

Company Singletree Resources, Inc.									
Well	Haley Smith 12-19								
Field	Amber								
County	Logan								
State	Colorado								
Location:	API #: 0607503990000				Other Services				
	1900 FNL & 600' FNL				Density Neutron				
	SEC 19 TWP 11N RGE 53W				Elevation				
	Permanent Datum				GL	Elevation	4340	K.G. 4352	
Log Measured From				KB				D.F. 4351	
Drilling Measured From				KB				G.L. 4340	
				August 5, 2012					
Run Number	1								
Depth Driller	5458								
Depth Logger	5453								
Bottom Logged Interval	5453								
Top Log Interval	Casing								
Casing Driller	768								
Casing Logger	728								
Bit Size	7-7/8"								
Type Fluid In Hole	Chem Gel								
Density / Viscosity	9.4 / 76								
pH / Fluid Loss	8.0 / 7.6								
Source of Sample	Flowline								
Rm @ Meas. Temp	2.75 @ 68° F								
Rmt @ Meas. Temp	2.20 @ 68° F								
Rmc @ Meas. Temp	3.30 @ 68° F								
Source of Rmt / Rmc	Measure / Calc								
Rm @ BHT	1.21 @ 155° F								
Time Circulation Stopped	0800								
Time Logger on Bottom	1230								
Maximum Recorded Temperature	155° F								
Equipment Number	52								
Location	Brighton, CO								
Recorded By	Mark Gill								
Witnessed By	Mark Brown								
Location	Brighton, CO								
Witnessed By	Mark Brown								

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC can guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

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Annular volume calculated for 5.5" casing
Excel Drilling Rig 3
Thank you for using Pioneer Energy Services.

