PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company	Great Western Oil & Gas LLC
Well	Great Western 25-22-14
Field	Wattenberg
County	Weld
State	Colorado

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Well	**Great Western 25-22-14**		
Field	**Wattenberg**		
County	**Weld**	**State**	**Colorado**

Location: API # : 05123357040000

SHL: 2348' FSL & 1068' FWL NW SW
BHL: 2572' FNL & 1316' FWL SW NW

SEC 25 TWP 6N RGE 67W

Other Services
None

Permanent Datum	GL	Elevation	4751
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4765
D.F. 4764
G.L. 4751

Date	August 17, 2012		
Run Number	1		
Depth Driller	7282		
Depth Logger	7282		
Bottom Logged Interval	7282		
Top Log Interval	Casing		
Casing Driller	733		
Casing Logger	733		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.1 / 55		
pH / Fluid Loss	8.0 / 13.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.21 @ 71 F		
Rmf @ Meas. Temp	2.54 @ 71 F		
Rmc @ Meas. Temp	3.88 @ 71 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.21 @ 206 F		
Time Circulation Stopped	0800		
Time Logger on Bottom	1230		
Maximum Recorded Temperature	206 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Shawn Armstrong	John Adams	

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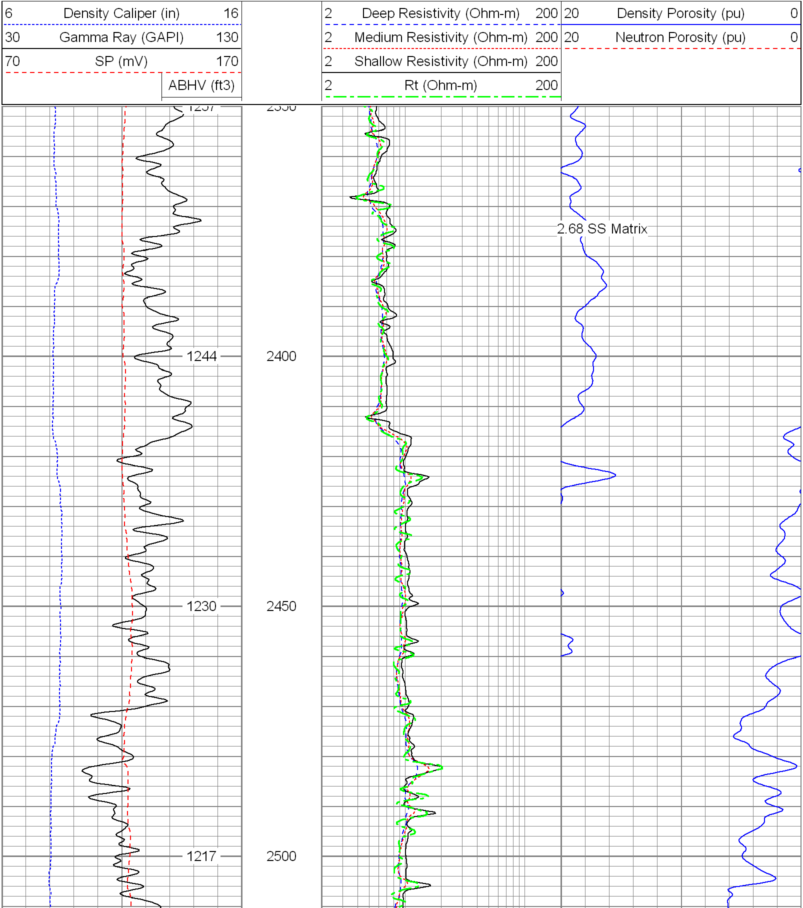
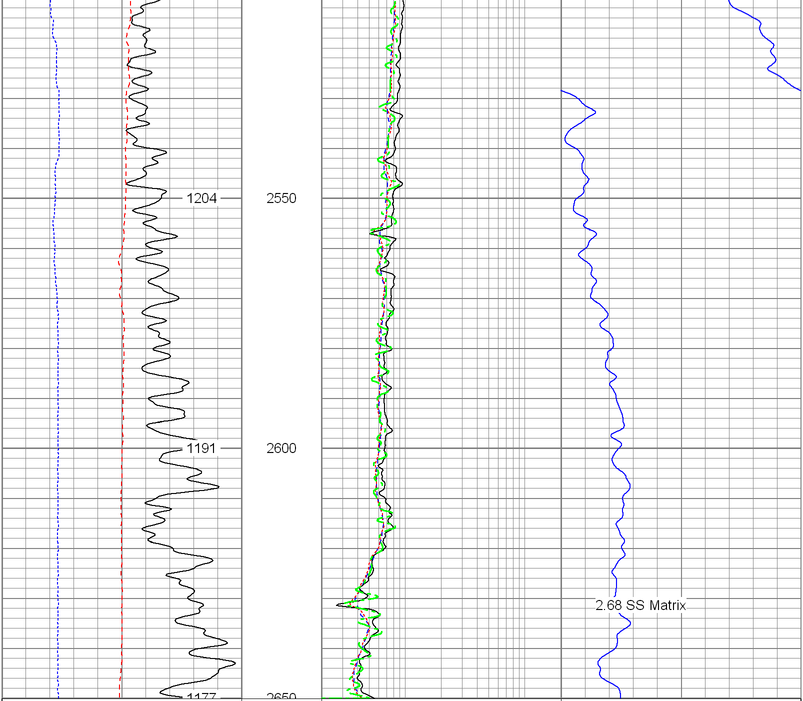
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, 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!!
API #: 05-123-35704-00

Database File: 13022.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Fri Aug 17 12:56:06 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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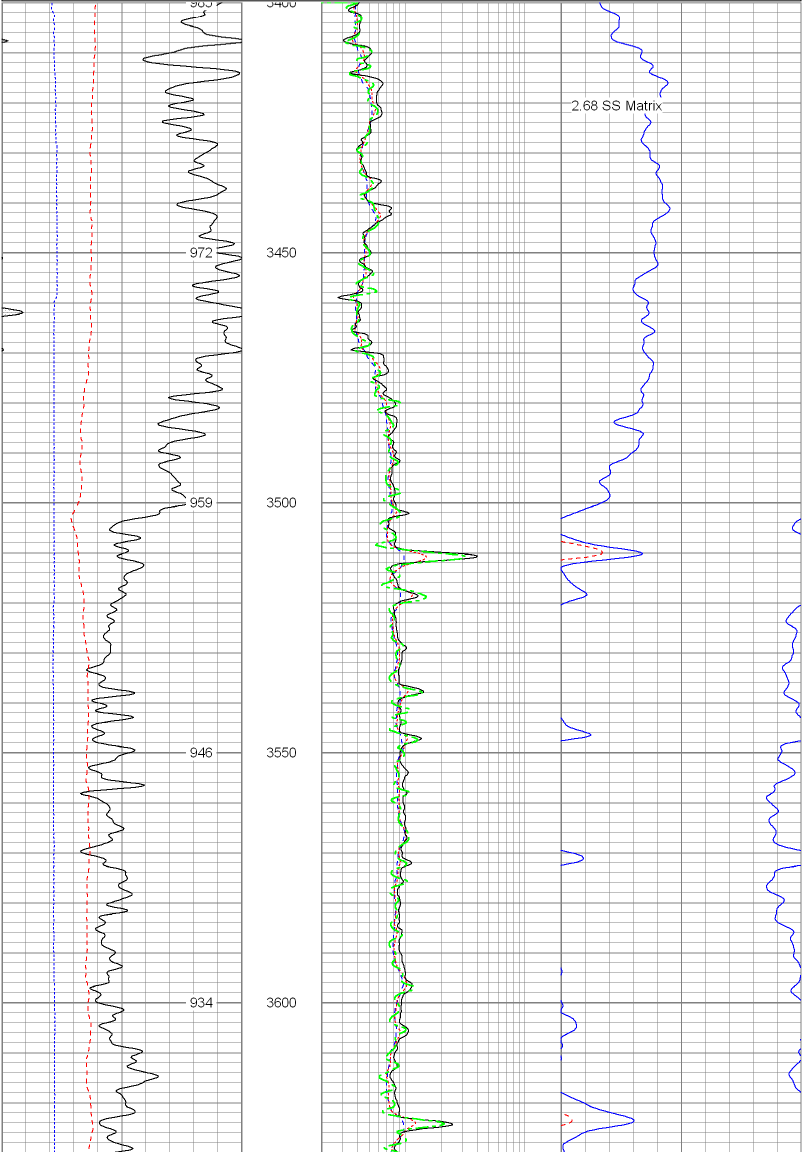

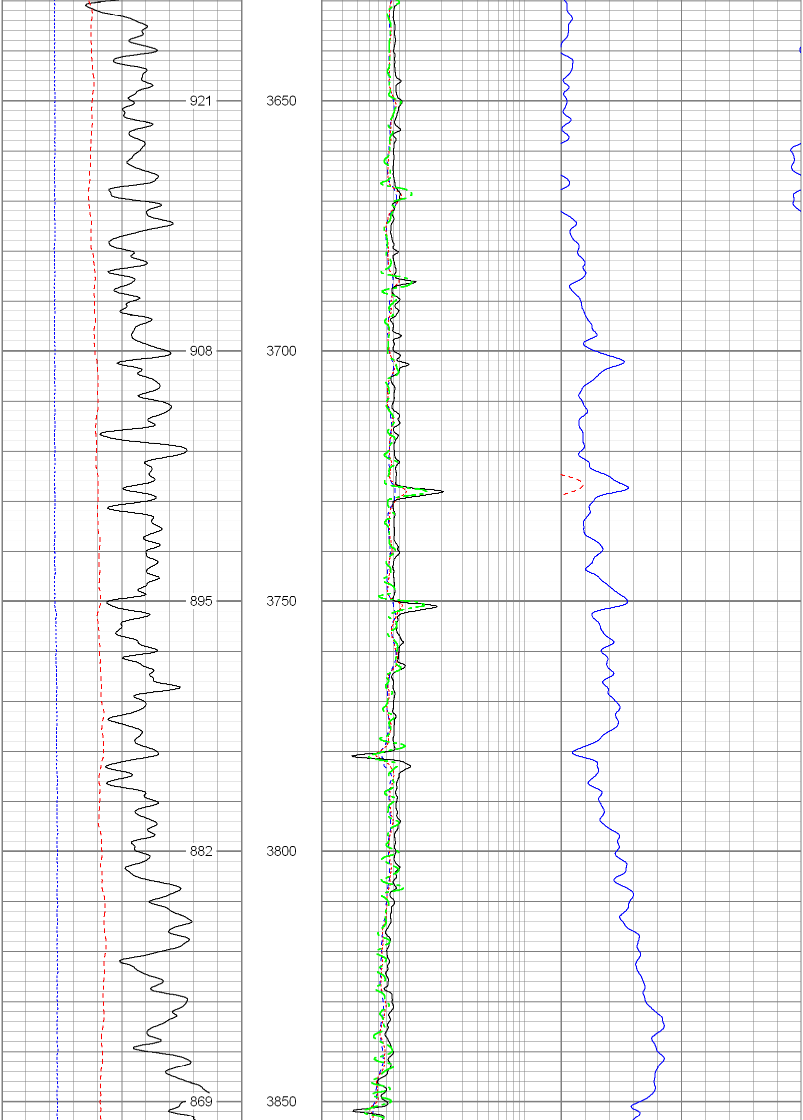

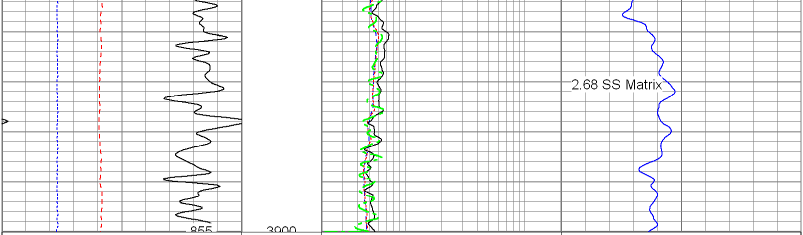

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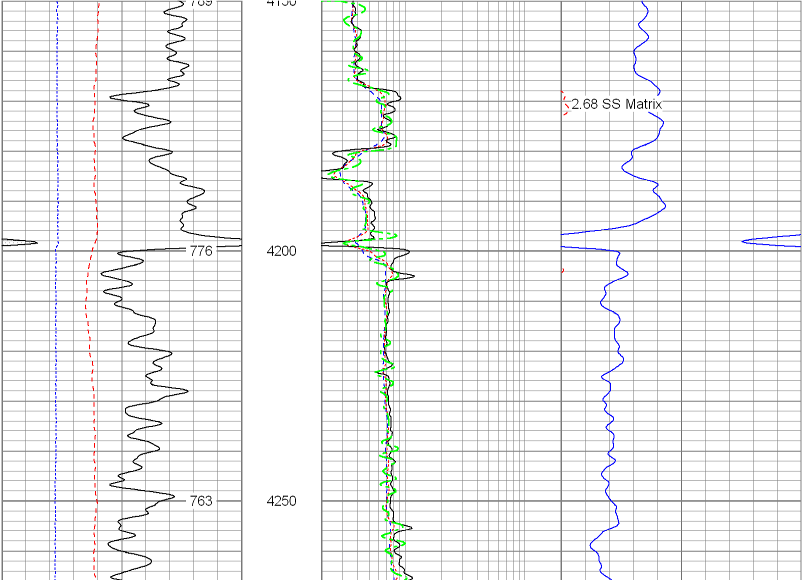

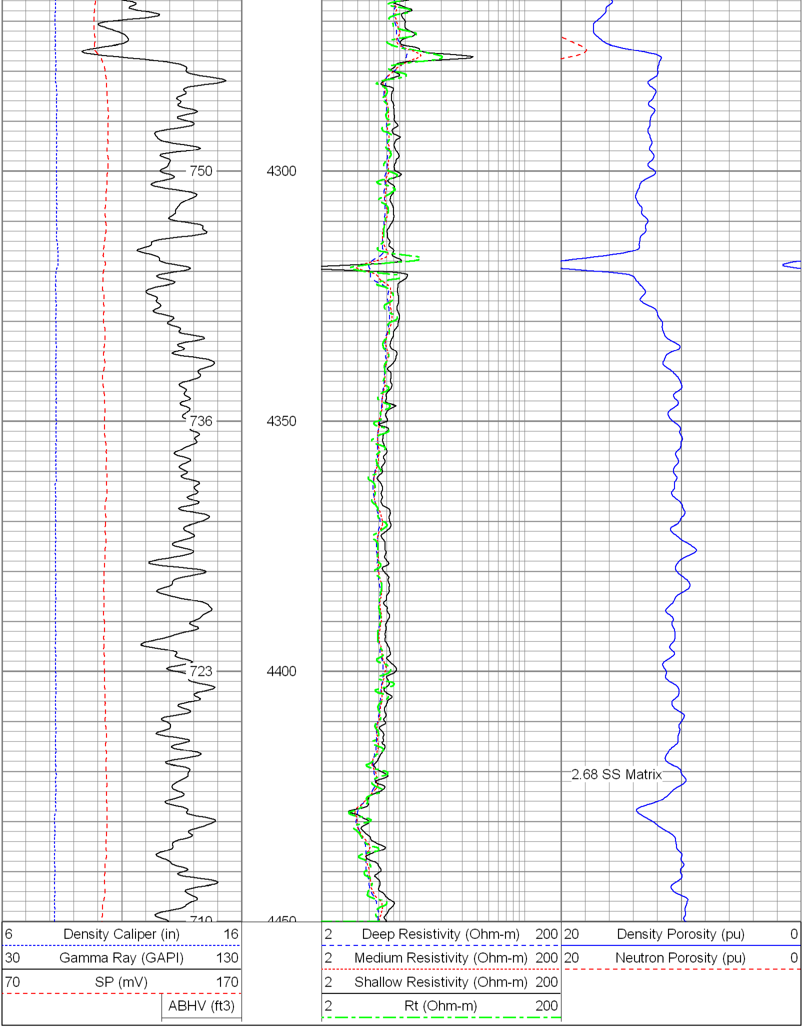

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	ABHV (ft3)	

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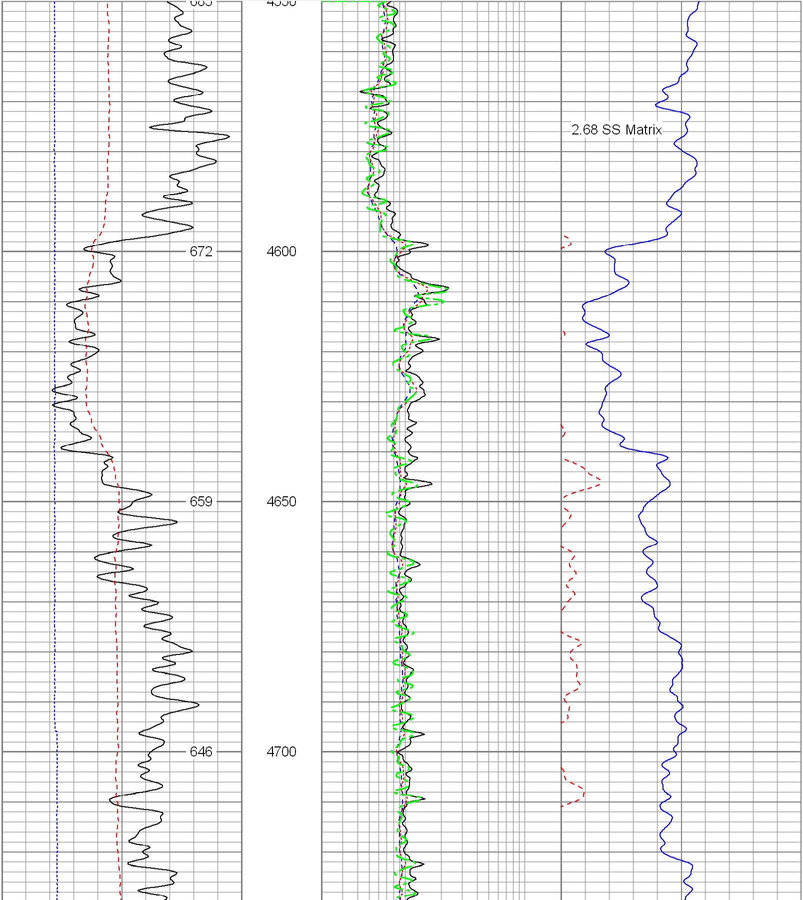
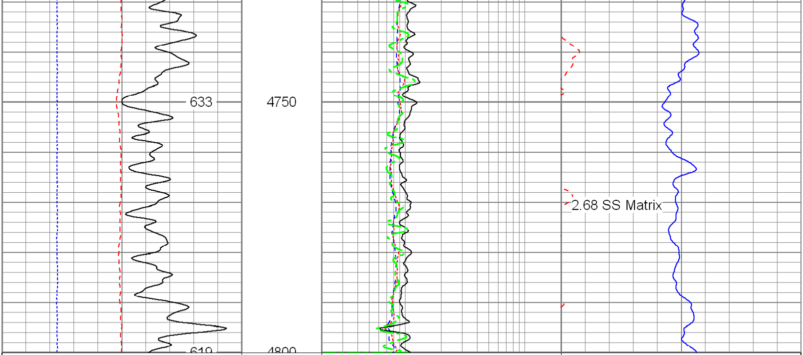
2	Rt (Ohm-m)	200

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





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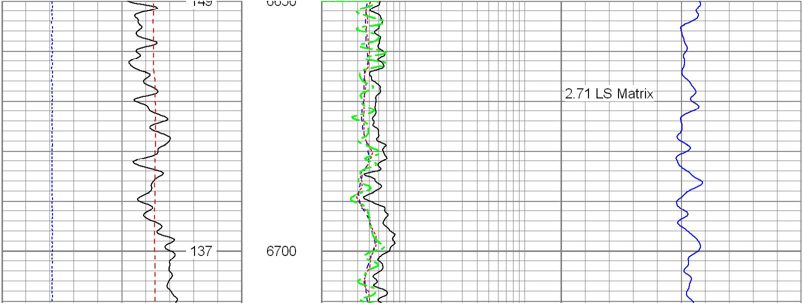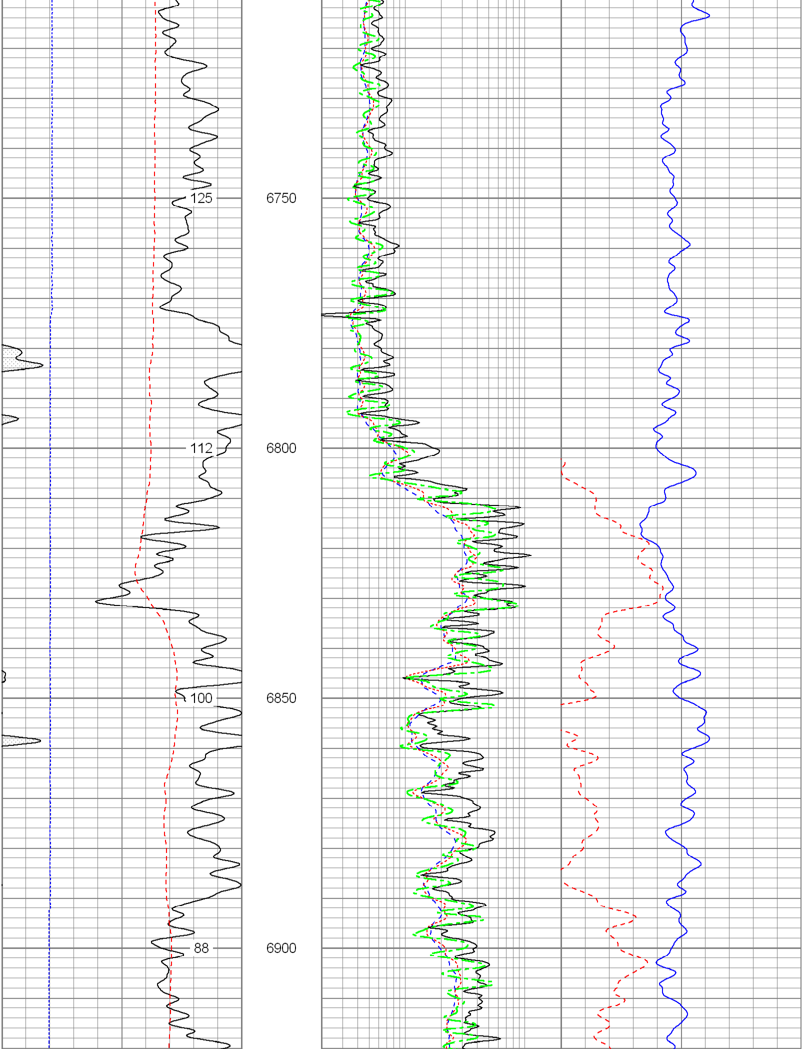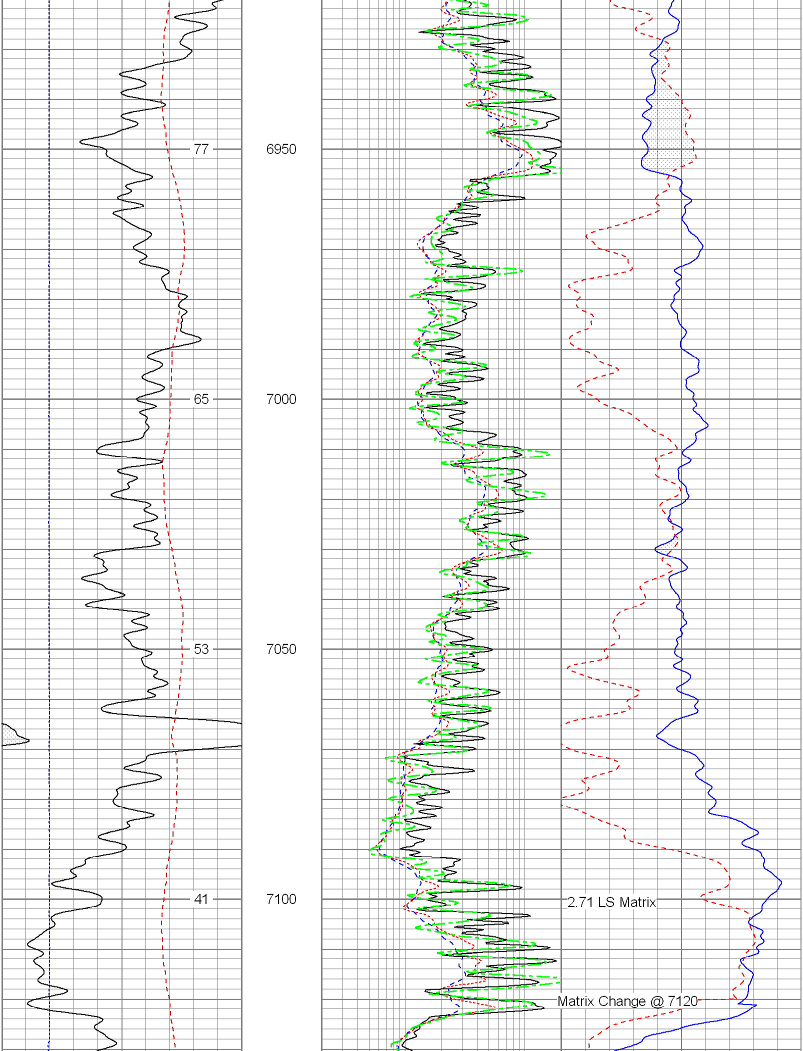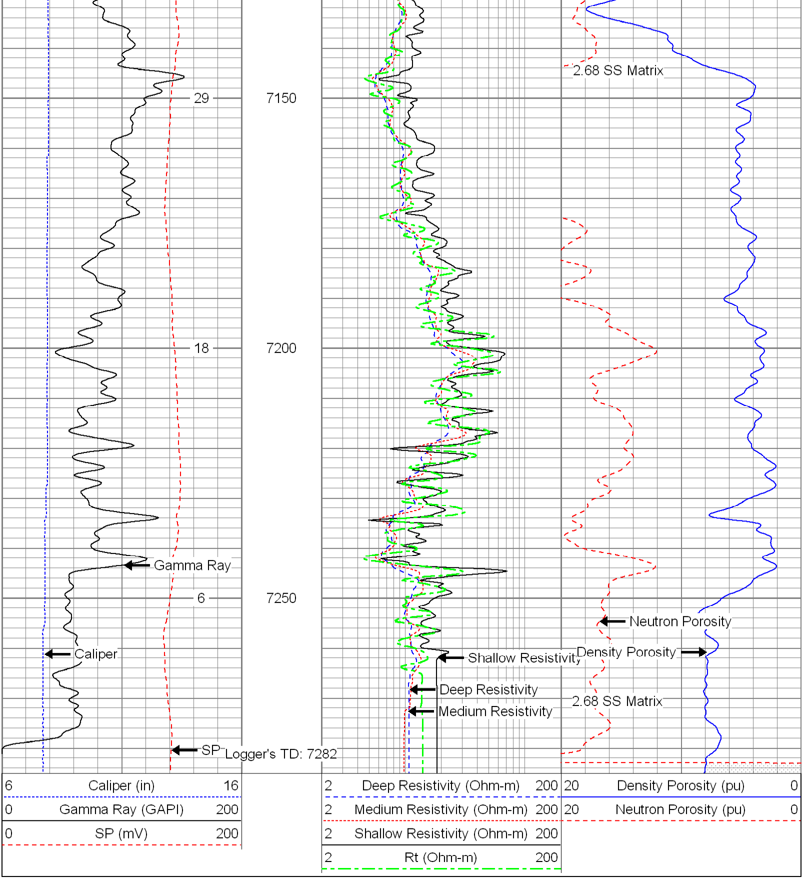20 Neutron Porosity (pu) 0