



HIGH RESOLUTION INDUCTION

PHOENIX SURVEYS, INC.

Company		Noble Energy Inc.	
Well		Coleman C 22-17	
Field		Wattenberg	
County		State/Province Colorado	
Location		1250' FNL & 1300' FEL	
Well		Sec 22 Twp 4N R9E 64W	
State/Prv		NWE	
County		Benton	
City		4255	
Log Measure From		KB	
Log Measure To		February 13, 2011	
Date		6964	
Depth (m)		6964	
Bottom Logged Interval		6963	
Casing Outer		723	
Casing Inner		723	
Type of Hole		Open End	
PT / Fluid / Viscosity		9.3 / 18	
Gamma Ray (GAPI)		130	
SP (mV)		150	
ABHV (ft/s)		1.1 @ 210 F	
Time Creation Started		0000	
Maximum Recorded Temperature		210 F	
Estimate Number		50	
Estimated By		Brent Hill	
Unvised By		Mike Matthews	

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 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

Ensign Rig 136

Thank you for using Phoenix Surveys!!

API #: 05-123-31904-00

