PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company	Bonanza Creek Operating Co. LLC
Well	Antelope 23-17
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 1300' FSL & 1320' FWL SE SW BHL: 1991' FSL & 2022' FWL NE SW Sec - 17, Twp - 5N, Rge - 62W
Other Services	None
Elevation	K.B. 4654 D.F. 4653 G.L. 4642

Company				
Well				
Field				
County				
State/Prv				
Permanent Datum	GL	Elevation	4642	
Log Measured From	KB			
Drilling Measured From	KB			
Date	March 30, 2011			
Run Number	1			
Depth Driller	6770			
Depth Logger	6768			
Bottom Logged Interval	6768			
Top Log Interval	Casing			
Casing Driller	434			
Casing Logger	434			
Bit Size	7-7/8"			
Type Fluid in Hole	Polymer Gel			
Density / Viscosity	9.4 / 55			
pH / Fluid Loss	9.0 / 10.4			
Source of Sample	Flowline			
Rm @ Meas. Temp	3.17 @ 62 F			
Rmf @ Meas. Temp	2.53 @ 62 F			
Rmc @ Meas. Temp	3.71 @ 62 F			
Source of Rmf / Rmc	Measure / Calc			
Rm @ BHT	1.16 @ 197 F			
Time Circulation Stopped	2030 3/29/11			
Time Logger on Bottom	0430			
Maximum Recorded Temperature	197 F			
Equipment Number	49			
Location	Brighton, CO			
Recorded By	Ian Harris			
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
Rig Fort 5
Thank you for using Phoenix Surveys!!
API #: 05-123-32884-00

Database File: 11361.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Wed Mar 30 05:23:15 2011
Charted by: Depth in Feet scaled 1:240

6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
0	SP (mV)	100
	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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20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

Database File: 11361.db
Dataset Pathname: pass3.1
Presentation Format: pdc
Dataset Creation: Wed Mar 30 04:44:29 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16
0	Gamma Ray (GAPI)	200
0	SP (mV)	200
2	Deep Resistivity (Ohm-m)	200
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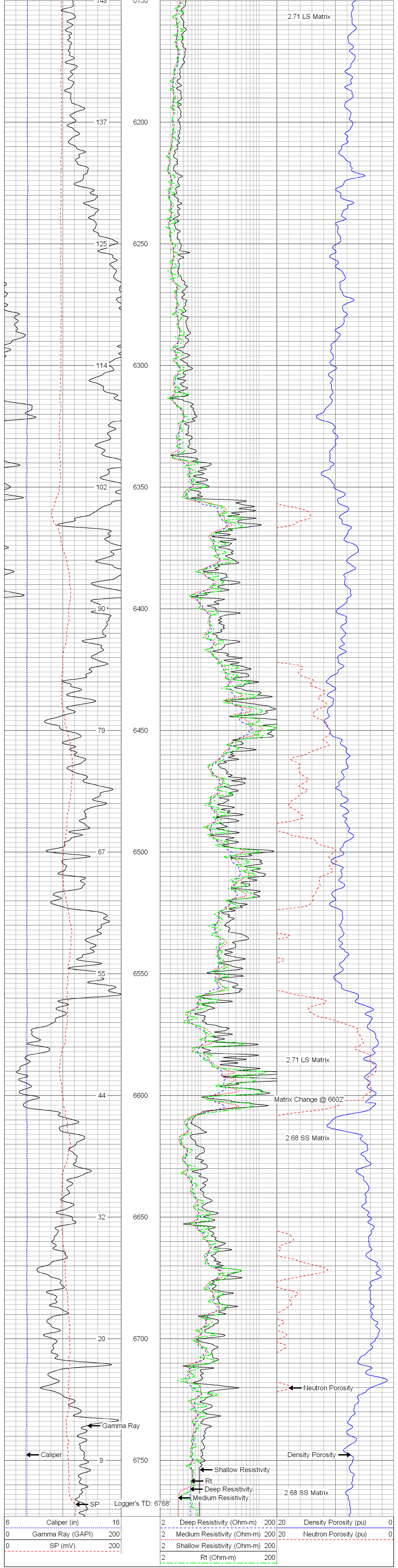

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