



PHOENIX SURVEYS, INC.  
HIGH RESOLUTION INDUCTION  
COMPENSATED DENSITY  
COMPENSATED NEUTRON

Company	Bonanza Creek Energy Inc.	Location	660' FNL & 660' FEL	Other Services	None
Well	Antelope 41-31	State/Priv	NE NE		
Field	Wattenberg		Sec - 31, Twp - 5N, Rge - 62W		
County	Weld		Elevation 4006		
Permanant Datum	GL				
Log Measured From	KB				
Drilling Measured From	KB				
Date	Jul 6, 2011				
Run Number	1				
Depth Center	6660				
Bottom Log Unit Interval	6592				
Top Log Interval	Casing				
Casing Driller	432				
Bit Size	7-7/8"				
Type Fluid in Hole	Open Gel				
Initial Density	3.0				
Source of Sample	Flowing				
Run @ Mass Temp	3.68 @ 72 F				
Run @ Mass Temp	2.91 @ 72 F				
Run @ Mass Temp	4.42 @ 72 F				
Source of Run/Temp	Measure / Calc				
Run @ Bottom Stopped	1.03 @ 196 F				
Time Log on Bottom	2.075				
Maximum Recorded Temperature	199 F				
Equipment Number	50				
Location	Brighton, CO				
Recorded By	Matt Gil				
Witnessed By	Brian Cunningham				
Charted by	John Adams				

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 Drilling Rig 1  
Thank you for using Phoenix Surveys!!  
API #: 05-123-32833-00

