Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company	Great Western Oil & Gas LLC
Well	Andrews 26-13
Field	Wattenberg
County	Weld
State	Colorado

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Field	**Wattenberg**		
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Location: API # : 05123360350000

SHL: 922' FSL & 1436' FWL SESW
BHL: 2069' FSL & 636' FWL NWSW

SEC 26 TWP 7N RGE 65W

Other Services
None

Permanent Datum	GL	Elevation	4871
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4885
D.F. 4884
G.L. 4871

Date	October 10, 2012		
Run Number	1		
Depth Driller	7535		
Depth Logger	7532		
Bottom Logged Interval	7532		
Top Log Interval	Casing		
Casing Driller	729		
Casing Logger	729		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 55		
pH / Fluid Loss	8.0 / 8..8		
Source of Sample	Mudpit		
Rm @ Meas. Temp	3.10 @ 65 F		
Rmf @ Meas. Temp	2.48 @ 65 F		
Rmc @ Meas. Temp	3.72 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.96 @ 210 F		
Time Circulation Stopped	1415		
Time Logger on Bottom	2040		
Maximum Recorded Temperature	210 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Jason Scherer	Matt Gill	
Witnessed By	SHAWN ARMSTRONG	ROBIN BRACKMAN	

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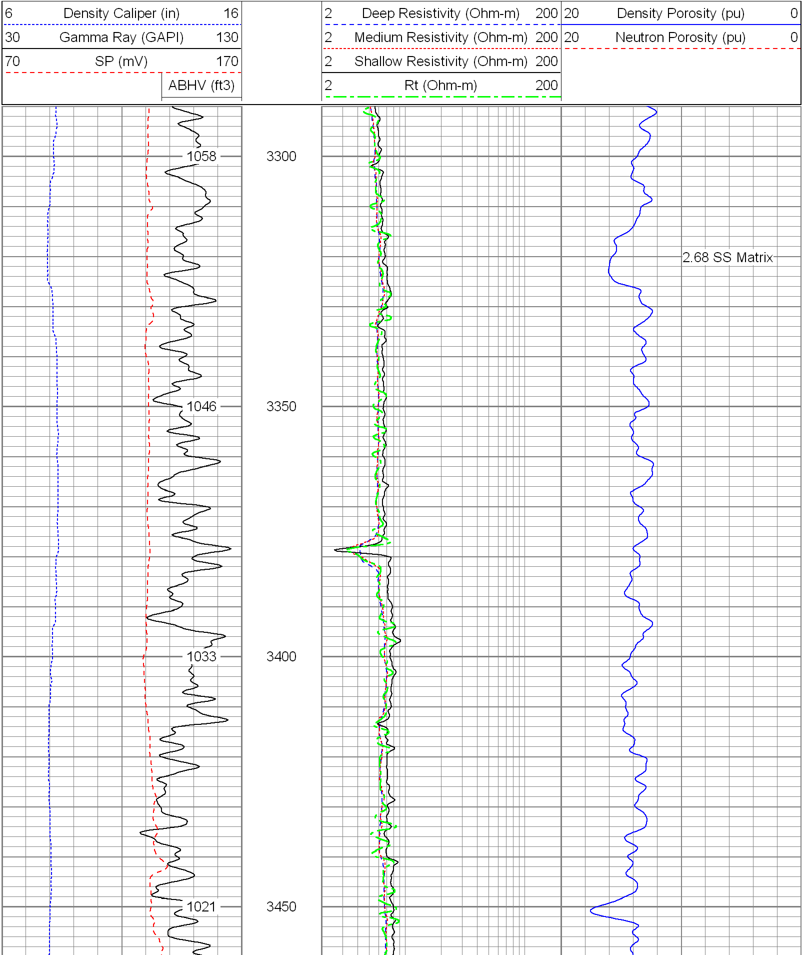
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

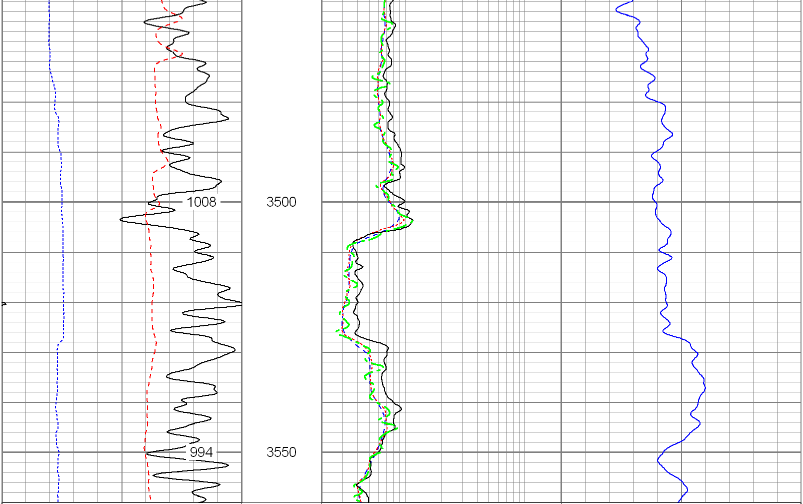
Comments

Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy Services!!

NO REPEAT DUE TO HOLE CONDITIONS

Database File:	13171.db
Dataset Pathname:	Final
Presentation Format:	pdc1
Dataset Creation:	Wed Oct 10 20:17:10 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
70 SP (mV) 170	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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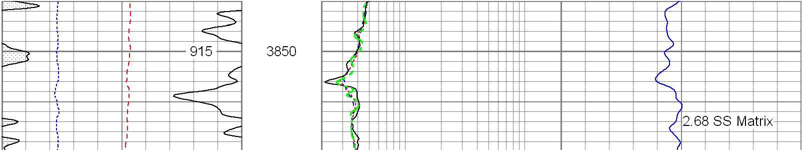

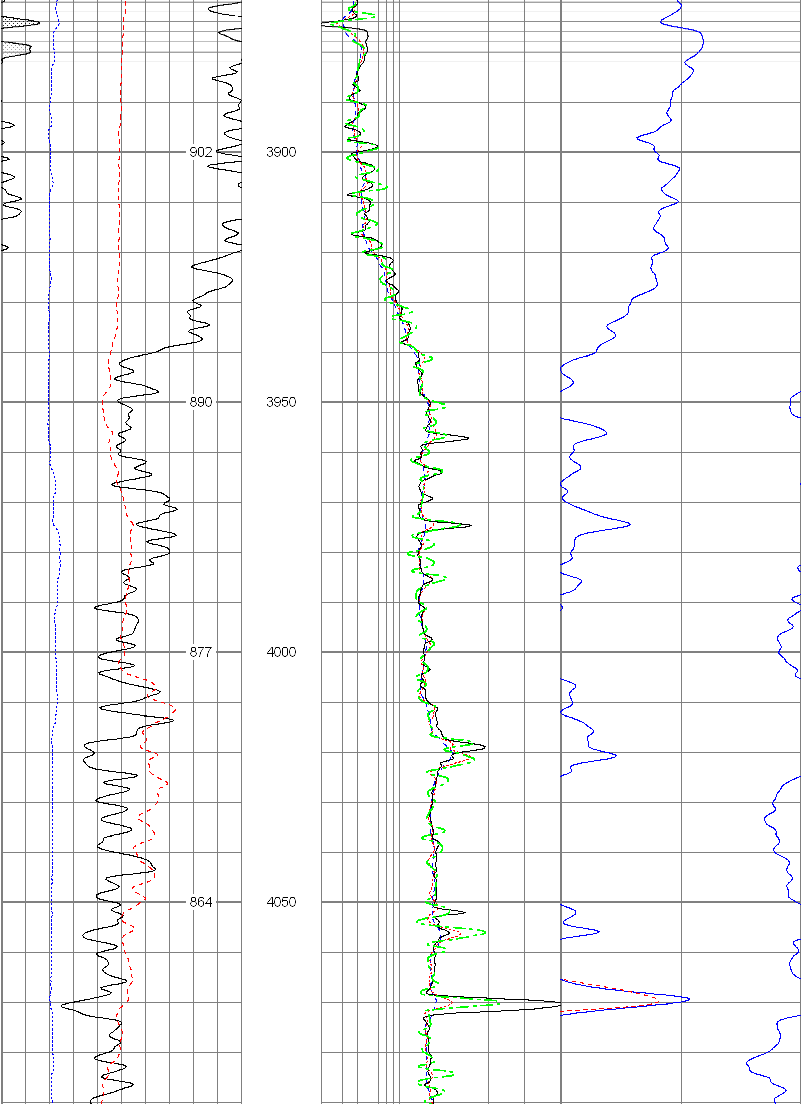

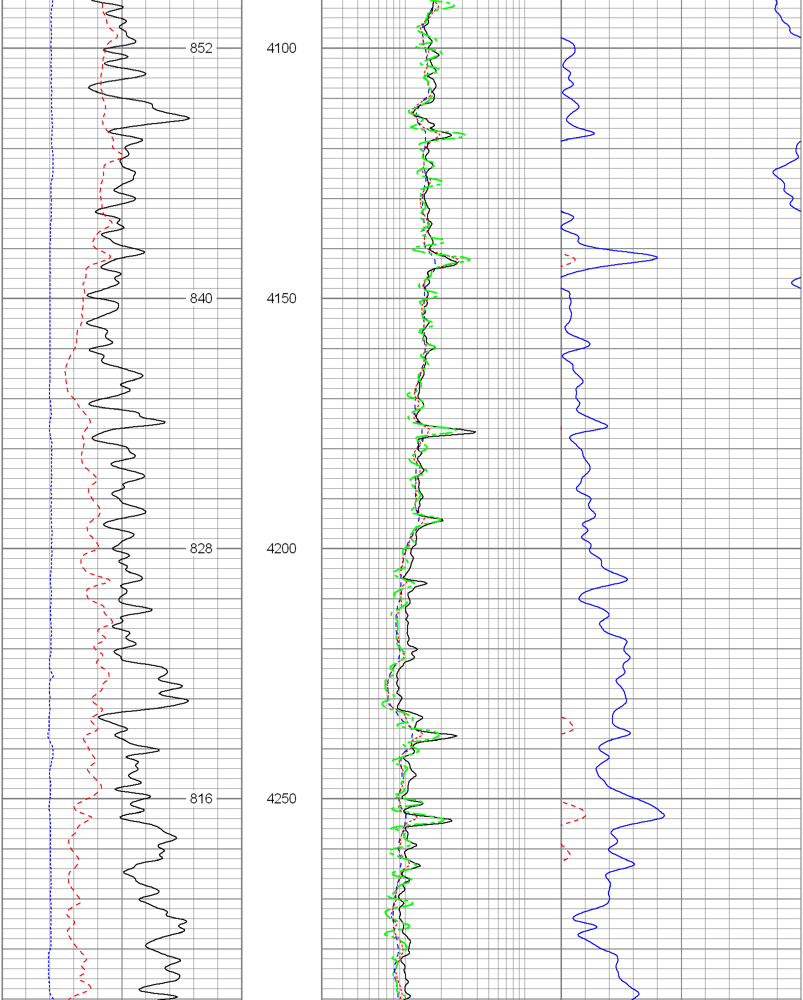

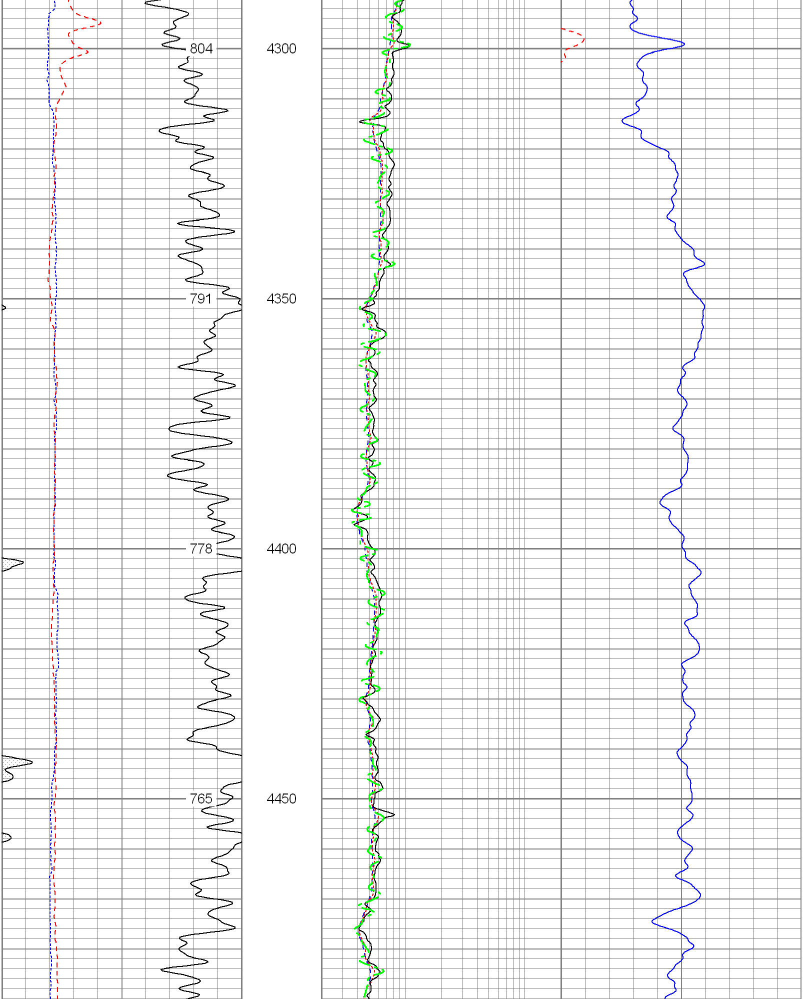

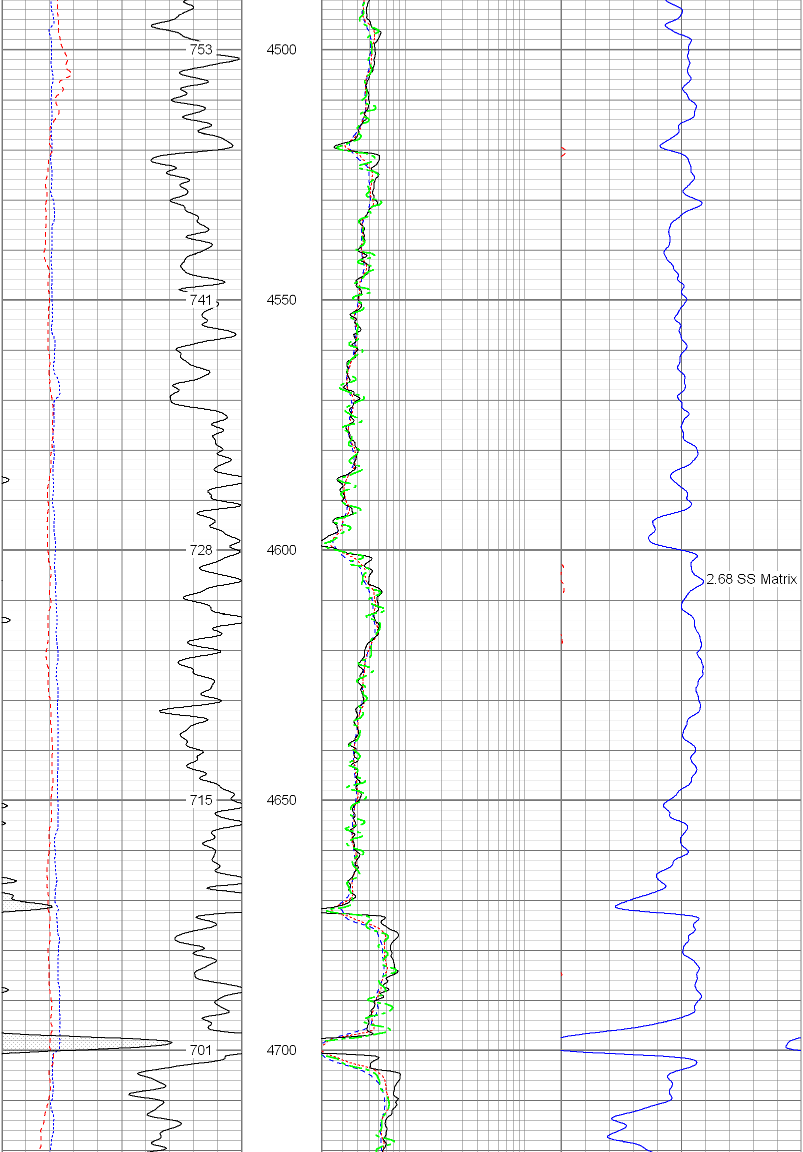

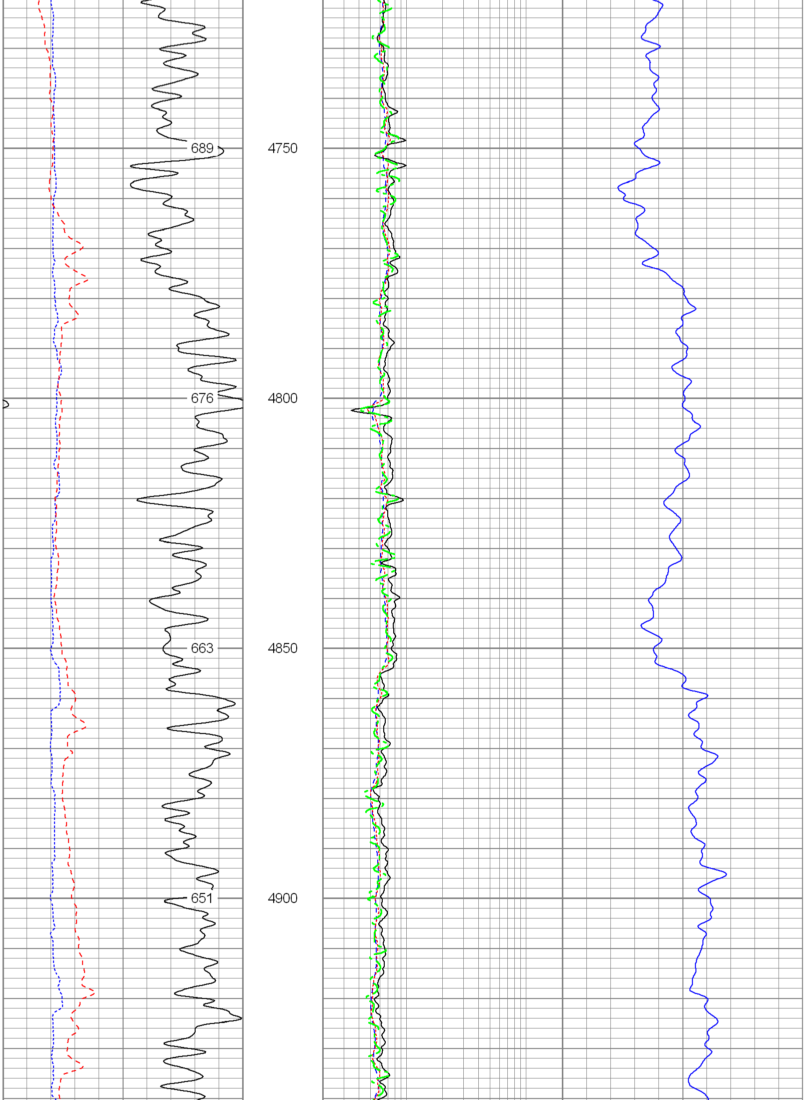

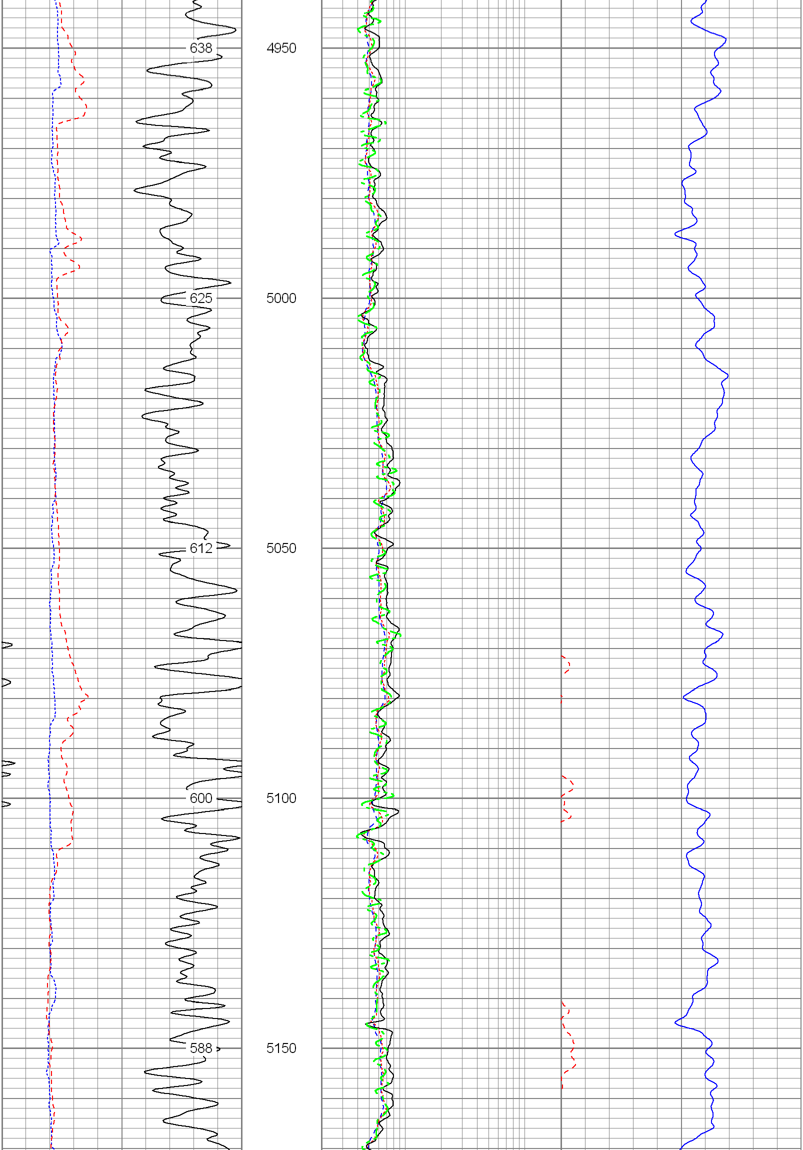

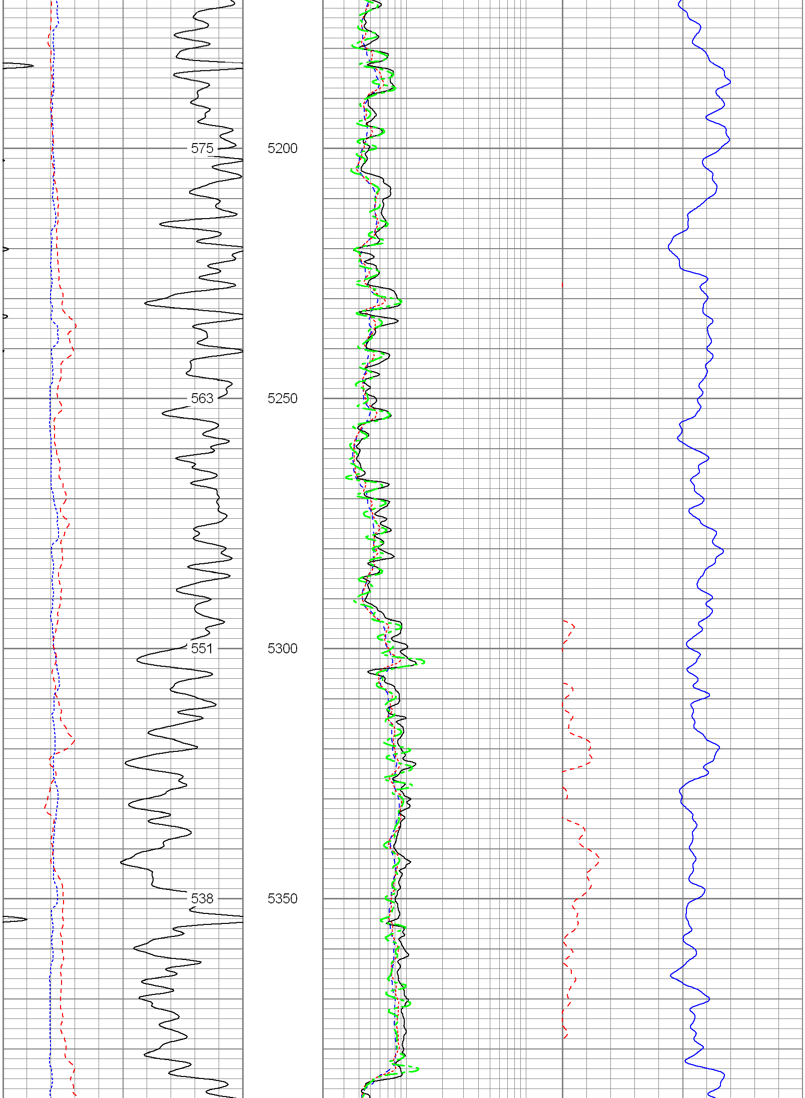

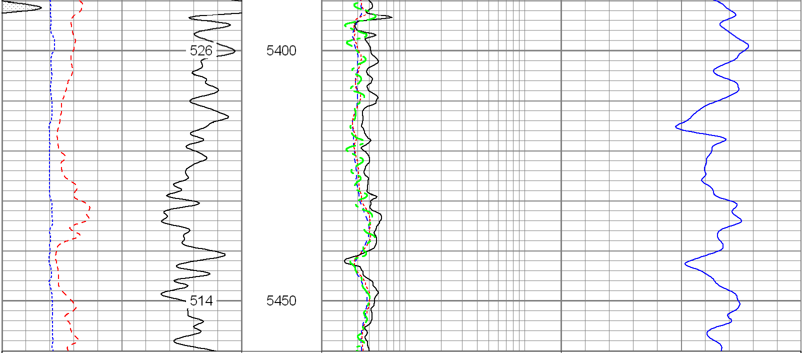

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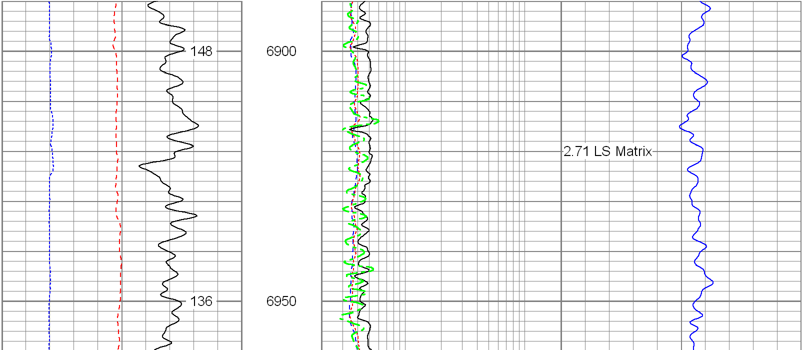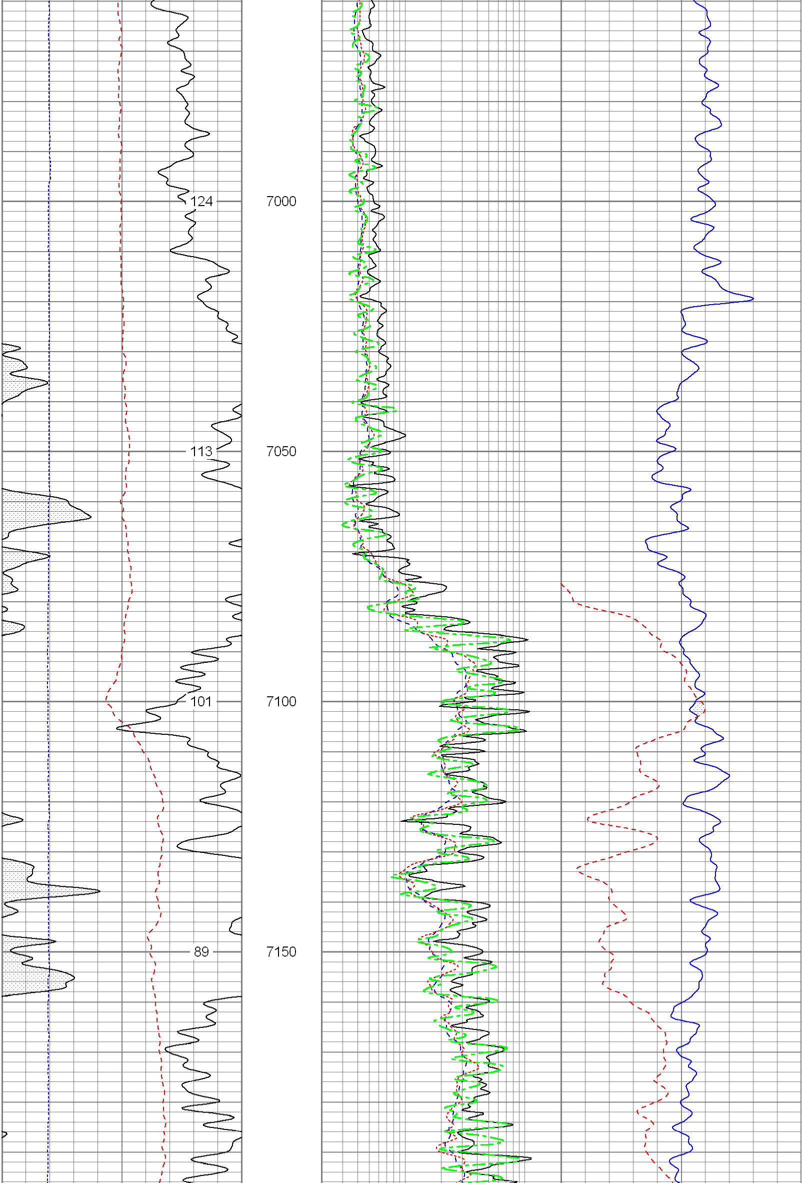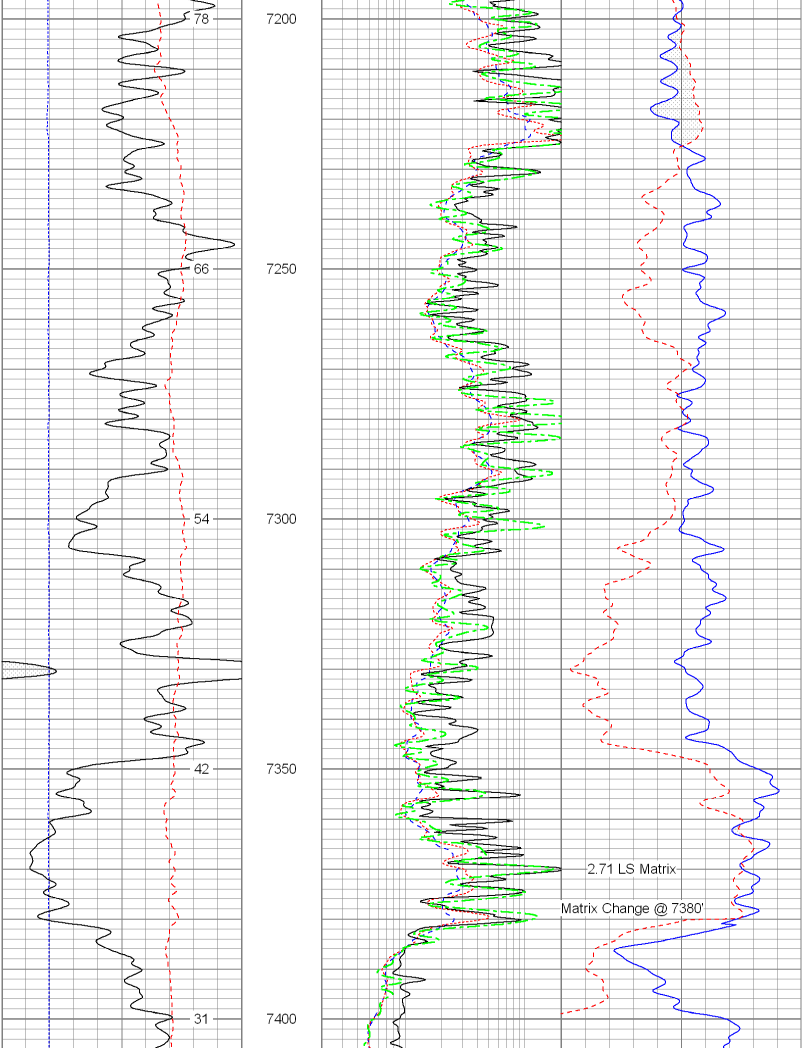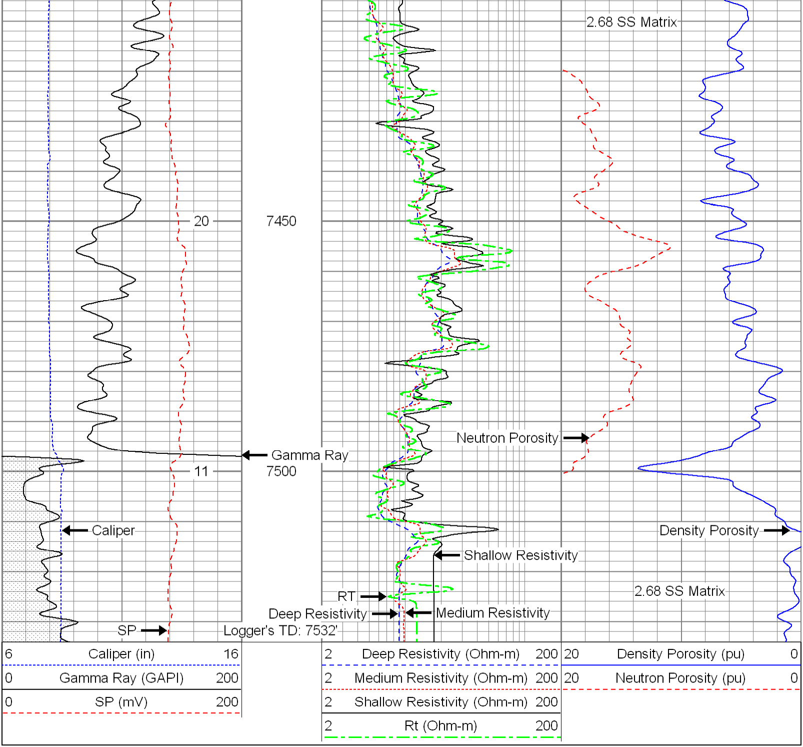6 Caliper (in) 16		2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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