Company	Great Western Oil & Gas LLC
Well	Campbell JF 17-13D
Field	Wattenberg
County	Weld
State	Colorado

PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company	**Great Western Oil & Gas LLC**		
Well	**Campbell JF 17-13D**		
Field	**Wattenberg**		
County	**Weld**	**State**	**Colorado**

Location: API # : 05123363250000

SHL: 1512' FNL & 1510' FEL SWNE
EST. BHL: 2618' FSL & 2641' FEL NWSE
SEC 17 TWP 2N RGE 65W

Other Services
None

Permanent Datum	GL	Elevation	4916
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4930
D.F. 4929
G.L. 4916

Date	January 18, 2013		
Run Number	1		
Depth Driller	7698		
Depth Logger	7698		
Bottom Logged Interval	7698		
Top Log Interval	Casing		
Casing Driller	937		
Casing Logger	937		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 50		
pH / Fluid Loss	8.0 / 11.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.43 @ 56 F		
Rmf @ Meas. Temp	2.74 @ 56 F		
Rmc @ Meas. Temp	4.12 @ 56 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.91 @ 210 F		
Time Circulation Stopped	0600		
Time Logger on Bottom	1150		
Maximum Recorded Temperature	210 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Clint Christensen		
Witnessed By	Matt Johnson	Mark Scanniello	

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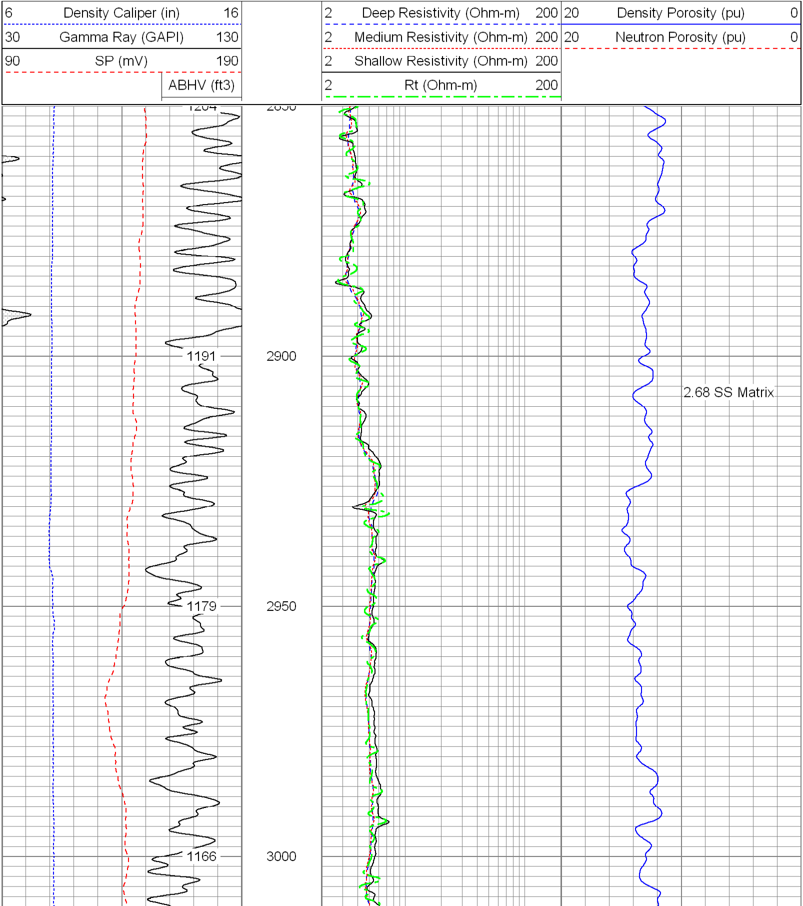
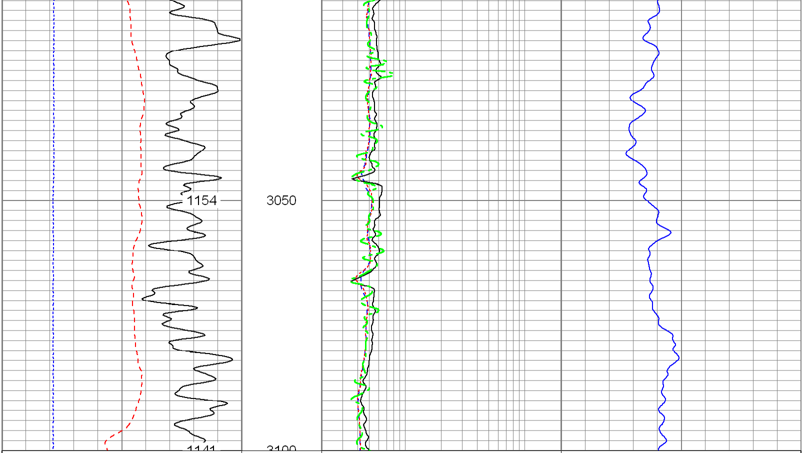
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, 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 Due to Hole Conditions.

Database File: 13270.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Fri Jan 18 13:27:02 2013
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
90 SP (mV) 190	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

Database File:	13270.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Fri Jan 18 13:27:02 2013
Charted by:	Depth in Feet scaled 1:240

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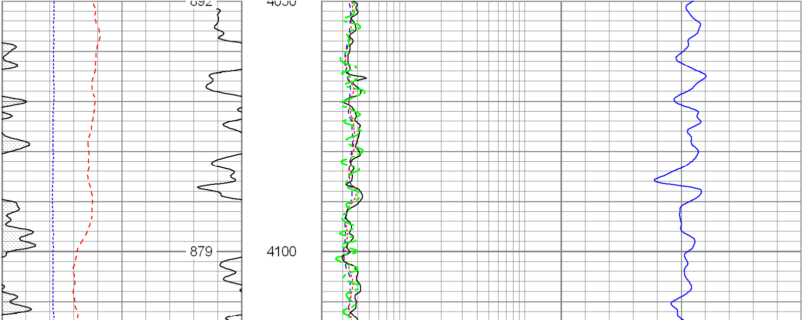

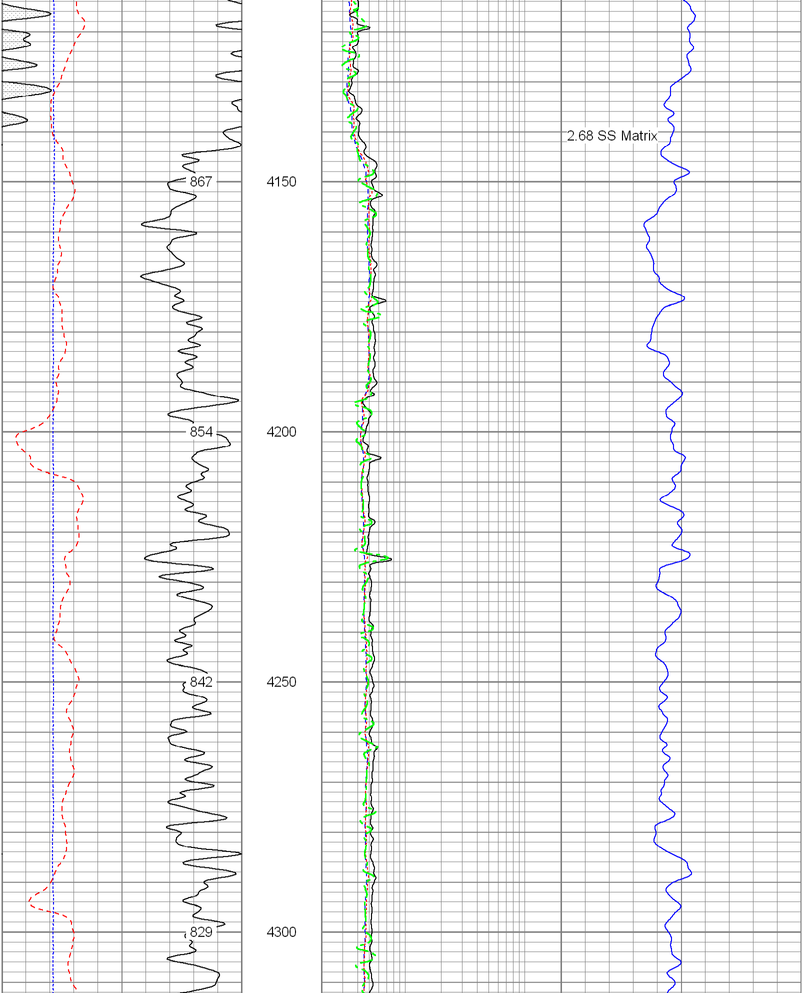

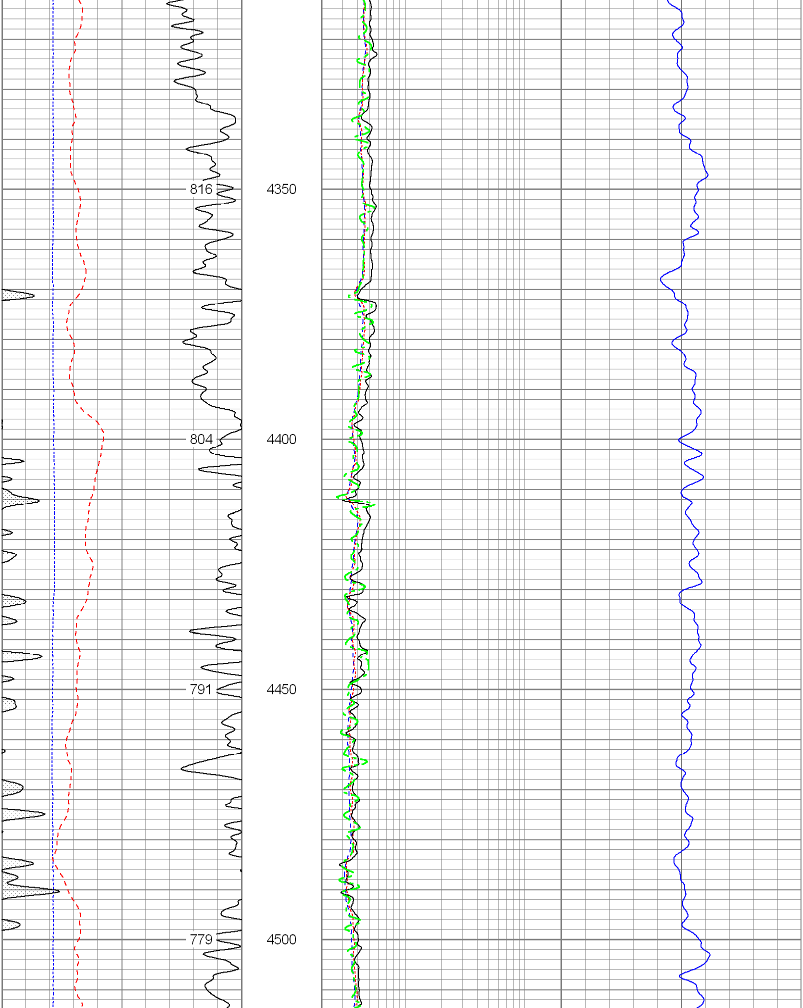

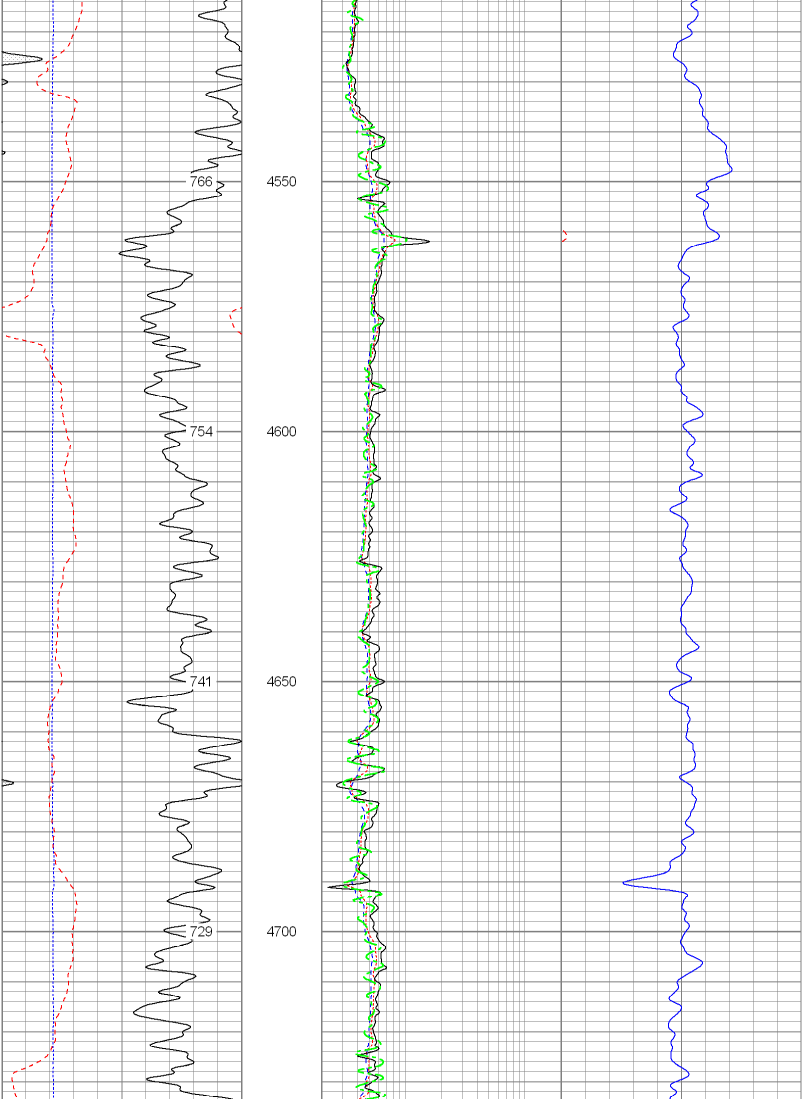

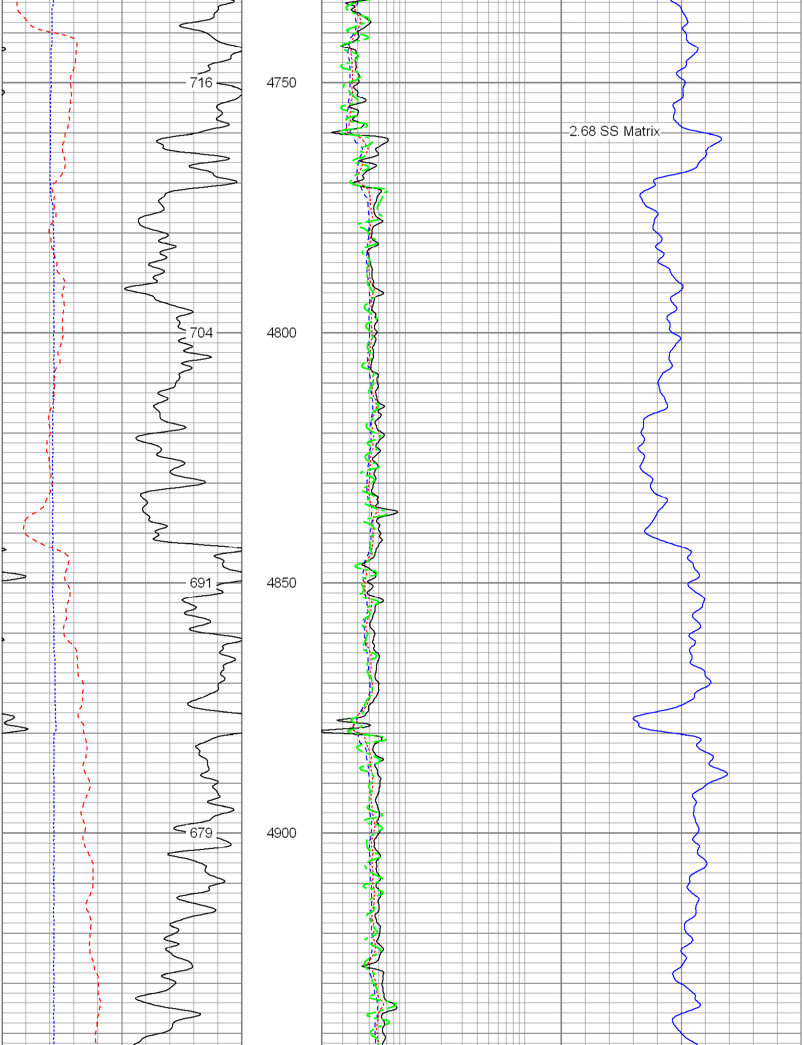

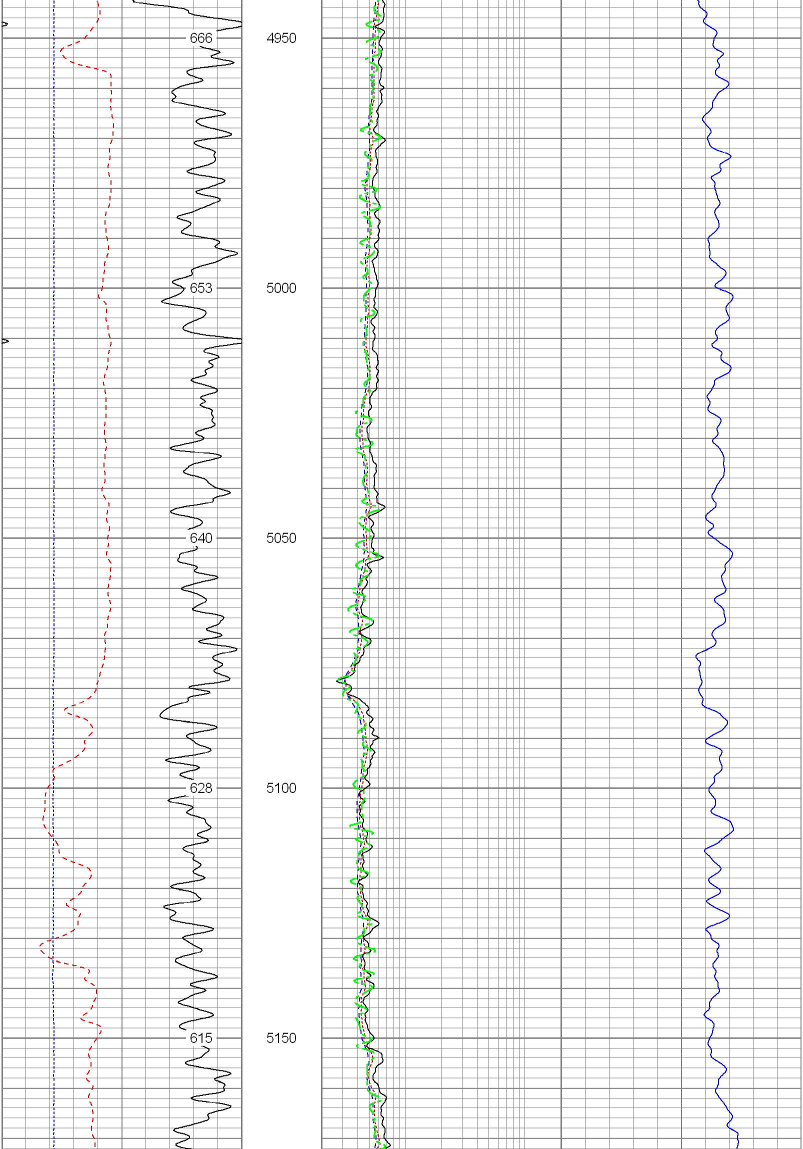

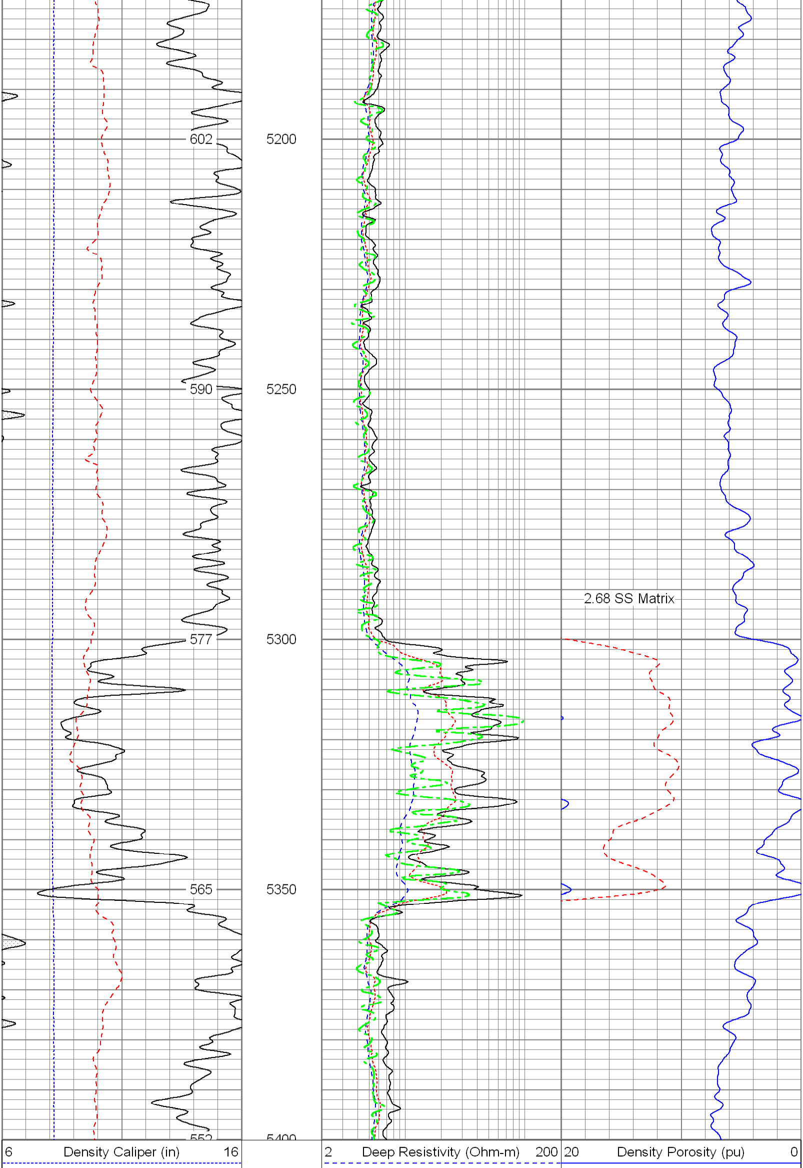

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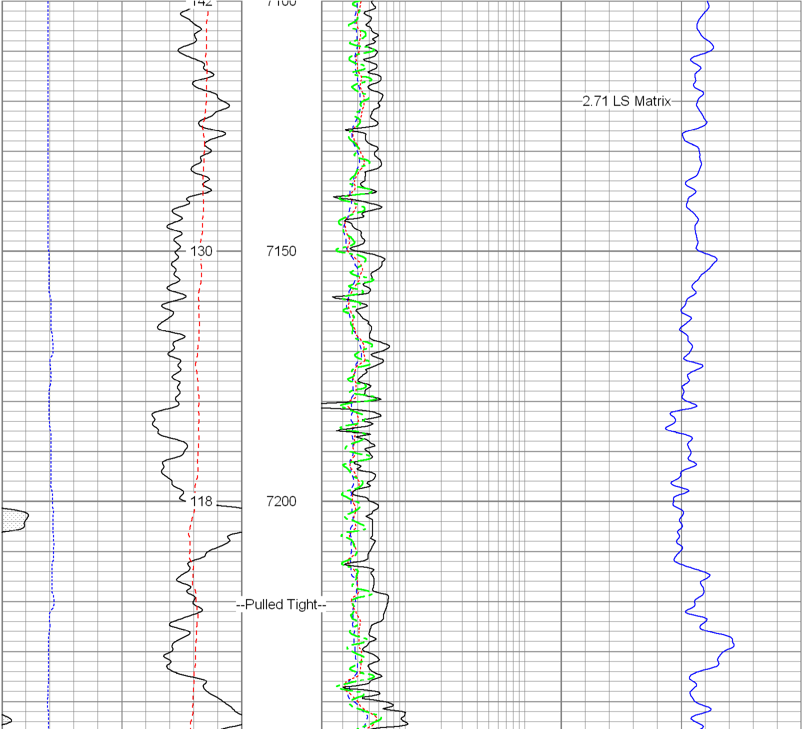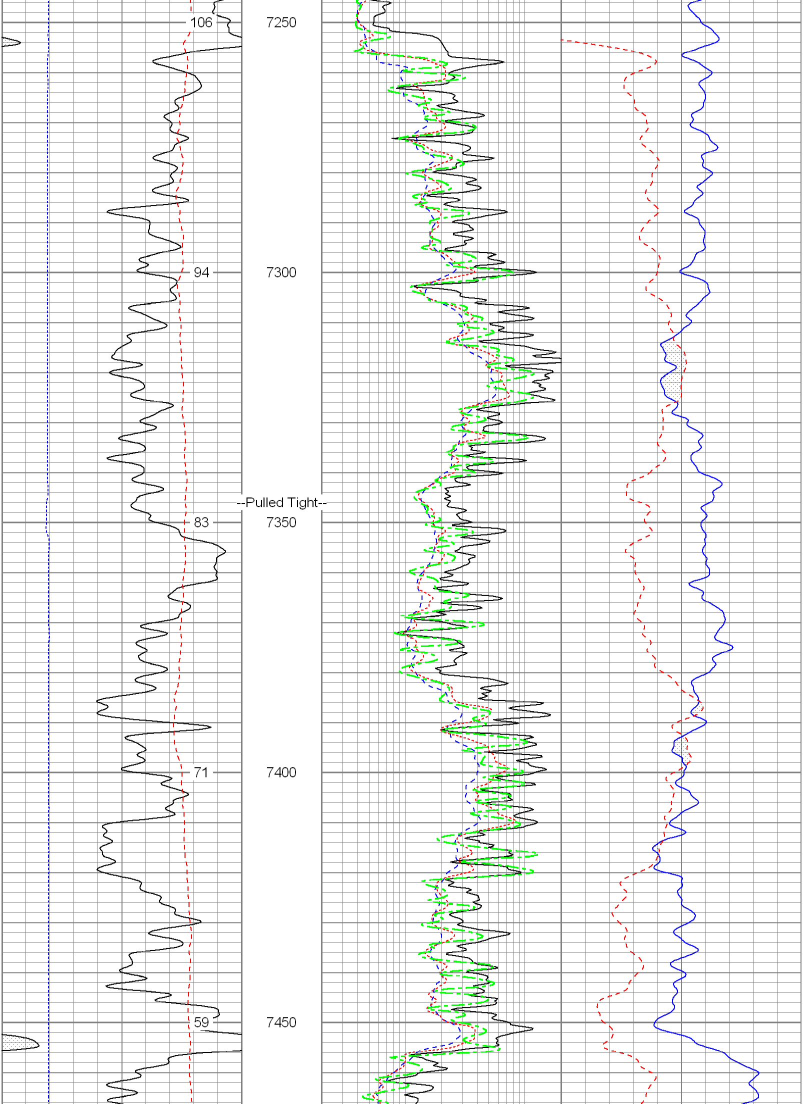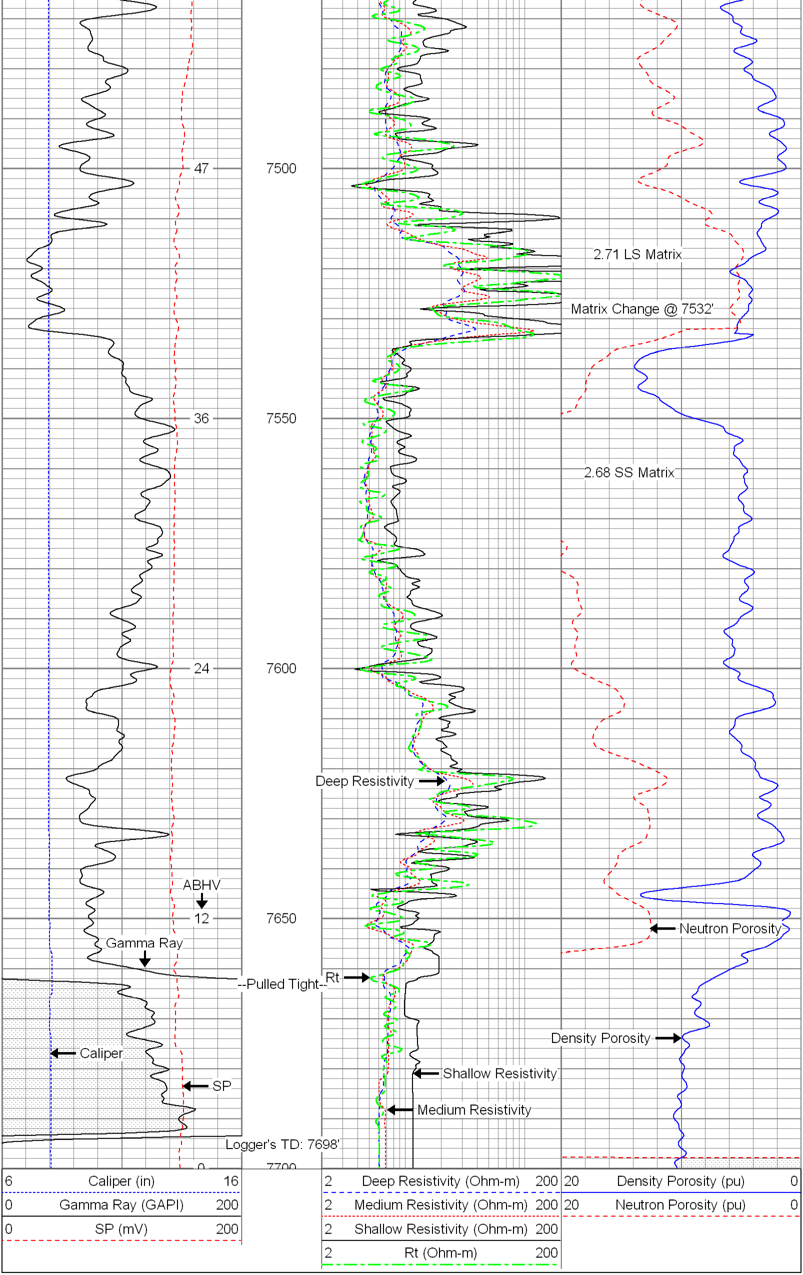6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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