PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Bonanza Creek Energy Inc.
Well	Antelope I 17
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	1320' FSL & 1320' FWL NE SW Sec - 17, Twp - 5N, Rge - 62W
Other Services	None

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

Elevation
K.B. 4654
D.F. 4653
G.L. 4642

Date	March 25, 2011		
Run Number	1		
Depth Driller	6666		
Depth Logger	6661		
Bottom Logged Interval	6661		
Top Log Interval	Casing		
Casing Driller	455		
Casing Logger	455		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.9 / 50		
pH / Fluid Loss	9.0 / 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.06 @ 65 F		
Rmf @ Meas. Temp	2.45 @ 65 F		
Rmc @ Meas. Temp	3.67 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.05 @ 198 F		
Time Circulation Stopped	1230		
Time Logger on Bottom	2000		
Maximum Recorded Temperature	198 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Brian Cunningham	John Adams	Curt Dodge

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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

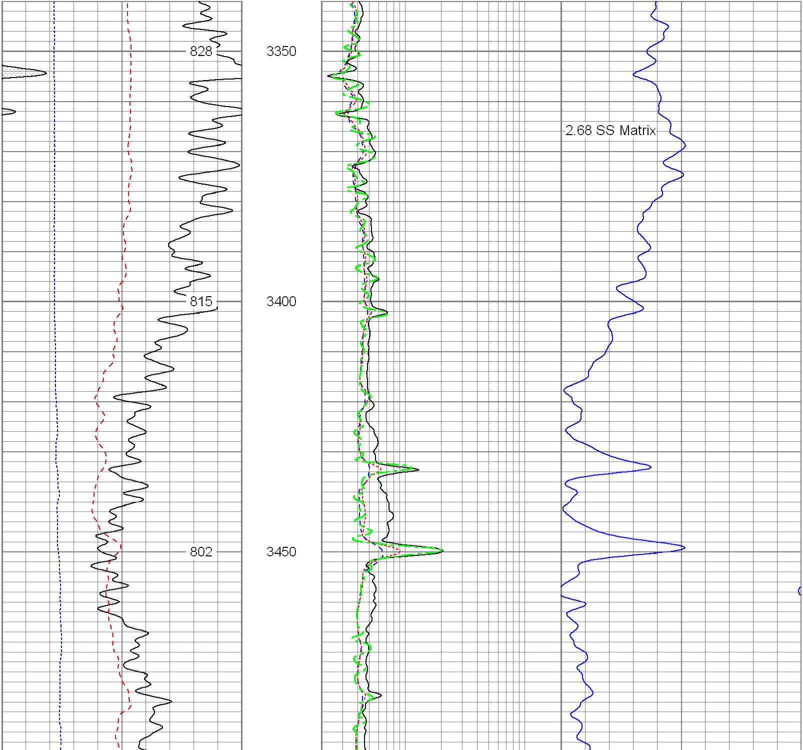
Annular volume calculated for 4.5" casing
Drilling Rig Fort 5
Thank you for using Phoenix Surveys!!
API #: 05-123-32732-00

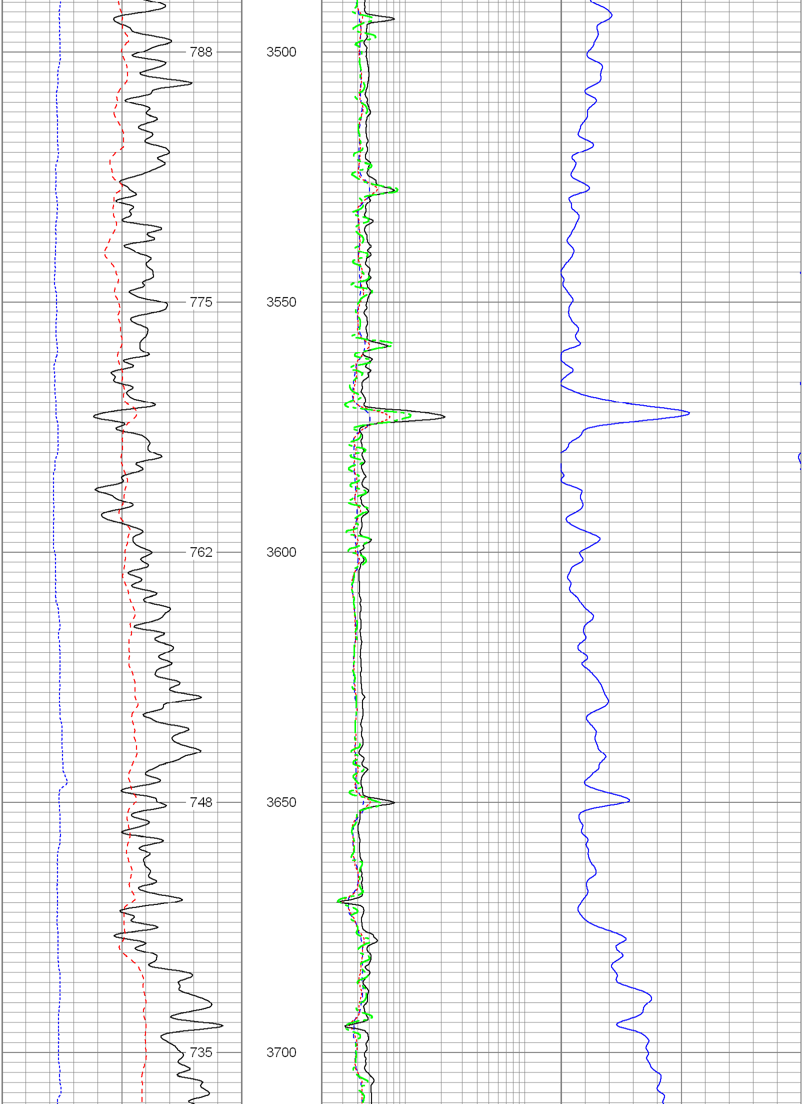
Database File:	11525.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Fri Mar 25 20:35:13 2011
Charted by:	Depth in Feet scaled 1:240

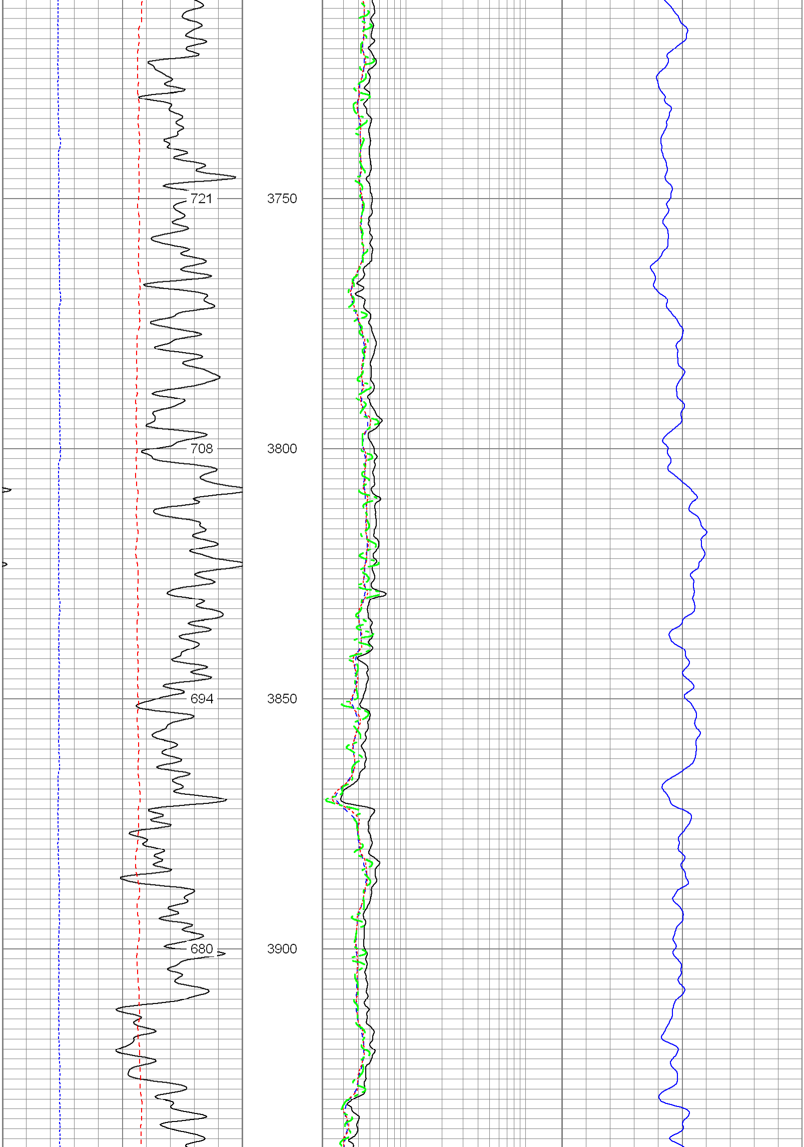
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
80 SP (mV) 180
ABHV (ft3)

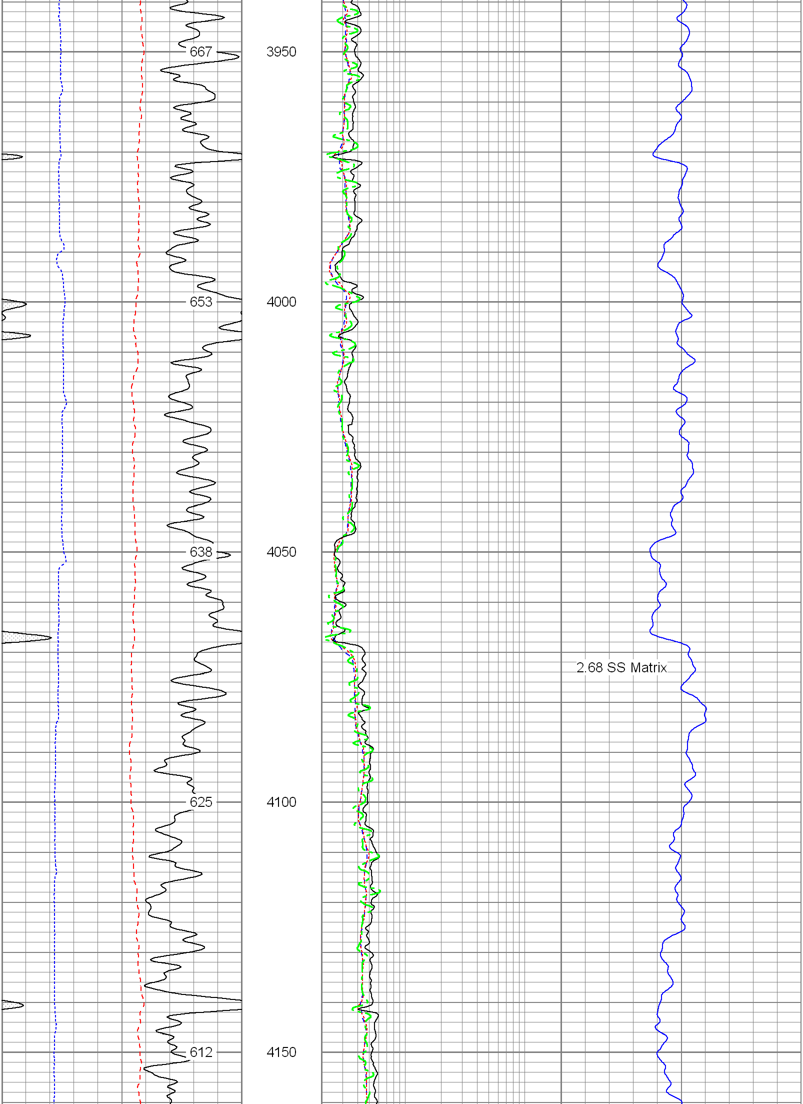
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200

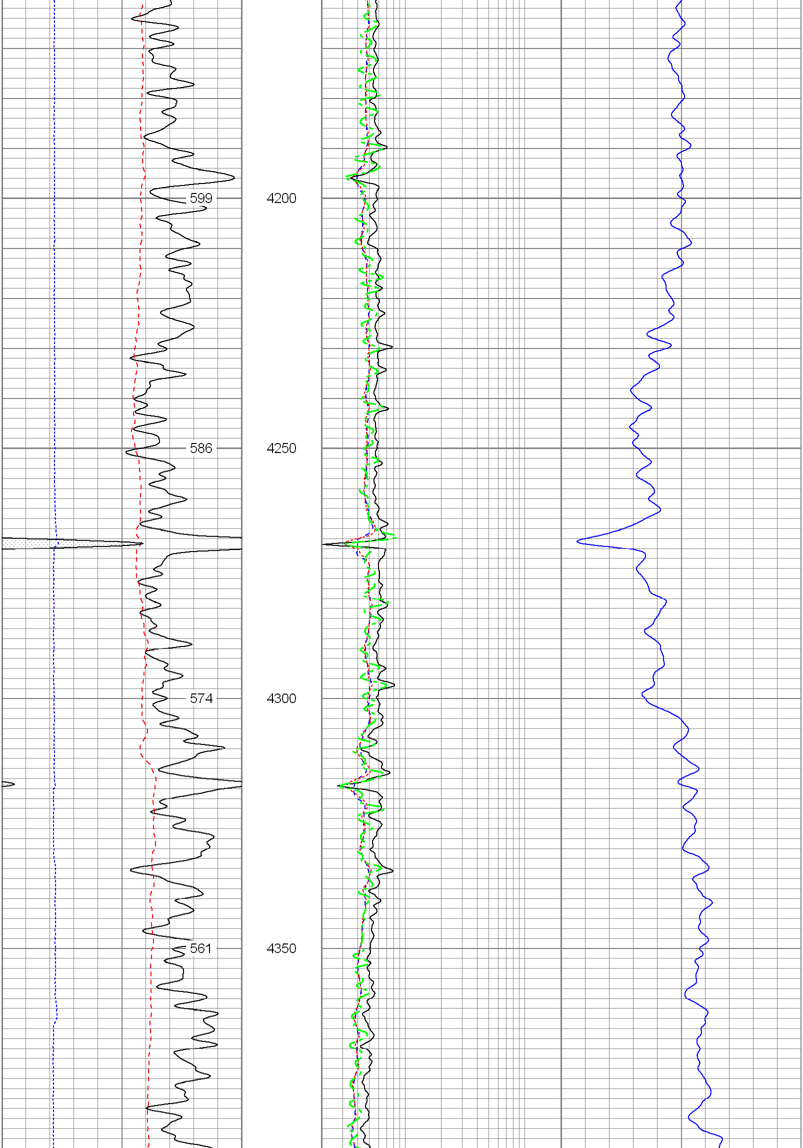
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

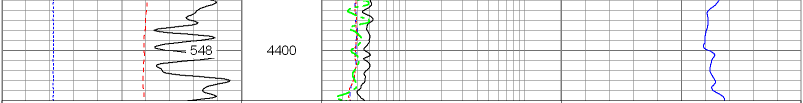












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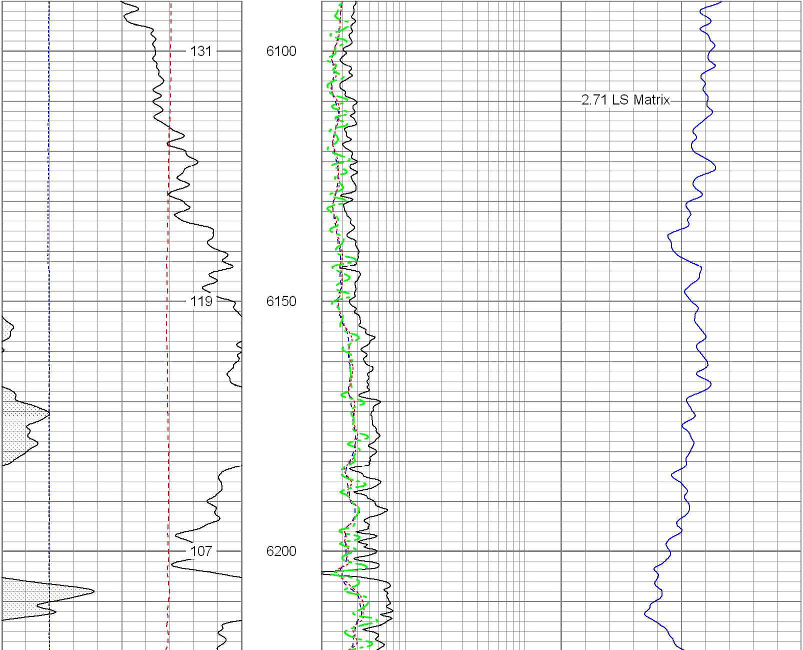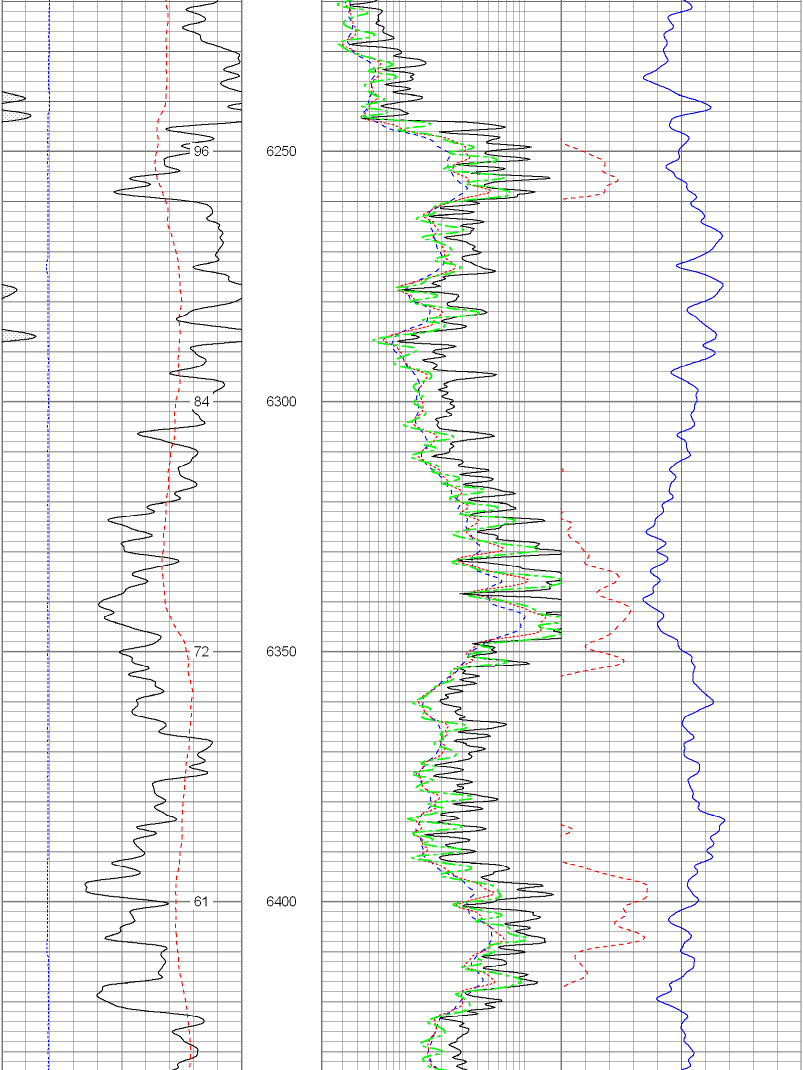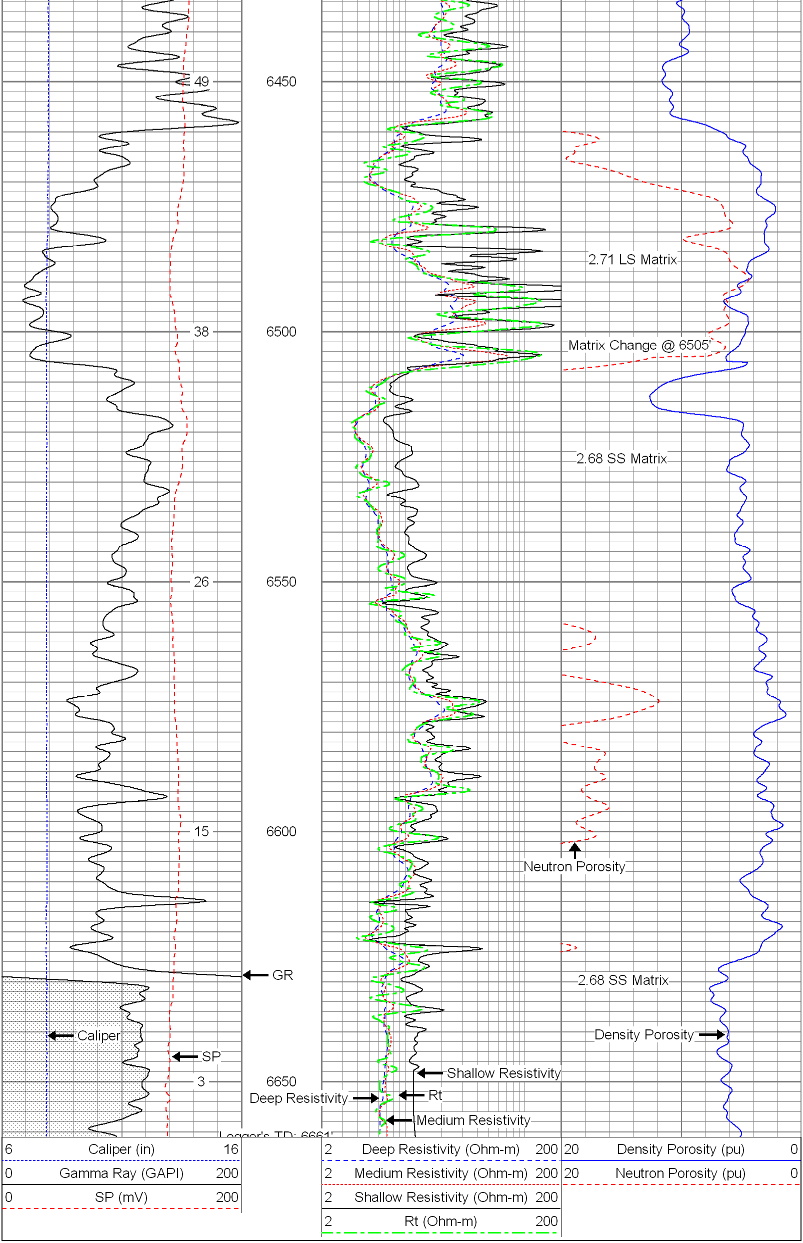20	Density Porosity (pu)	0
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