PSI
PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Bonanza Creek Operating Co. LLC
Well	Antelope 24-17
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 1260' FSL & 1320' FWL SE SW BHL: 675' FSL & 2004' FWL SE SW Sec - 17, Twp - 5N, Rge - 62W
Other Services	None
Elevation	K.B. 4656 D.F. 4655 G.L. 4642

Permanent Datum	GL	Elevation	4642
Log Measured From	KB		
Drilling Measured From	KB		

Date	April 8, 2011		
Run Number	1		
Depth Driller	6758		
Depth Logger	6756		
Bottom Logged Interval	6756		
Top Log Interval	Casing		
Casing Driller	462		
Casing Logger	462		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.1 / 50		
pH / Fluid Loss	9.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.59 @ 66 F		
Rmf @ Meas. Temp	2.29 @ 66 F		
Rmc @ Meas. Temp	4.69 @ 66 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.19 @ 198 F		
Time Circulation Stopped	0500		
Time Logger on Bottom	1330		
Maximum Recorded Temperature	198 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Kurt Dodge	Brian Cunningham	John Adams

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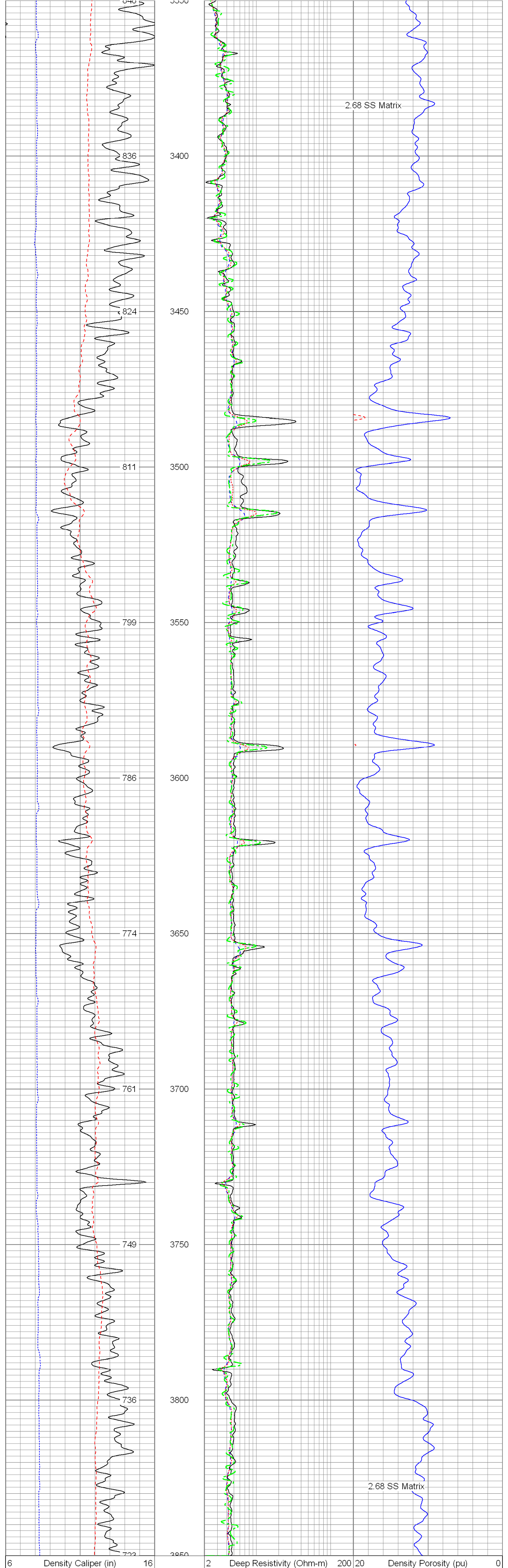
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Fort Drilling Rig 5
Thank you for using Phoenix Surveys!!
API #: 05-123-32883-00

Database File:	11565.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Fri Apr 08 14:00:48 2011
Charted by:	Depth in Feet scaled 1:240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
60 SP (mV) 160
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



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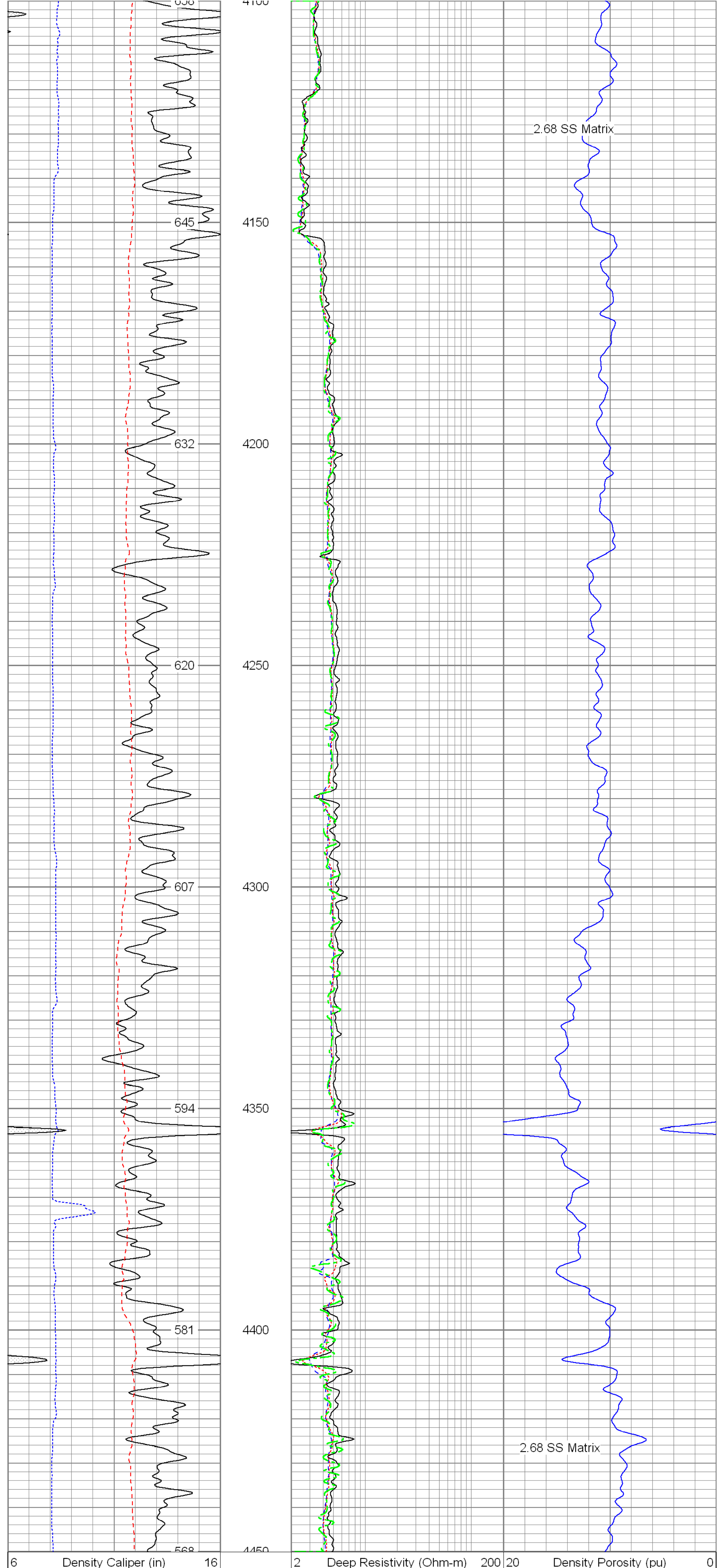

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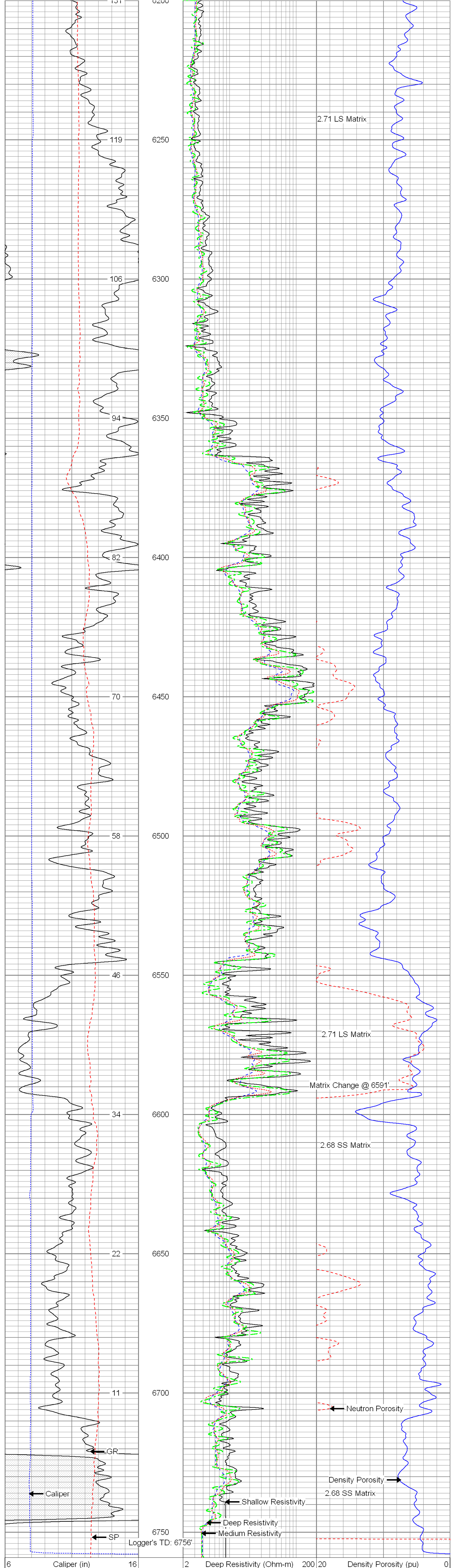

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