

		DUAL INDUCTION GUARD LOG GAMMA RAY	
PHOENIX SURVEYS, INC.			
Company Well Field County State/Prov		Company Noble Energy Inc. Well Shurview USX N 03-17 D Field Wattenberg County Weld State/Province Colorado	
Location SHL: 2086 FNL & 1928 FEL SW NE BHL: 1458 FNL & 1197 FEL SE NE Sec. 3, Twp. 5N, Rge. 67W		Other Services Density Neutron Microlog	
Permanent Datum Log Measured From Drilling Measured From	GL KB KB	Elevation 4874	K.B. 4887 D.F. 4887 G.L. 4874
Date	June 12, 2010		
Run Number	1		
Depth Driller	7425		
Depth Logger	7429		
Bottom Logged Interval	7429		
Top Log Interval	Casing		
Casing Driller	1277		
Casing Logger	1277		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 30		
pH / Fluid Loss	8.0 / 22.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.15 @ 64° F		
Rmt @ Meas. Temp	2.52 @ 64° F		
Rmc @ Meas. Temp	3.78 @ 64° F		
Source of Rmt / Rmc	Measure / Calc		
Rm @ BHT	1.21 @ 201° F		
Time Circulation Stopped	2015 6/11		
Time Logger on Bottom	0315		
Maximum Recorded Temperature	201° F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Jeff Chalk		

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
<p>Annular volume calculated for 4.5" casing Ensign Drilling Rig 126 Thank you for using Phoenix Surveys!! API #: 05-123-30554-00</p>

