PSI

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
HIGH RESOLUTION INDUCTION

Company
Well
Field
County
State/Prv

Company	Bonanza Creek Energy, Inc.
Well	Antelope 32-19
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 1980' FNL & 1891' FWL SE NW BHL: 1984' FNL & 2032' FEL SW NE Sec - 19, Twp - 5N, Rge - 62W
Other Services	None
Elevation	K.B. 4629 D.F. 4628 G.L. 4618

Permanent Datum	GL	Elevation	4618
Log Measured From	KB		
Drilling Measured From	KB		

Date	March 21, 2011		
Run Number	1		
Depth Driller	6859		
Depth Logger	6853		
Bottom Logged Interval	6853		
Top Log Interval	Casing		
Casing Driller	431		
Casing Logger	431		
Bit Size	7-7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	9.0 / 65		
pH / Fluid Loss	10.0 / 14.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.85 @ 75° F		
Rmf @ Meas. Temp	2.14 @ 75° F		
Rmc @ Meas. Temp	3.56 @ 75° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.05 @ 204° F		
Time Circulation Stopped	0445		
Time Logger on Bottom	1230		
Maximum Recorded Temperature	204° F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Brian Cunningham	Robin Brackman	Gene Hackman

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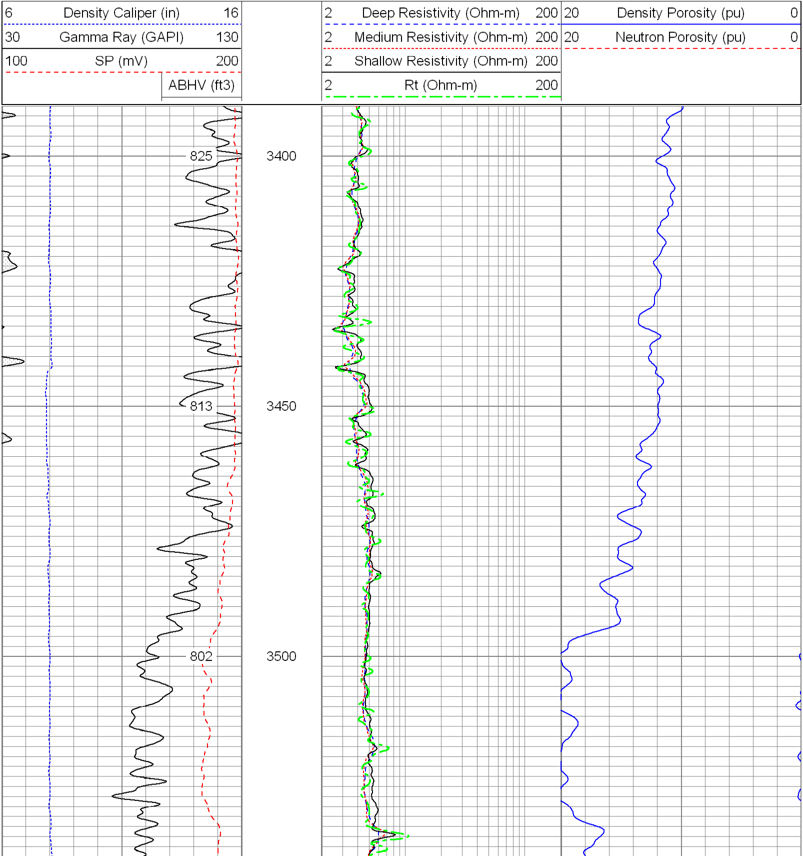
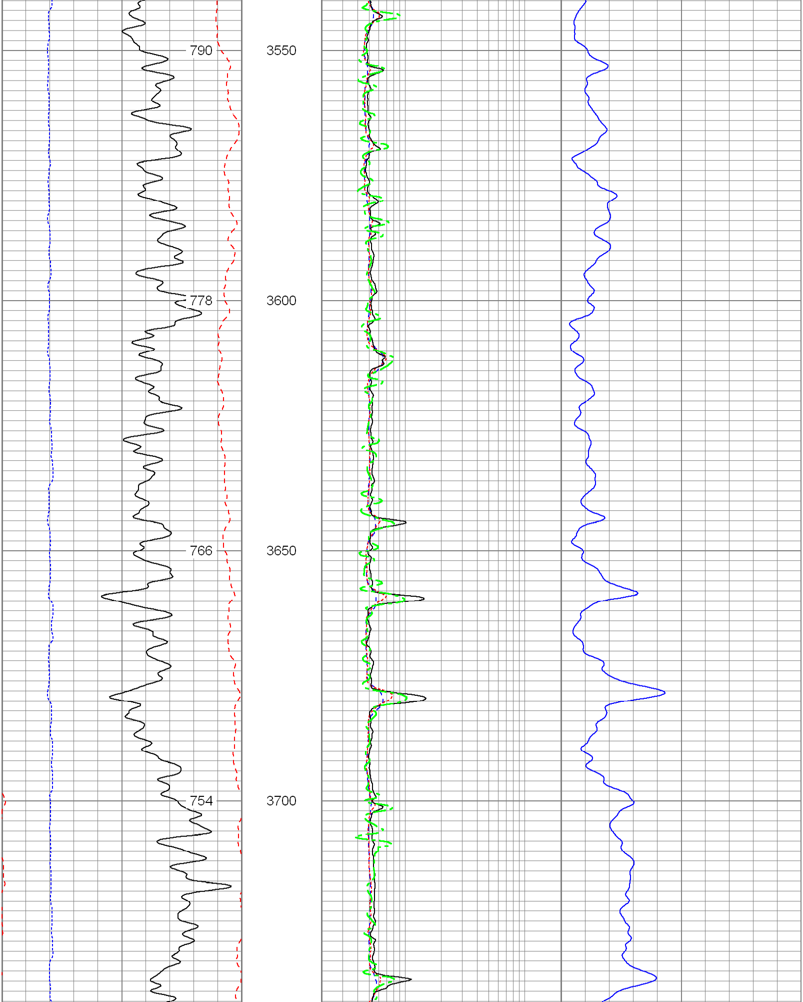
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

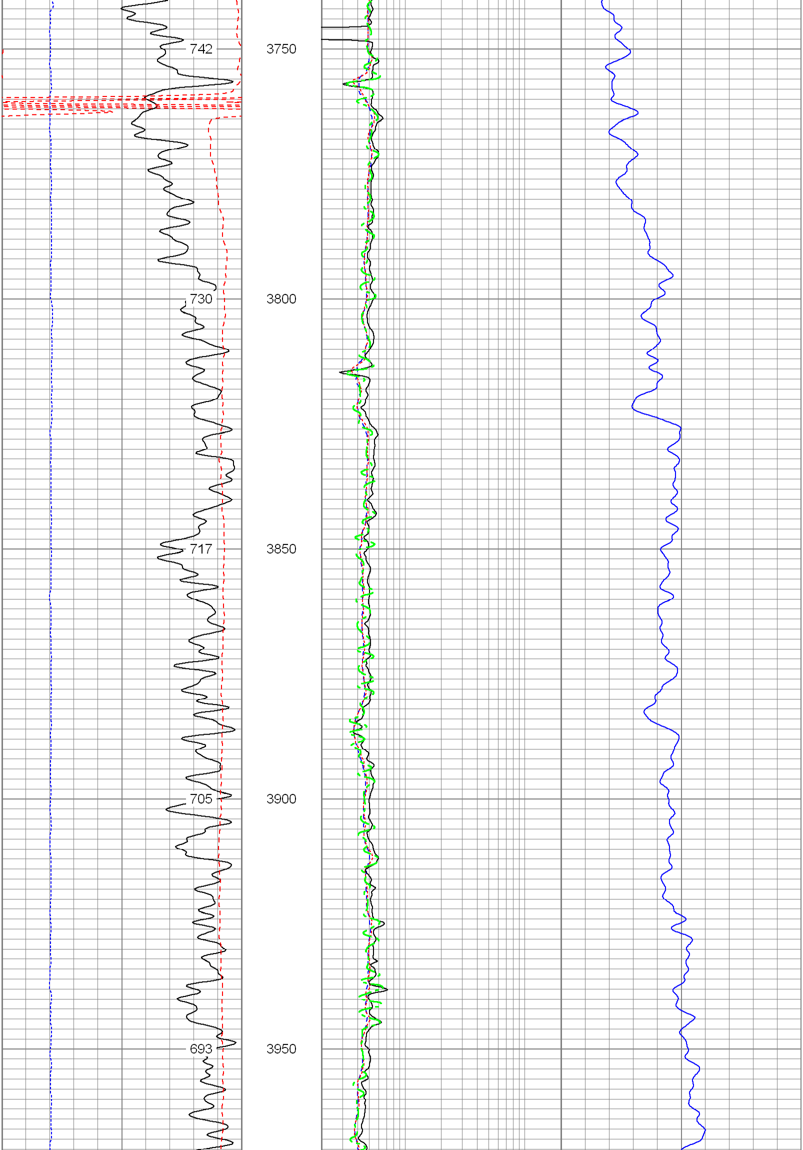
Comments

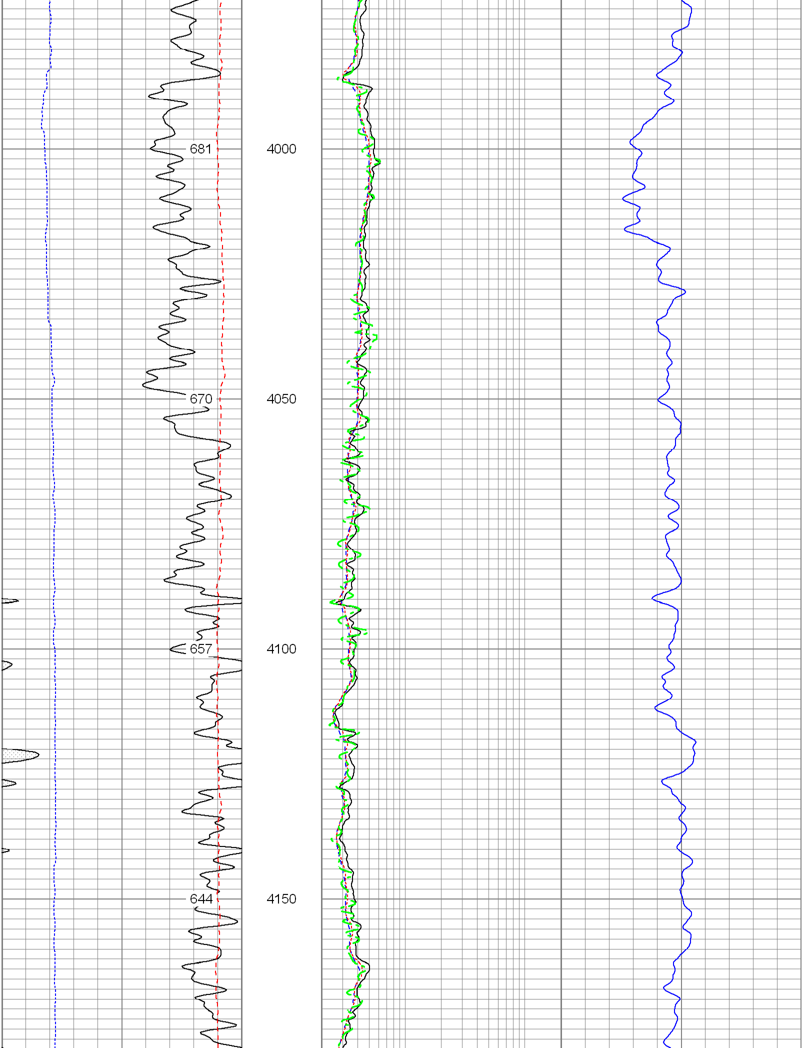
Annular volume calculated for 4.5" casing
Mid Continent Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-32713-0000

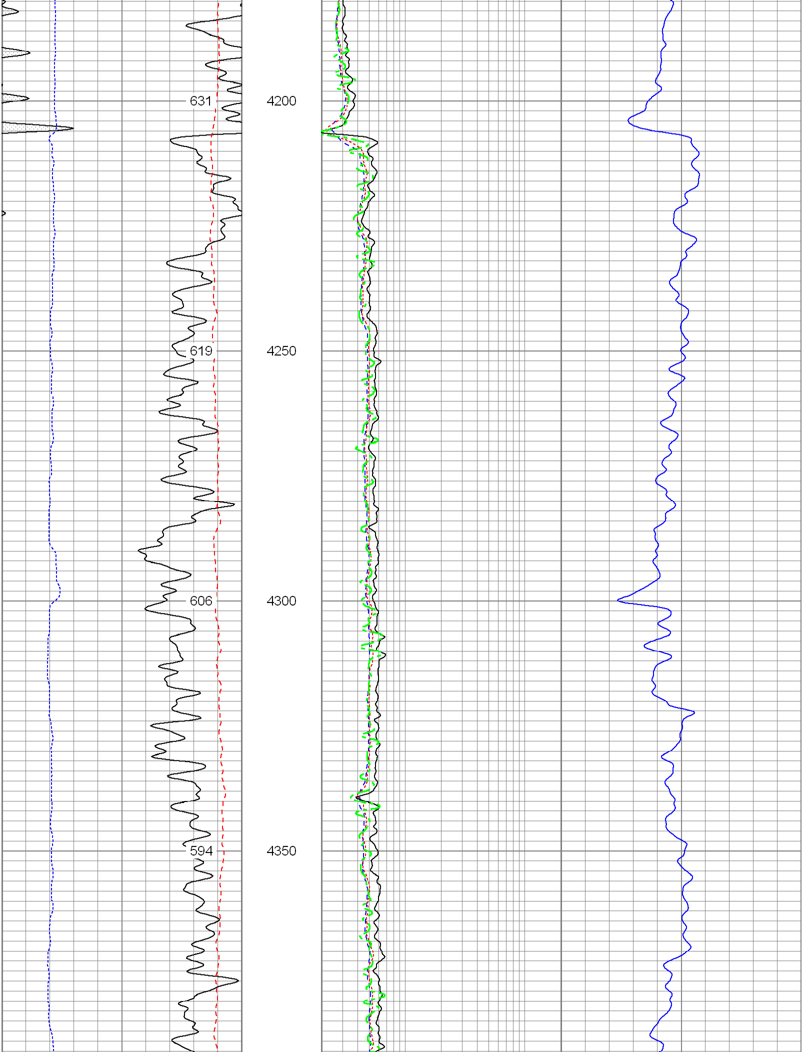
Database File: 11534.db
Dataset Pathname: pass3.3
Presentation Format: pdc1
Dataset Creation: Mon Mar 21 14:00:15 2011
Charted by: Depth in Feet scaled 1:240

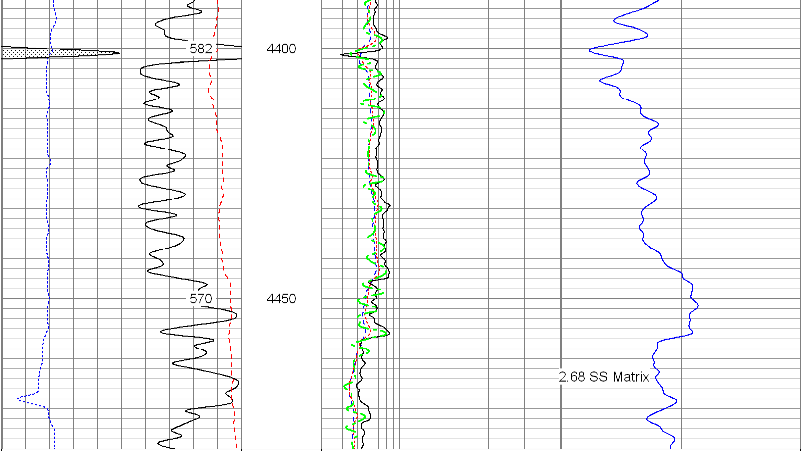












6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
100 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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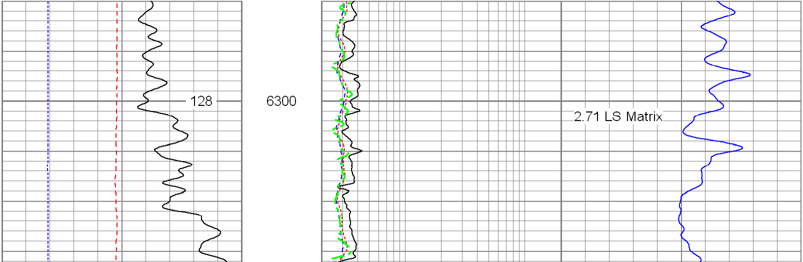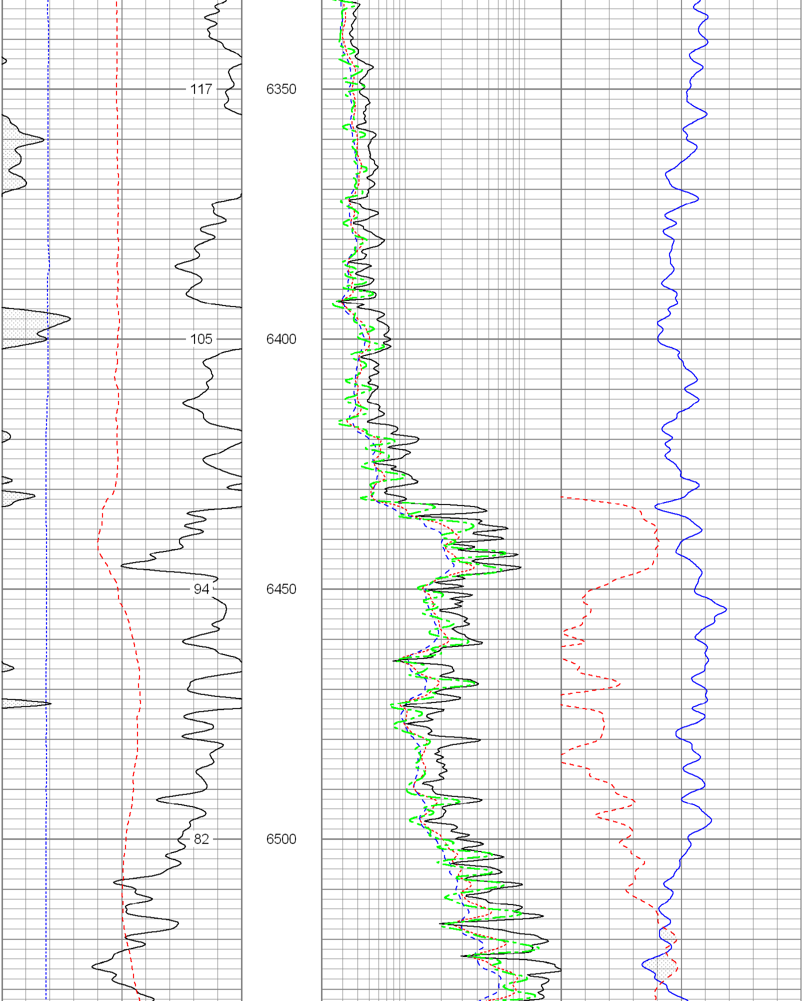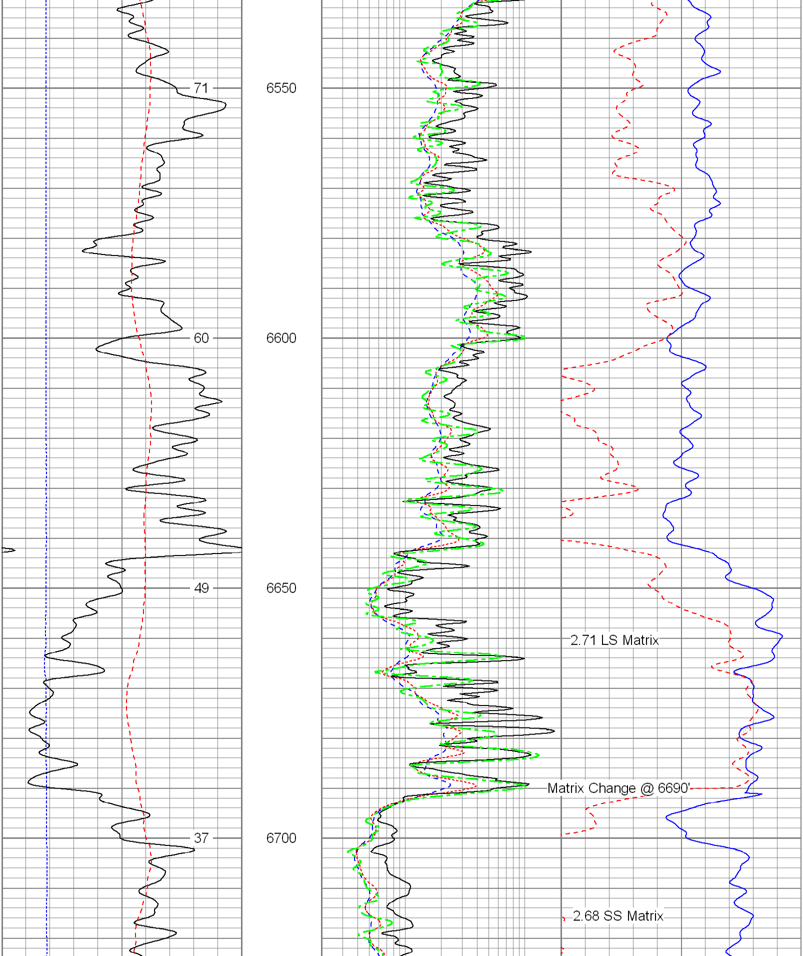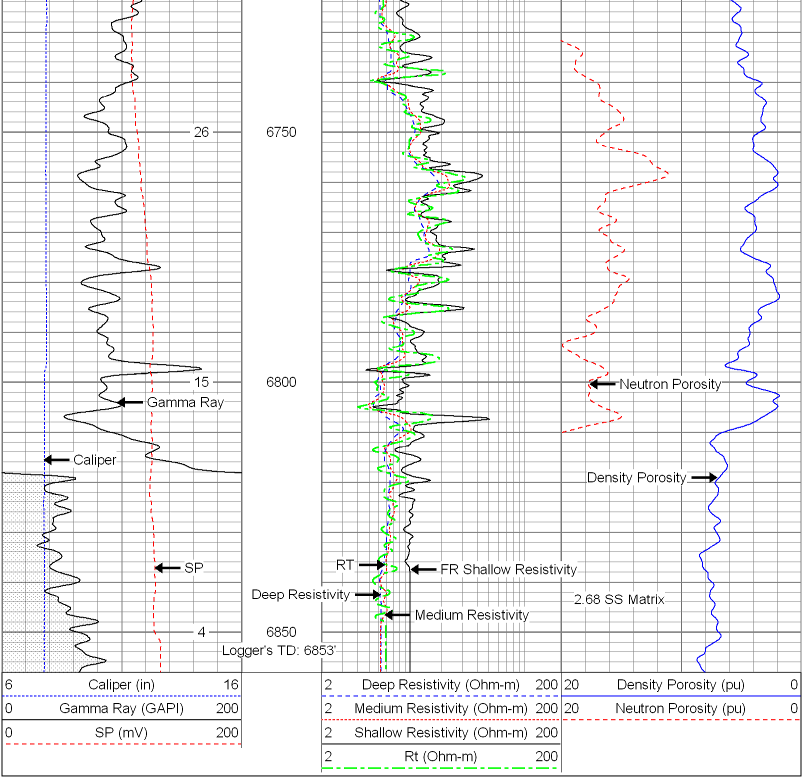6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
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