Pioneer Energy Services

COMPENSATED DENSITY
COMPENSATED NEUTRON
HIGH RESOLUTION INDUCTION

Company Peterson Energy Operating Inc.
Well Hoshiko 34-25
Field Wattenberg
County Weld
State Colorado

Company	Peterson Energy Operating Inc.		
Well	Hoshiko 34-25		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123362640000

SHL: 871' FSL & 2322' FEL SWSE
BHL: 782' FSL & 1953' FEL SWSE

SEC 25 TWP 5N RGE 64W

Permanent Datum	GL	Elevation	4588
Log Measured From	KB		
Drilling Measured From	KB		

Other Services

None

Elevation

K.B. 4603
D.F. 4602
G.L. 4588

Date	December 6, 2012		
Run Number	1		
Depth Driller	6877		
Depth Logger	6849		
Bottom Logged Interval	6849		
Top Log Interval	Casing		
Casing Driller	560		
Casing Logger	560		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 55		
pH / Fluid Loss	7.0 / 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.15 @ 60° F		
Rmf @ Meas. Temp	2.52 @ 60° F		
Rmc @ Meas. Temp	3.78 @ 60° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.95 @ 198° F		
Time Circulation Stopped	2100 12/5		
Time Logger on Bottom	0530		
Maximum Recorded Temperature	198° F		
Equipment Number	48		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Garth Owens		

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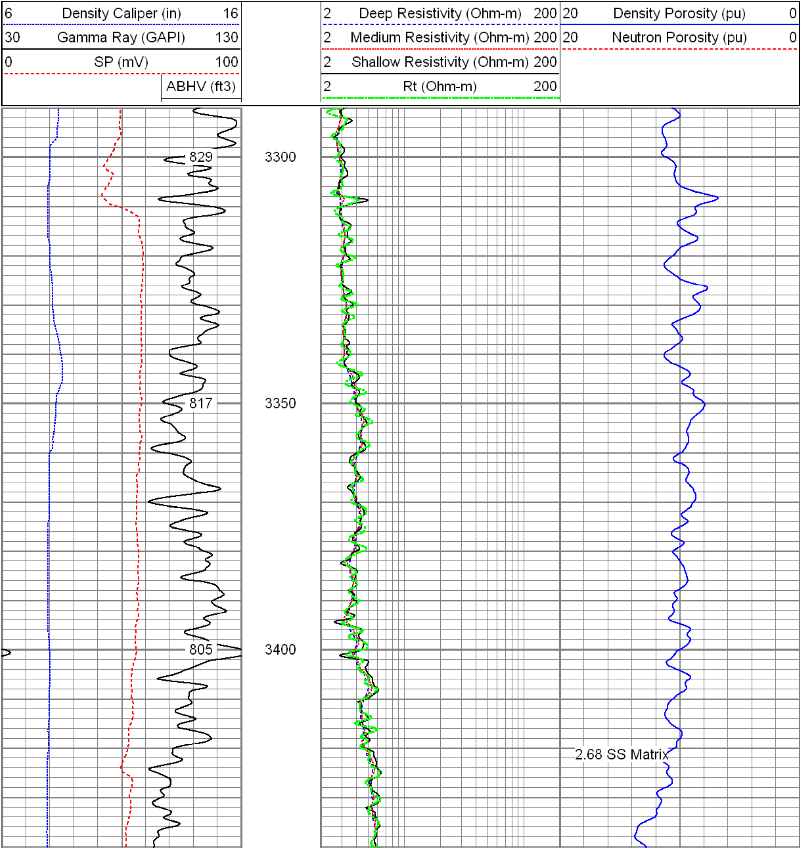
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

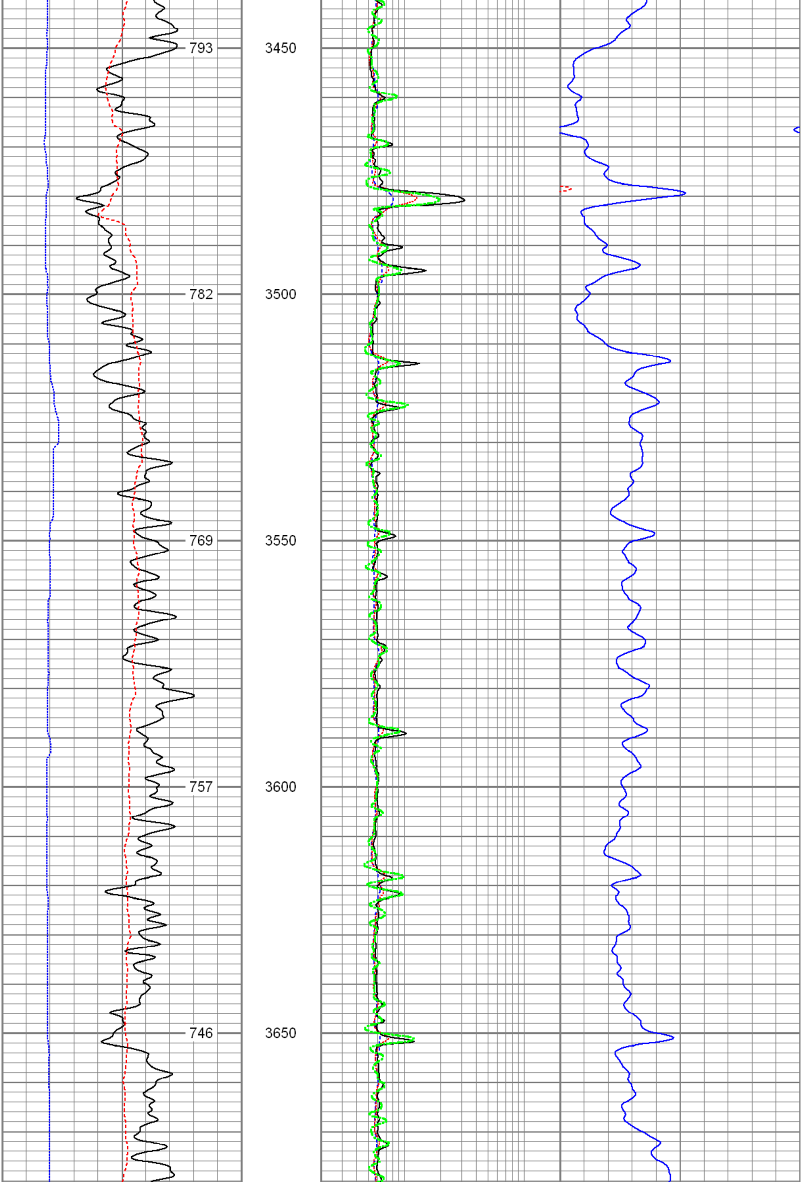
Comments

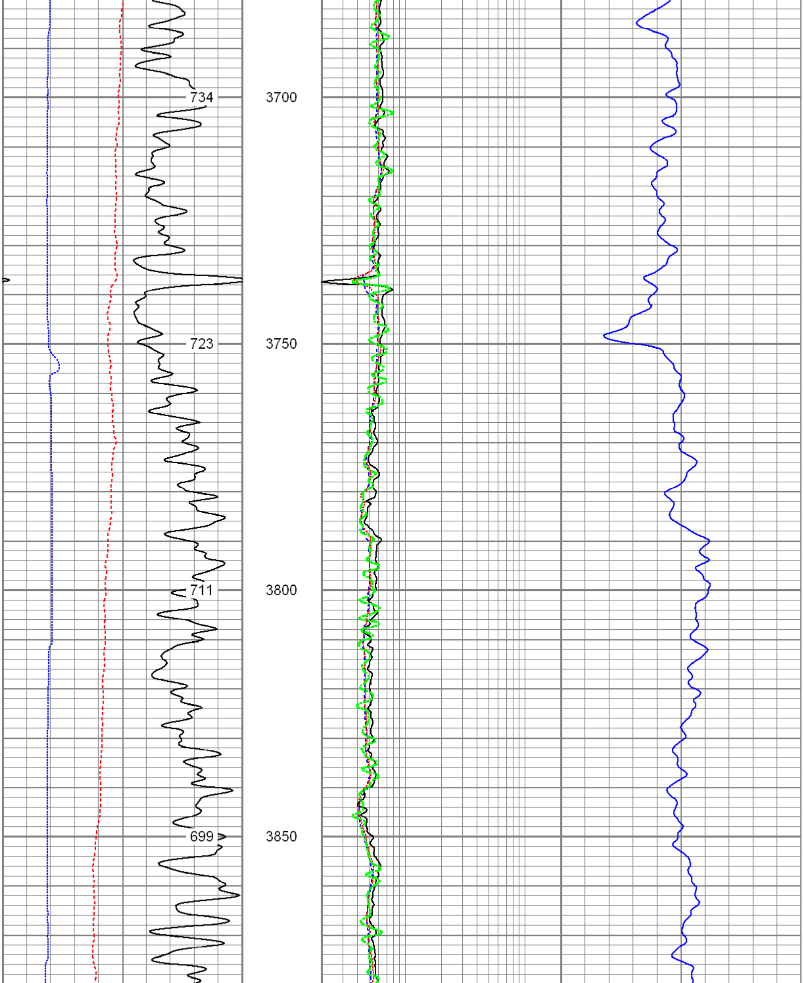
Annular volume calculated for 4-1/2" casing
Ensign Rig 128
Thank you for using Pioneer Energy Services!!

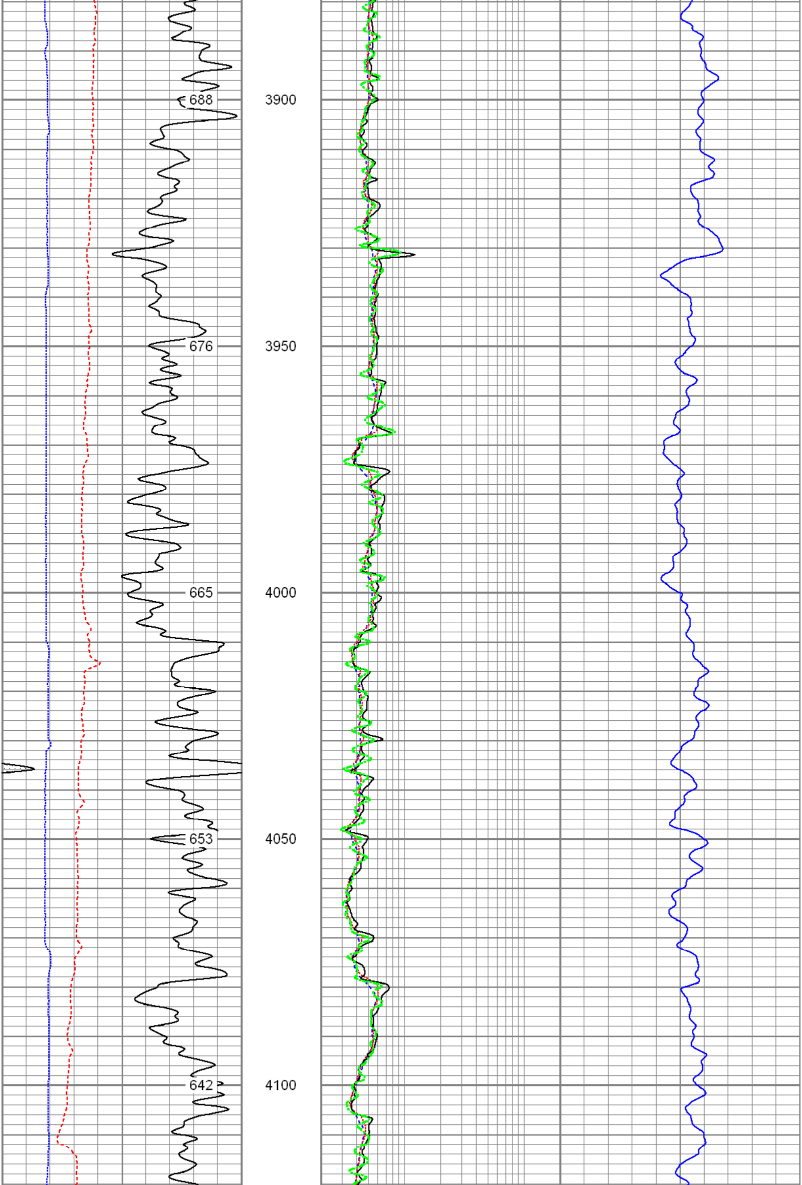
No Repeat Due to Hole Conditions

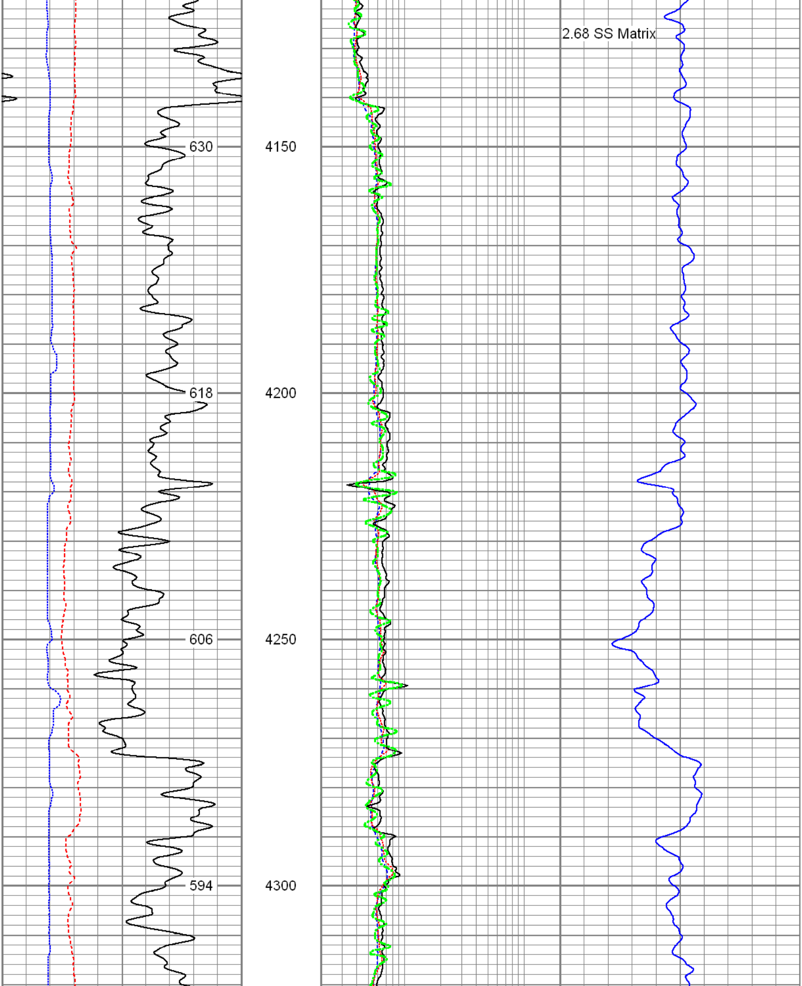
Database File: 12727.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Thu Dec 06 05:27:55 2012
Charted by: Depth in Feet scaled 1:240

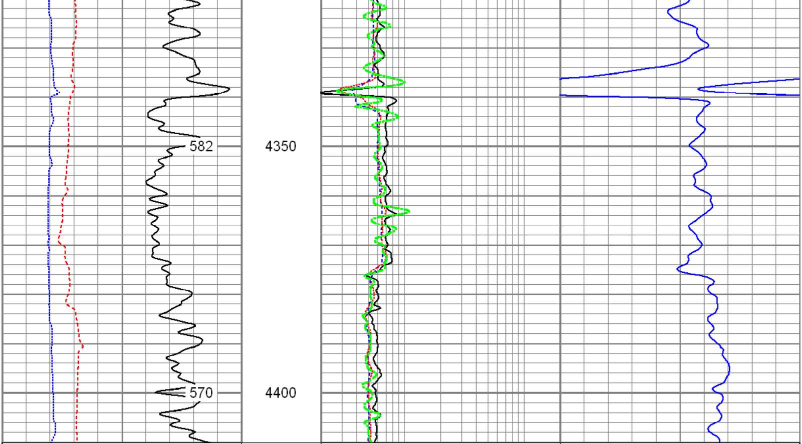












6 Density Caliper (in) 16		2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130		2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
0 SP (mV) 100		2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)		2 Rt (Ohm-m) 200	

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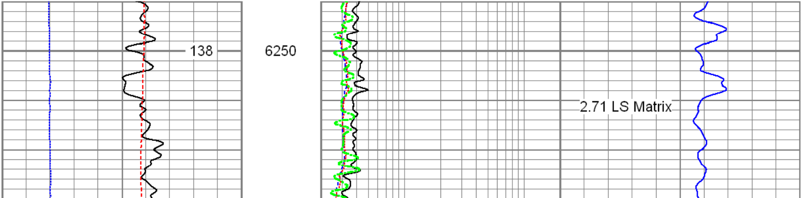
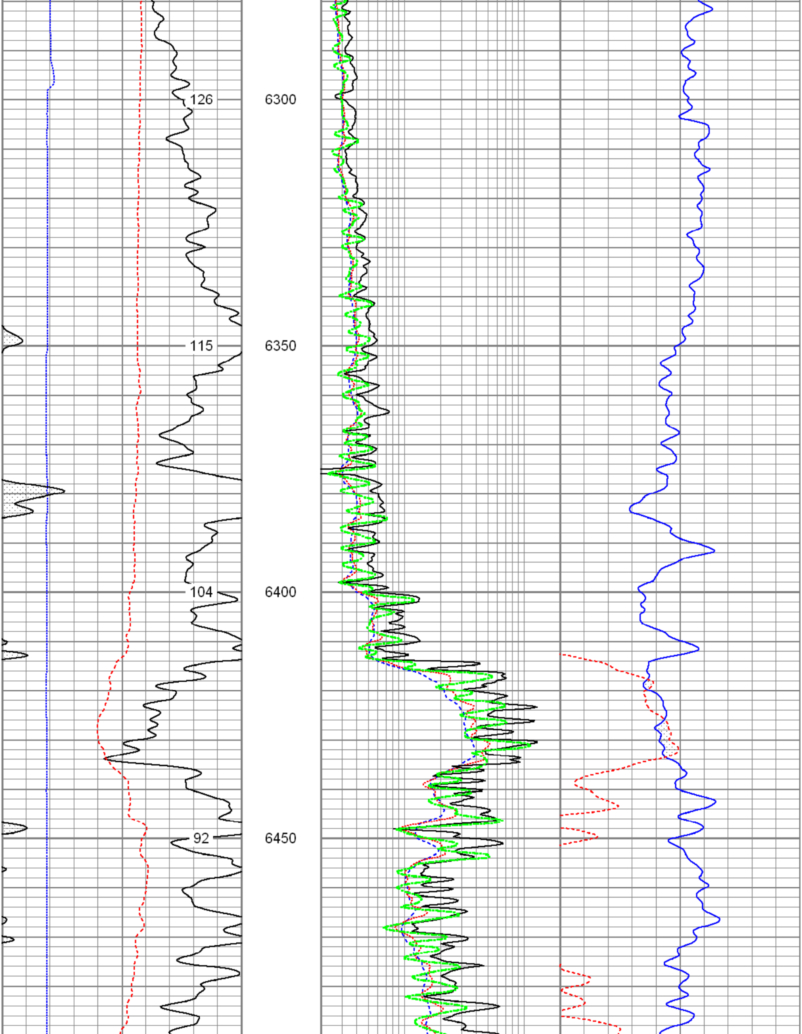
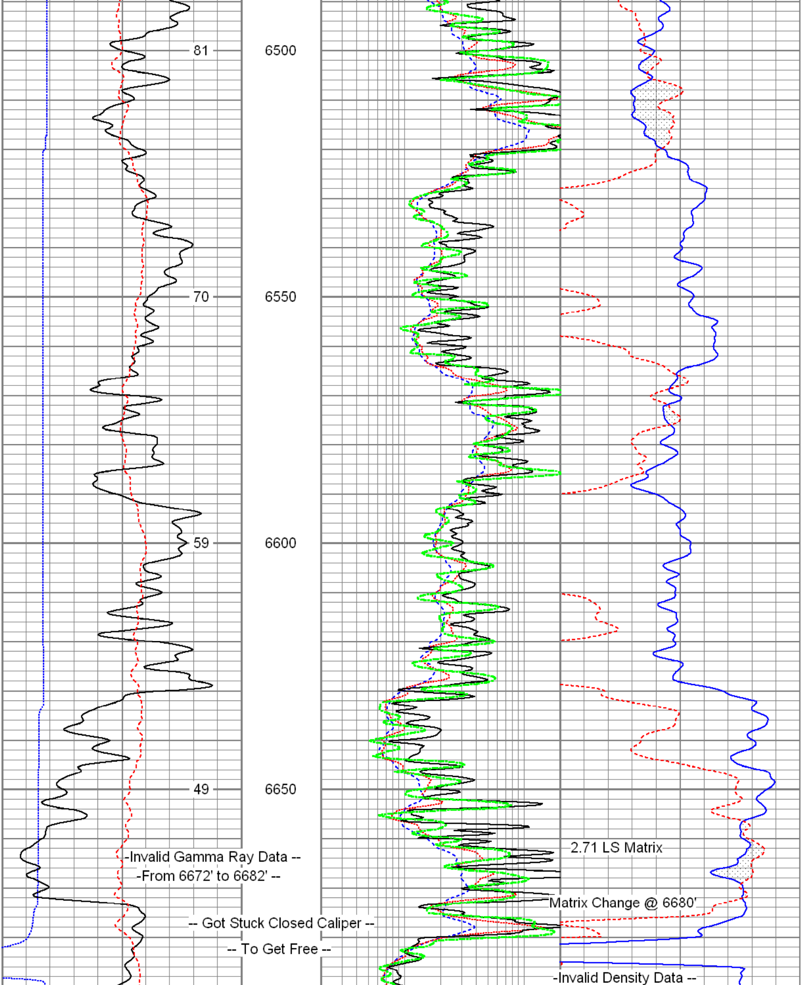




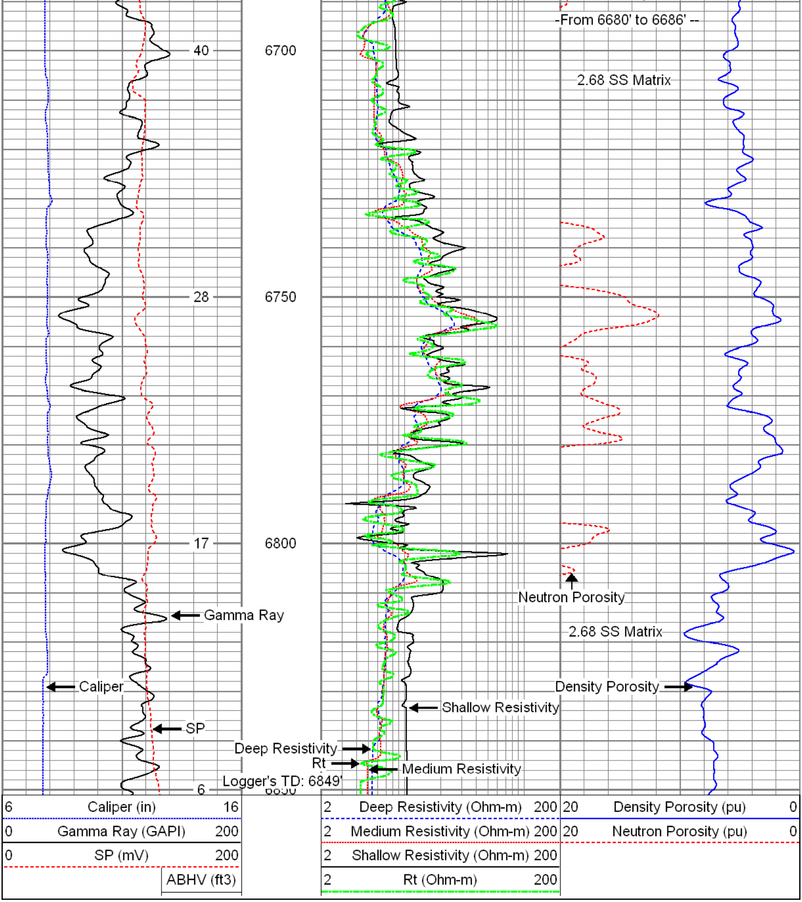


2.71 LS Matrix

-Invalid Gamma Ray Data --
-From 6672' to 6682' --

Matrix Change @ 6680'

-- Got Stuck Closed Caliper --
-- To Get Free --

-Invalid Density Data --