PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY COMPENSATED NEUTRON DUAL INDUCTION

Company Well Field County State/Prv

Company	Bonanza Creek Operating Co. LLC
Well	Antelope 14-18
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 1436' FSL & 1411' FWL NE SW BHL: 800' FSL & 630' FWL SW SW Sec - 18, Twp - 5N, Rge - 62W
Other Services	None
Elevation	K.B. 4608 D.F. 4607 G.L. 4598

Permanent Datum	GL	Elevation	4598
Log Measured From	KB		
Drilling Measured From	KB		

Date	September 7, 2010		
Run Number	1		
Depth Driller	6731		
Depth Logger	6760		
Bottom Logged Interval	6760		
Top Log Interval	Casing		
Casing Driller	421		
Casing Logger	421		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.8 / 20		
pH / Fluid Loss	8.0 / 12.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 75 F		
Rmf @ Meas. Temp	2.17 @ 75 F		
Rmc @ Meas. Temp	3.63 @ 75 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.08 @ 201 F		
Time Circulation Stopped	0700		
Time Logger on Bottom	1615		
Maximum Recorded Temperature	201 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Kurt Dodge	Ryan Scribner	Brian Cunningham

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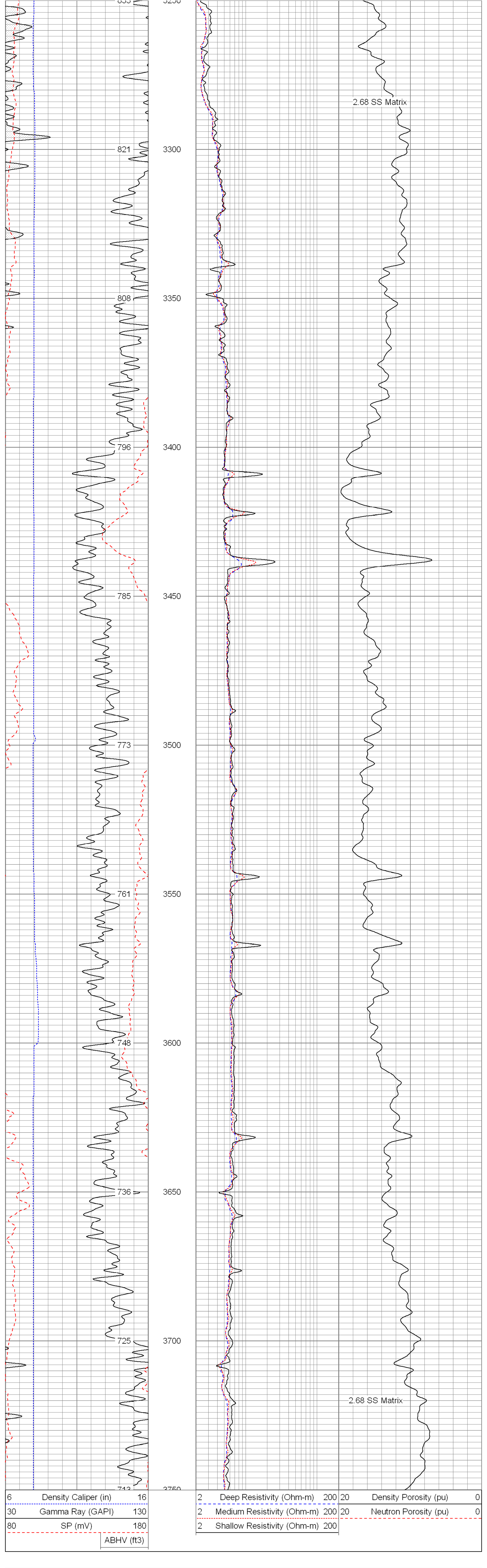
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 #: 05-123-31828-00

Database File: 10927.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Tue Sep 07 16:30:27 2010
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)							



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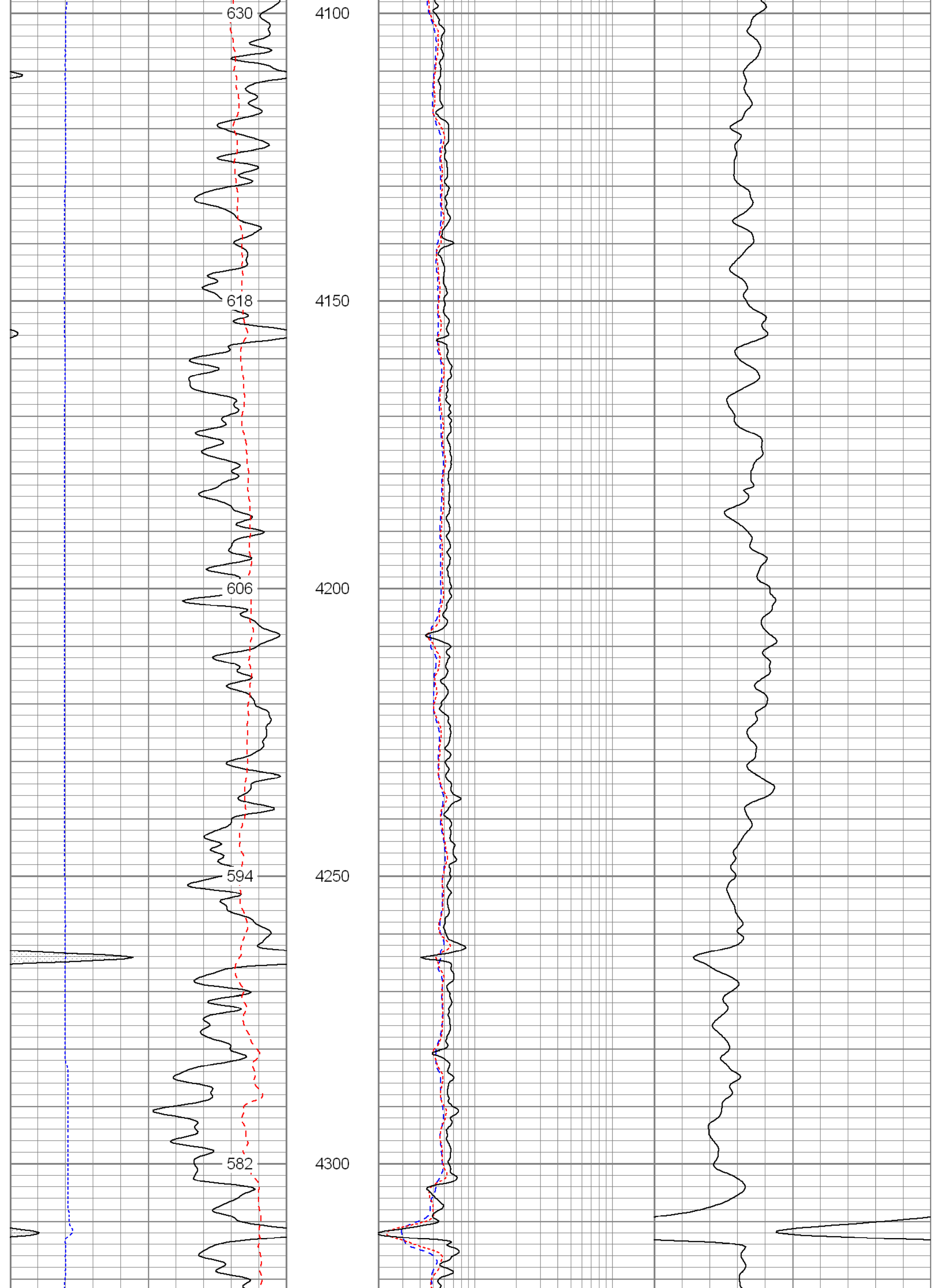

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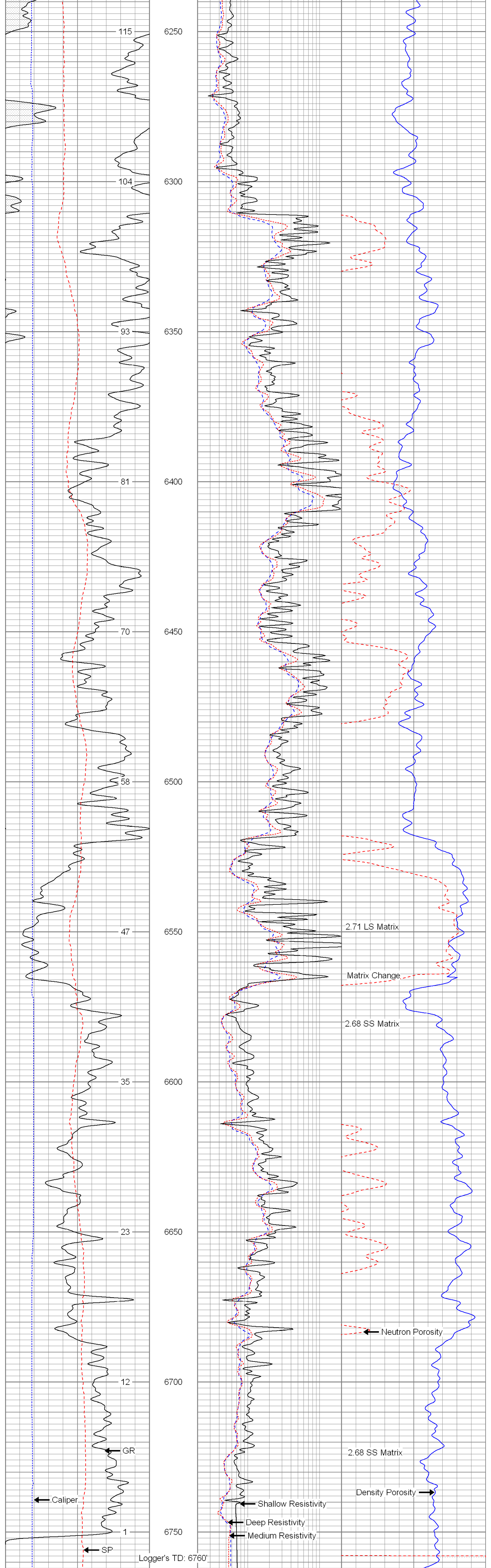

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