

Company	Bonanza Creek Energy Inc.	Location	SHL 680 FNL & 680 FEL NENE	Other Services	None
Well	Antelope 31-31	Field	Wattenberg		
County	Weid	State/Province	Colorado		
Log Measurement From	KB	Log Measurement To	KB	Elevation	4006
Permeability	KB	Permeability	KB	K _h 4616	D _h 4615
Drilling Measurement From	KB	Drilling Measurement To	KB	G _h 4605	
Date	June 29, 2011	Run Number	6855	Bottom Log Interval	6851
Depth (m)	6855	Depth (ft)	6851		
Top Log Interval	Casing	Casing Diameter	432	Bit Size	7-7/8"
Casing Logger					
Type Fluid in Hole	Polymers Gel				
Gamma Ray (GAPI)	130	Gamma Ray (GAPI)	130		
Source of Sample	Flowline	Source of Sample	Flowline		
Run @ Mass Temp	3.30 @ 80 F	Run @ Mass Temp	3.30 @ 80 F		
Run @ Mass Temp	4.20 @ 80 F	Run @ Mass Temp	4.20 @ 80 F		
Source of Run / Run	Measure / Cdc	Source of Run / Run	Measure / Cdc		
Run @ Bottom Staged	1.33 @ 195 F	Run @ Bottom Staged	1.33 @ 195 F		
Time Logger on Bottom	0100	Time Logger on Bottom	0100		
Maximum Recorded Temperature	195 F	Maximum Recorded Temperature	195 F		
Equipment Number	52	Equipment Number	52		
Recorded By	Bryant, CO	Recorded By	Bryant, CO		
Location	Schuman	Location	Schuman		
Versioned By	Harris	Versioned By	Harris		

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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
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