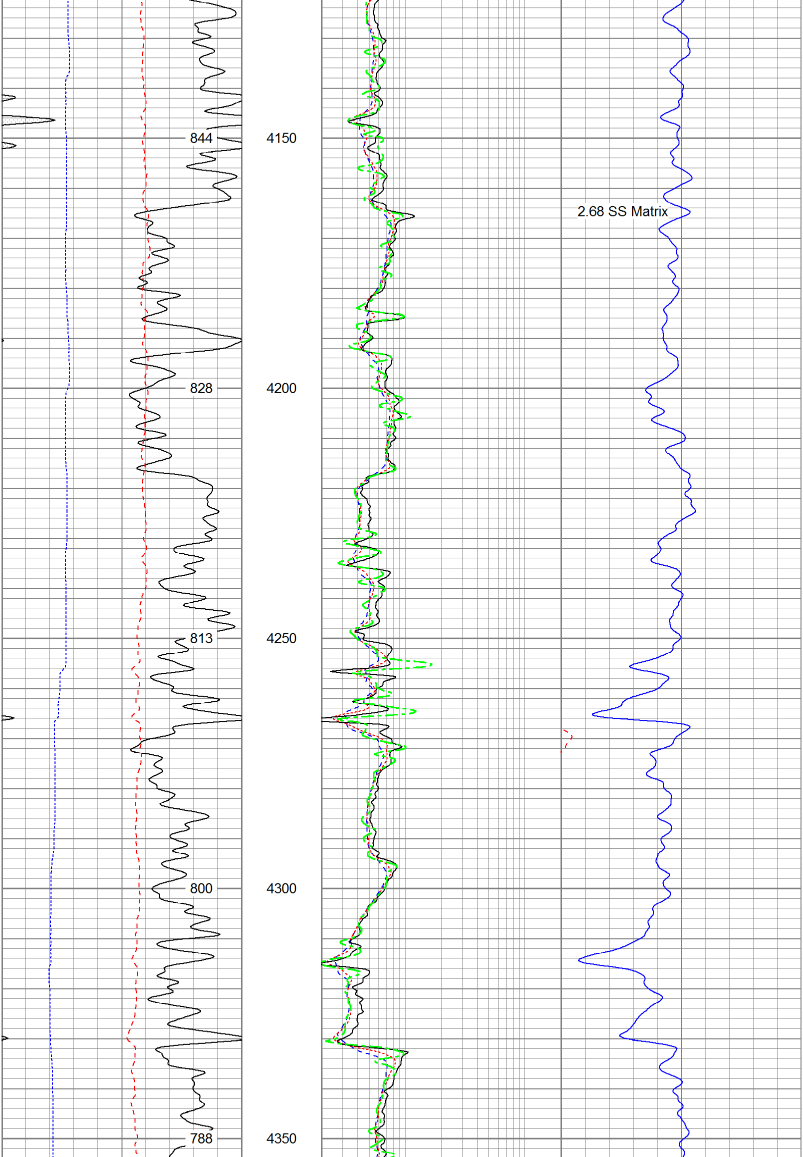
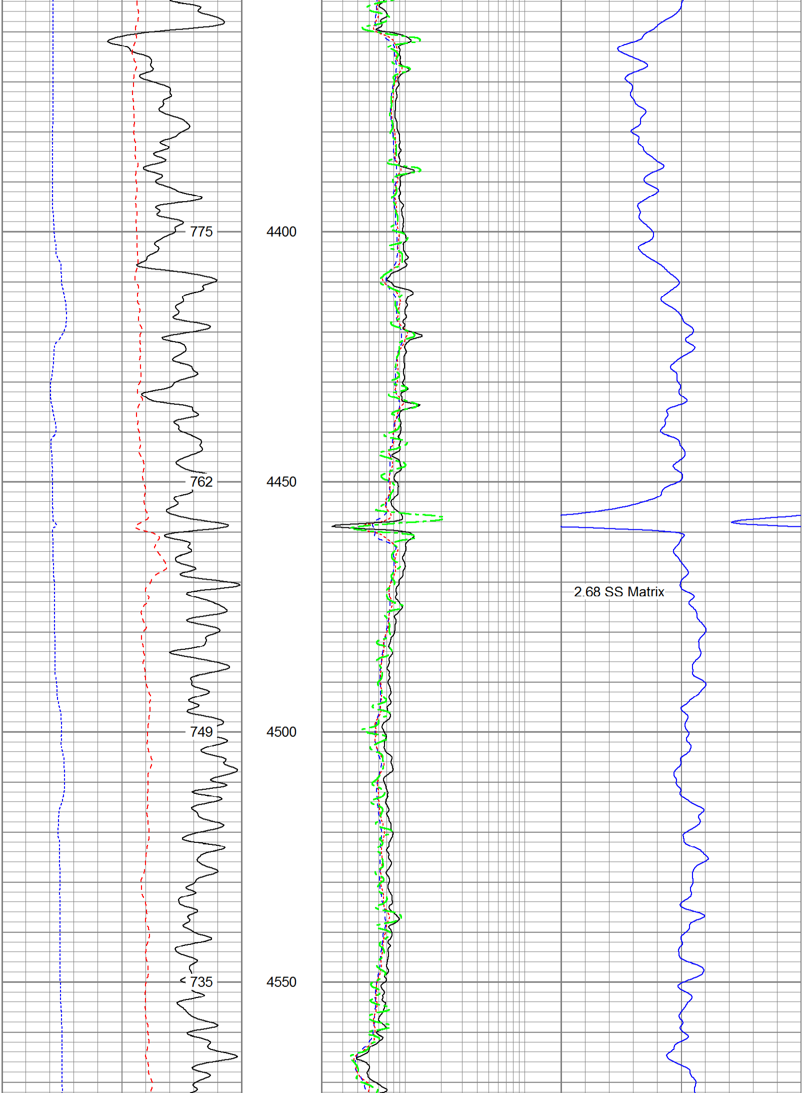
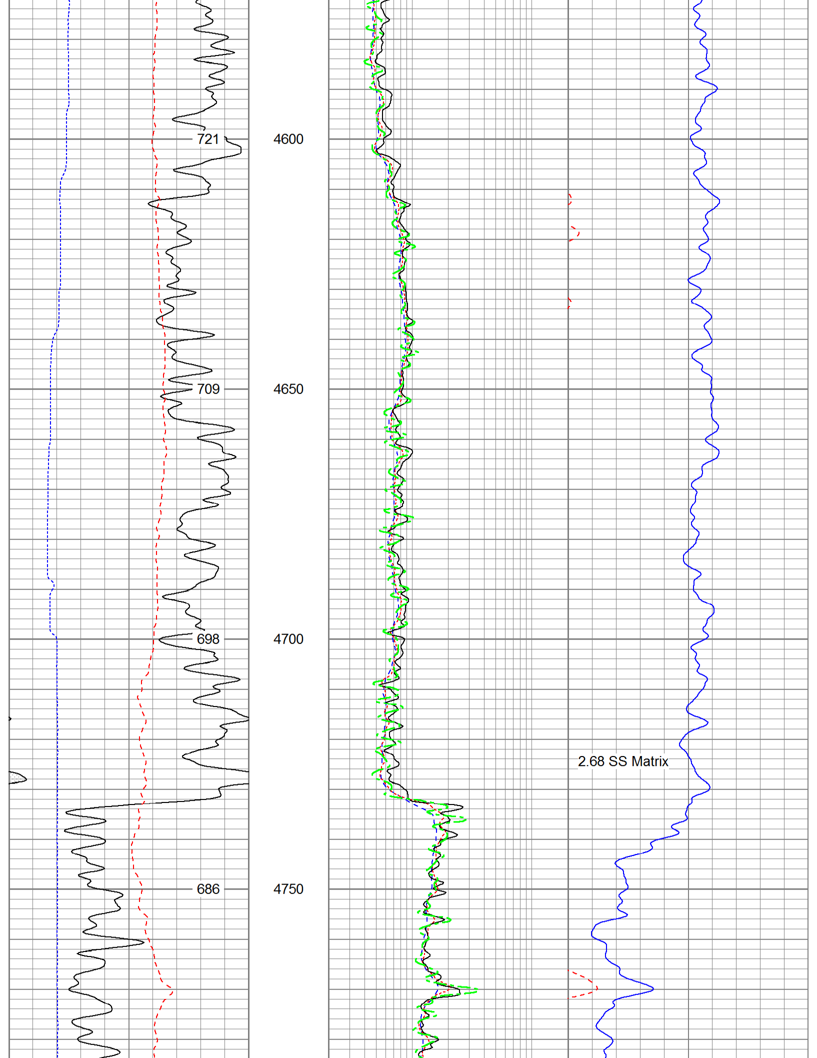


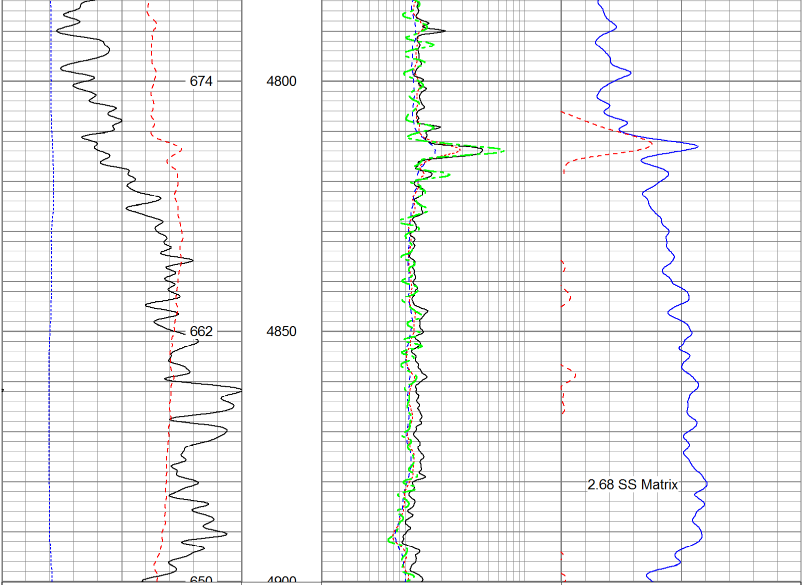












6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
0	SP (mV)	100
	ABHV (ft3)	

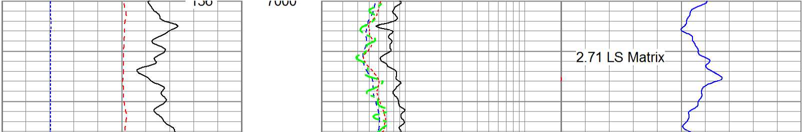
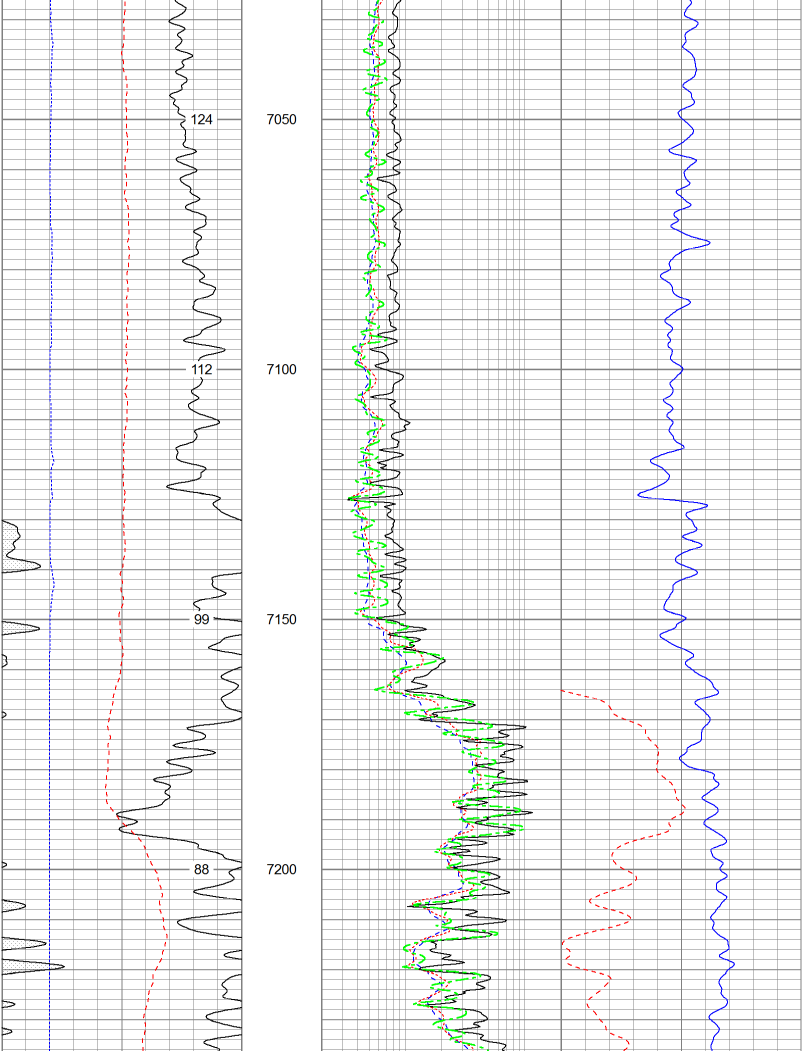
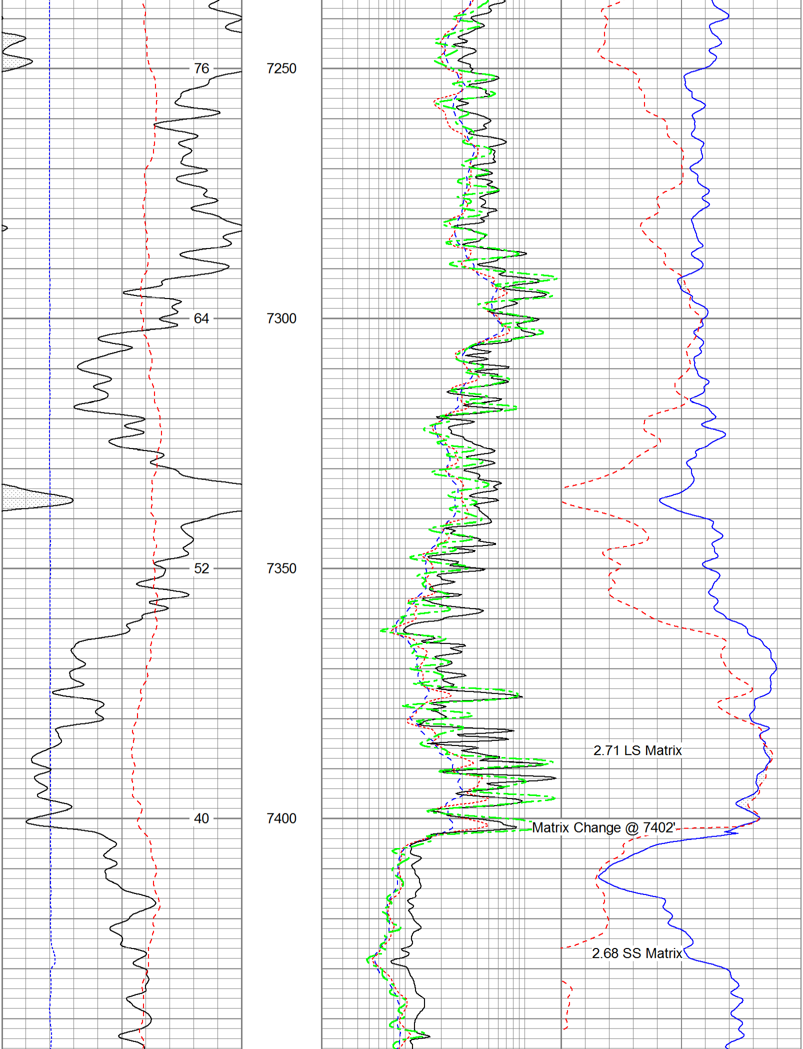
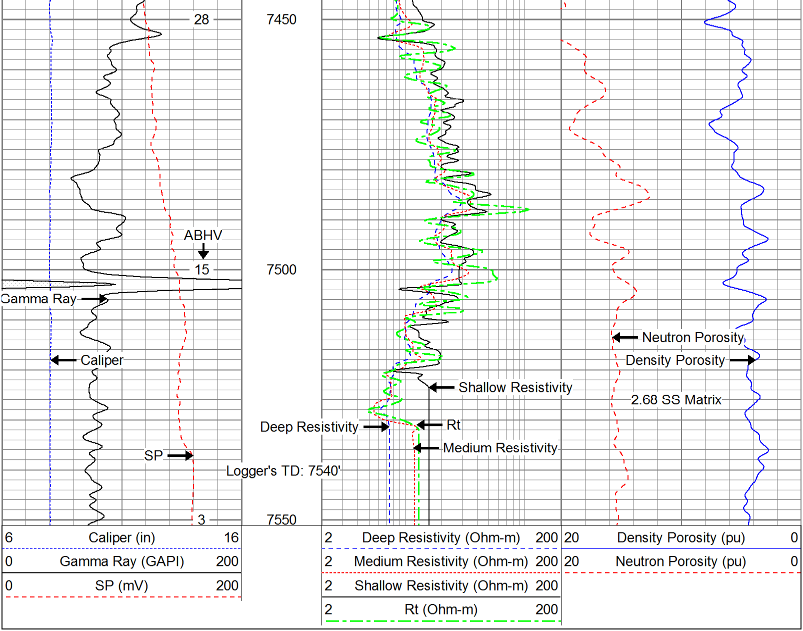
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200
2	Rt (Ohm-m)	200

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

Database File:	13376.db
Dataset Pathname:	main
Presentation Format:	pdc
Dataset Creation:	Tue Oct 29 18:20:43 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
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