PSI PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company	Company	Bonanza Creek Operating Co. LLC	
Well	Well	Antelope 18C	
Field	Field	Wattenberg	
County	County	Weld	State/Province Colorado
State/Prv	Location	1436' FSL & 1425' FWL SE SW Sec - 18, Twp - 5N, Rge - 62W	Other Services None
			Elevation K.B. 4609 D.F. 4608 G.L. 4599

Permanent Datum	GL	Elevation	4599
Log Measured From	KB		
Drilling Measured From	KB		

Date	September 18, 2010		
Run Number	1		
Depth Driller	6663		
Depth Logger	6657		
Bottom Logged Interval	6657		
Top Log Interval	Casing		
Casing Driller	418		
Casing Logger	418		
Bit Size	7-7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	9.0 / 10		
pH / Fluid Loss	9.5 / 12		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 85° F		
Rmf @ Meas. Temp	2.32 @ 85° F		
Rmc @ Meas. Temp	3.48 @ 85° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.24 @ 198° F		
Time Circulation Stopped	1600		
Time Logger on Bottom	0130		
Maximum Recorded Temperature	198° F		
Equipment Number	52		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Ryan Scribner	Brian Cunningham	

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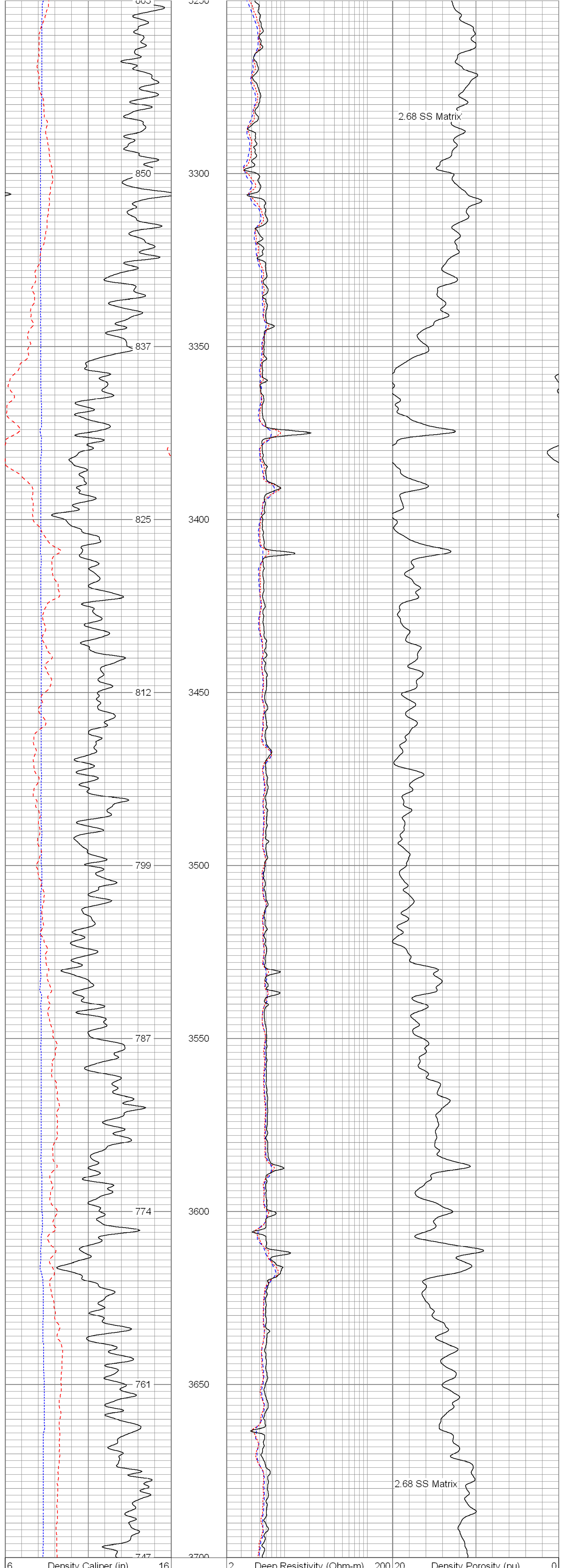
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 #: 05-123-31830-00

Database File: 10923.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sat Sep 18 01:54:25 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
60	SP (mV)	160	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)							



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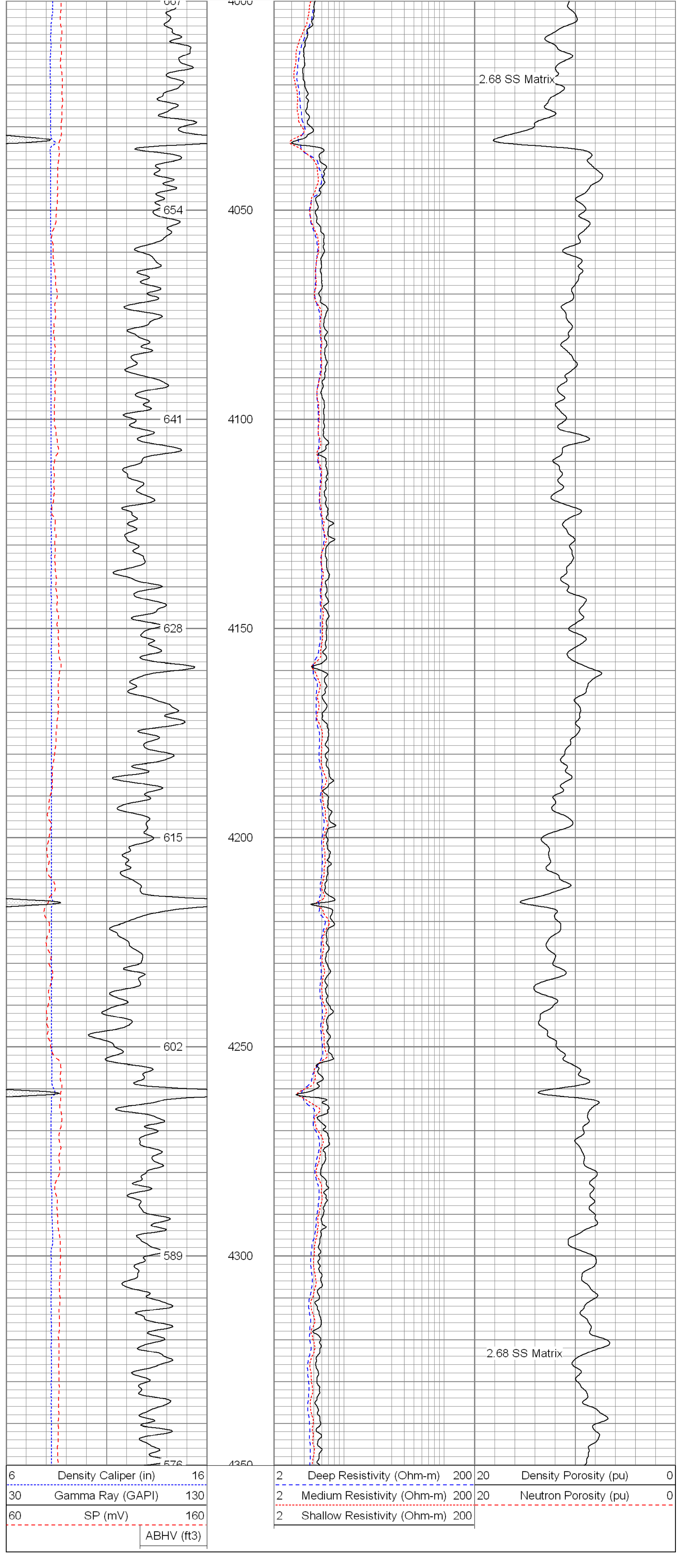

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