PSI
PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company **Bonanza Creek Energy Operating**
Well **North Platte 34-33**
Field **Wattenberg**
County **Weld** State/Province **Colorado**

Location SHL: 475' FNL & 474' FEL NENE
Sec - 4, Twp - 4N, Rge - 63W
BHL: 673' FSL & 1975' FEL SWSE
Sec - 33, Twp - 5N, Rge - 63W

Other Services
None

Permanent Datum GL Elevation 4535
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4551
D.F. 4550
G.L. 4535

Date	June 27, 2011		
Run Number	1		
Depth Driller	6910		
Depth Logger	6911		
Bottom Logged Interval	6911		
Top Log Interval	Casing		
Casing Driller	754		
Casing Logger	754		
Bit Size	7-7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	9.2 / 62		
pH / Fluid Loss	9.0 / 10.0		
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	0.96 @ 203 F		
Time Circulation Stopped	0100		
Time Logger on Bottom	0745		
Maximum Recorded Temperature	203 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Dodge	Cunningham	Harris

<<< Fold Here >>>

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

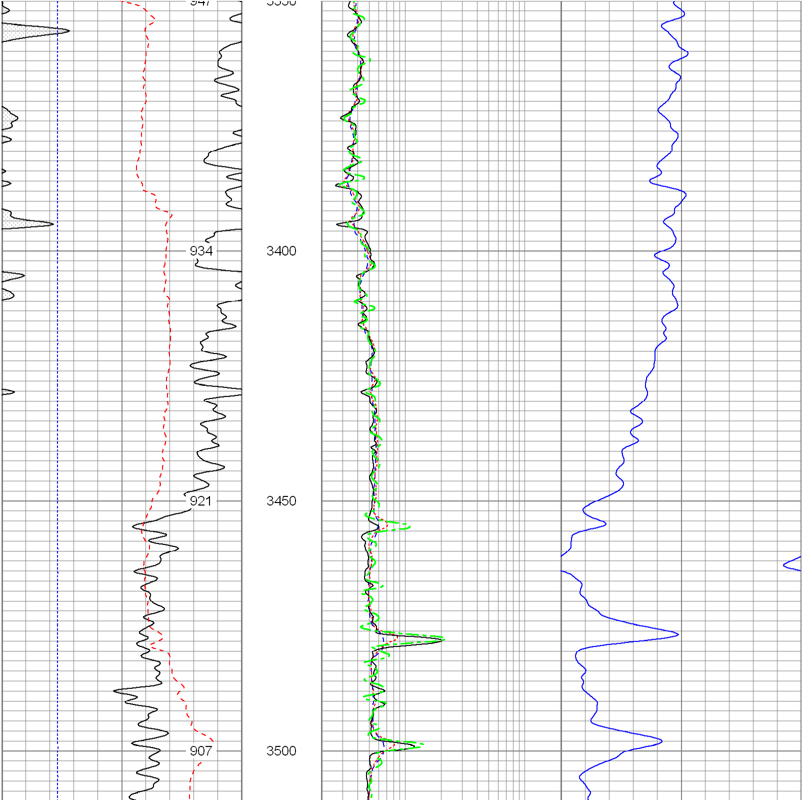
Annular volume calculated for 4.5" casing
Ensign Rig 7
Thank you for using Phoenix Surveys!!
API #: 05-123-33369

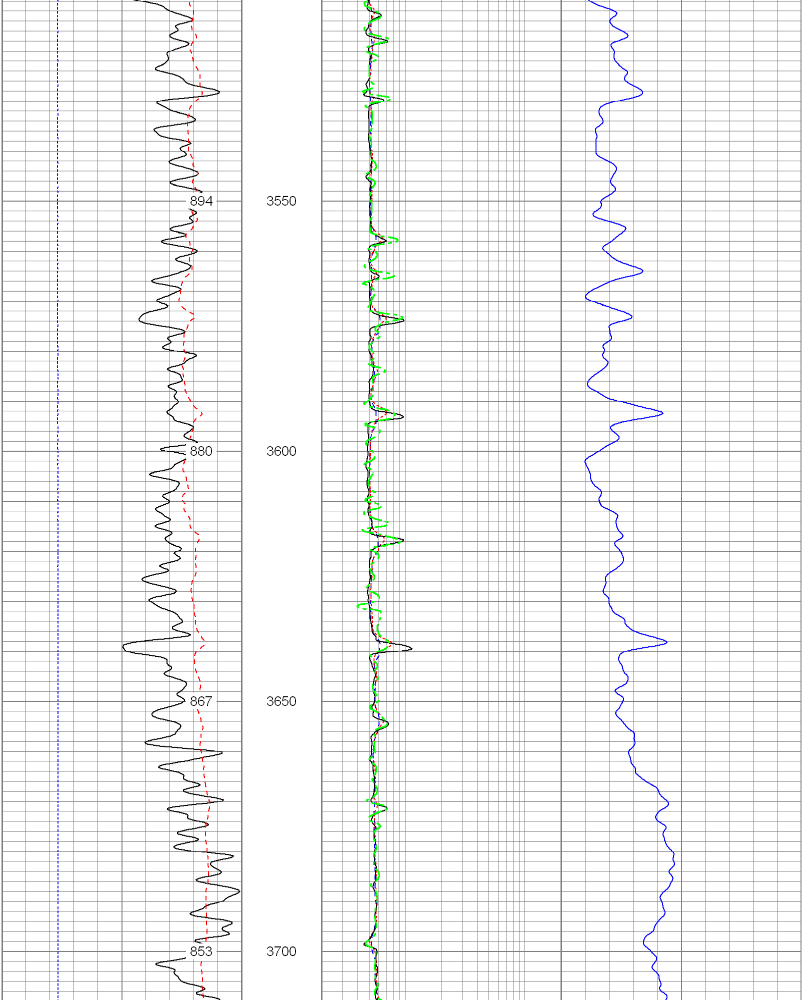
Database File: 11770.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Mon Jun 27 08:45:20 2011
Charted by: Depth in Feet scaled 1:240

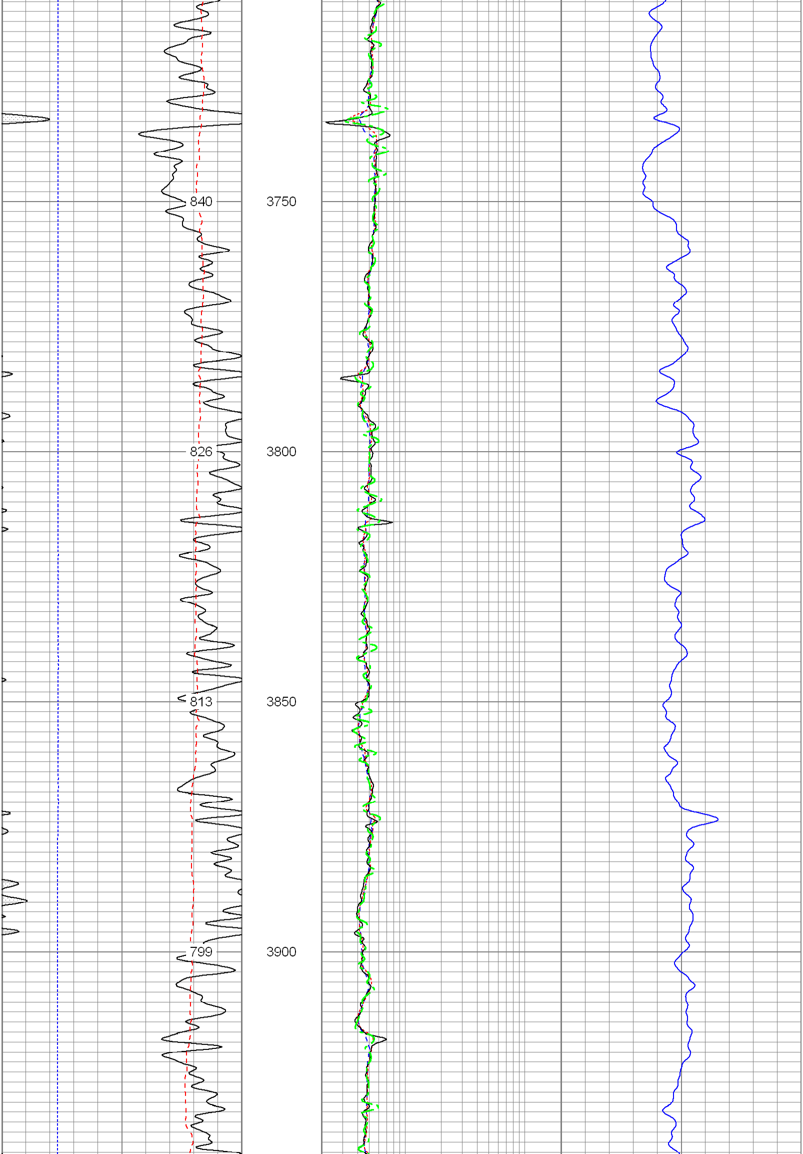
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
100 SP (mV) 200
ABHV (ft3)

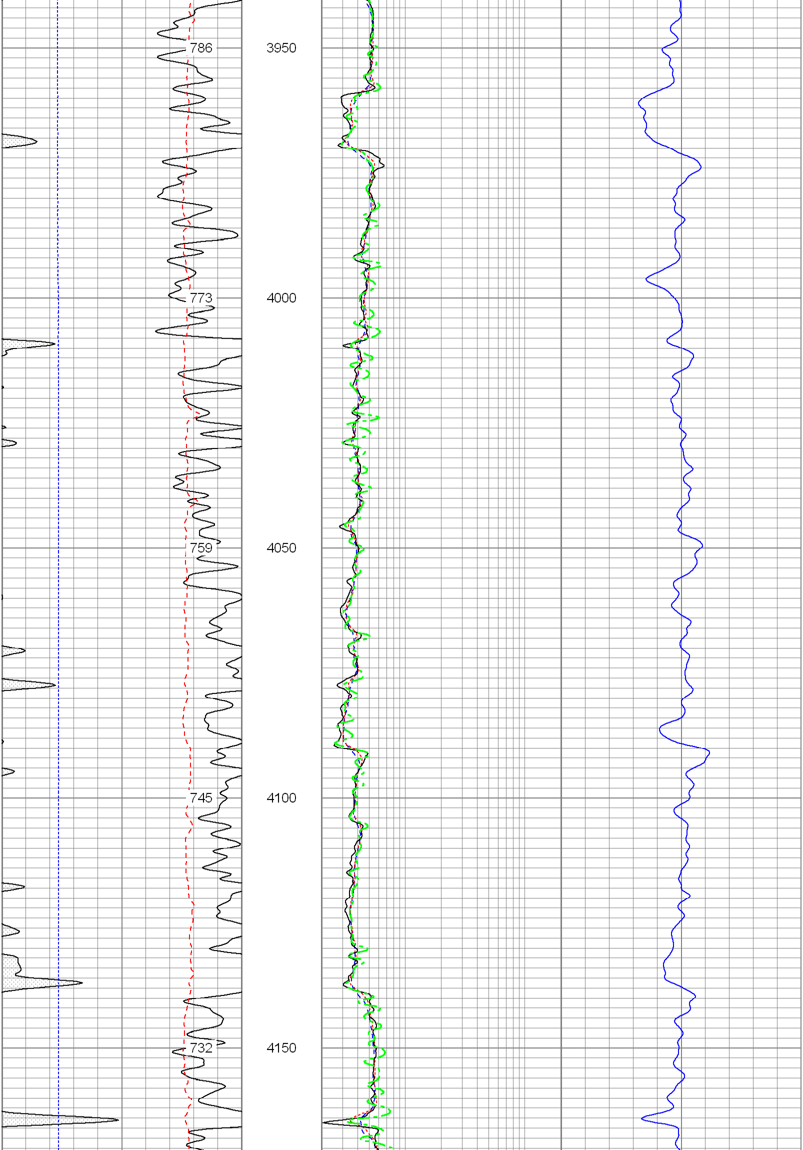
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

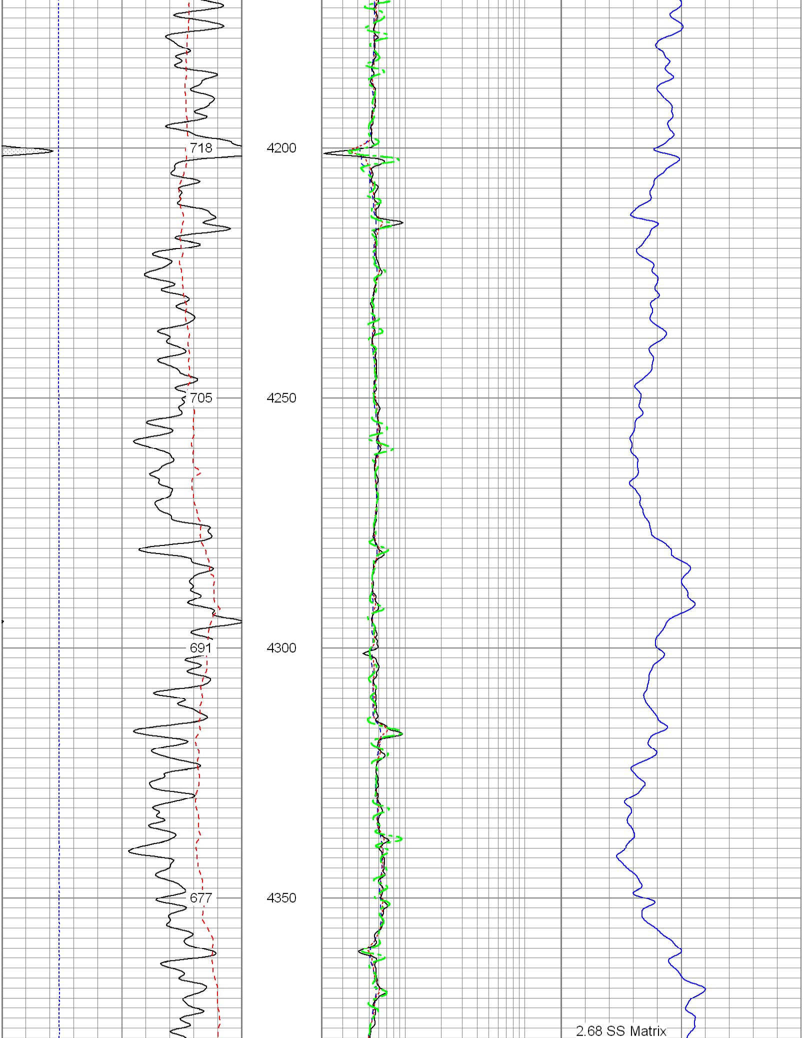
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

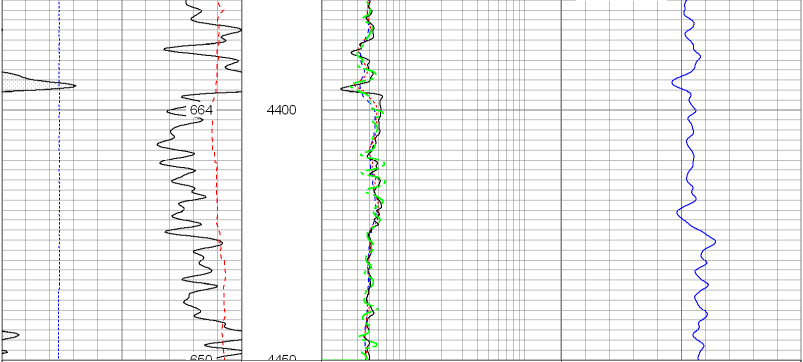






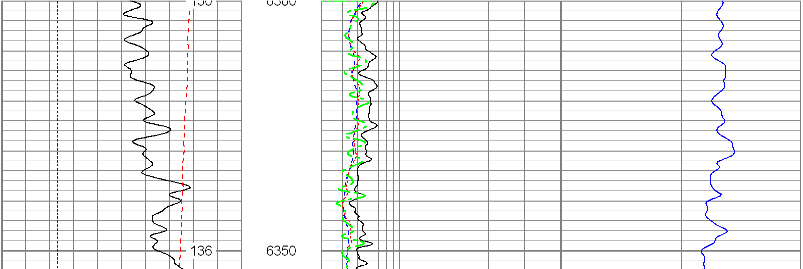
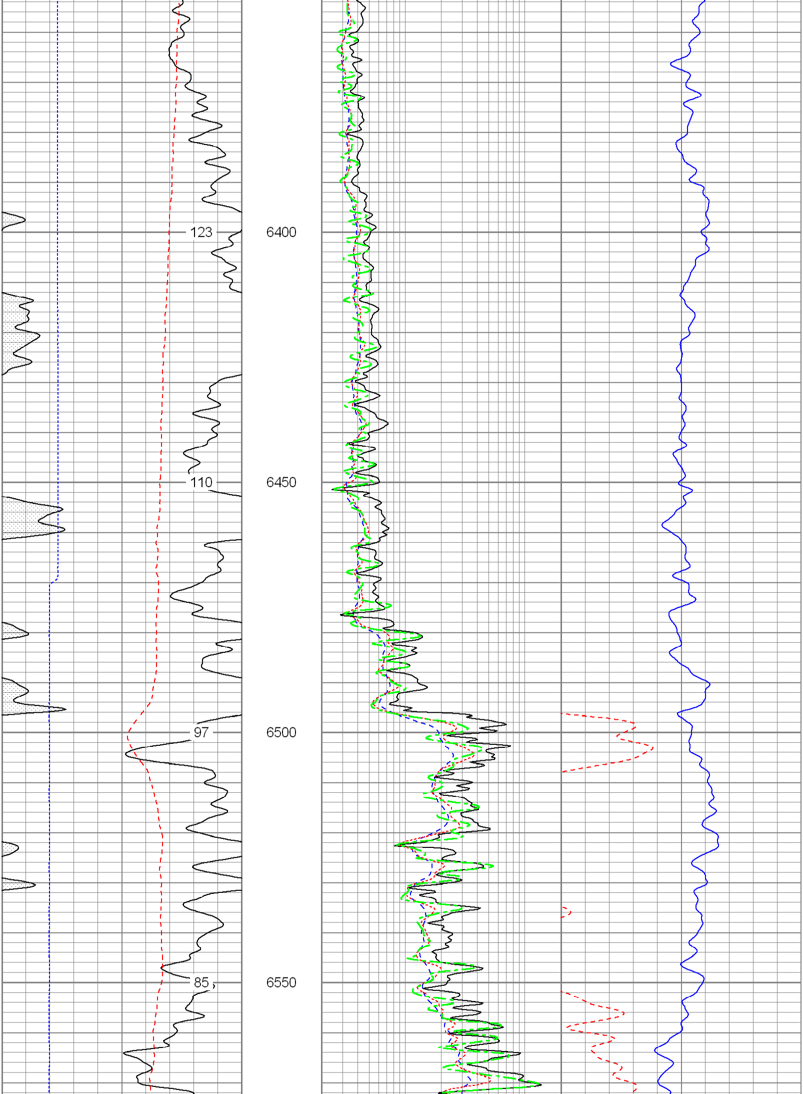
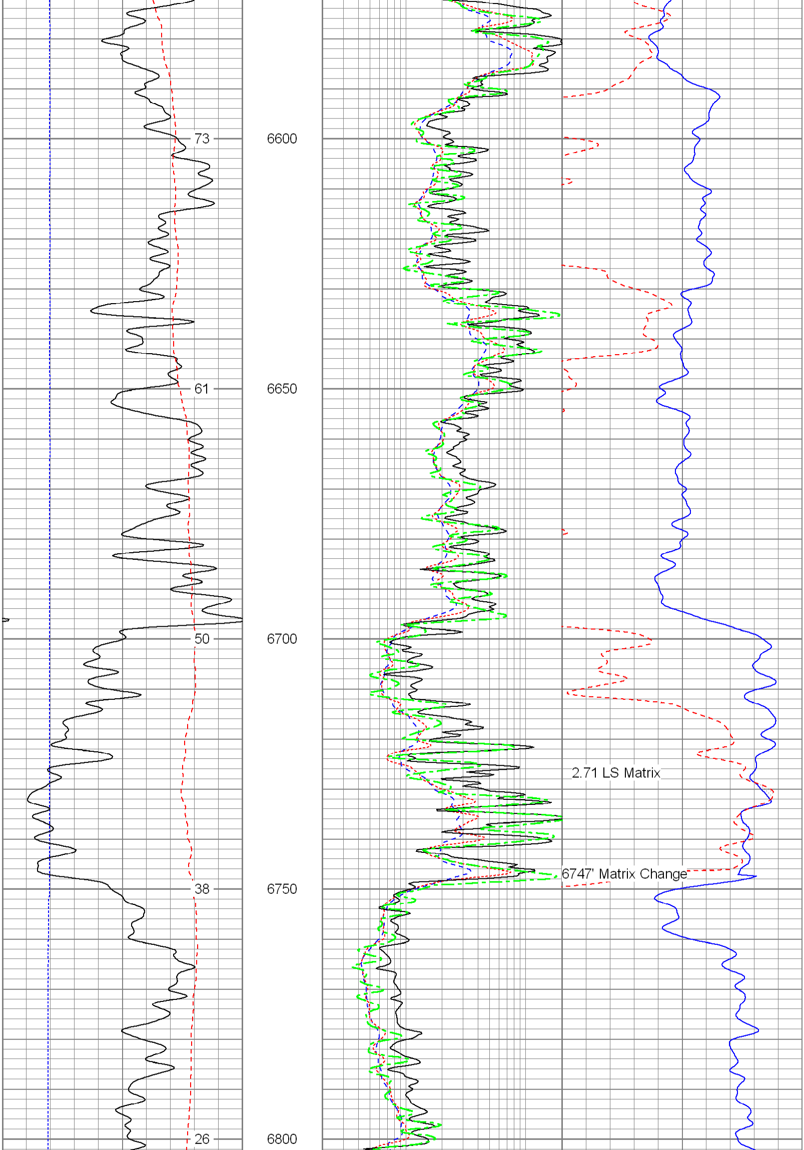
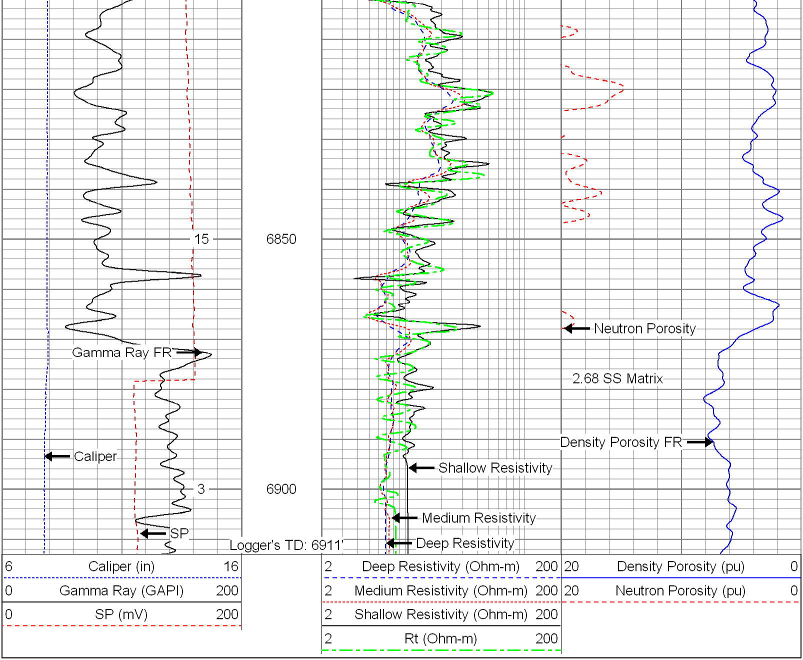






6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
100 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

Database File:	11770.db
Dataset Pathname:	main
Presentation Format:	pdc
Dataset Creation:	Mon Jun 27 08:45:20 2011
Charted by:	Depth in Feet scaled 1:240

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