PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company Sundance Energy Inc.
Well HFE 34-22
Field Wattenberg
County Weld
State Colorado

Company	Sundance Energy Inc.		
Well	HFE 34-22		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123361280000

SHL: 1120' FSL & 2286' FEL SWSE
BHL: 682' FSL & 2002' FEL SWSE
SEC 22 TWP 4N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation	4942
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4958
D.F. 4957
G.L. 4942

Date	October 7, 2012		
Run Number	1		
Depth Driller	7490		
Depth Logger	7489		
Bottom Logged Interval	7489		
Top Log Interval	Casing		
Casing Driller	587		
Casing Logger	587		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 60		
pH / Fluid Loss	8.0 / 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 60 F		
Rmf @ Meas. Temp	2.32 @ 60 F		
Rmc @ Meas. Temp	3.48 @ 60 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.84 @ 207F		
Time Circulation Stopped	0130		
Time Logger on Bottom	0745		
Maximum Recorded Temperature	207 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Eral Hudson		

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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
Ensign Drilling Rig 55
Thank you for using Pioneer Energy Services!!

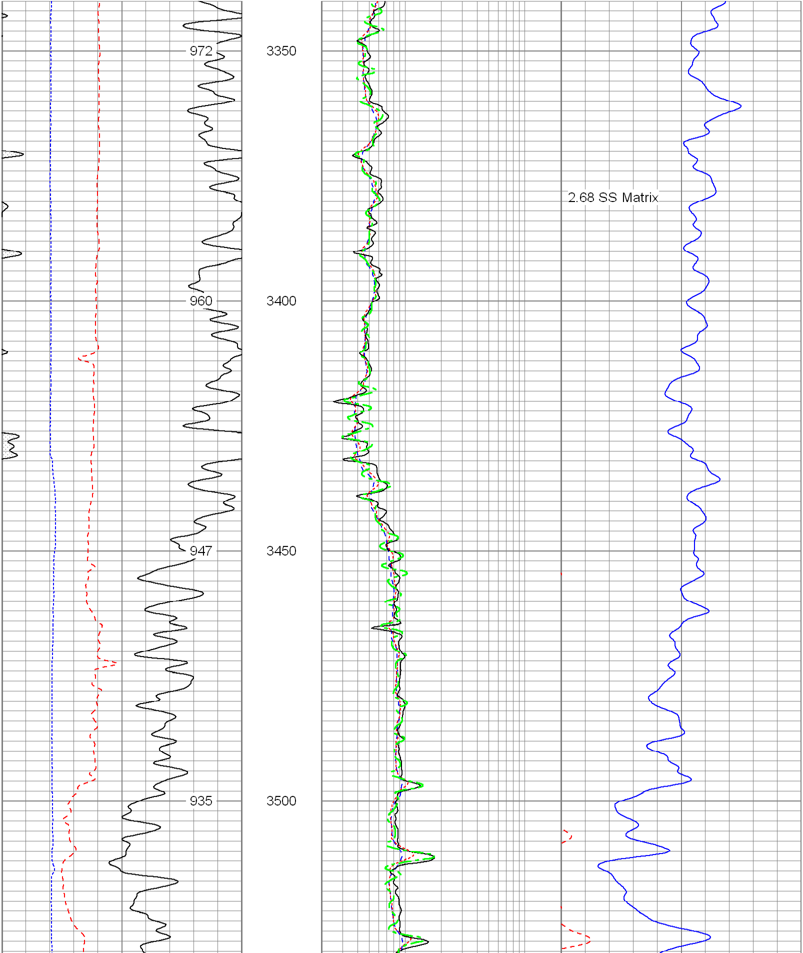
No Repeat Due to Hole Conditions

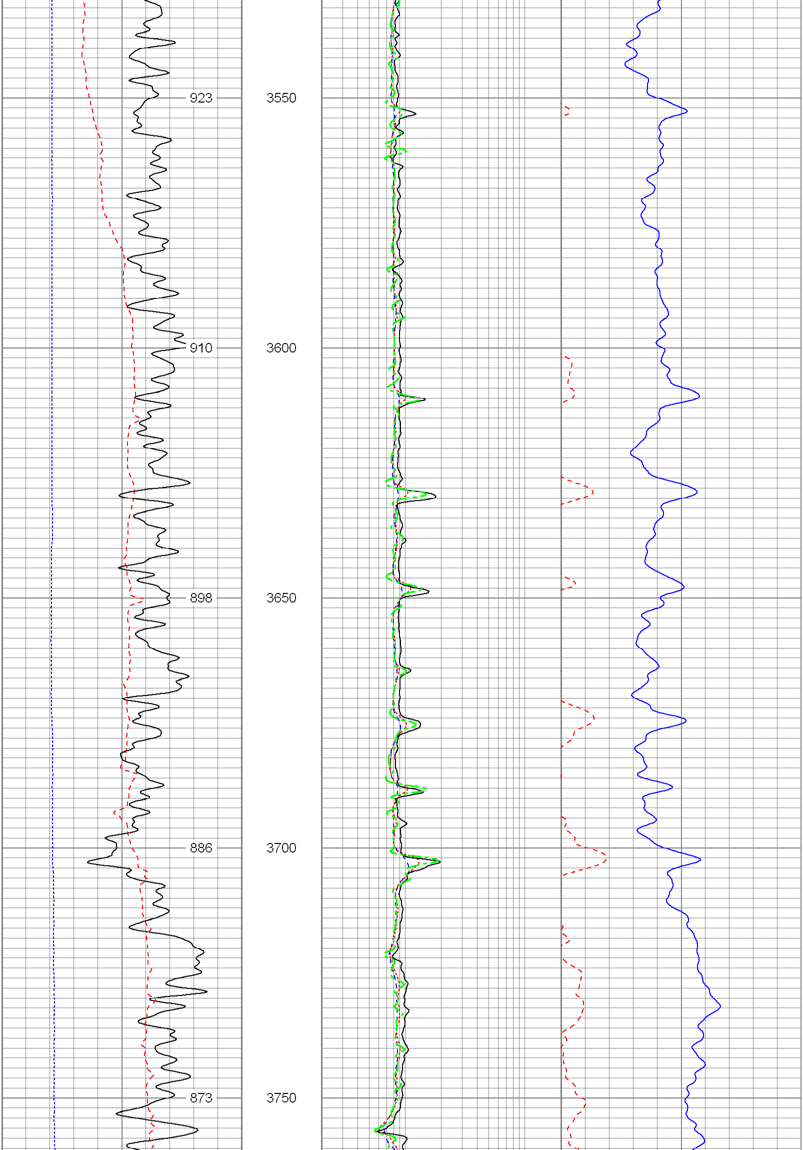
Database File: 13167.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sun Oct 07 07:34:50 2012
Charted by: Depth in Feet scaled 1:240

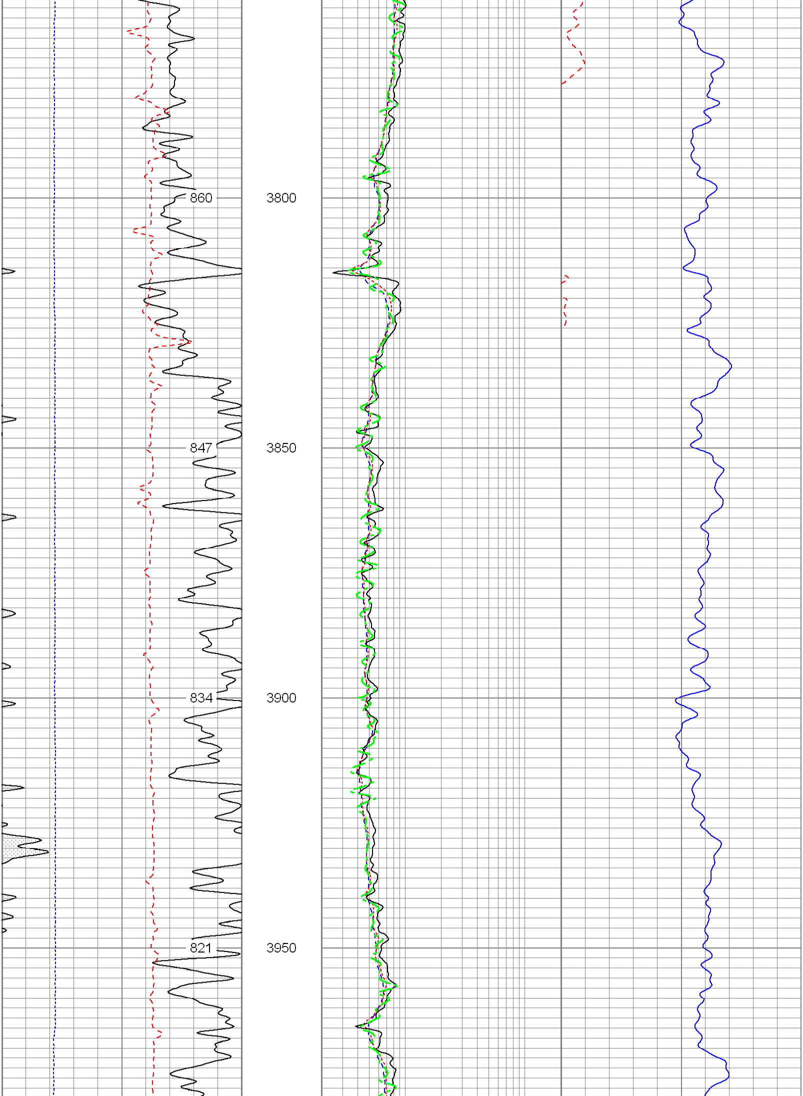
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
70 SP (mV) 170
ABHV (ft3)

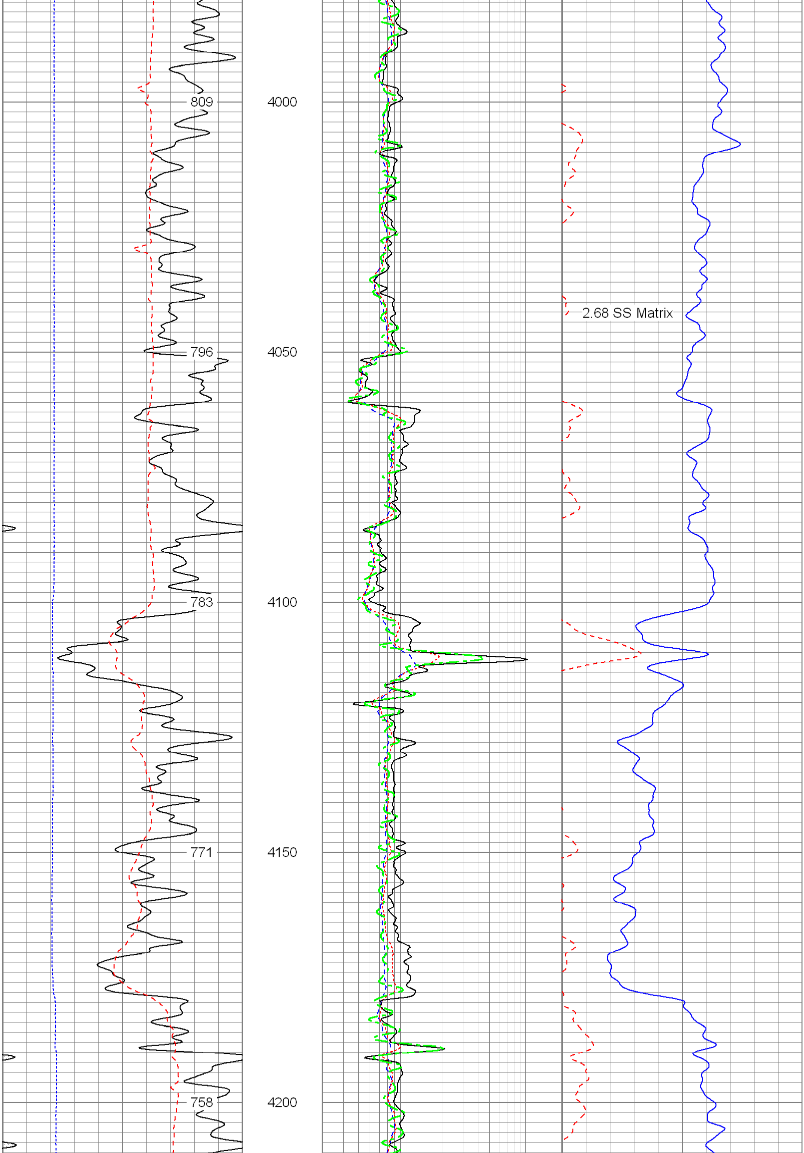
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

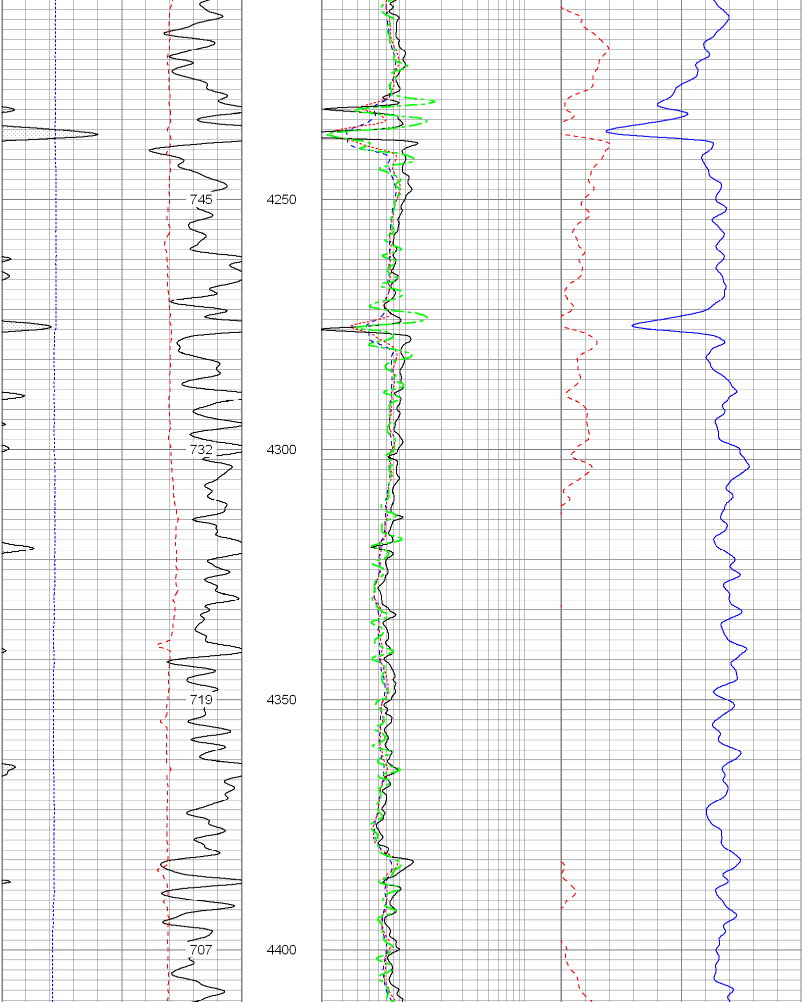
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

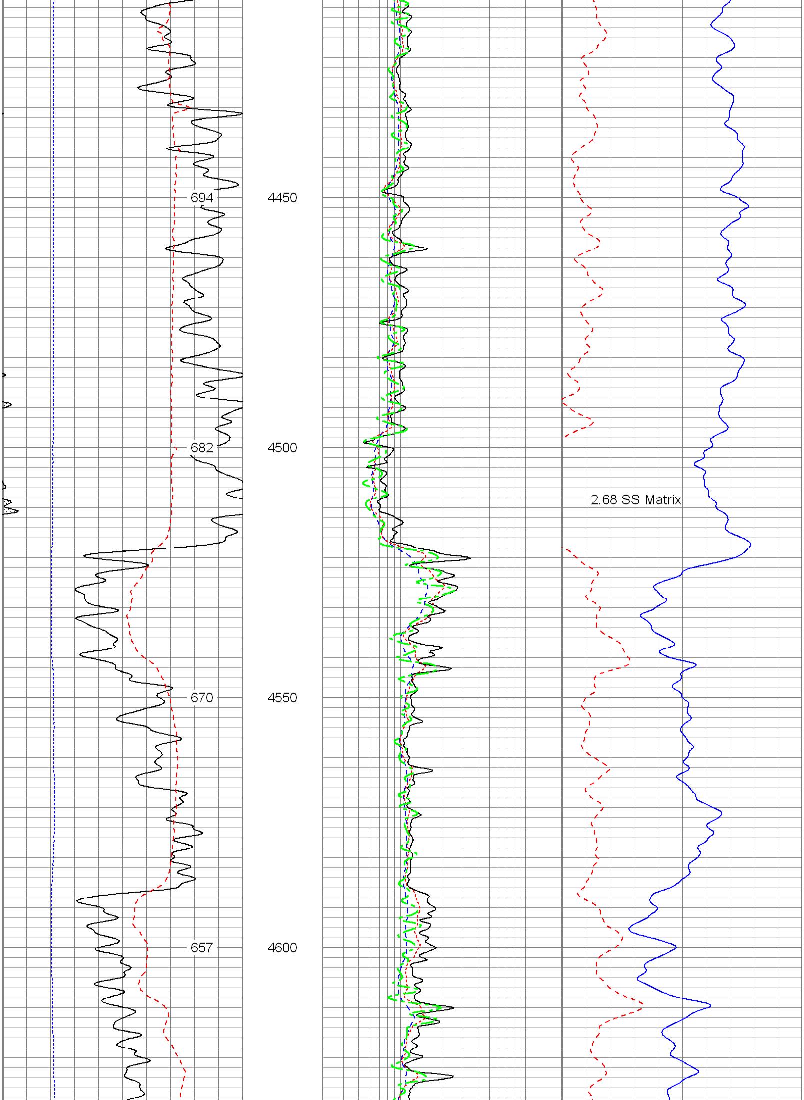


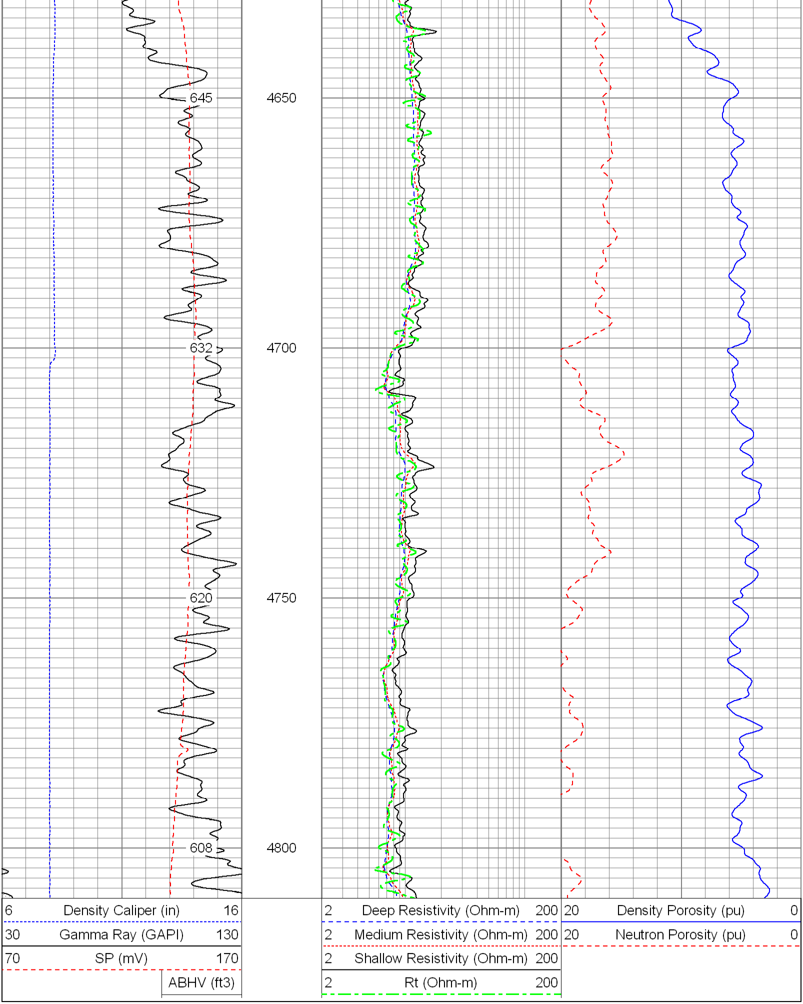












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0 SP (mV) 200

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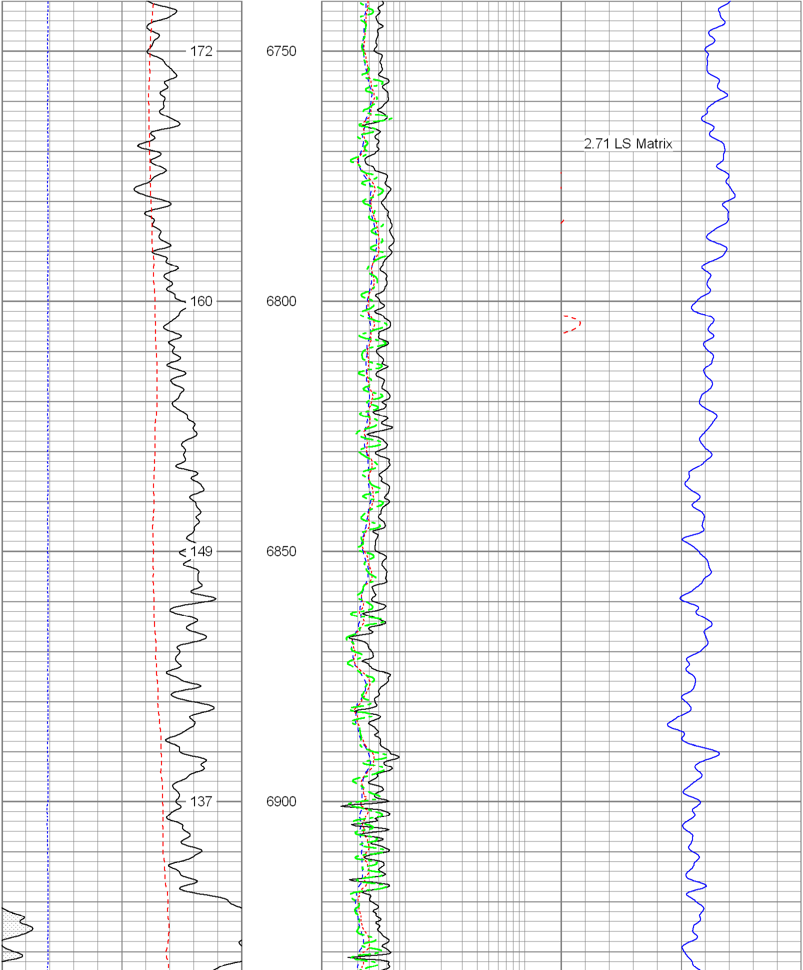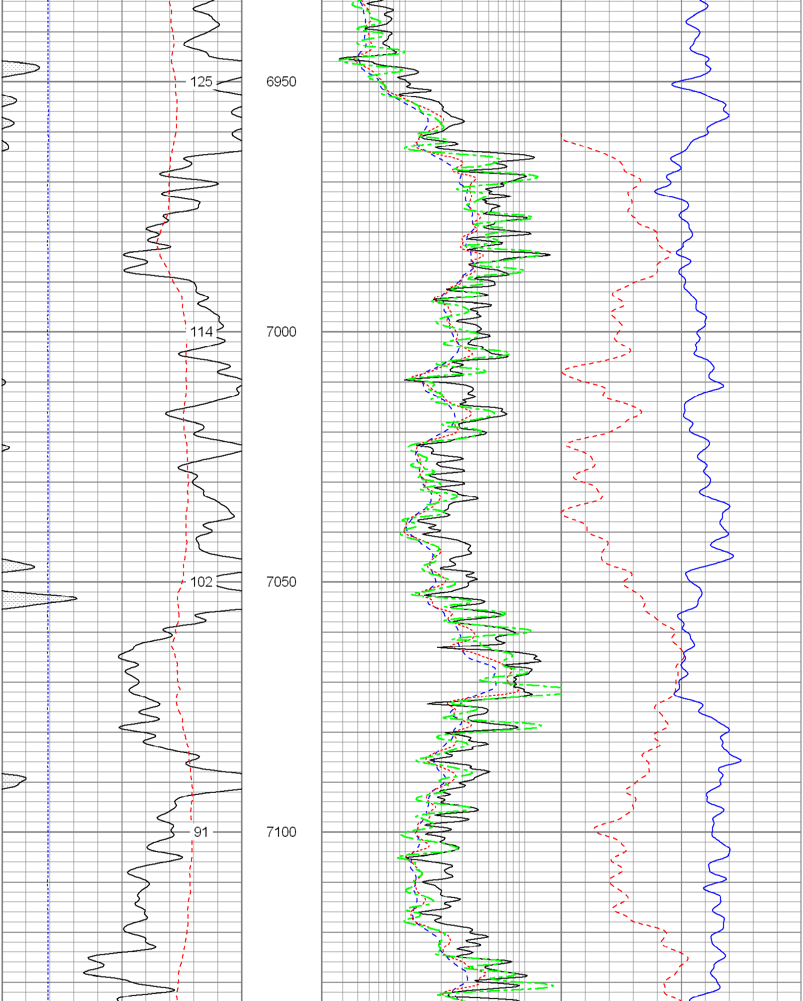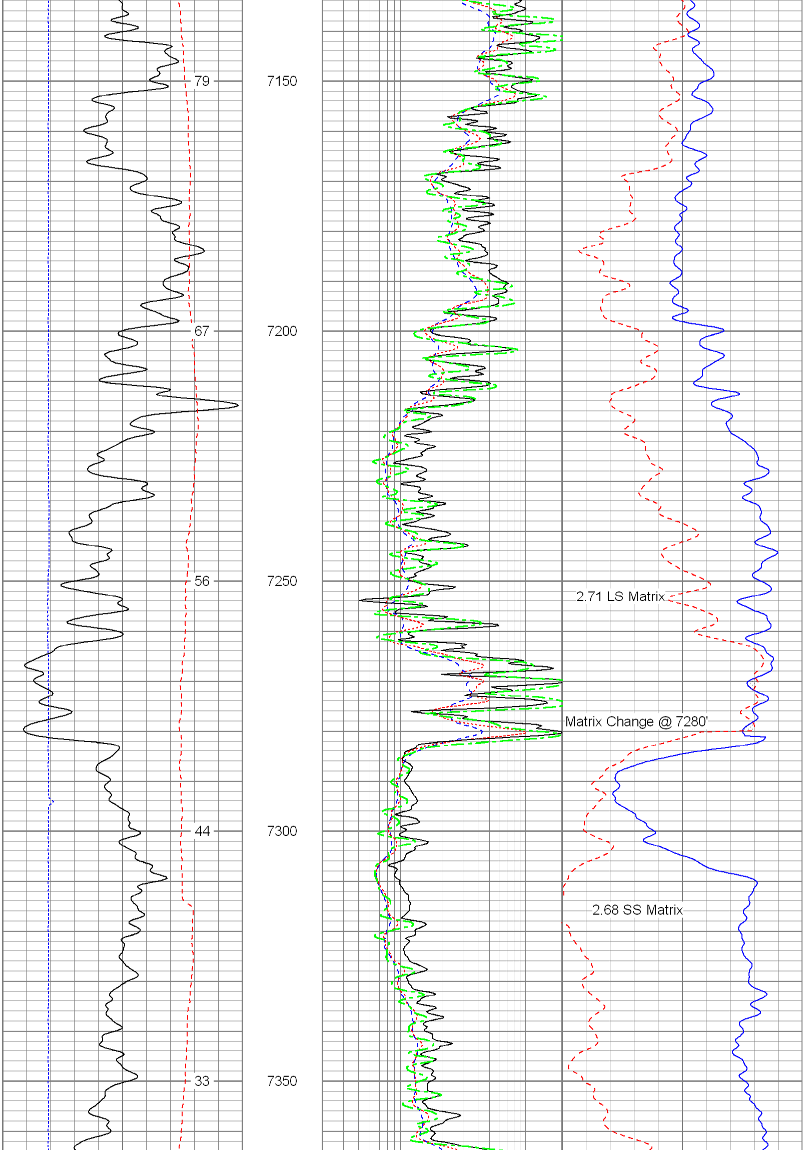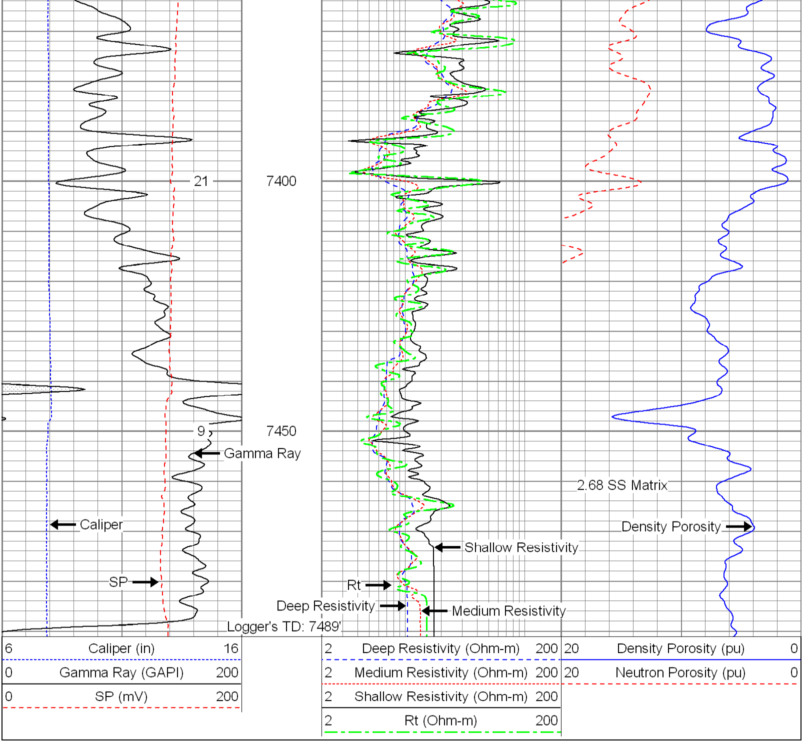20 Density Porosity (pu) 0
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