Company EnCana Oil & Gas (USA) Inc
Well Rasmussen 4-2-28
Field Wattenberg
County Weld
State Colorado

PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company EnCana Oil & Gas (USA) Inc
Well Rasmussen 4-2-28
Field Wattenberg
County Weld State Colorado

Location: API # : 05123328930000
SHL: 1962' FNL & 1820' FWL SENW
BHL: 1300' FNL & 2600' FWL NWNE
SEC 28 TWP 2N RGE 68W

Other Services
None

Permanent Datum GL Elevation 4935
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4948
D.F. 4948
G.L. 4935

Date	March 5, 2013			
Run Number	1			
Depth Driller	8250			
Depth Logger	8247			
Bottom Logged Interval	8247			
Top Log Interval	Casing			
Casing Driller	837			
Casing Logger	837			
Bit Size	7-7/8"			
Type Fluid in Hole	Chem Gel			
Density / Viscosity	9.6 / 52			
pH / Fluid Loss	8.0 / 11.2			
Source of Sample	Flowline			
Rm @ Meas. Temp	3.69 @ 65 F			
Rmf @ Meas. Temp	2.77 @ 65 F			
Rmc @ Meas. Temp	4.61 @ 65 F			
Source of Rmf / Rmc	Measure / Calc			
Rm @ BHT	1.09 @ 219 F			
Time Circulation Stopped	2330 3/4/2013			
Time Logger on Bottom	0700			
Maximum Recorded Temperature	219 F			
Equipment Number	50			
Location	Brighton, CO			
Recorded By	Clint Christensen			
Witnessed By	Wes Harrison			

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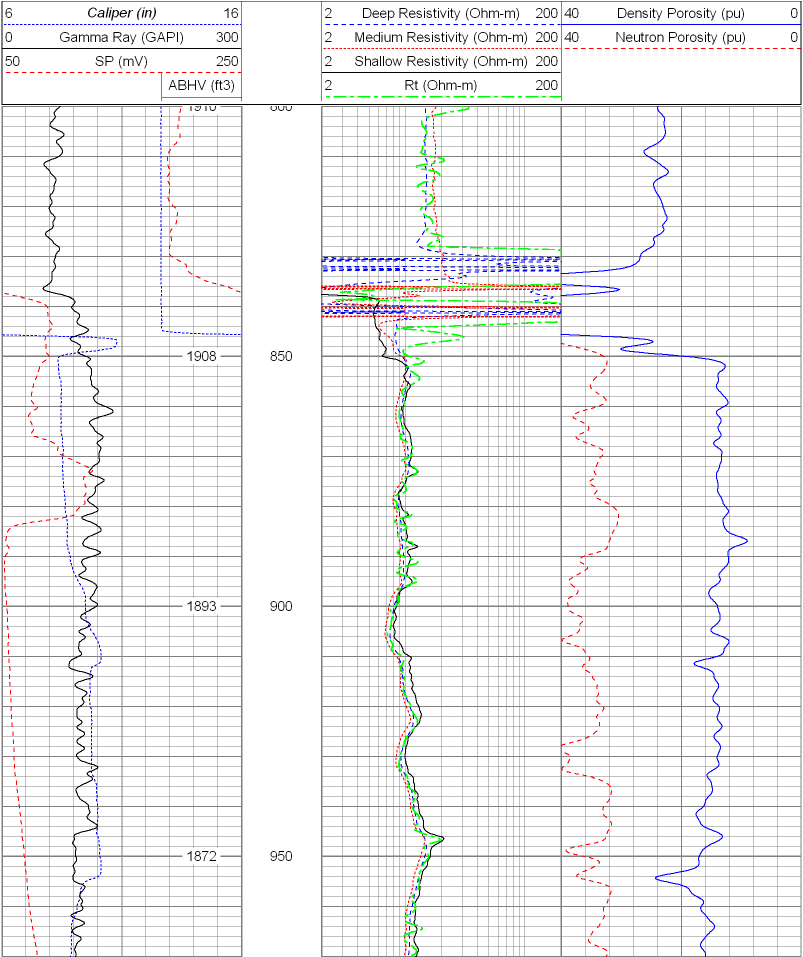
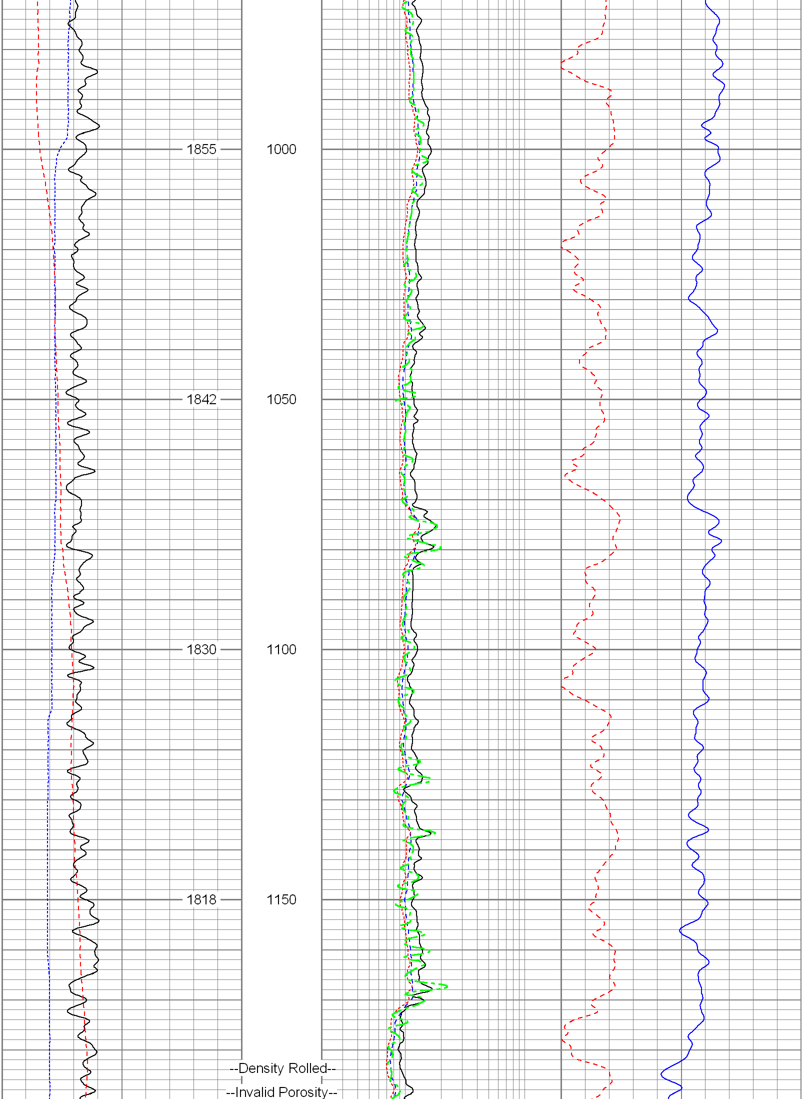
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

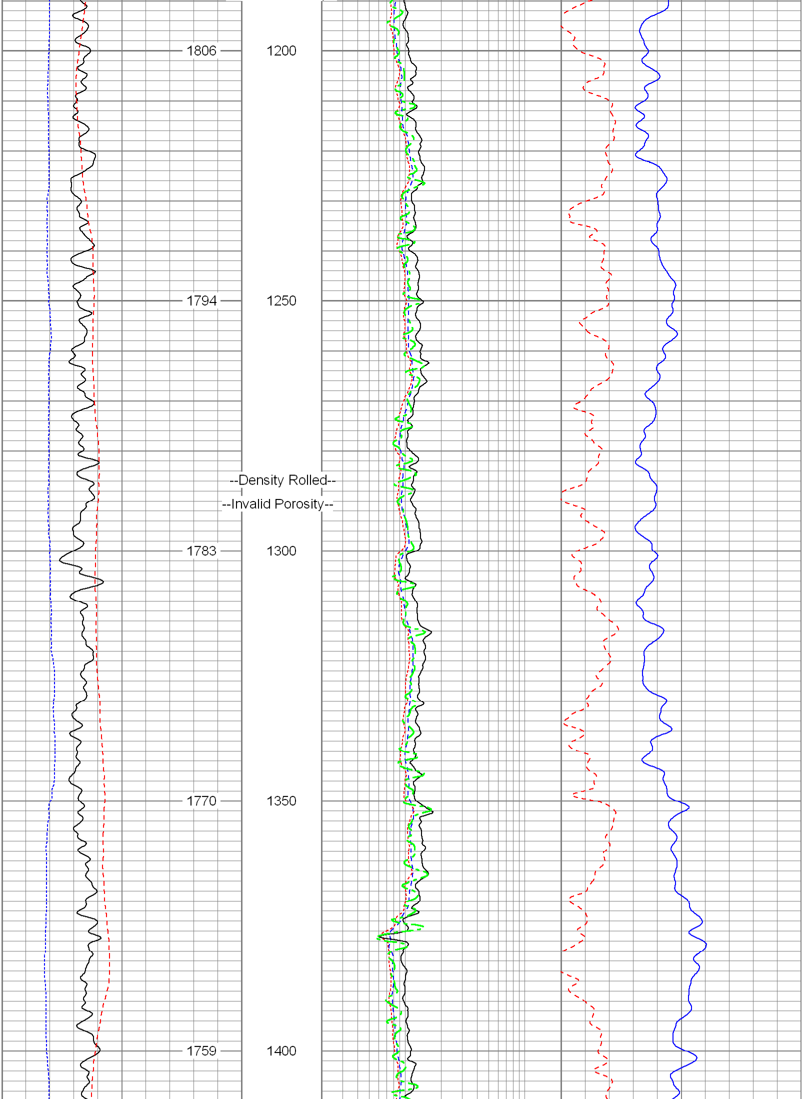
Comments

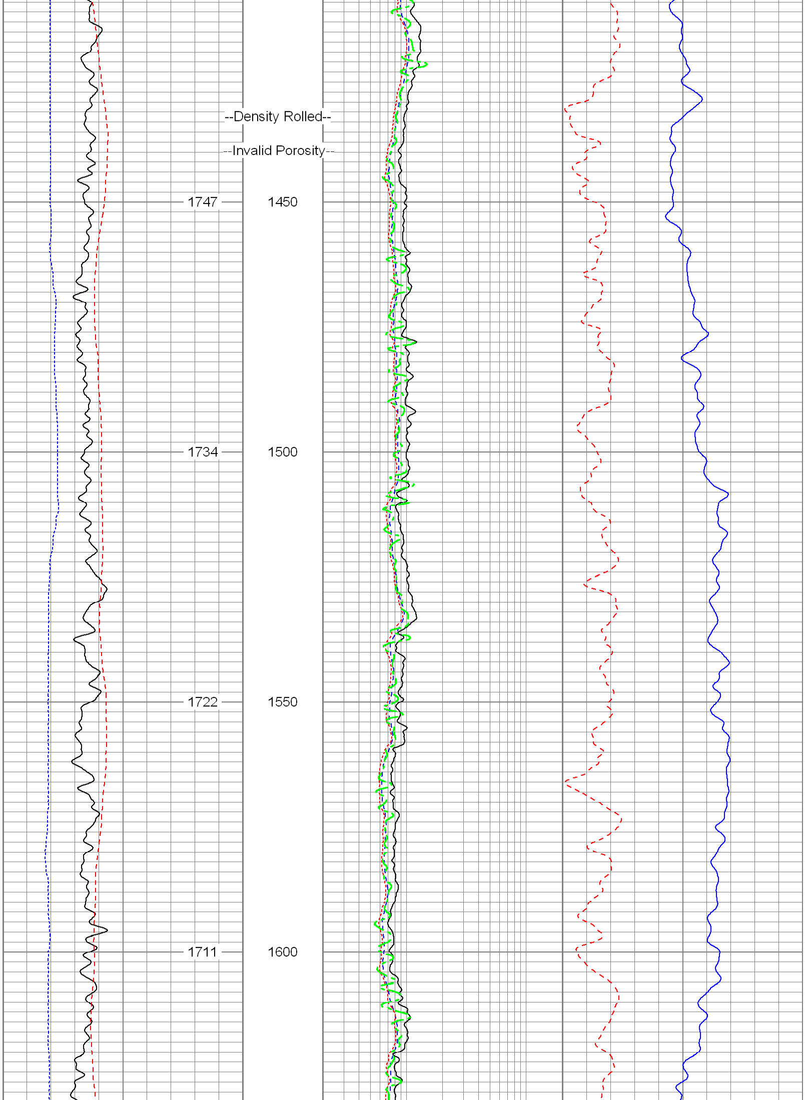
Annular volume calculated for 4-1/2" casing
Ensign Drilling Rig 122
Thank you for using Pioneer Energy Services.

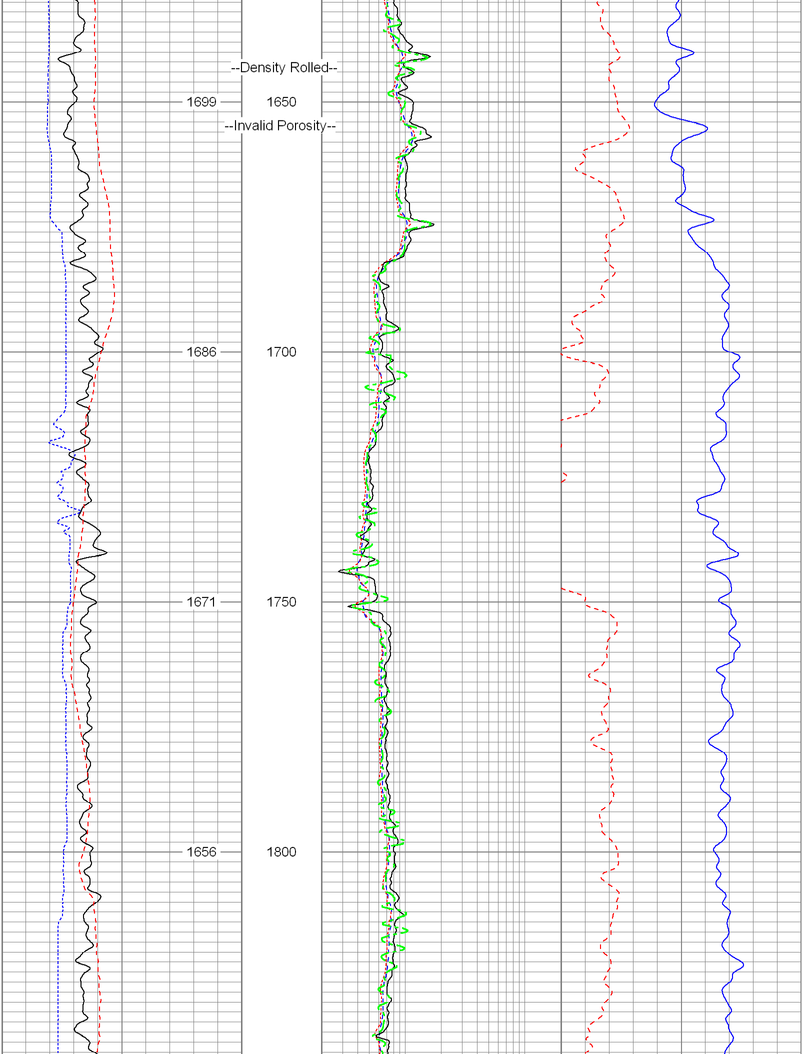
Database File: 13198.db
Dataset Pathname: final
Presentation Format: encana
Dataset Creation: Tue Mar 05 10:08:02 2013
Charted by: Depth in Feet scaled 1:240

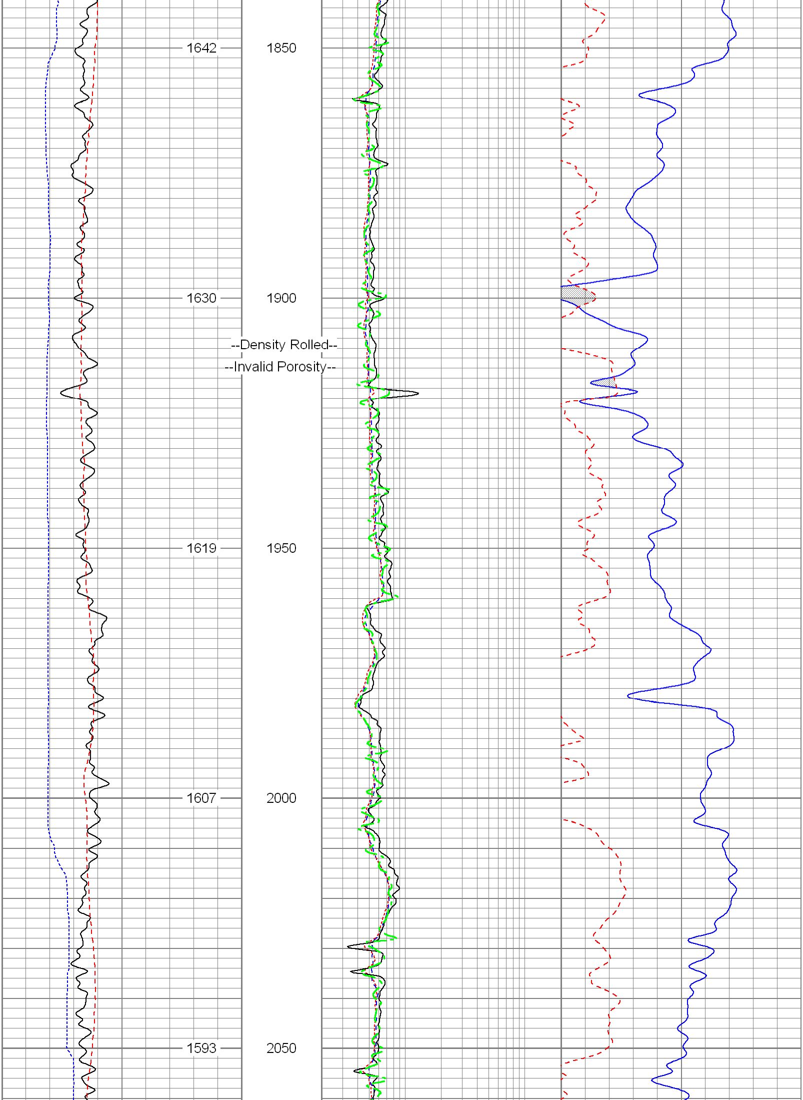


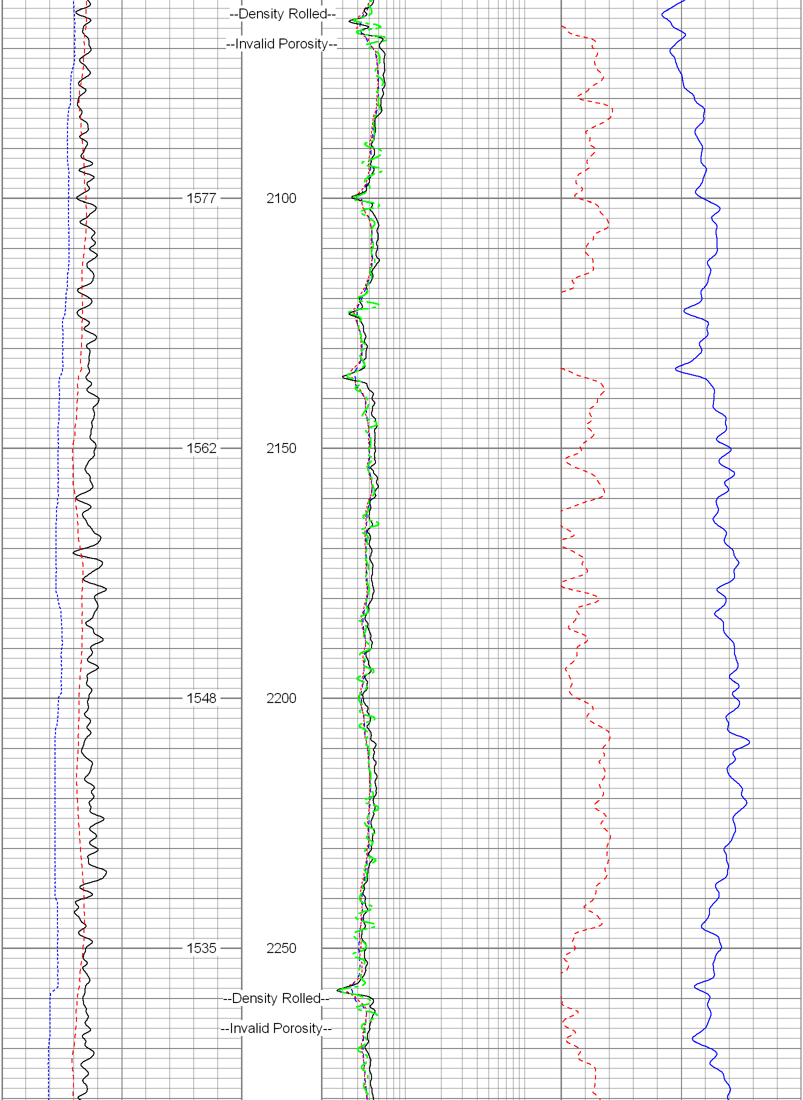


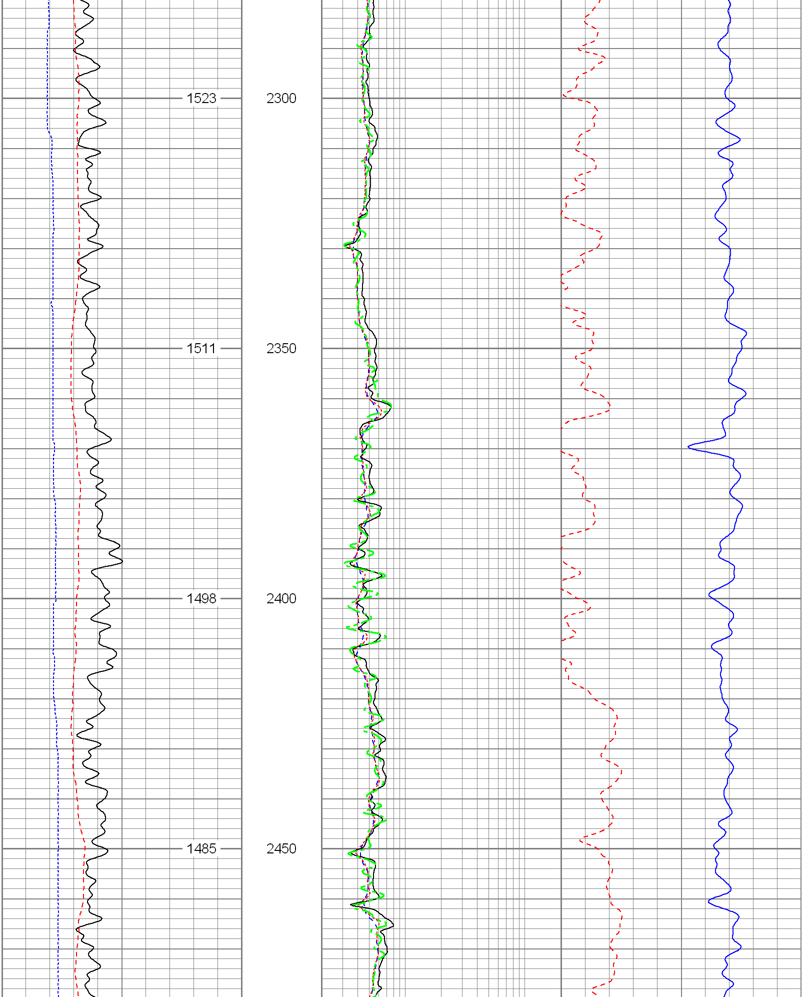


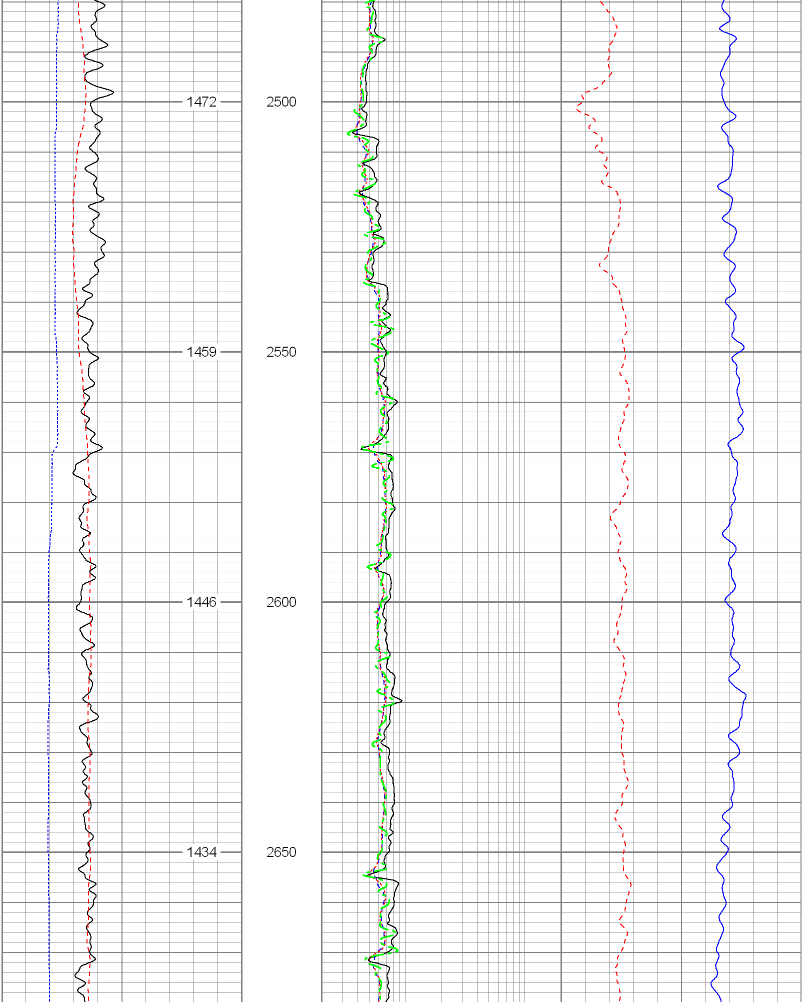


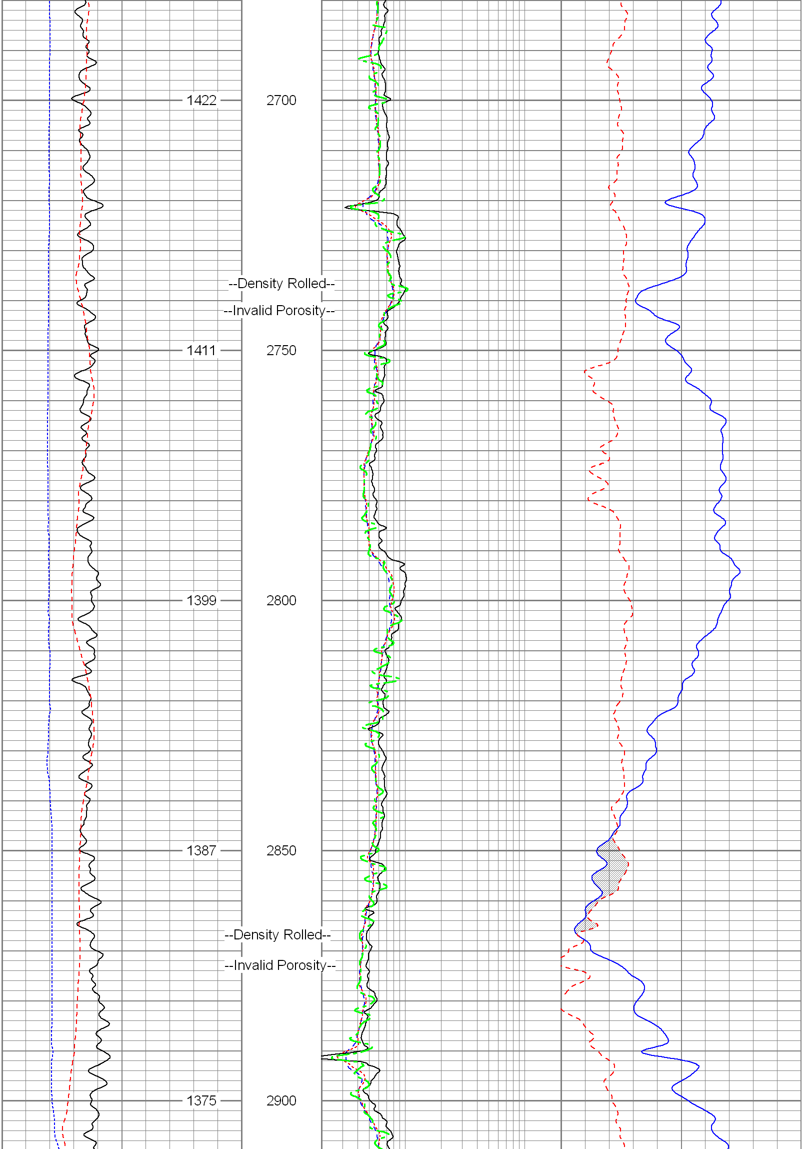


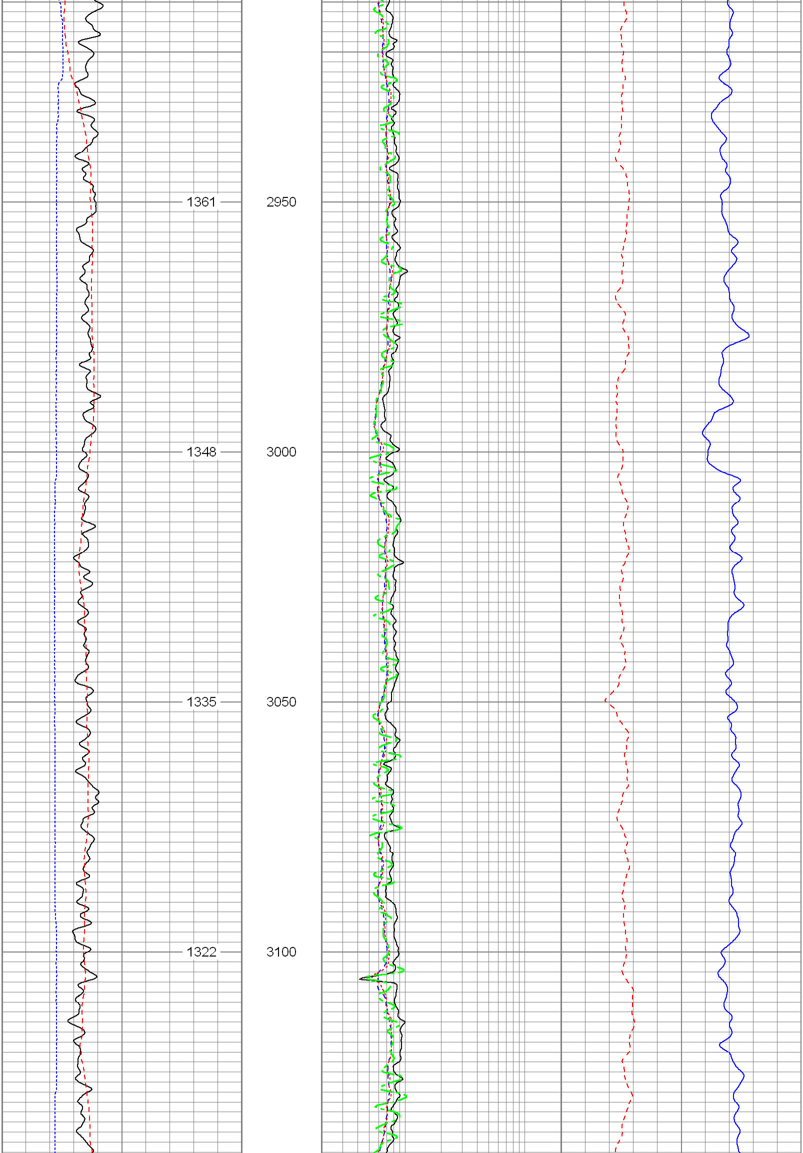


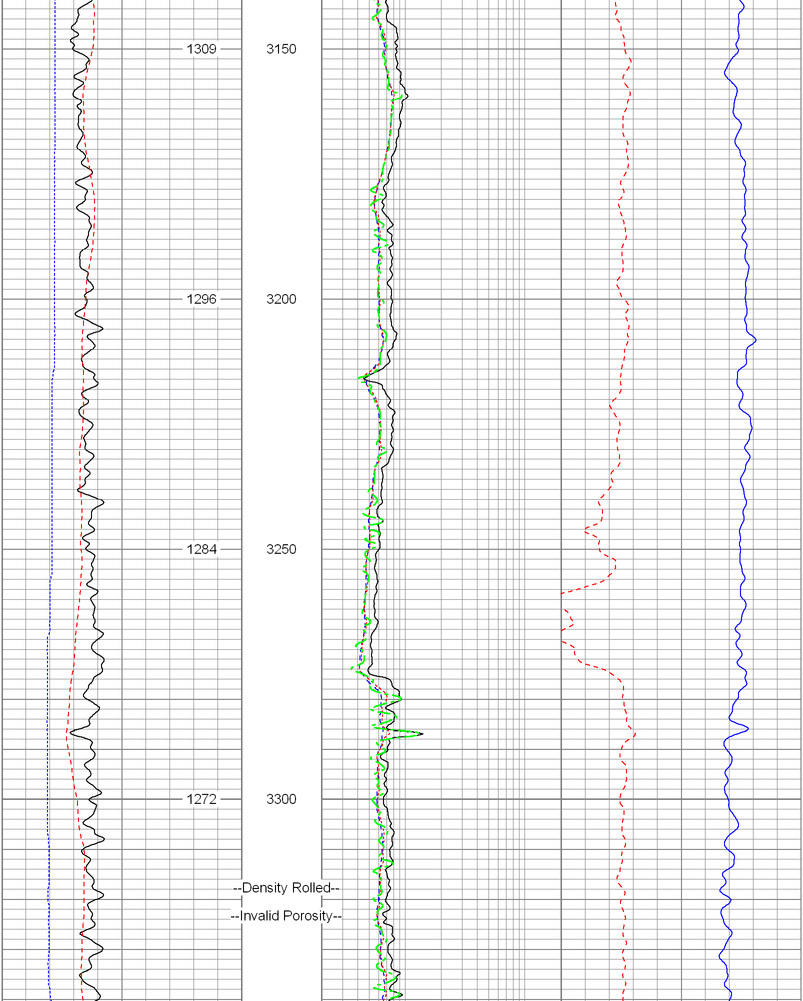


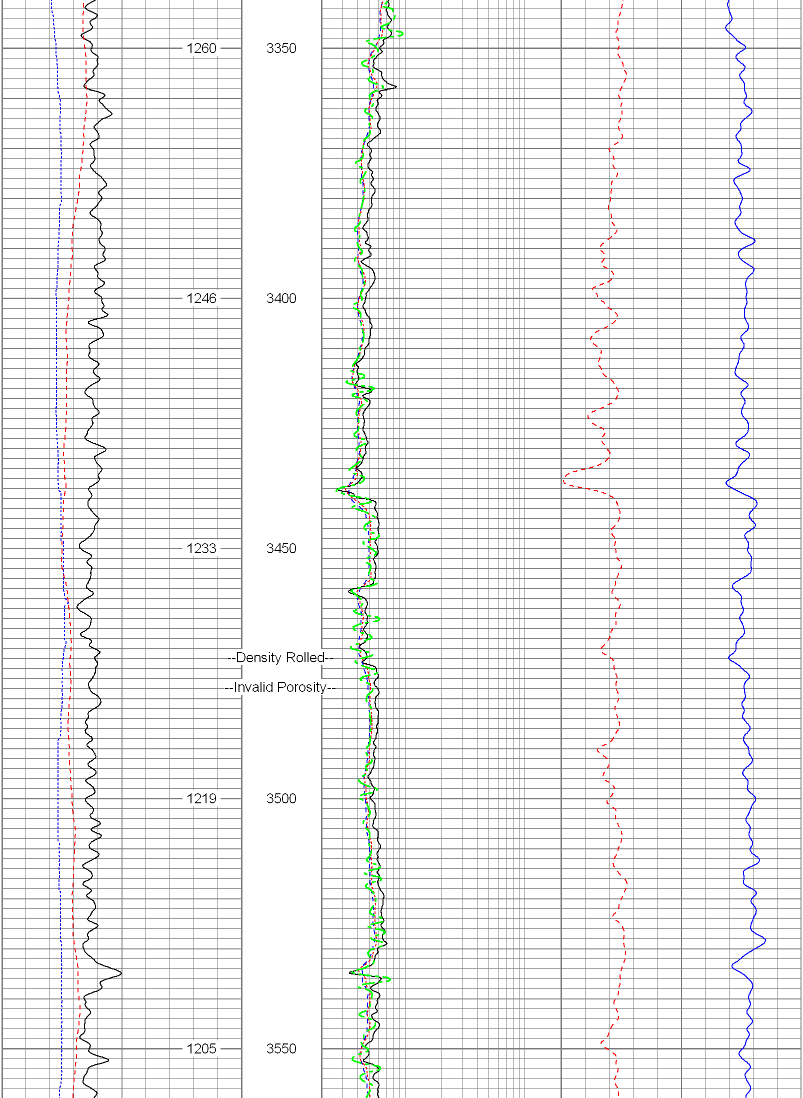


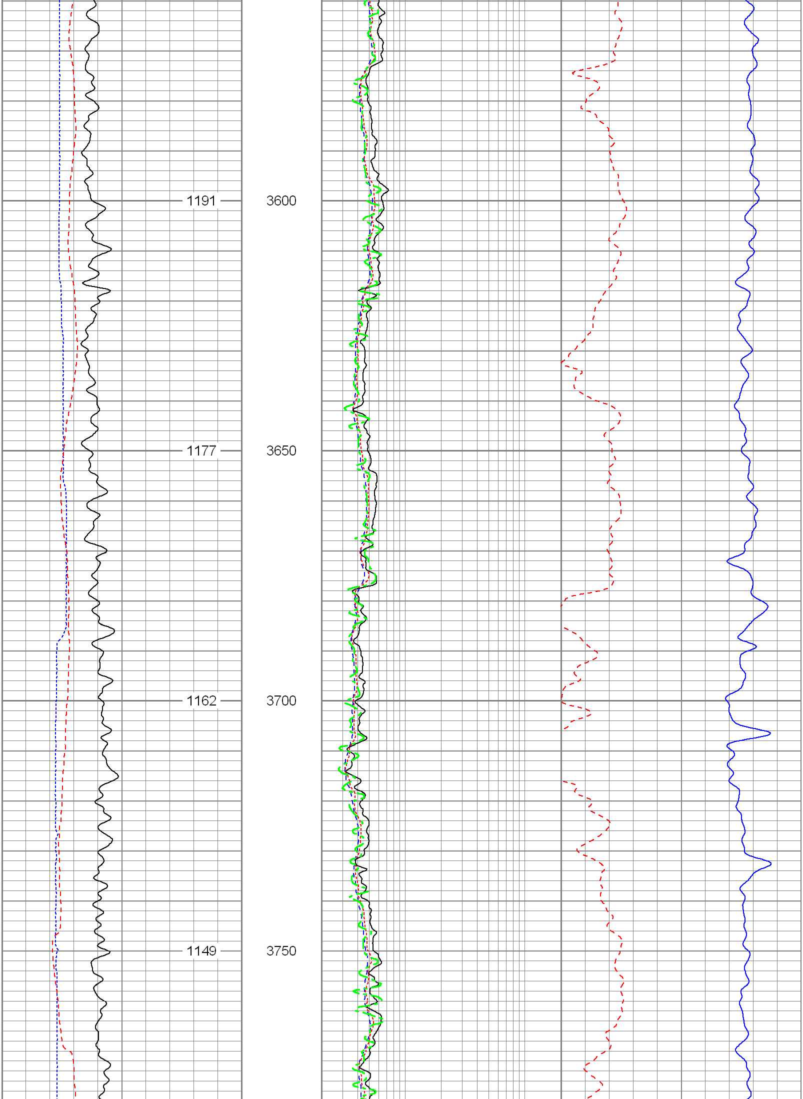


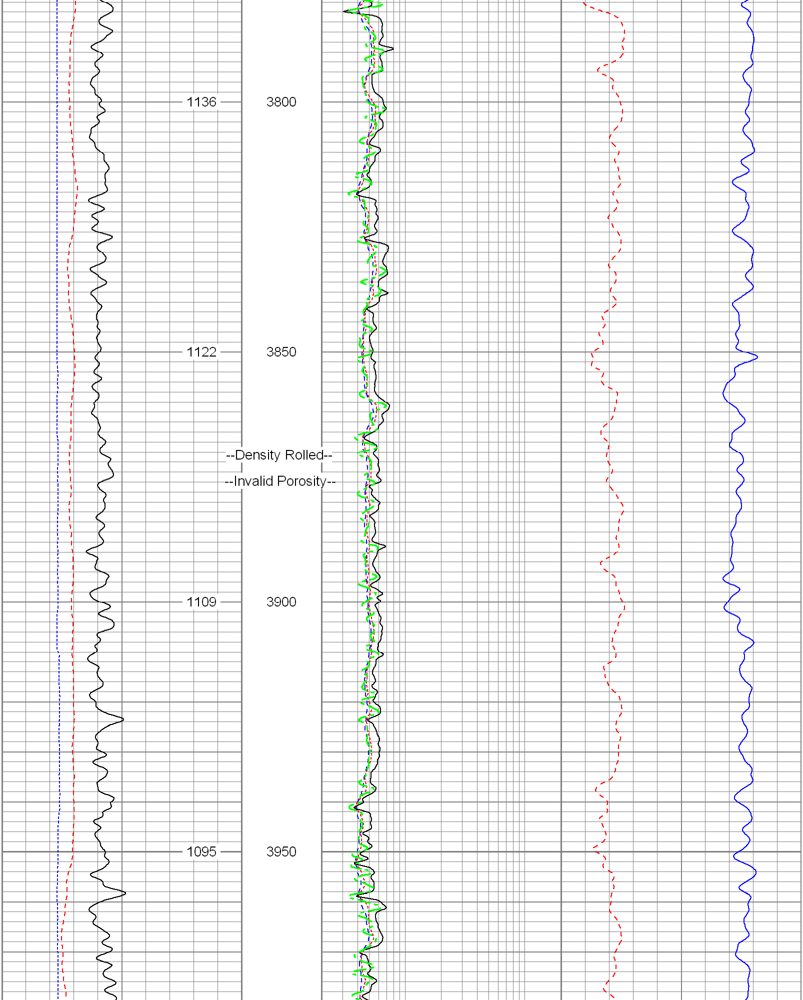


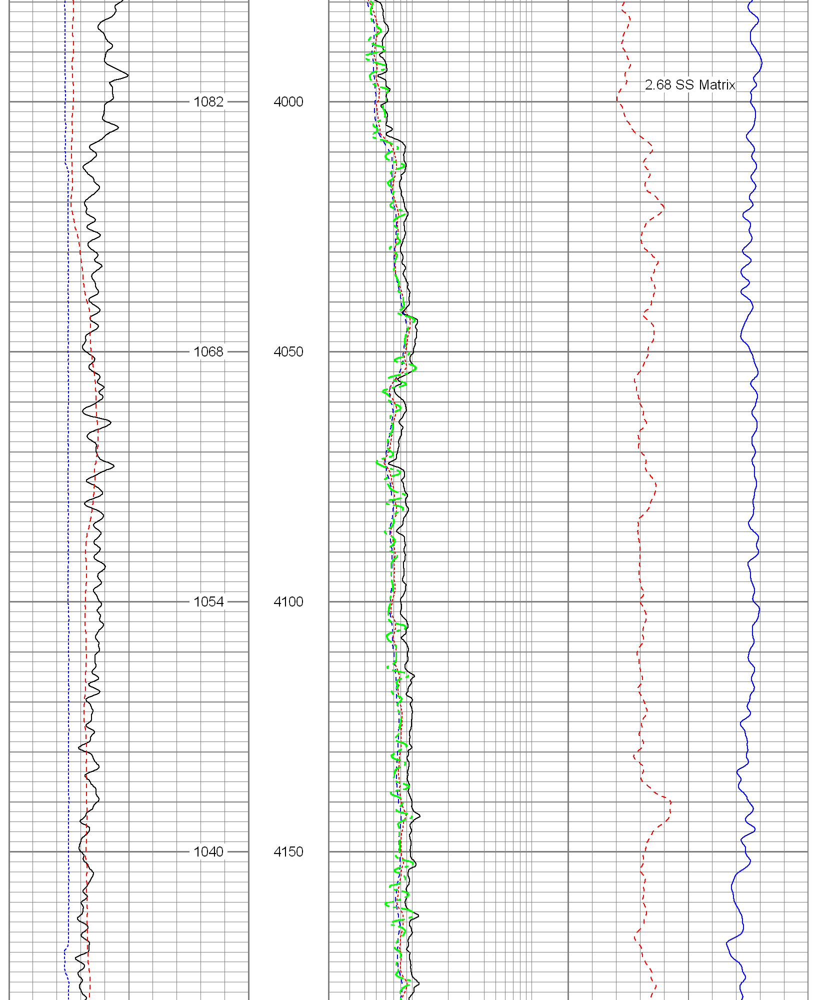


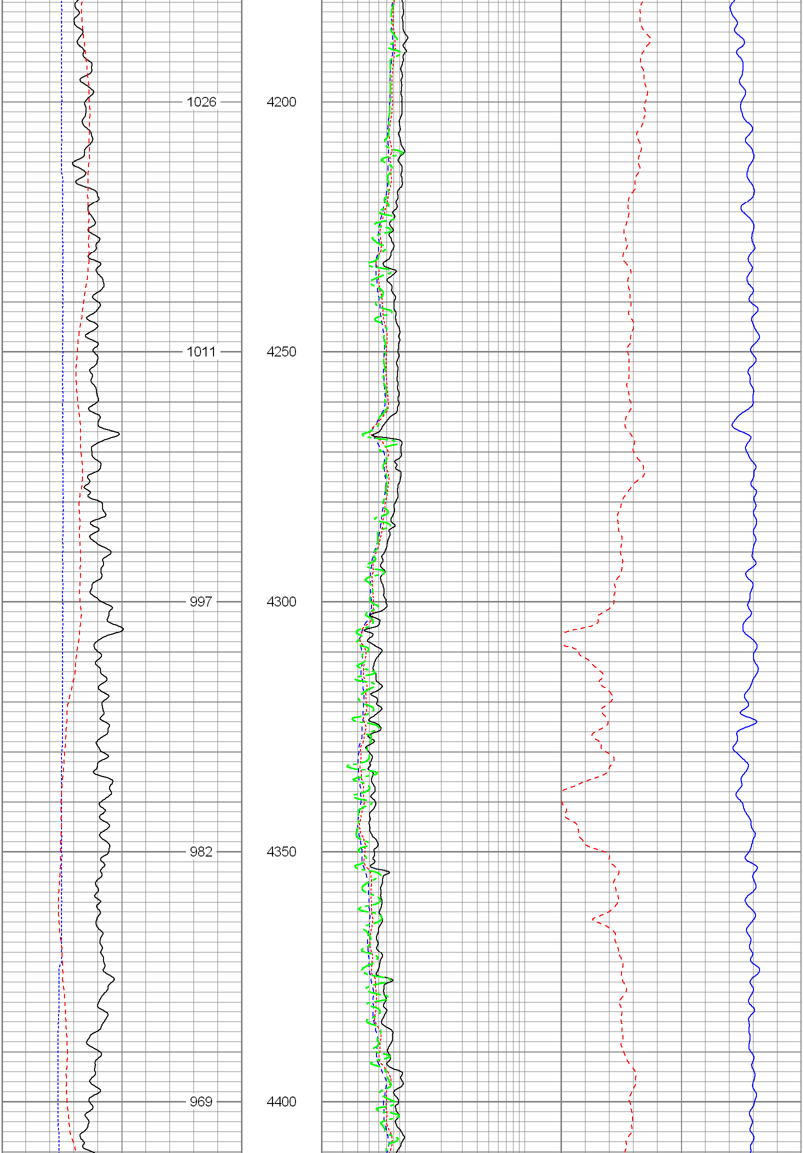


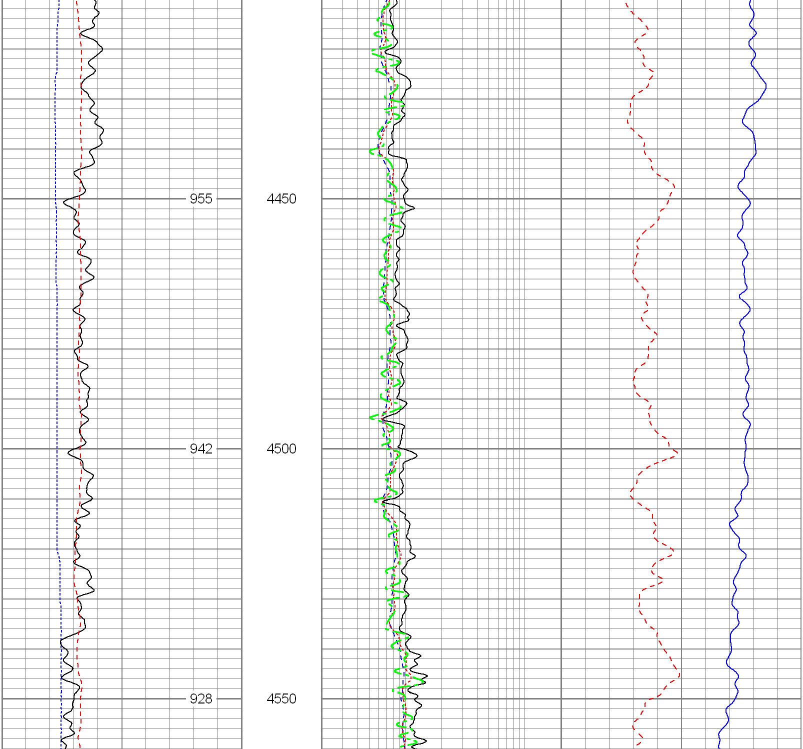












2.68 SS Matrix
2.68 SS Matrix
Density Rollers
Invalid Porosity
2.68 SS Matrix
2.68 SS Matrix
2.68 SS Matrix
Matrix Change @ 7950'
2.65 SS Matrix
2.65 SS Matrix
ABHV
Gamma Ray
Caliper
SP
Medium Resistivity
Rt
Shallow Resistivity
Deep Resistivity
Logger's TD: 8247'
Neutron Porosity
Density Porosity
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
50 SP (mV) 250
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
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0