PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company **Bonanza Creek Energy Inc.**

Well **Antelope 13-29**

Field **Wattenberg**

County **Weld** State/Province **Colorado**

Location SHL: 1497' FSL & 1519' FWL NE SW
BHL: 2006' FSL & 658' FWL NW SW
Sec - 29, Twp - 5N, Rge - 62W

Other Services
None

Elevation
K.B. 4600
D.F. 4599
G.L. 4590

Permanent Datum GL Elevation 4590
Log Measured From KB
Drilling Measured From KB

Date	April 30, 2011		
Run Number	1		
Depth Driller	6760		
Depth Logger	6764		
Bottom Logged Interval	6764		
Top Log Interval	Casing		
Casing Driller	443		
Casing Logger	443		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 55		
pH / Fluid Loss	9.5 / 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.57 @ 74 F		
Rmf @ Meas. Temp	1.93 @ 74 F		
Rmc @ Meas. Temp	3.21 @ 74 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.99 @ 198 F		
Time Circulation Stopped	1400		
Time Logger on Bottom	2215		
Maximum Recorded Temperature	198 F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Brian Cunningham	Ryan Scribner	Gene Hudson

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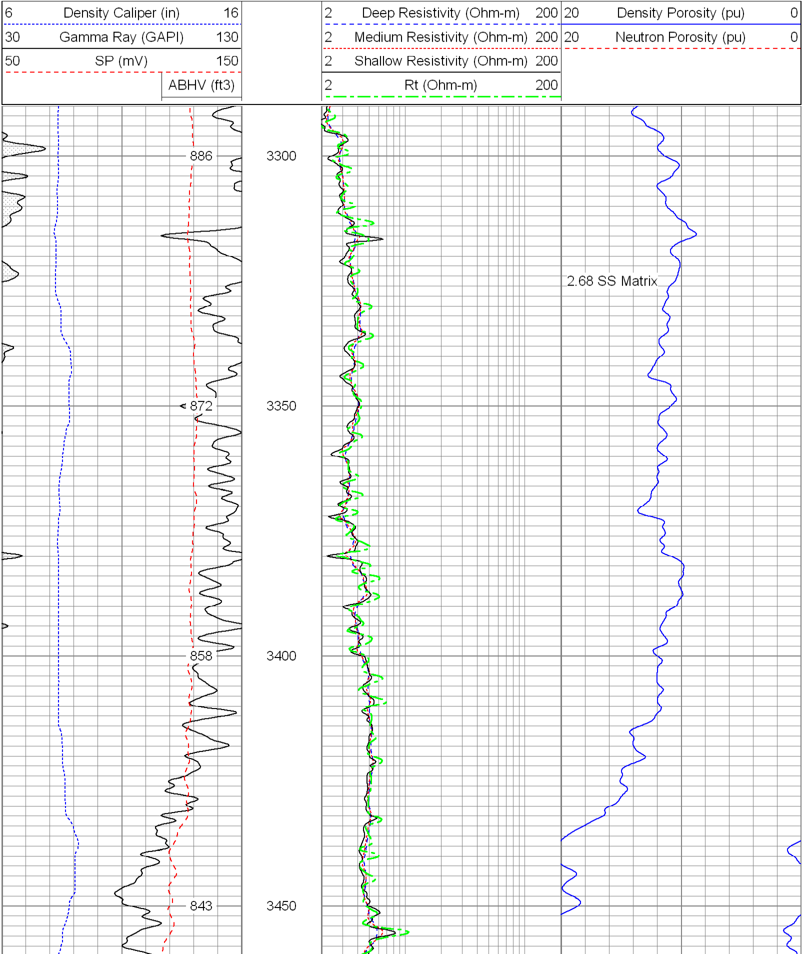
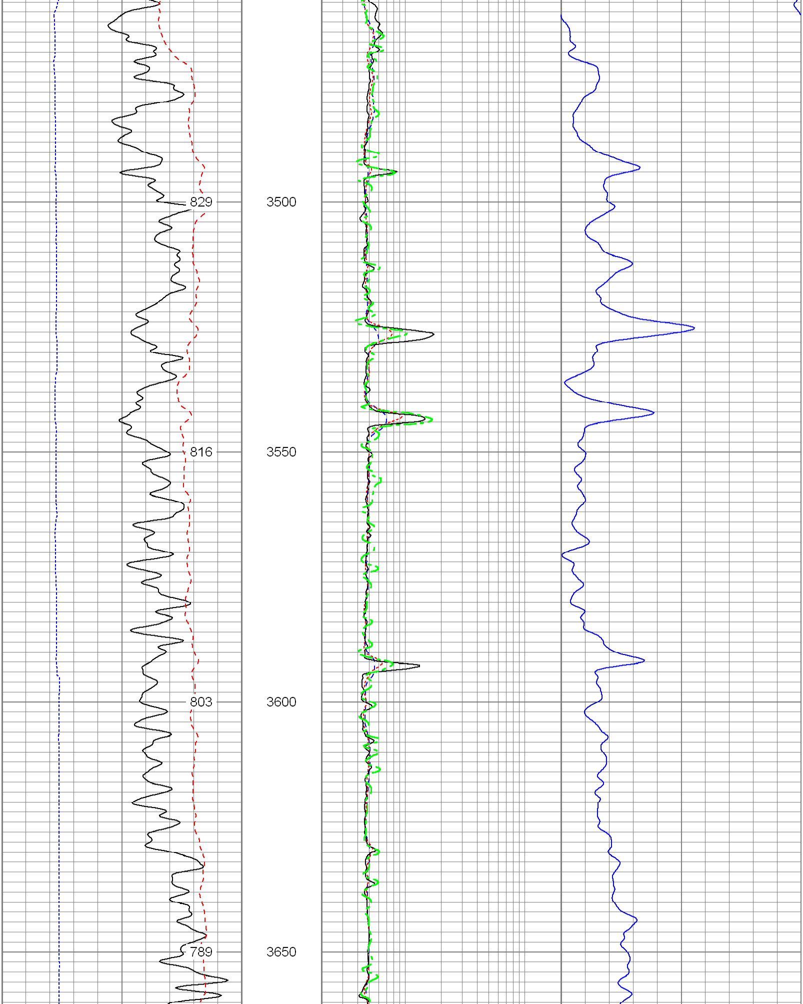
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

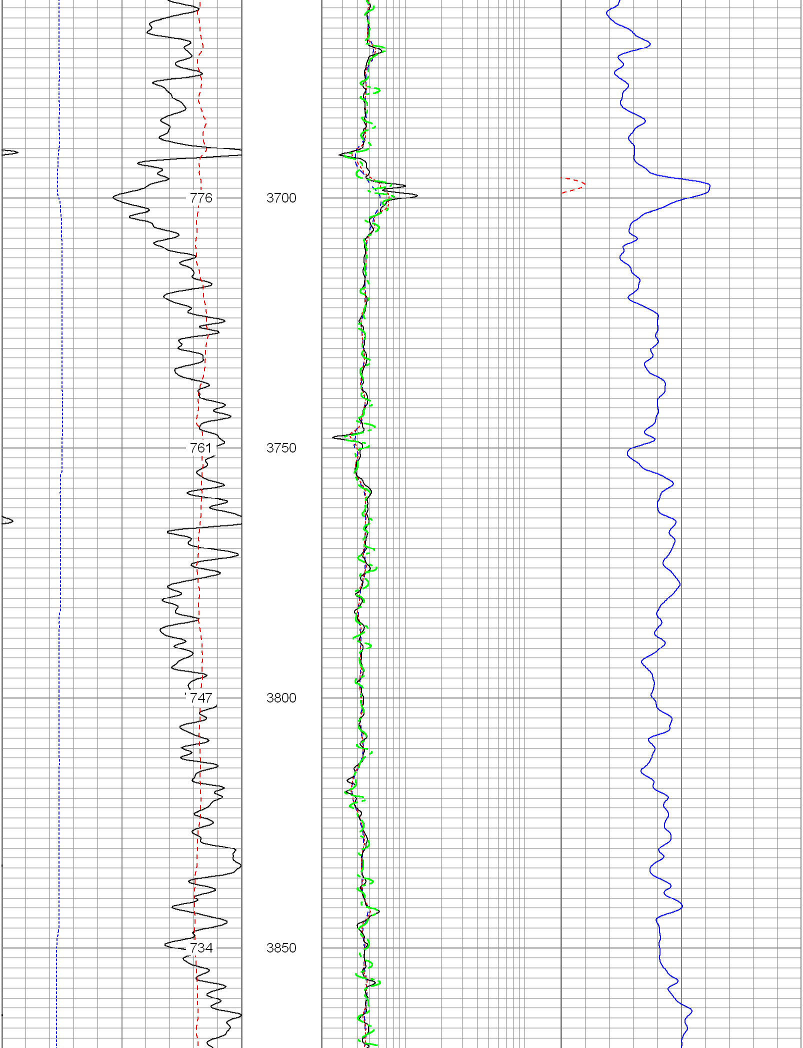
Comments

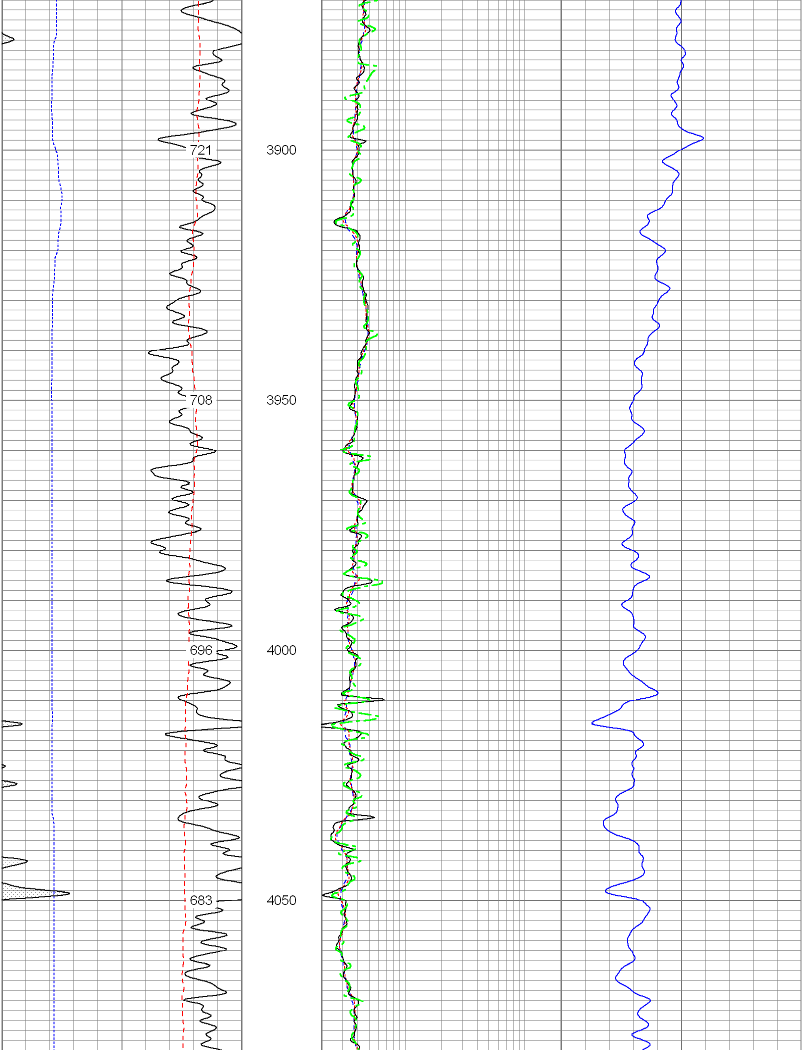
Annular volume calculated for 4.5" casing
Midcontinent Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-33176-00

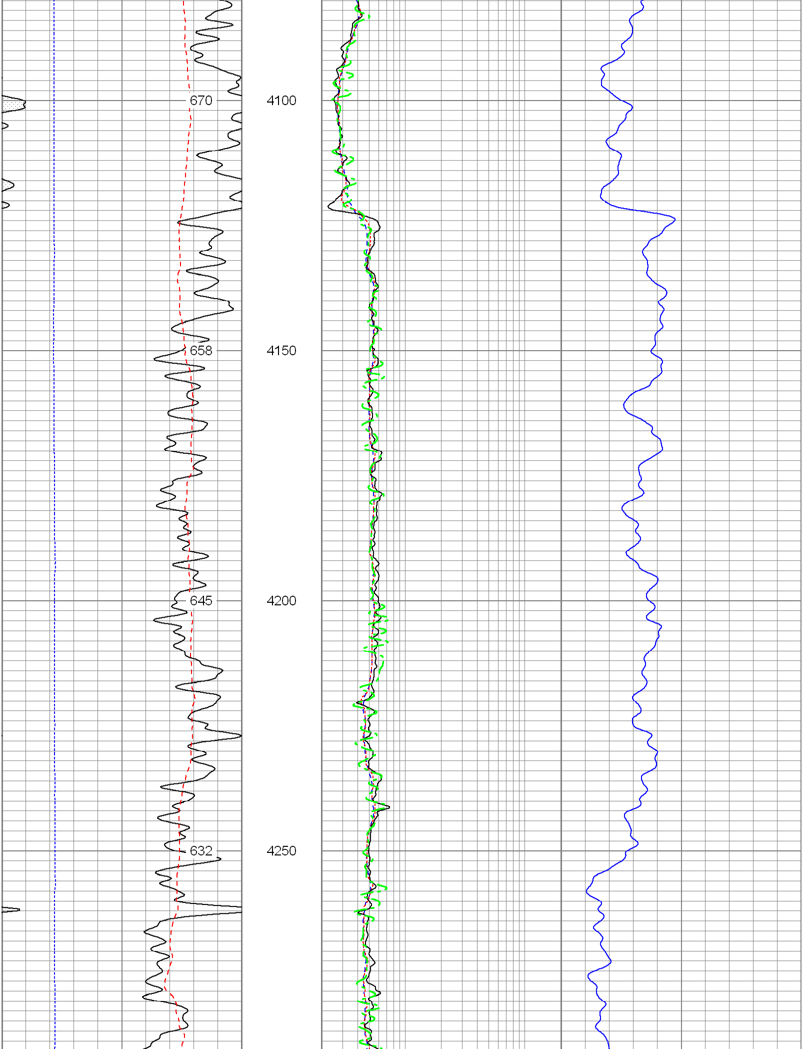
Database File: 11590.db
Dataset Pathname: pass3.4
Presentation Format: pdc1
Dataset Creation: Sat Apr 30 23:35:58 2011
Charted by: Depth in Feet scaled 1:240

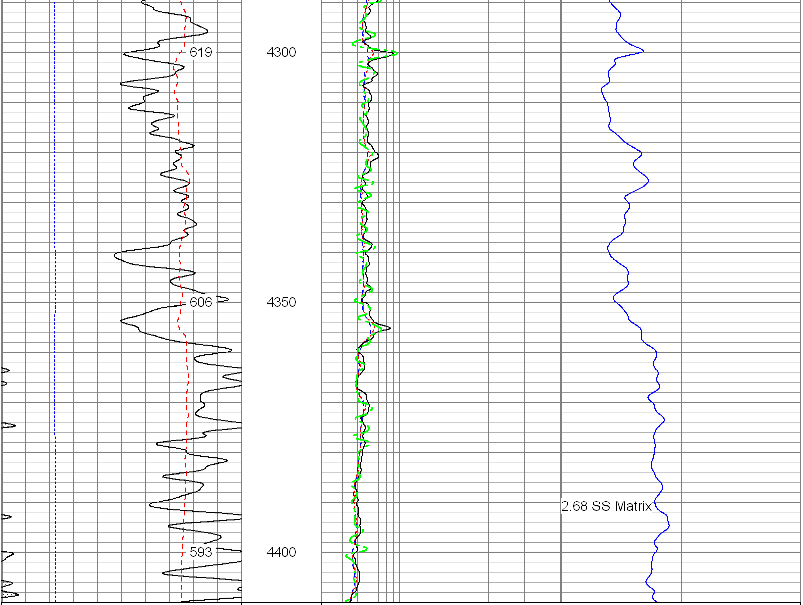












6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
50 SP (mV) 150	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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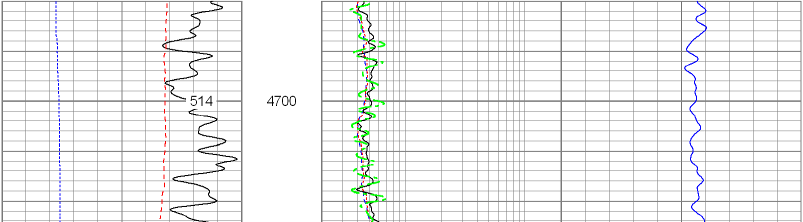

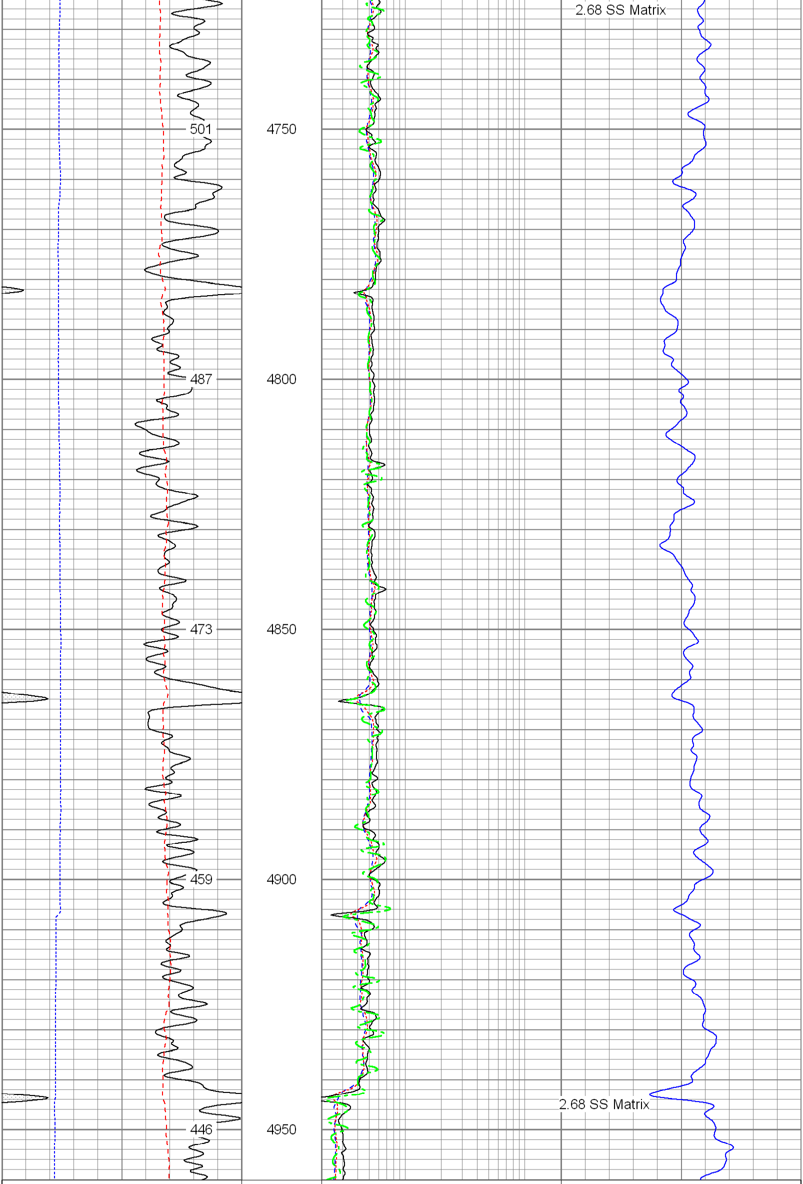

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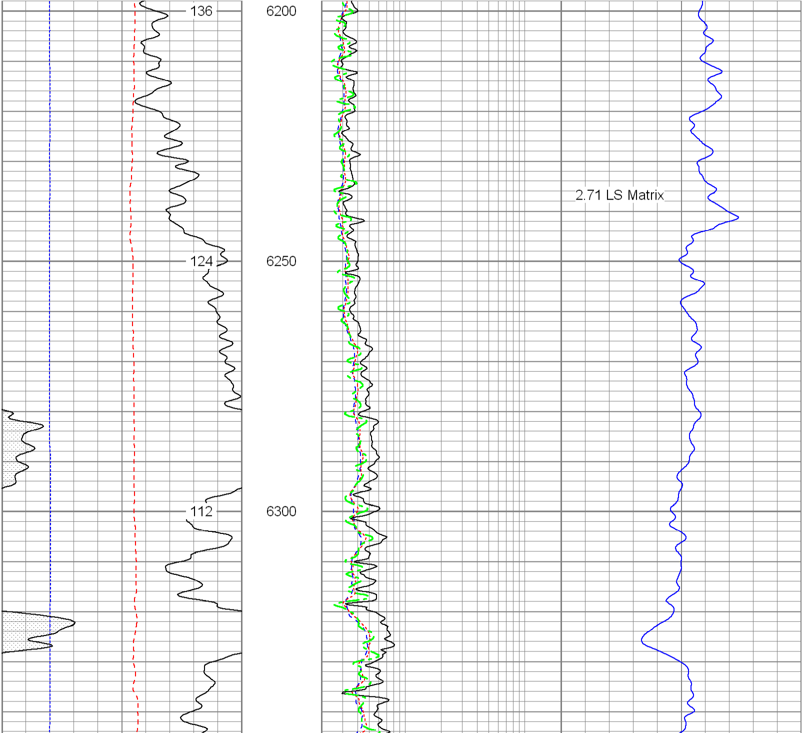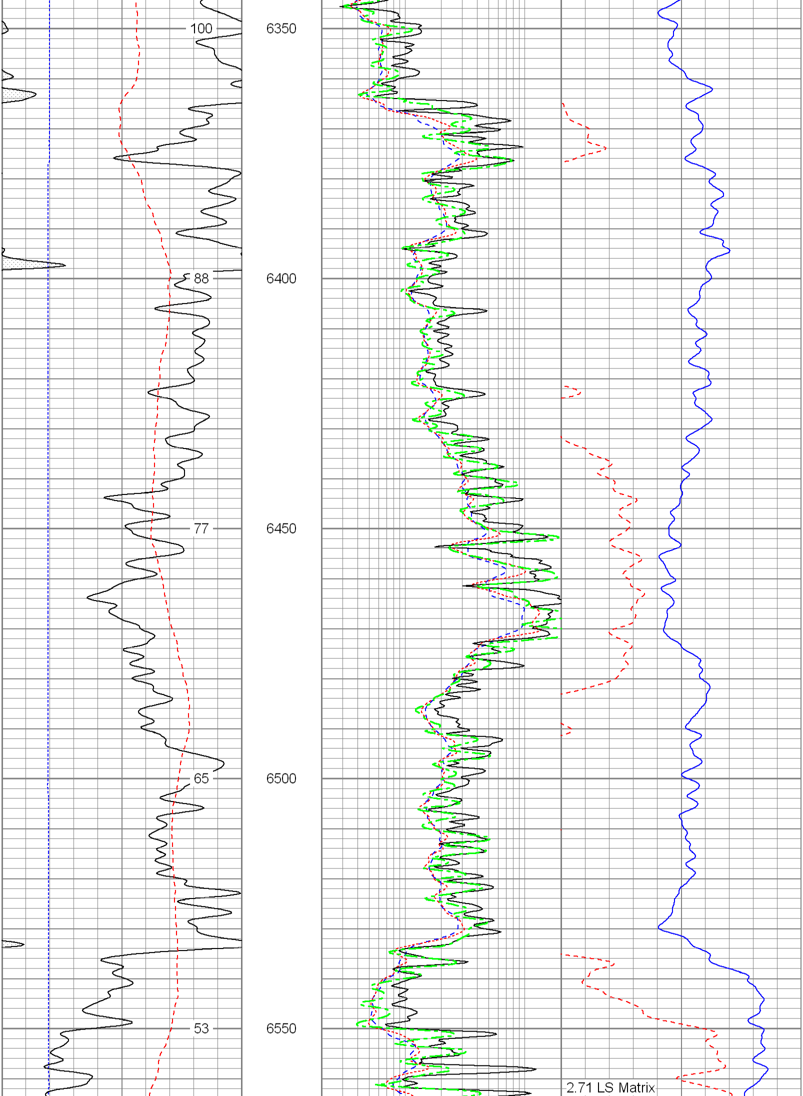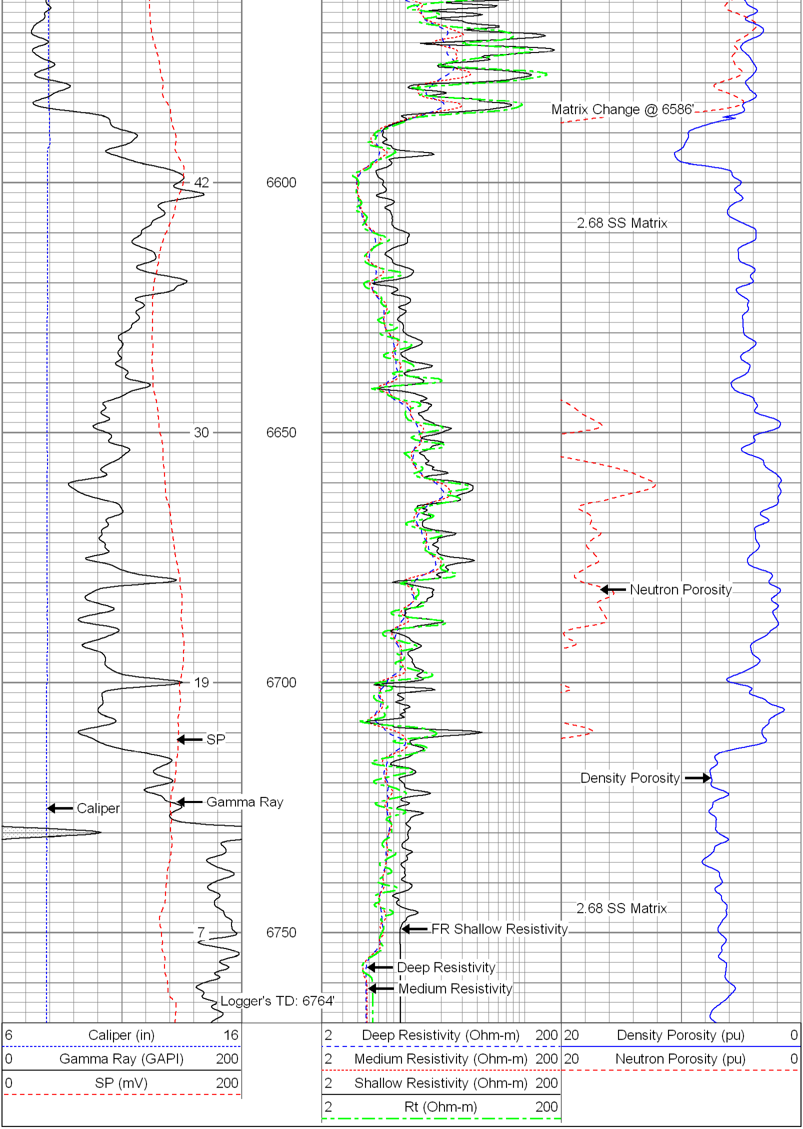6	Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
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