



DDC

**RM-13706**

1":100' - TVD

9/15/2013 1:29:18 PM

**Oper. Company:** Noble Energy  
**Country:** Untited States  
**State / Province:** Colorado  
**County / Parish:** Weld County  
**Started:** 09/09/2013 12:00 AM

**API/UWI:** 05-123-37546  
**Field:** Wattenberg  
**Well:** Rohn State LD09-69-1HN  
**Rig:** H&P 326  
**Ended:** 09/15/2013 11:30 AM

**Personnel**

**Day Hand:** Kubistek  
**Night Hand:** Jann  
**Comp. Emp:**

**Location**

**Latitude:** 40° 46' 14.880 N  
**Longitude:** 103° 51' 42.120 W  
**Elev. GL:** 4740'  
**Elev. DF:** 30  
**Elev. KB:** 4770

Max Temp 210°  
Mud Weight 10.2  
Vis 36

**Hole Data**

Size	From	To
13 3/4	0	1256
8 3/4	1256	6160
6 1/8	6160	9697

**Casing Data**

Size	From	To
9 5/8	0	1256
7	1256	6160
4 1/2	6160	9697

**Bit Sizes**

Size	From	To
13 3/4	0	1256
8 3/4	1256	6160
6 1/8	6160	9697

**Mud Data**

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.3	0	36				0	9697

**Tool Run Data**

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
1401	36	0	9/9/2013 4:00:10 AM	1256	9/11/2013 1:30:10 PM	4965
1401	44	0	9/11/2013 3:45:43 PM	4965	9/11/2013 11:00:43 PM	6160
1401	51	0	9/12/2013 11:15:02 PM	6160	9/14/2013 4:15:02 AM	7900
3641	51	0	9/14/2013 10:30:06 AM	7900	9/15/2013 11:30:06 AM	9697

*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, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.*

0.00 GR(API) 150.00 TVD 0.00 ROP(FT/HR) on MD 750.00  
150.00 2 300.00 FT 750.00 2 1,500.00

















