PSI
PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	EnCana Oil & Gas (USA) Inc.
Well	Crandell 23-26
Field	Wattenberg
County	Broomfield
State/Province	Colorado
Location	SHL: 1755' FSL & 1008' FWL NWSW BHL: 1987' FSL & 1965' FWL NESW Sec 26, Twp 1N, Rge 68W
Other Services	None

Permanent Datum	GL	Elevation	5217
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 5230
D.F. 5230
G.L. 5217

Date	November 3, 2011		
Run Number	1		
Depth Driller	8715		
Depth Logger	8711		
Bottom Logged Interval	8711		
Top Log Interval	Casing		
Casing Driller	1088		
Casing Logger	1088		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 50		
pH / Fluid Loss	8.5 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.80 @ 50 F		
Rmf @ Meas. Temp	2.70 @ 50 F		
Rmc @ Meas. Temp	4.60 @ 50 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.83 @ 228 F		
Time Circulation Stopped	1500		
Time Logger on Bottom	0115		
Maximum Recorded Temperature	228 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Shaun Schuman		
Witnessed By	Roy Hunt		

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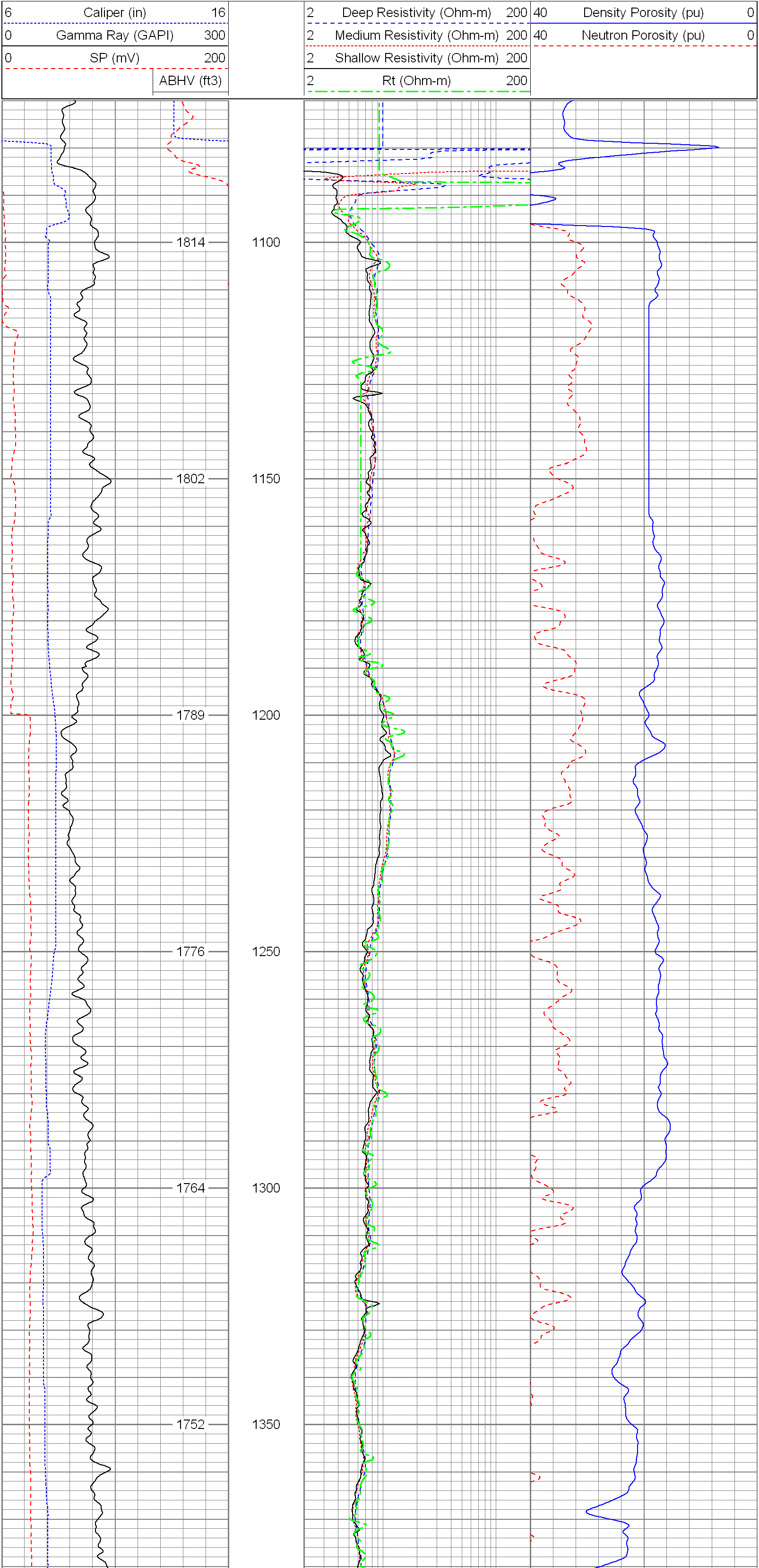
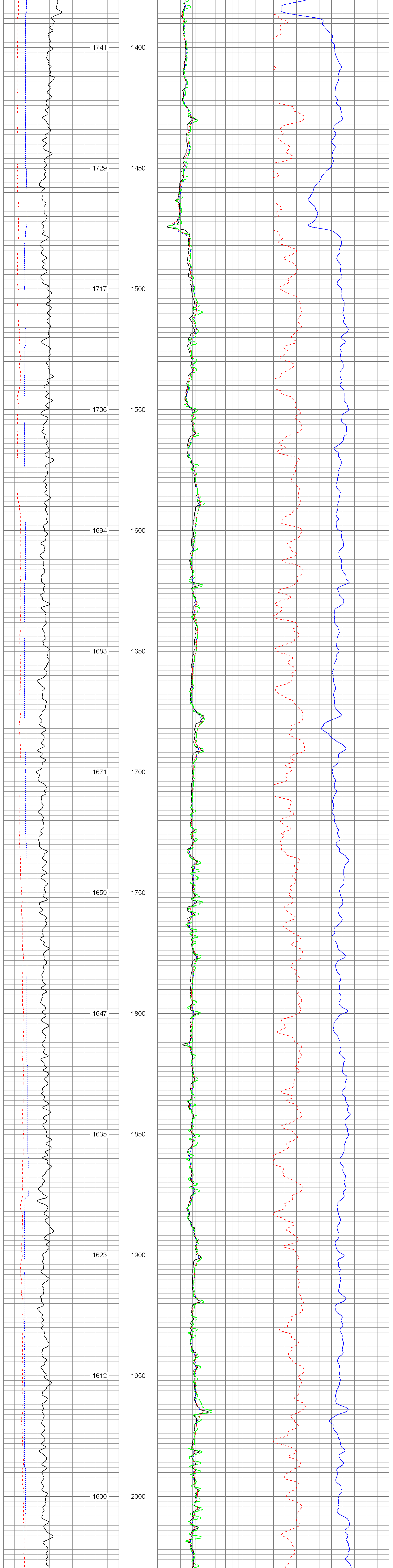
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

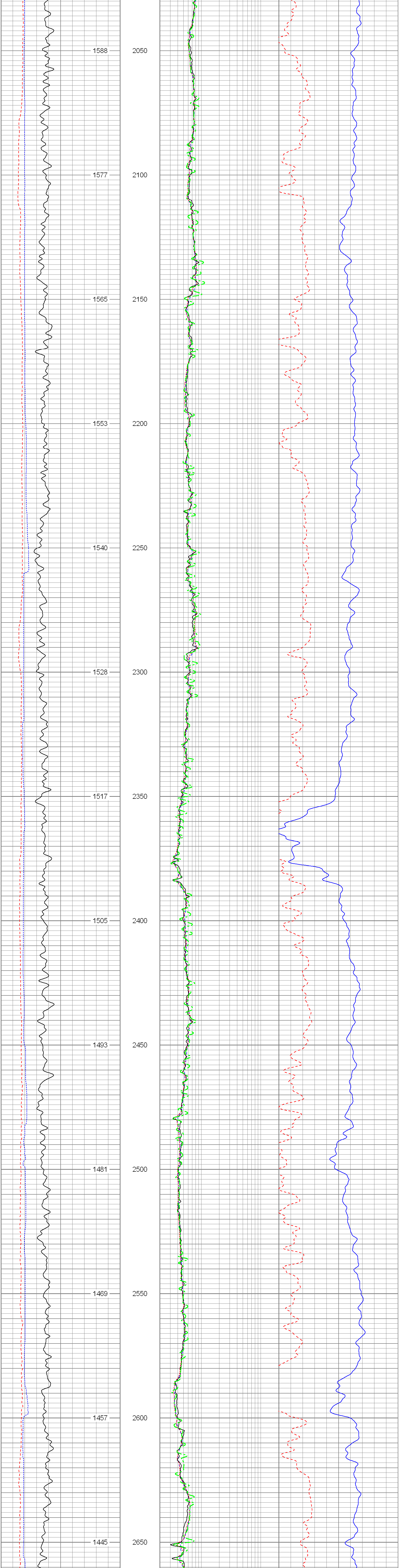
Comments

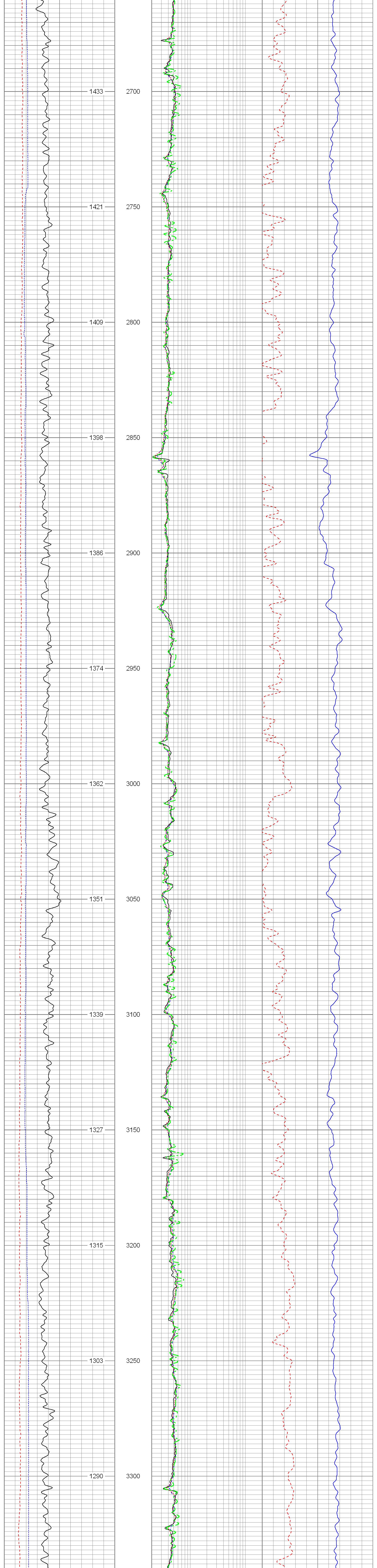
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 122
Thank you for using Phoenix Surveys!!
API #: 05-014-20704

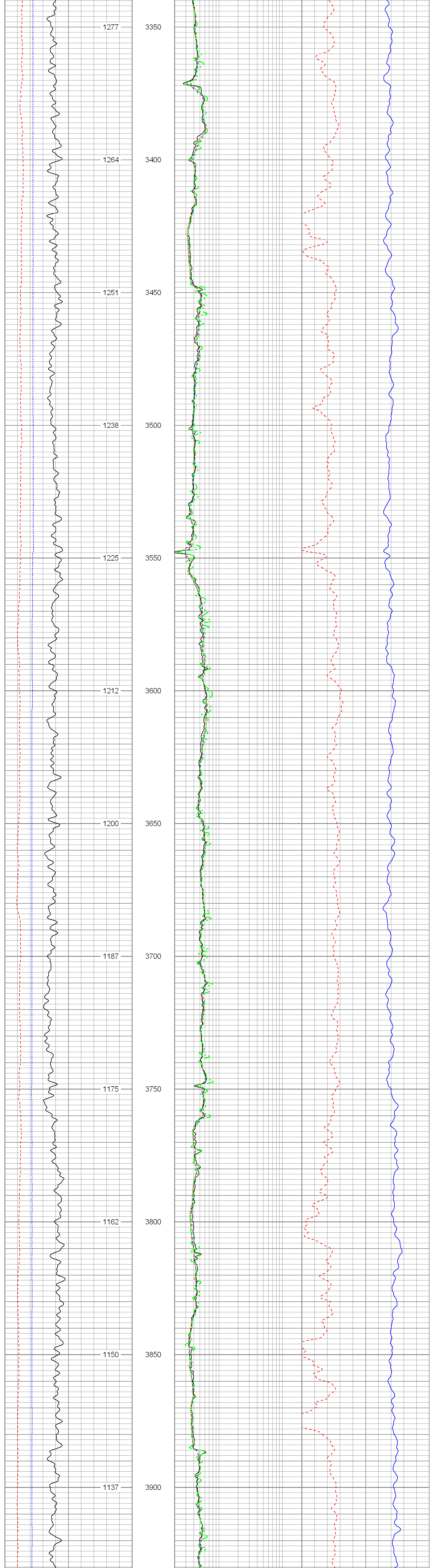
Database File:	12151.db
Dataset Pathname:	main
Presentation Format:	encana
Dataset Creation:	Thu Nov 03 05:36:38 2011
Charted by:	Depth in Feet scaled 1:240

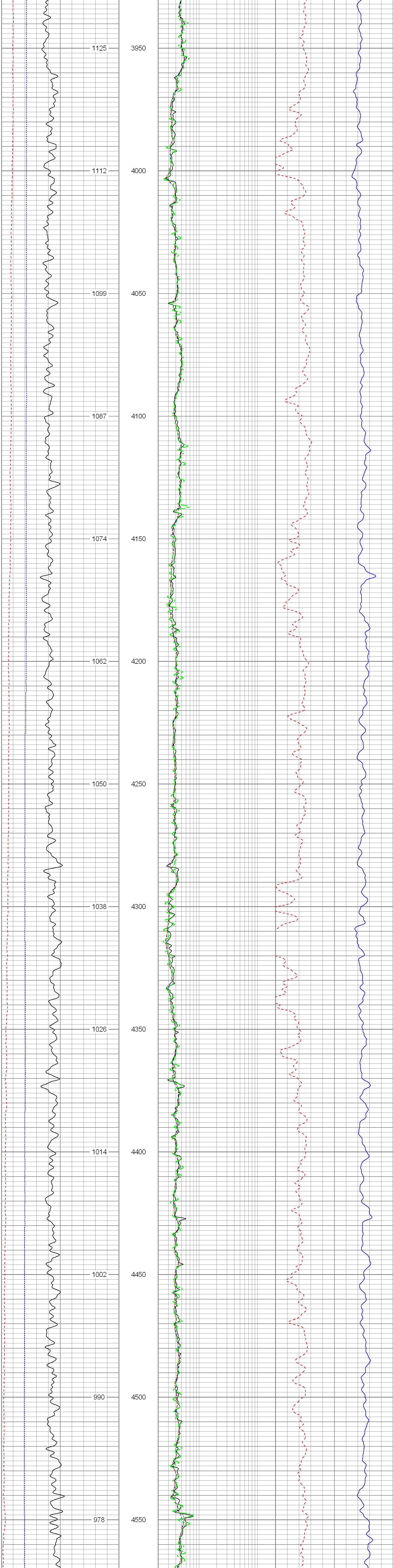


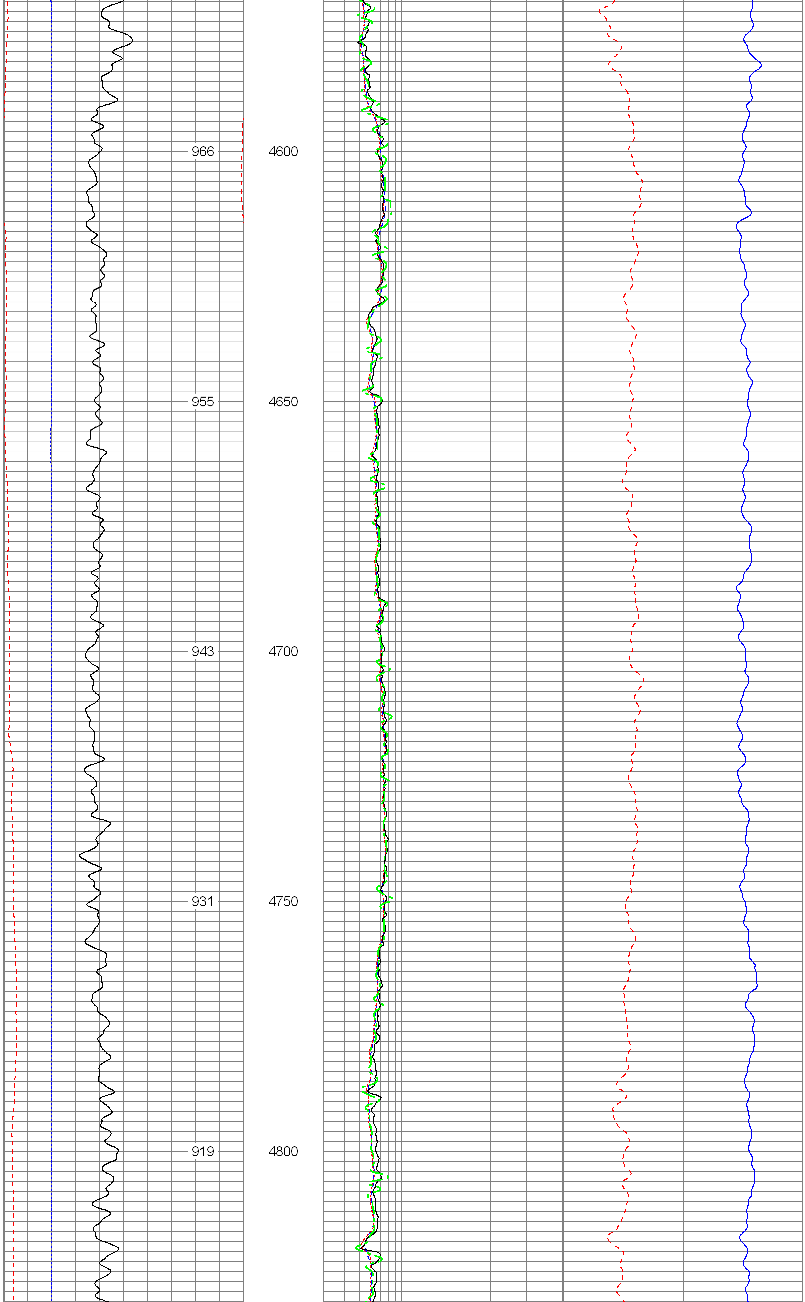


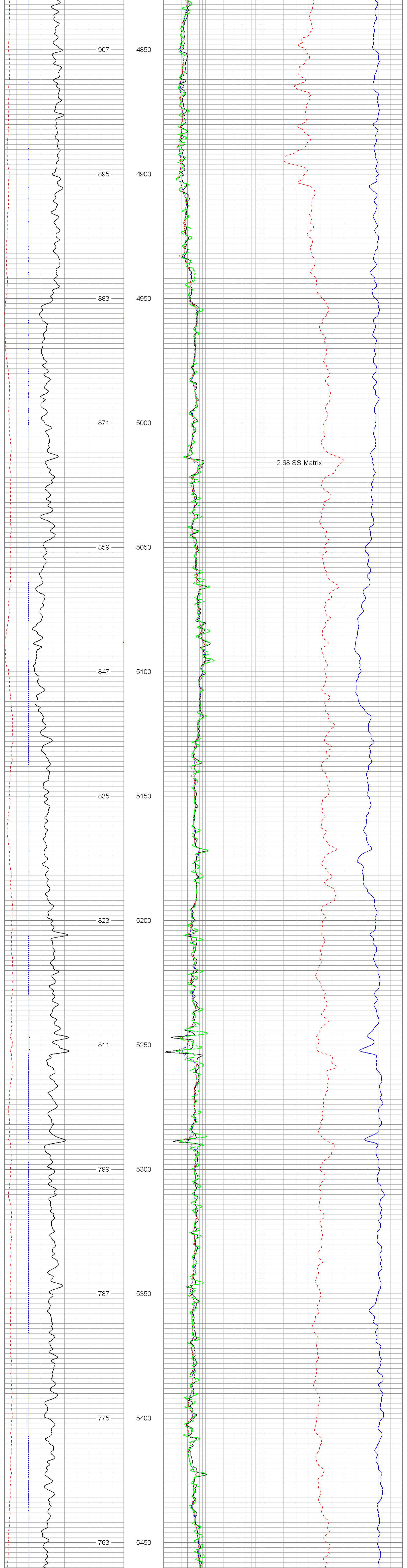








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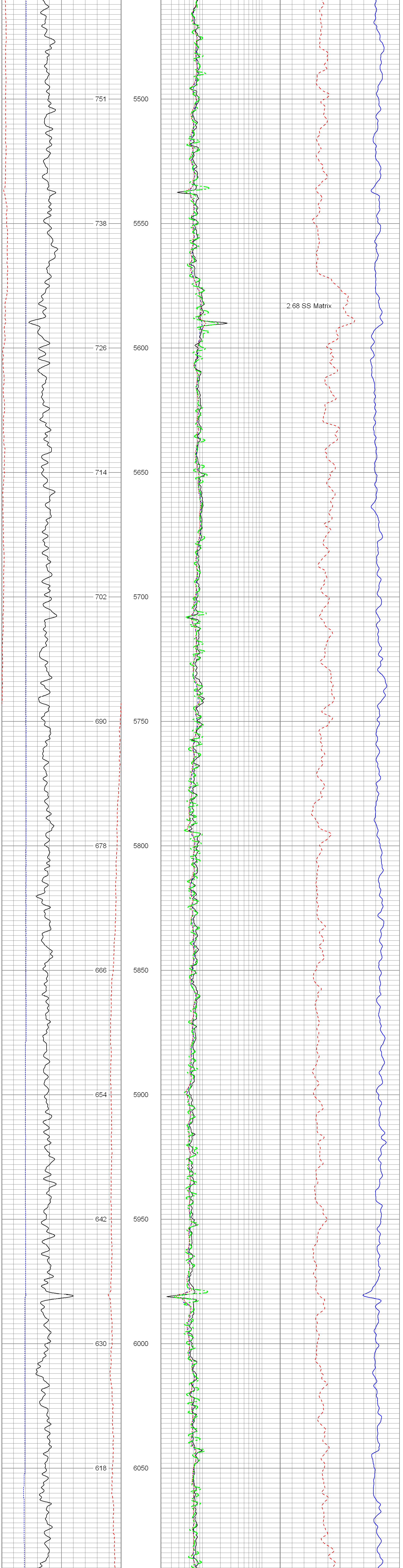
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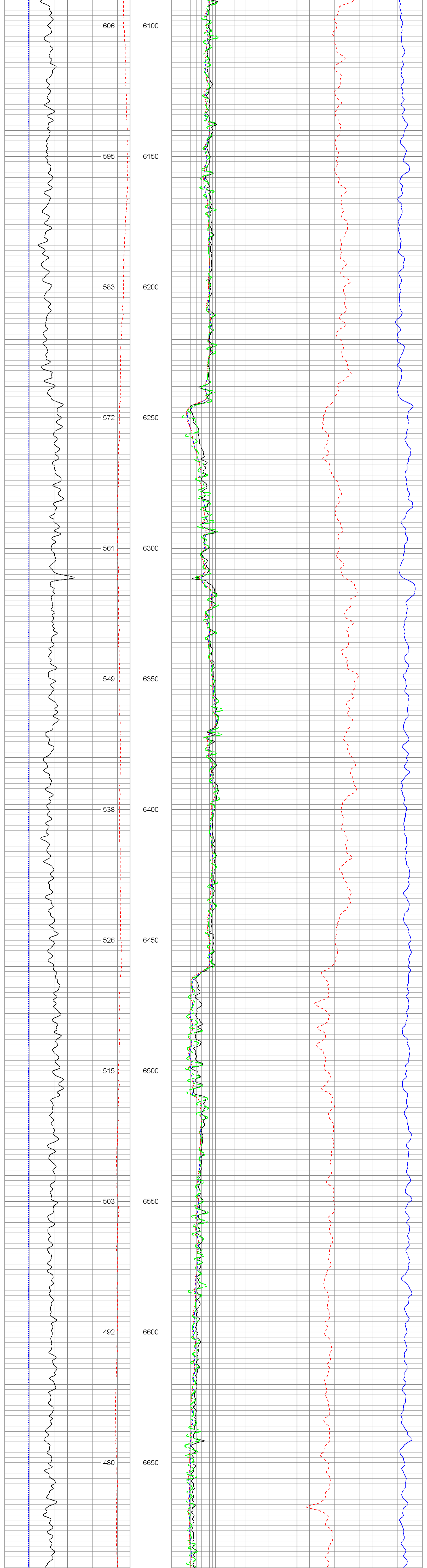
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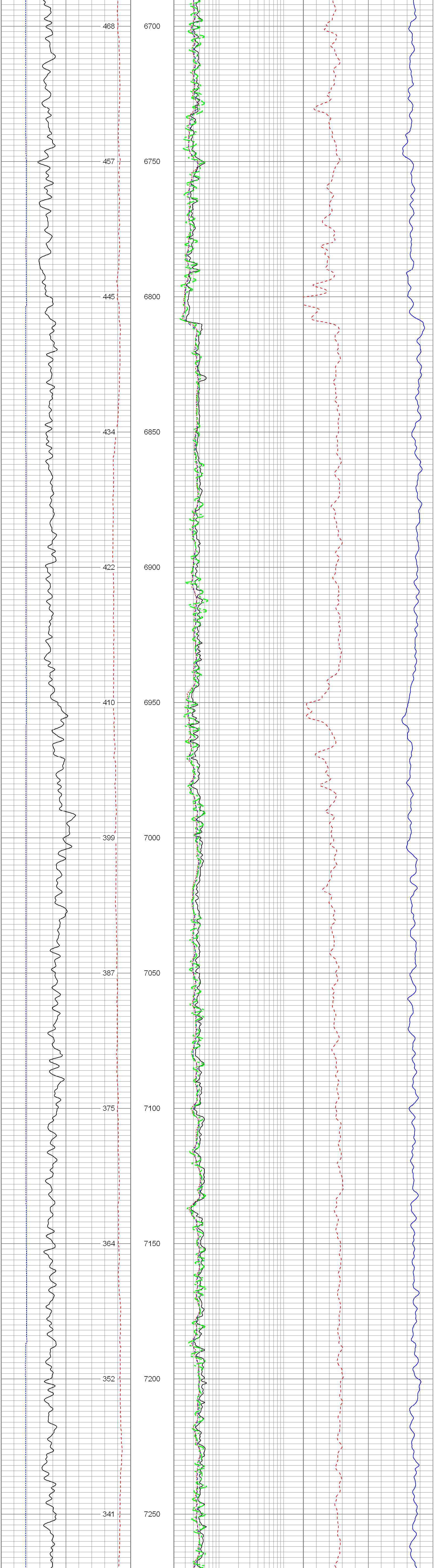
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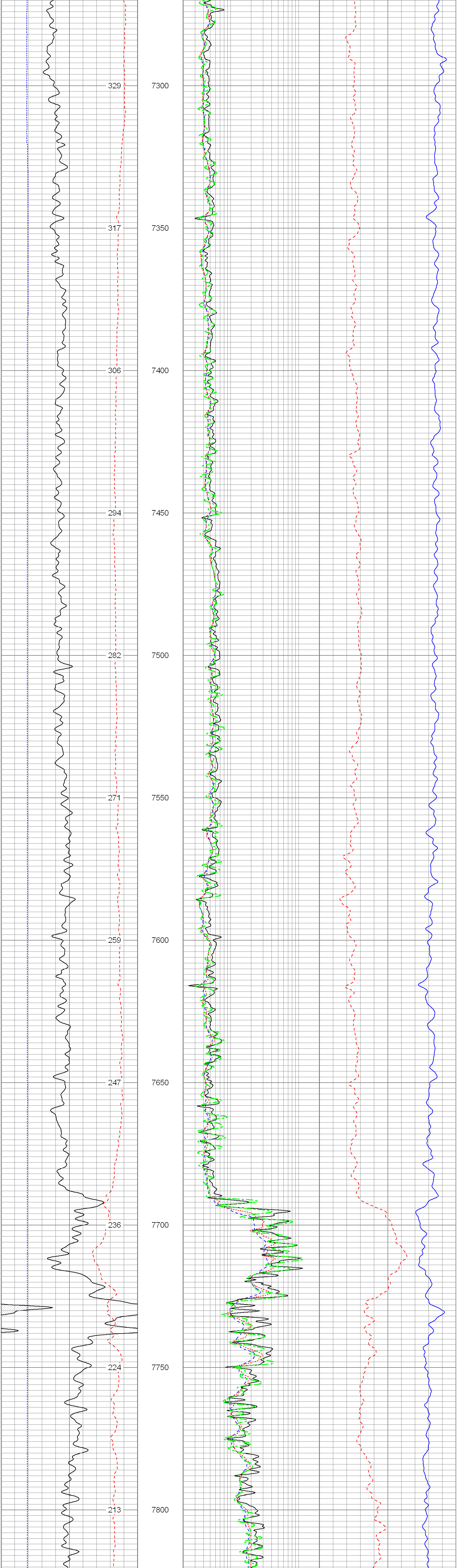
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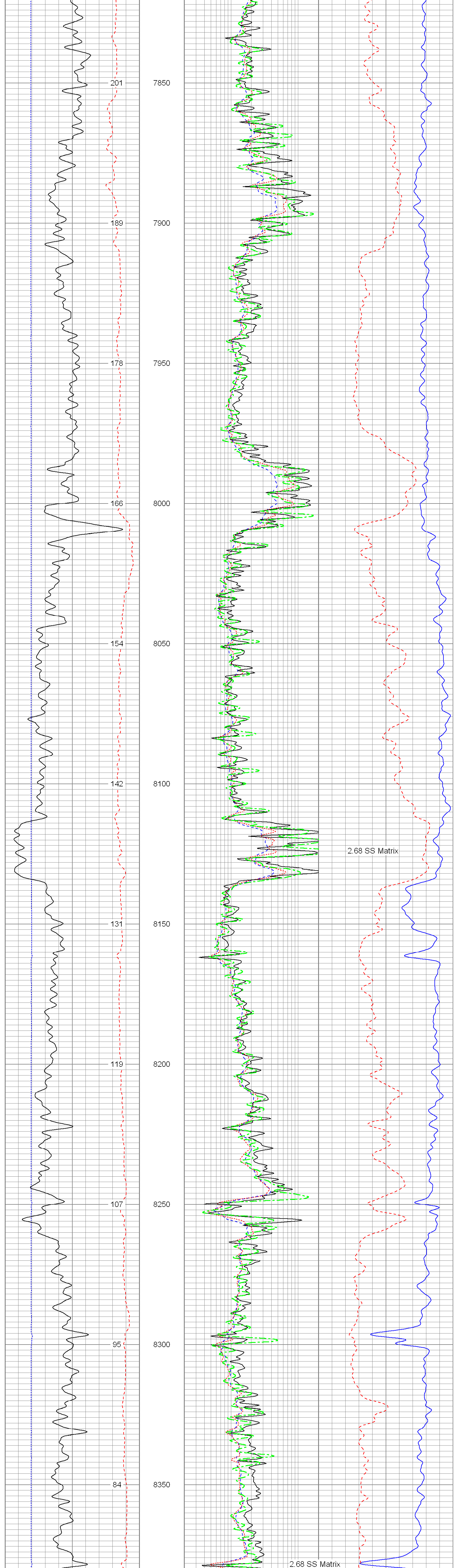
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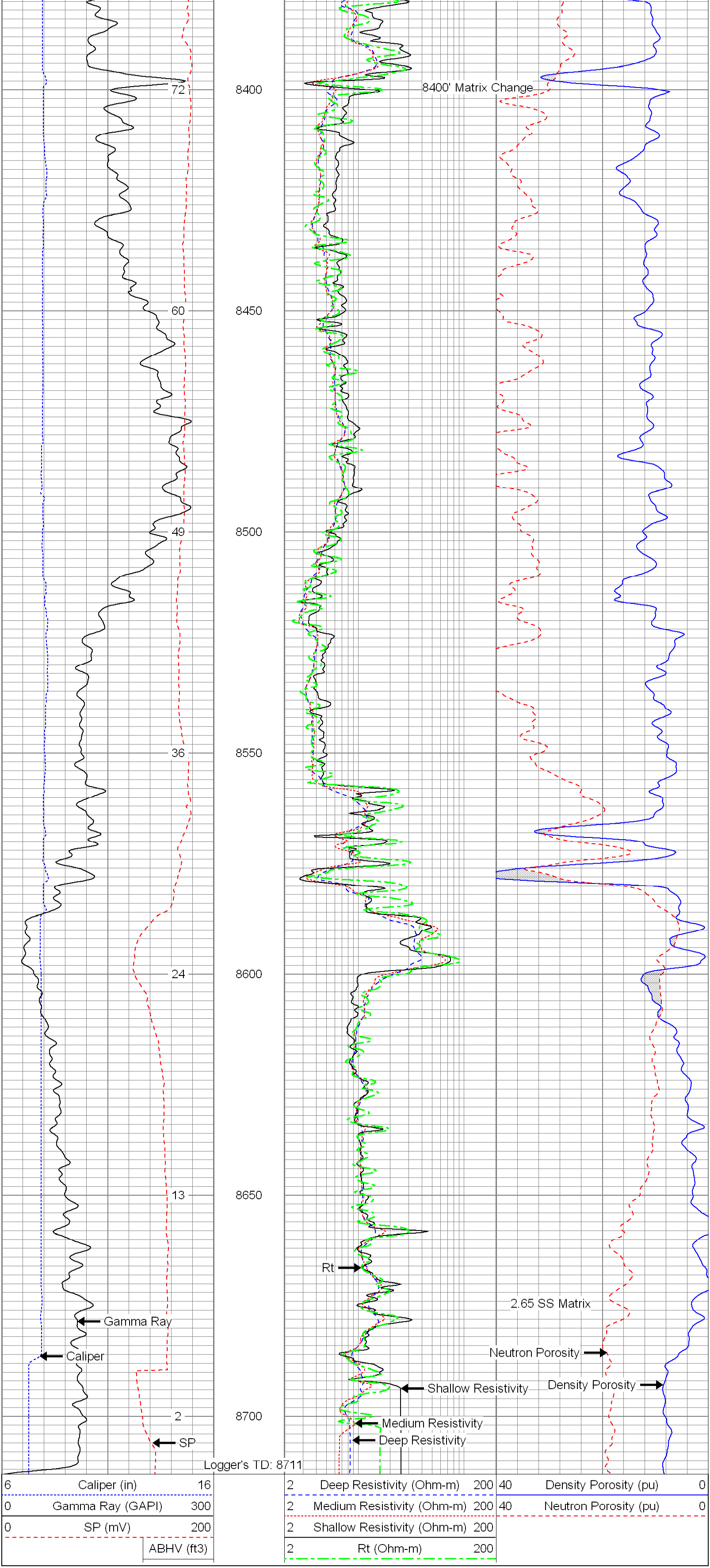
2.68 SS Matrix



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8400' Matrix Change
2.65 SS Matrix
Rt
Gamma Ray
Caliper
SP
Shallow Resistivity
Medium Resistivity
Deep Resistivity
Neutron Porosity
Density Porosity
Logger's TD: 8711
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
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