PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company Great Western Oil & Gas LLC
Well Andrews 26-14
Field Wattenberg
County Weld
State Colorado

Company	Great Western Oil & Gas LLC		
Well	Andrews 26-14		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123360380000

SHL: 910' FSL & 1427' FWL SESW
BHL: 728' FSL & 634' FWL SWSW

SEC 26 TWP 7N RGE 65W

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

Other Services

None

Elevation

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

Date	October 14, 2012		
Run Number	1		
Depth Driller	7409		
Depth Logger	7409		
Bottom Logged Interval	7409		
Top Log Interval	Casing		
Casing Driller	727		
Casing Logger	727		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 50		
pH / Fluid Loss	8.5 / 10.0		
Source of Sample	Mudpit		
Rm @ Meas. Temp	3.27 @ 65 F		
Rmf @ Meas. Temp	2.53 @ 65 F		
Rmc @ Meas. Temp	4.00 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.05 @ 209 F		
Time Circulation Stopped	1945 10/13/12		
Time Logger on Bottom	0230		
Maximum Recorded Temperature	209 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Clint Christensen		
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

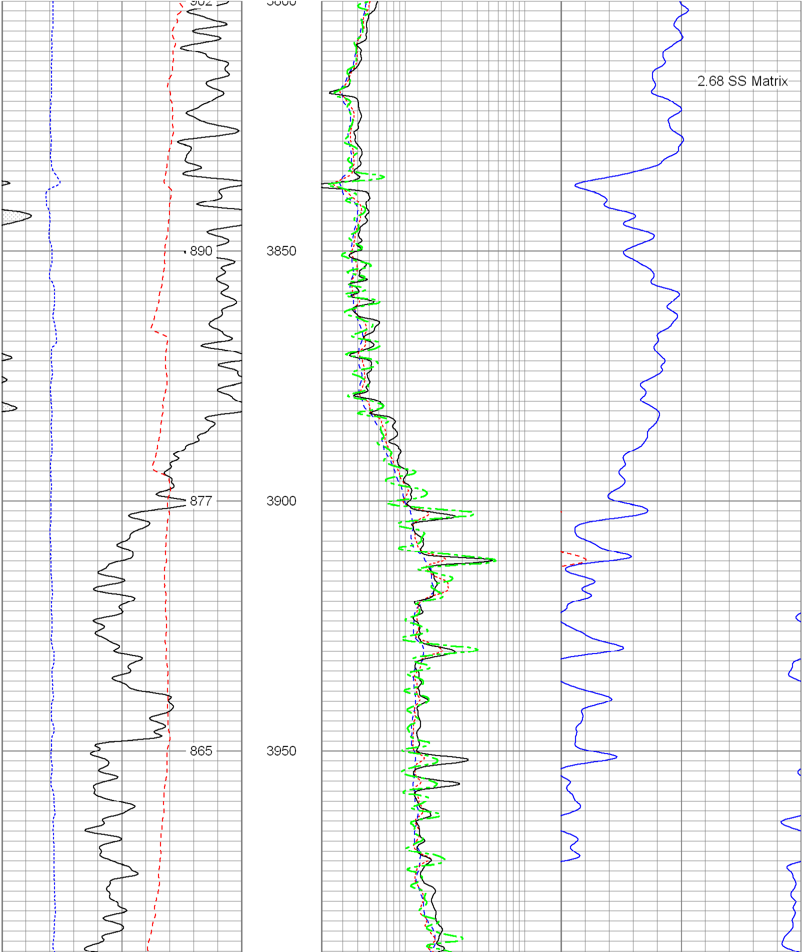
Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy Services!!!
No Repeat Due to Hole Conditions.

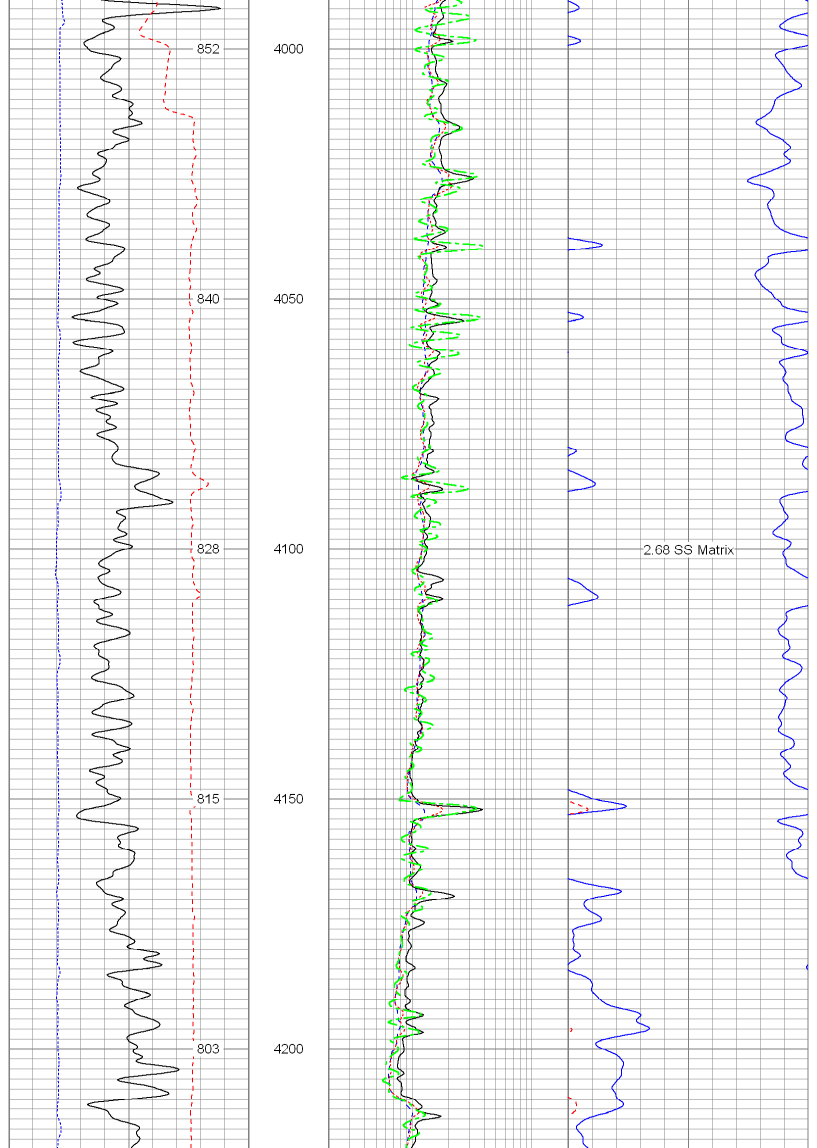
Database File: 13173.db
Dataset Pathname: final00
Presentation Format: pdc1
Dataset Creation: Sun Oct 14 03:25:43 2012
Charted by: Depth in Feet scaled 1:240

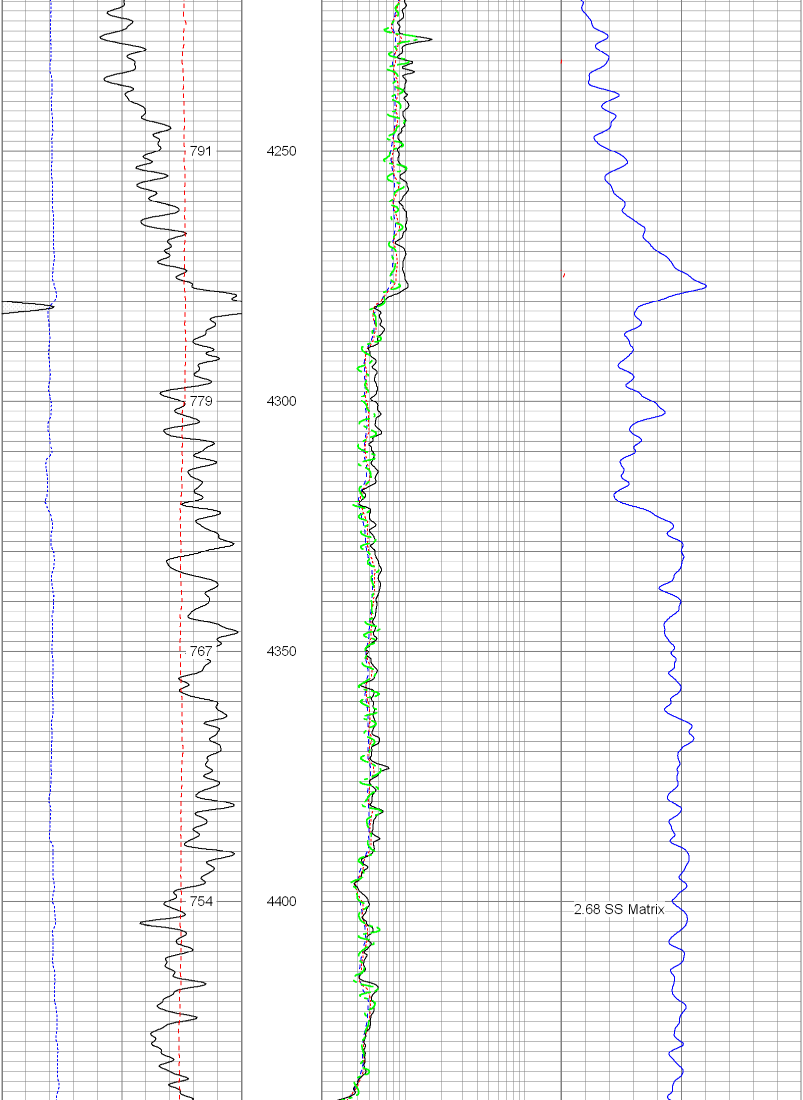
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
60 SP (mV) 160
ABHV (ft3)

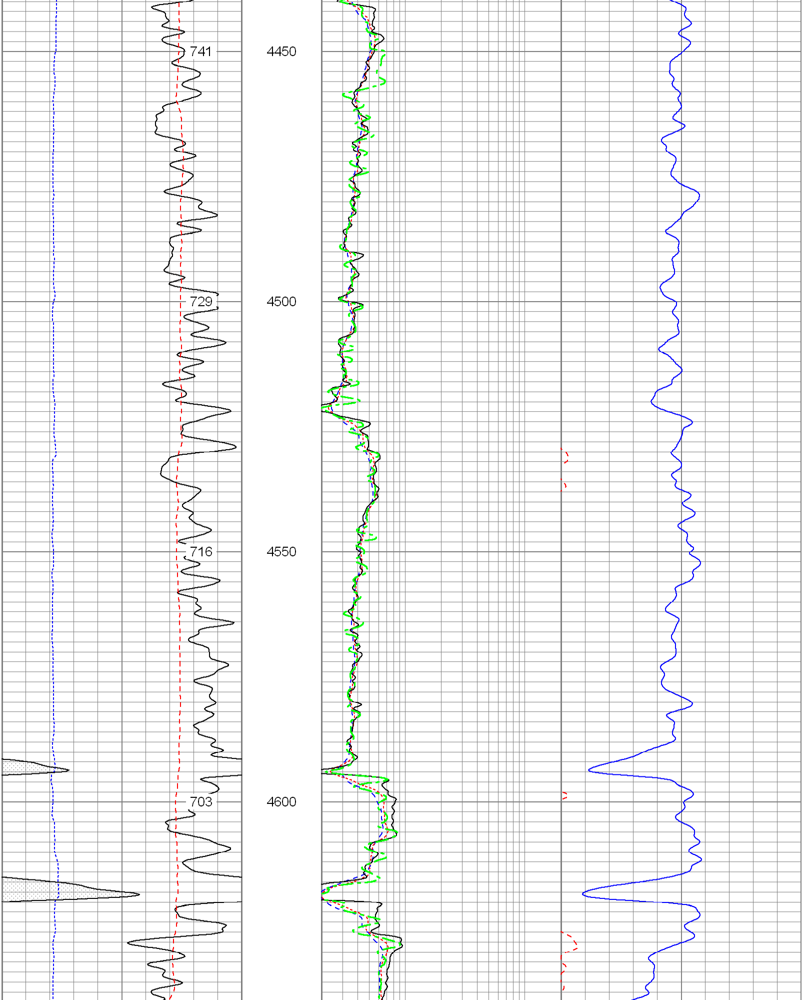
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

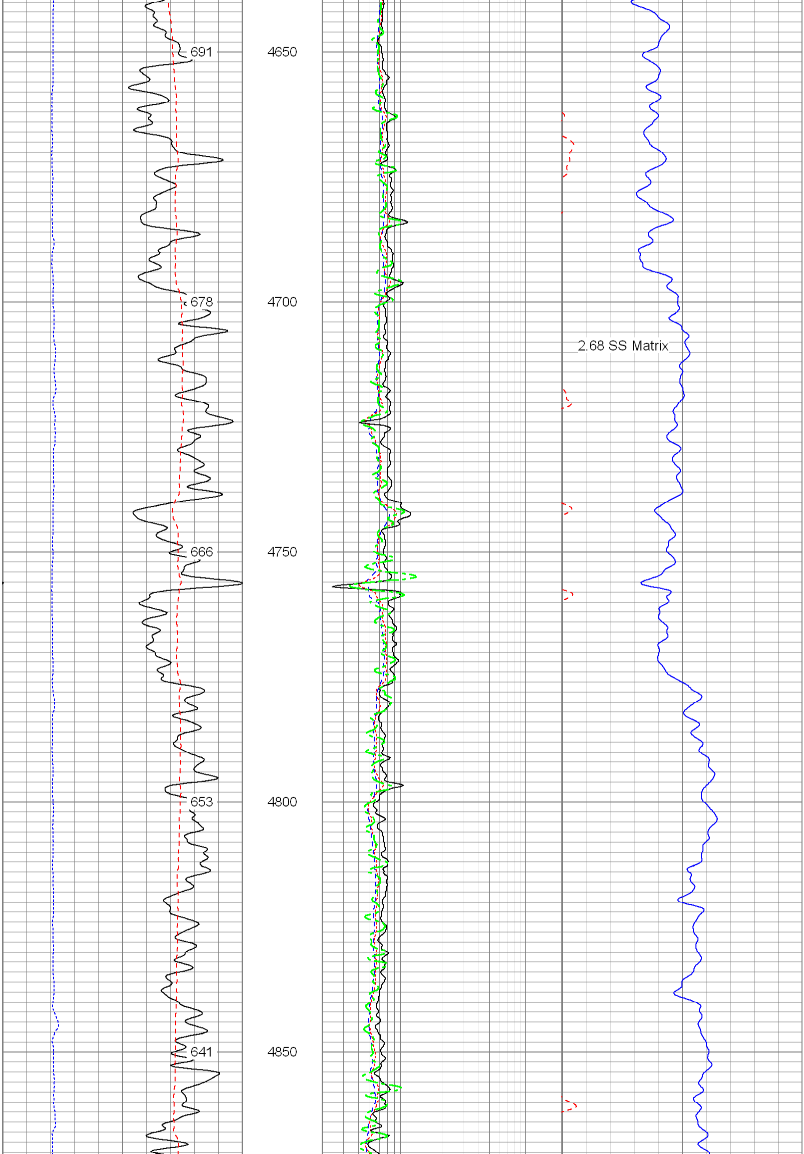
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

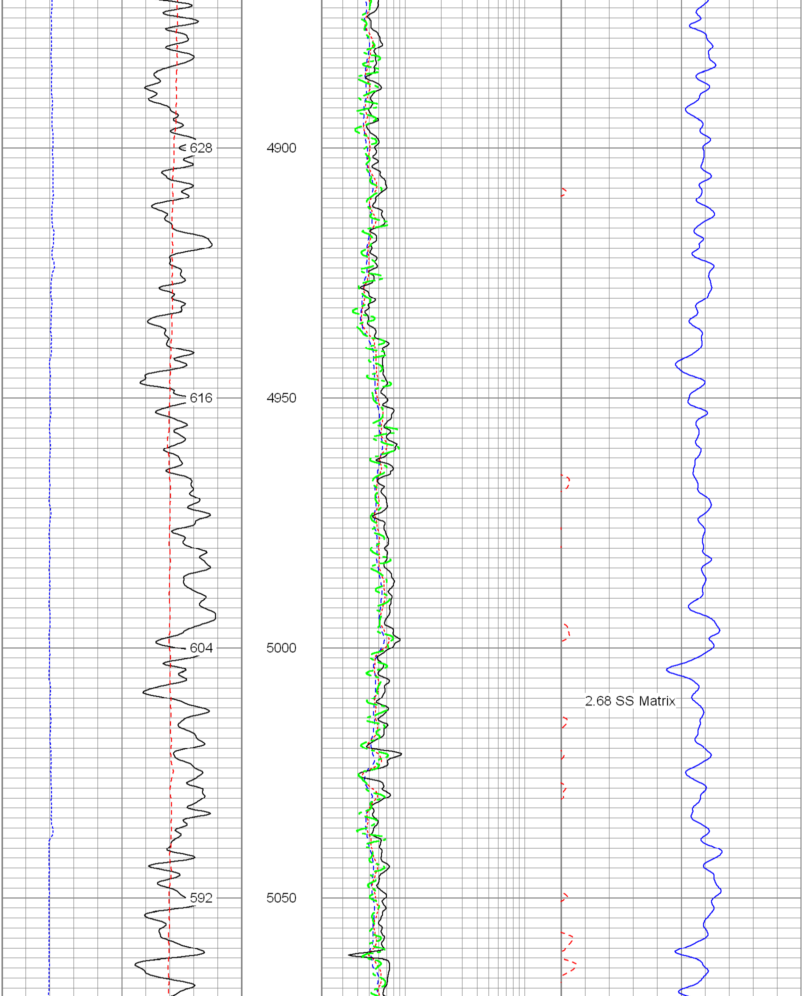


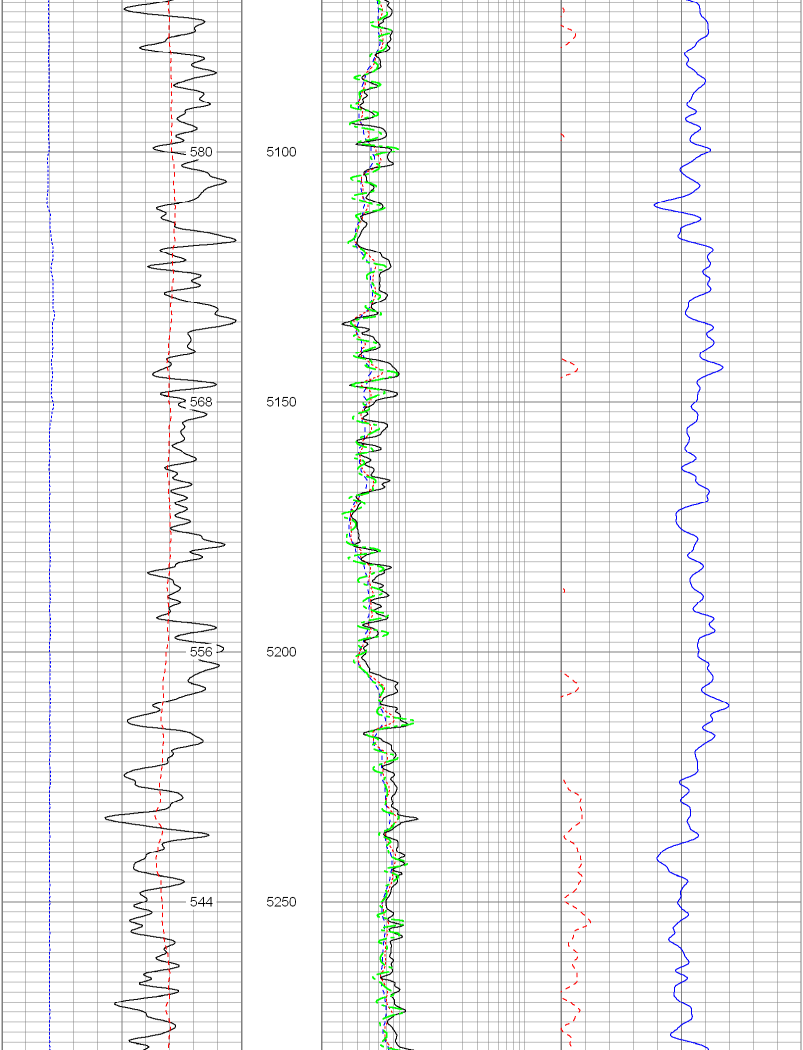


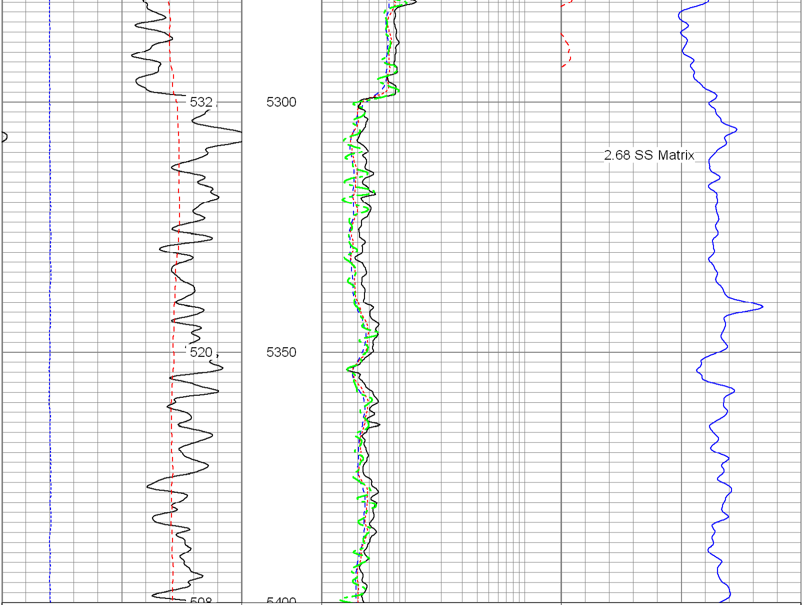












6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
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60	SP (mV)	160	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)		2	Rt (Ohm-m)	200			

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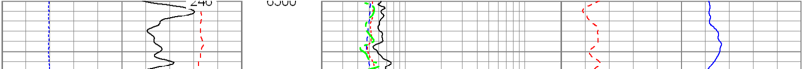

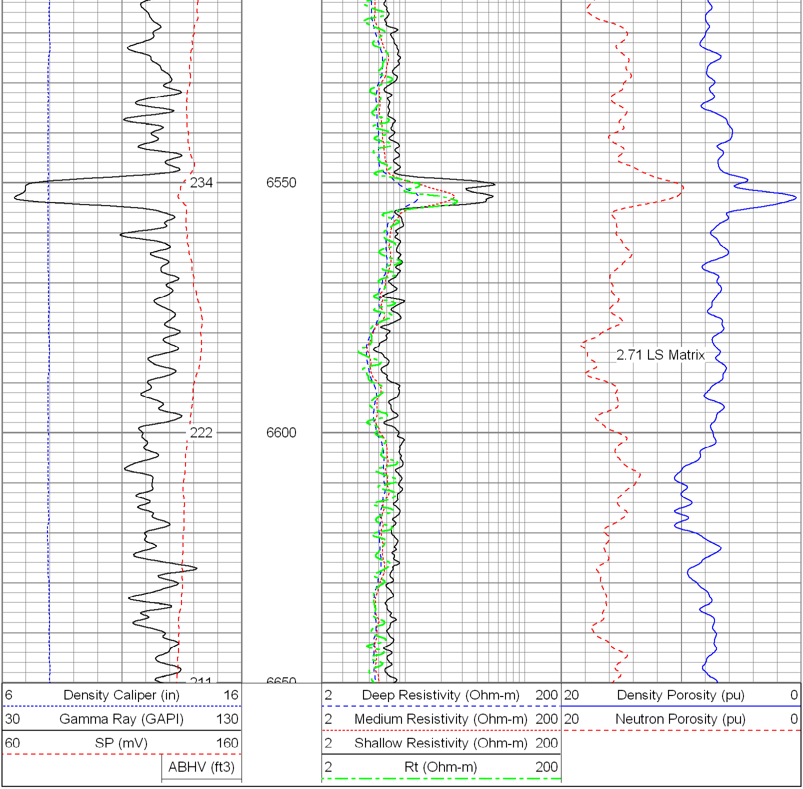

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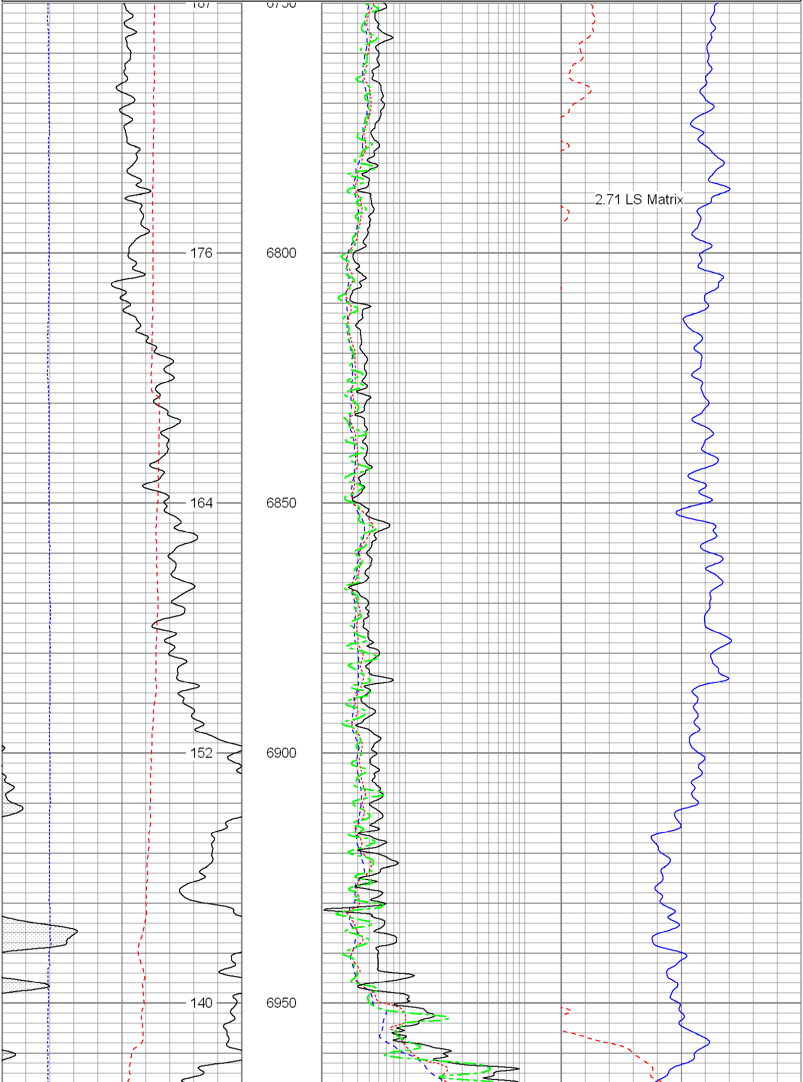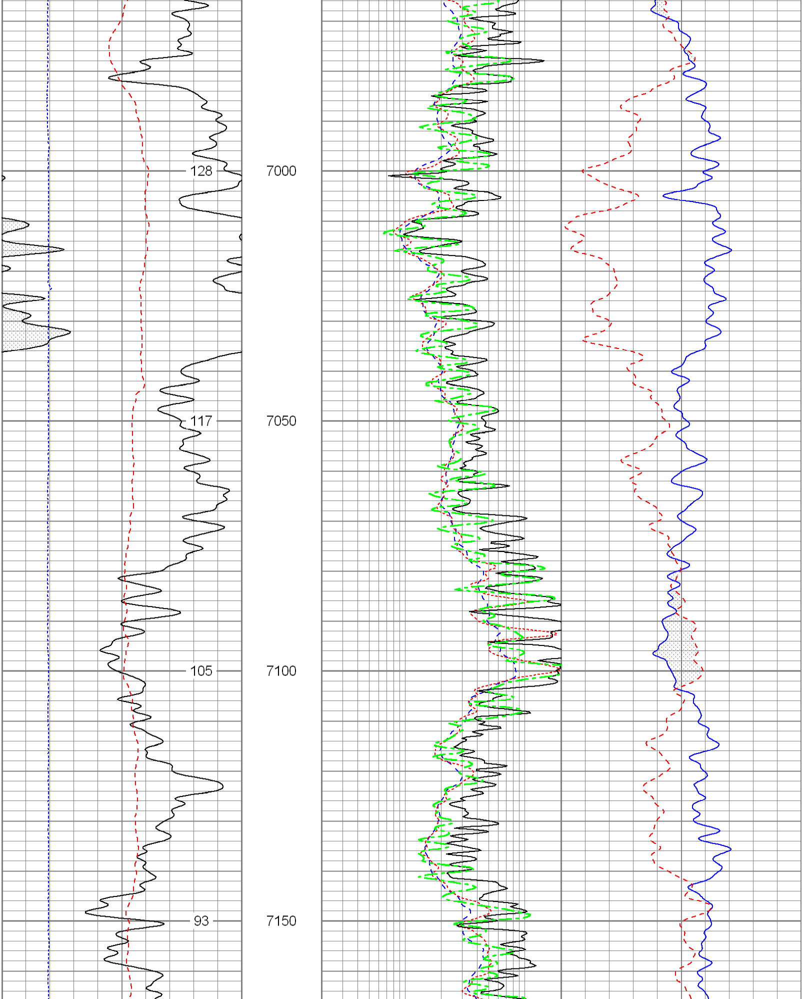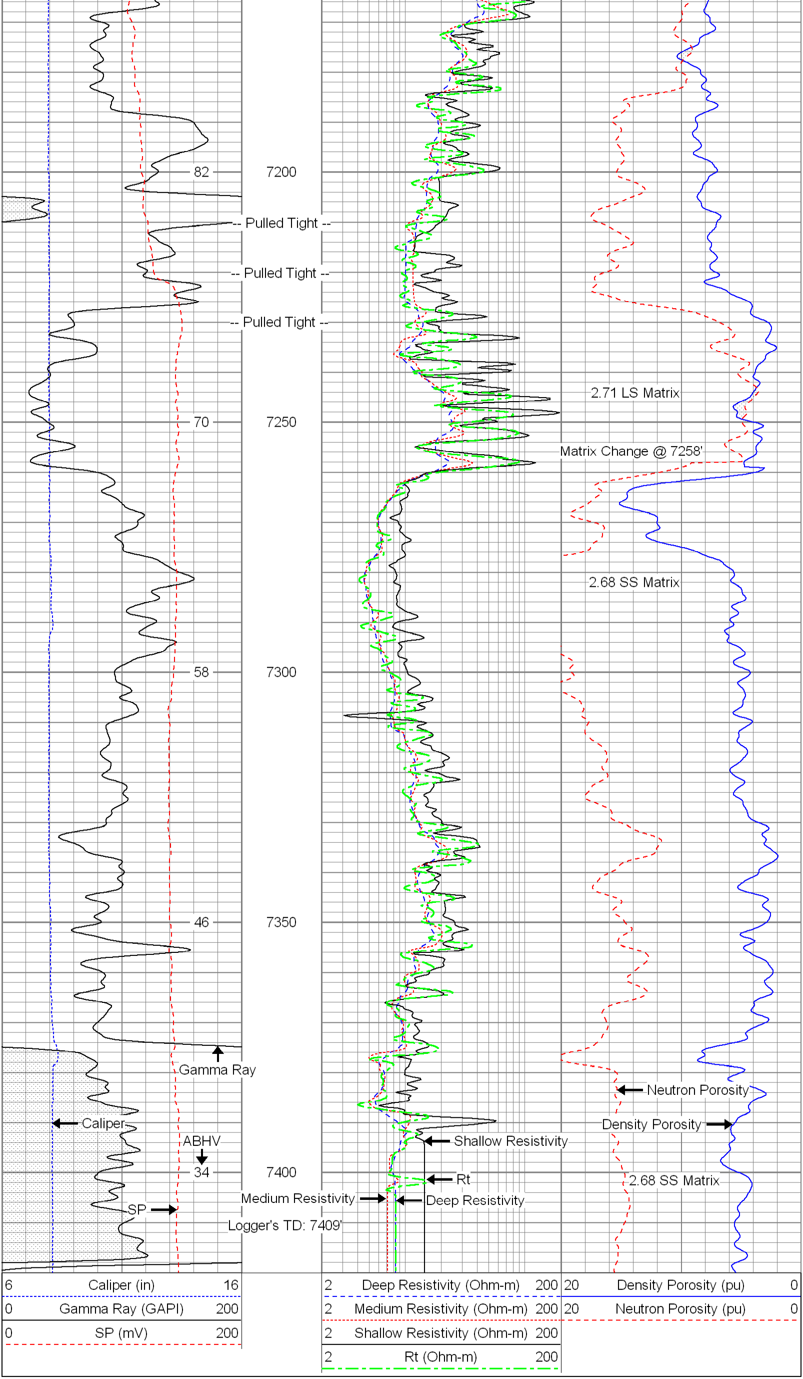20 Density Porosity (pu) 0
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