PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Bonanza Creek Energy Operating
Well	Antelope 42-17
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 690' FNL & 660' FEL NENE
BHL: 1986' FNL & 659' FEL SENE
Sec - 17, Twp - 5N, Rge - 62W

Other Services
None

Elevation
K.B. 4718
D.F. 4717
G.L. 4708

Permanent Datum	GL	Elevation	4708
Log Measured From	KB		
Drilling Measured From	KB		

Date	August 16, 2011		
Run Number	1		
Depth Driller	6945		
Depth Logger	6912		
Bottom Logged Interval	6912		
Top Log Interval	Casing		
Casing Driller	516		
Casing Logger	516		
Bit Size	7-7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	9.1 / 40		
pH / Fluid Loss	7.0 / 11.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.40 @ 85 F		
Rmf @ Meas. Temp	1.70 @ 85 F		
Rmc @ Meas. Temp	3.10 @ 85 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.02 @ 201 F		
Time Circulation Stopped	2245 8/15		
Time Logger on Bottom	0730		
Maximum Recorded Temperature	201 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Gene Hudson	Robin Brackman	

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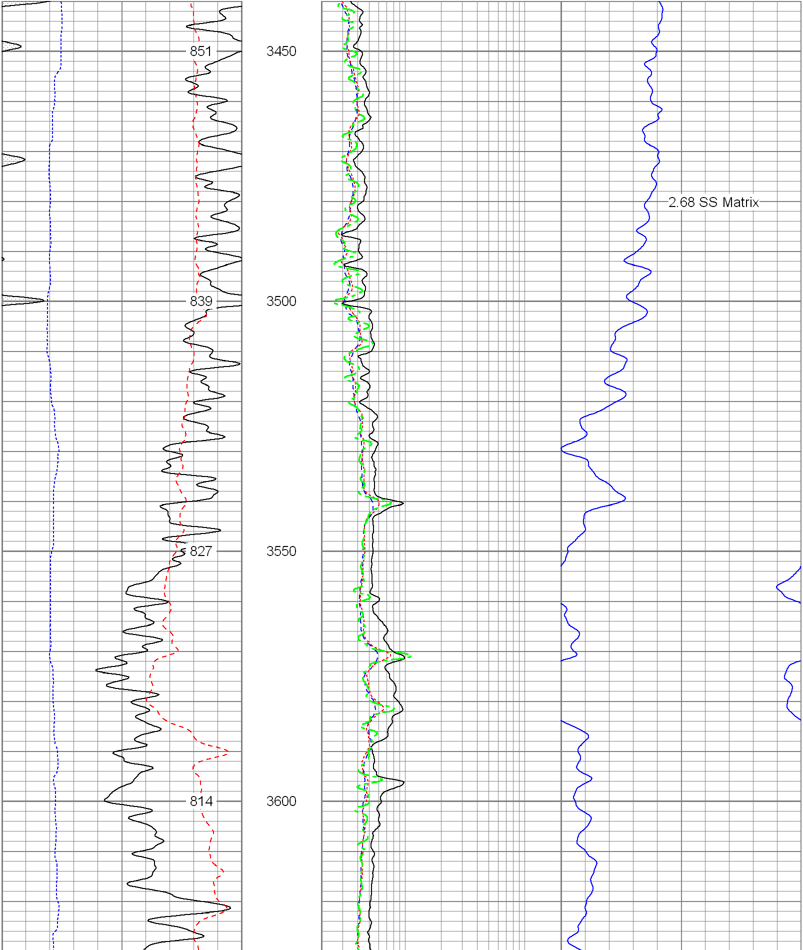
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

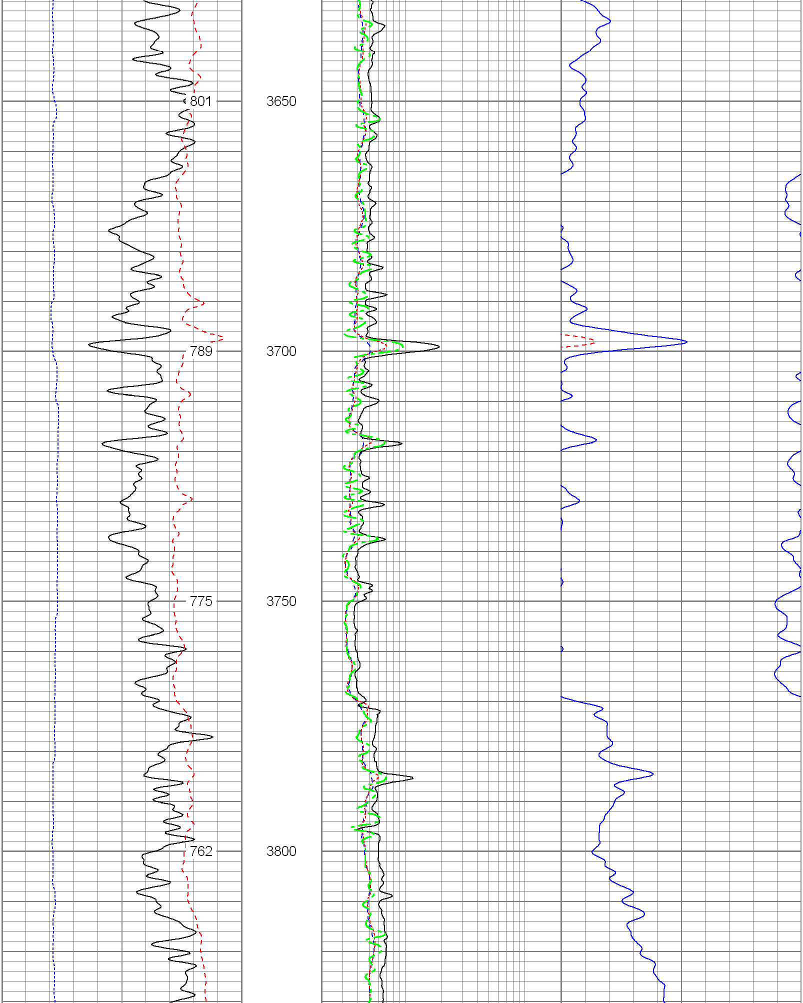
Comments

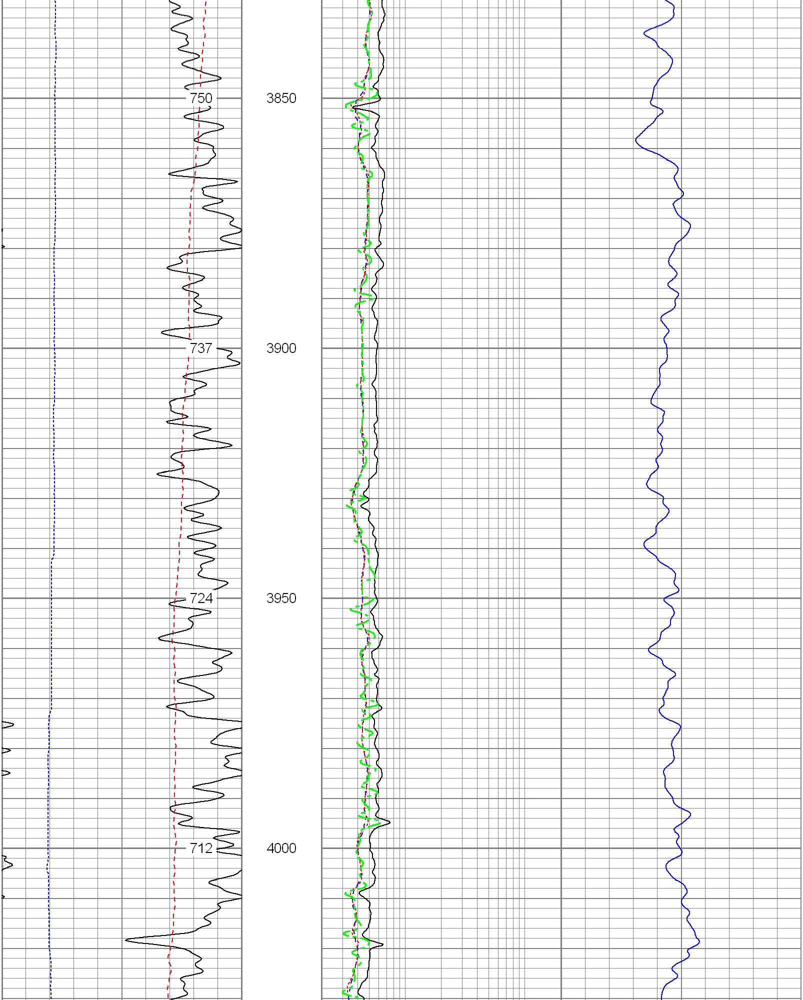
Annular volume calculated for 4.5" casing
Mid Continent Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-33726-00
No Repeat Due to Hole Conditions

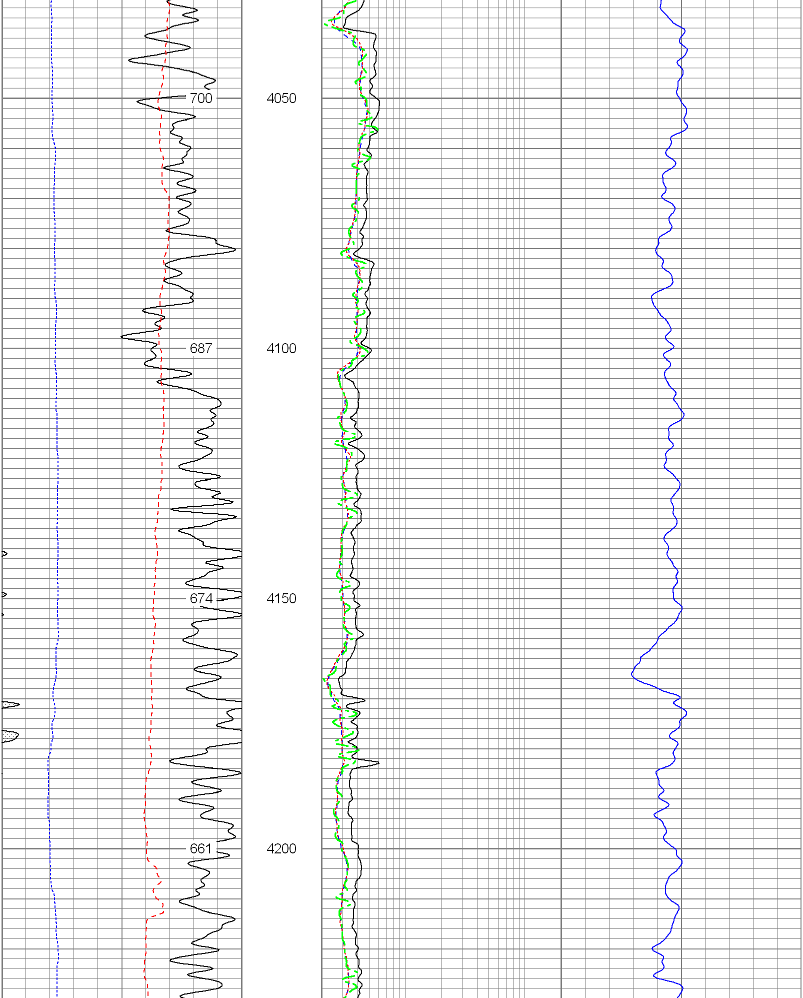
Database File: 11890.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Tue Aug 16 08:05:04 2011
Charted by: Depth in Feet scaled 1:240

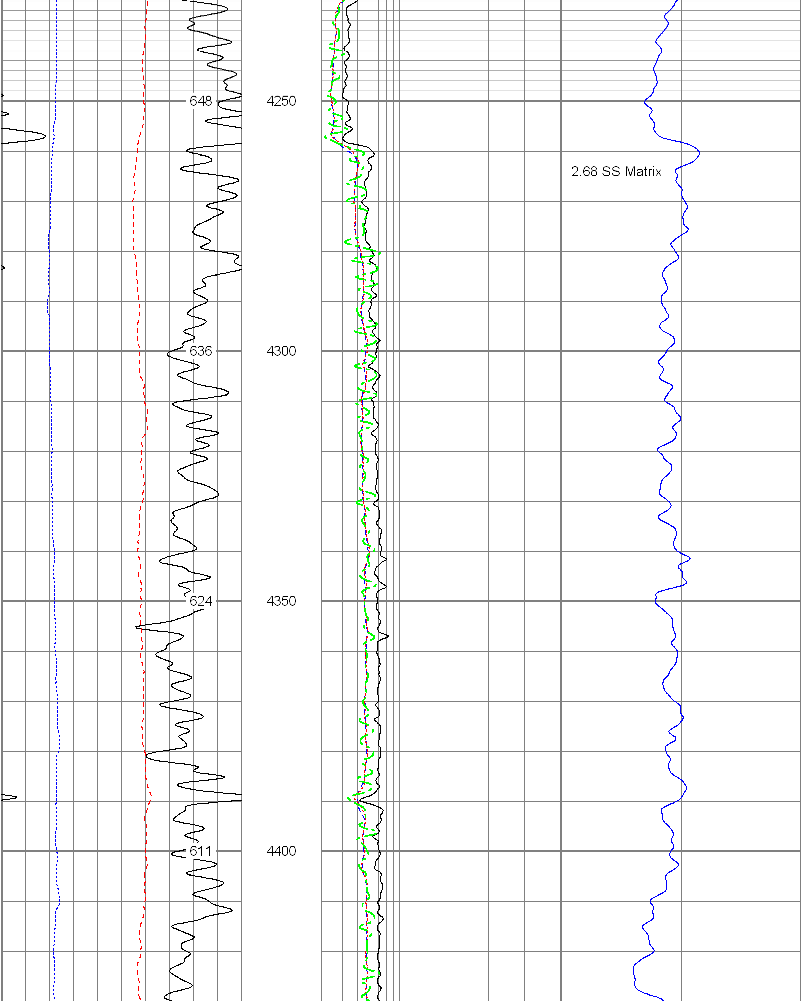
6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
80 SP (mV) 180	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

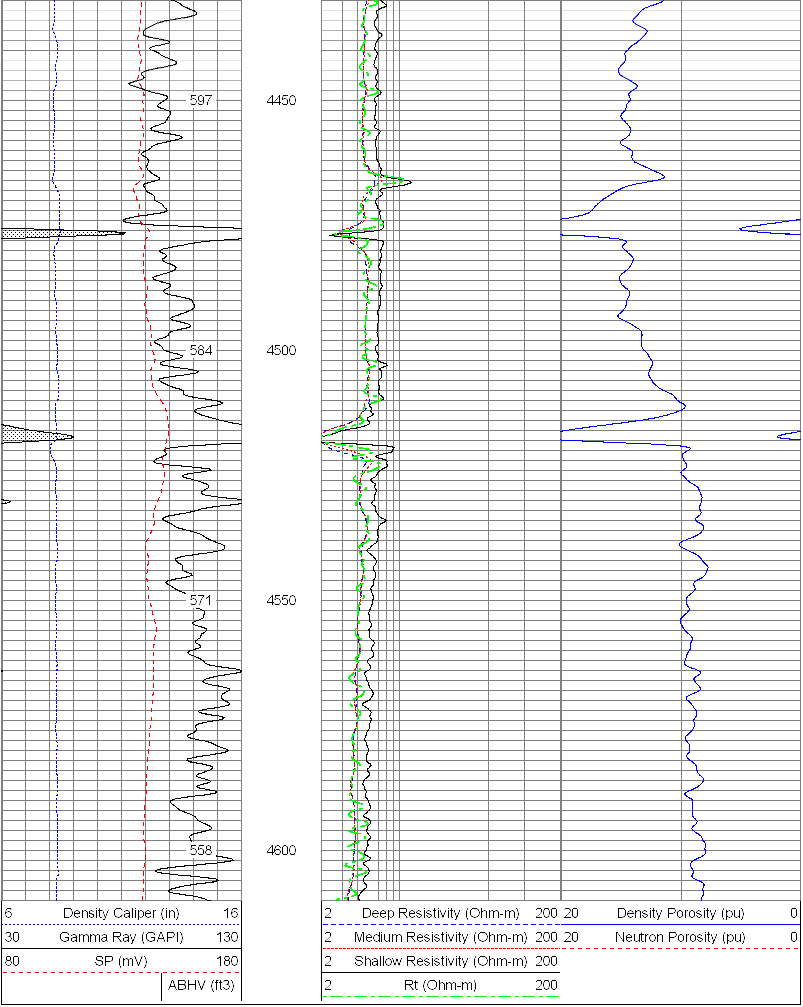












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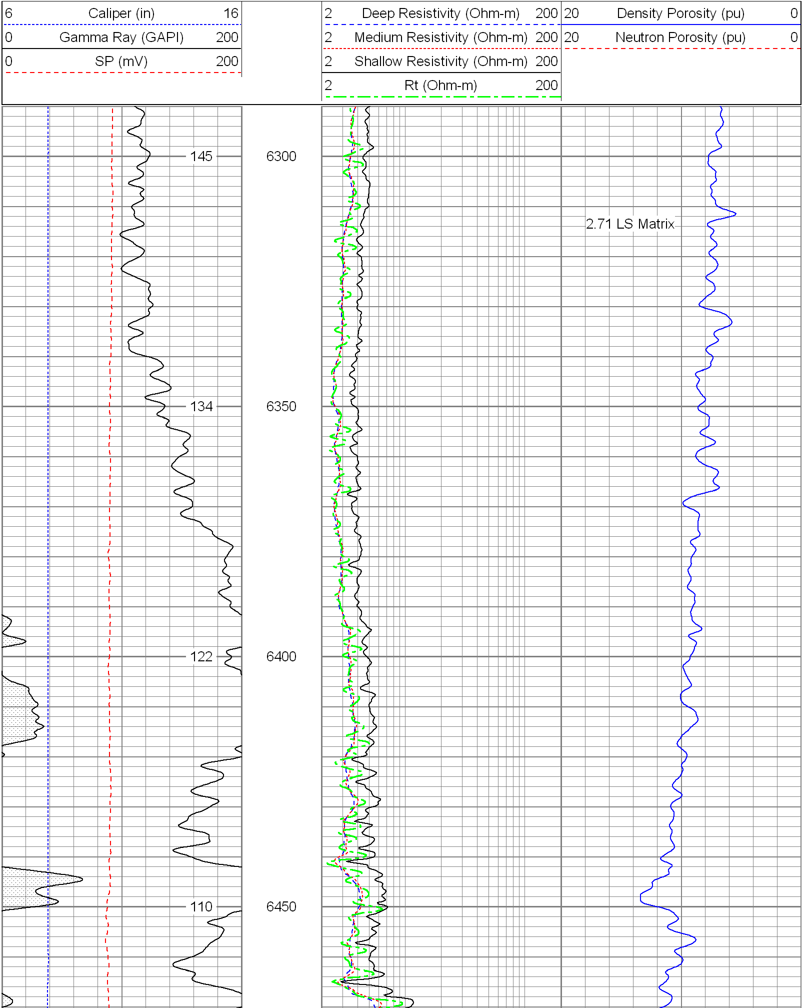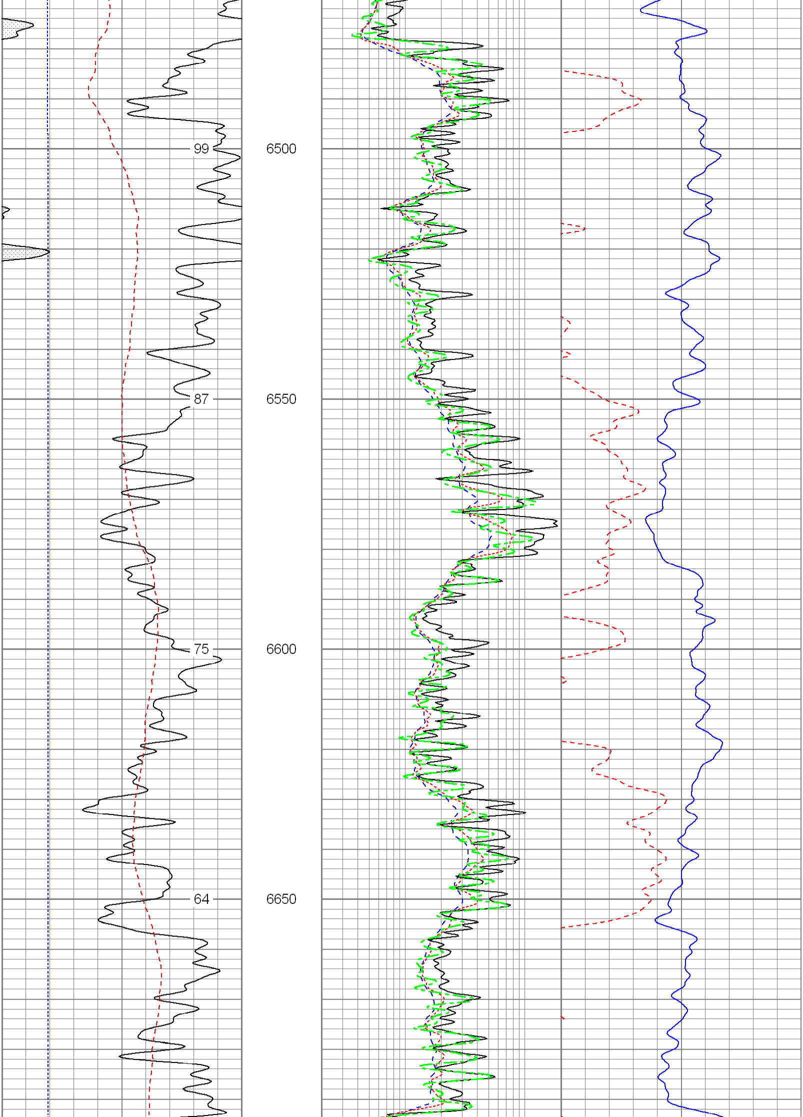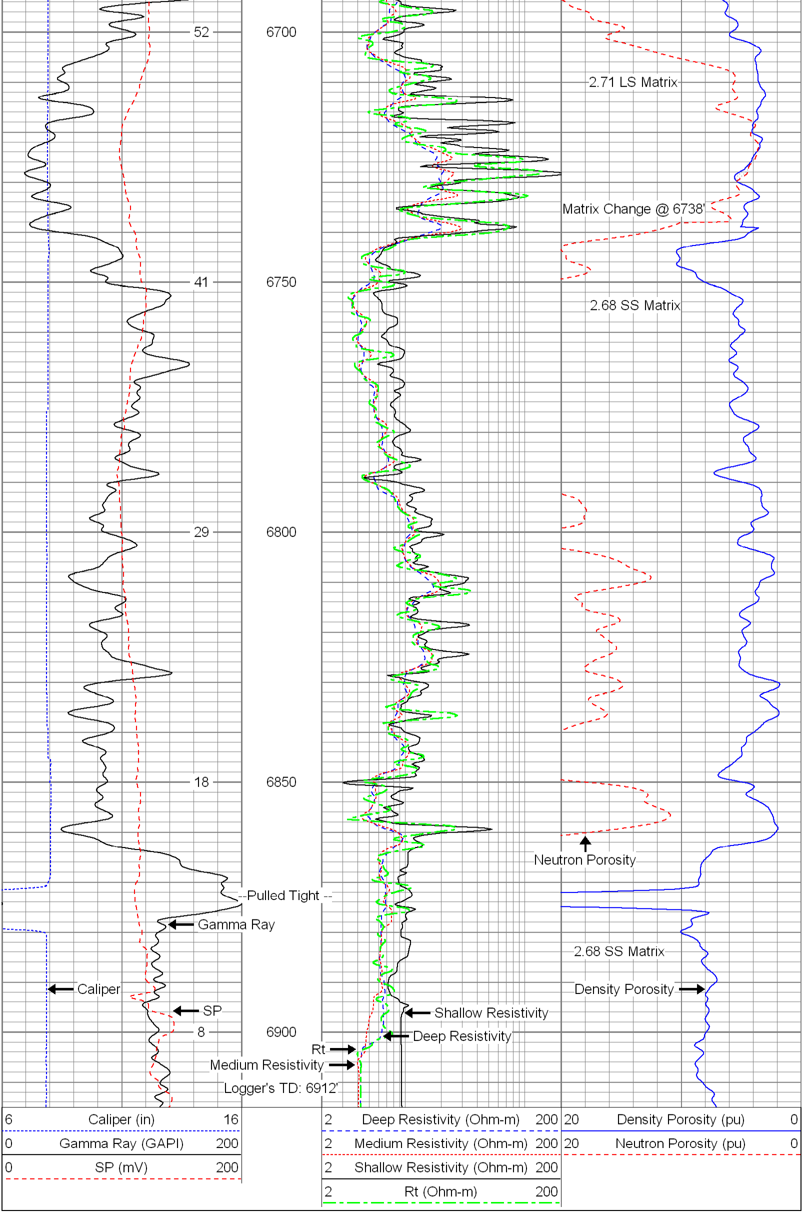
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
145
134
122
110
6300
6350
6400
6450
2.71 LS Matrix