

 <b>Noble Energy Inc.</b>	<b>HIGH RESOLUTION INDUCTION</b> <b>HEATERS, INC.</b>
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City	Weld	State/Province	Colorado
Id	Wattenberg		
II	Kissler K 21-21D		

Other Services	10th St. 2568' FSL & 2185' FWL NESW BHL 2541' FSL & 2533' FWL NESW Sec - 21, Twp - 4N, Rge - 66W
Density	
Neutron	
Microlog	
Elevation	

SL	Elevation	4756	K.B. 4769	D.F. 4768	G.L. 4756
B					
B					
	January 20, 2012				
	1				

Other measurements:  
 Dilful negligence on  
 tion made by any c  
 conditions set out in

Comments

7505		from electrical or other
7503		case of gross or weight
7503		from any interpretation
Casting		general terms and conditions
588		
602		

7-7/8"	
Chem Gel	
9.5 / 38	
7.5 / 40	
Flowline	
2.55 @ 58 F	

2.04 @ 68 F	
3.06 @ 68 F	
Measure / Calc	
0.88 @ 209 F	
1920 1/19	
0445	

[illegible]

Annular volume calculated for 4.5" casing  
Ensign Drilling Rig 121  
Thank you for using Phoenix Surveys!!  
API #. 05-123-31689-00  
No Repeat Due to Hole Conditions

2	Deep Resistivity (Ohm-m)
2	Medium Resistivity (Ohm-m)
2	Shallow Resistivity (Ohm-m)
2	Rt (Ohm-m)

