



DDC

3222 North 6th Mile Road  
Casper, WY 82604**RM-13915**

1":100' - MD

11/25/2013 8:49:29 AM

**Oper. Company:** Noble Energy Inc**Country:** USA**State / Province:** Colorado**County / Parish:** Weld**Started:** 11/20/2013 10:30 PM**API/UWI:** 05-123-37550**Field:** WildCat**Well:** Timbro State LD16-66HN**Rig:** H&P 326**Ended:** 11/25/2013 06:55 AM**Personnel****Day Hand:** Bob Kubistek**Night Hand:** Chris Abbott**Comp. Emp:** DDC**Location****Latitude:** 40°45'13.032 N**Longitude:** 103°51'38.880 W**Elev. GL:** 4756**Elev. DF:** 30**Elev. KB:** 4786**Hole Data**

Size	From	To
13 3/4	0	1235
8 3/4	1235	6090
6 1/8	6090	9790

**Casing Data**

Size	From	To
9 5/8	0	1225
7	0	6080
4 1/2	0	9790

**Bit Sizes**

Size	From	To
13 3/4	0	1235
8 3/4	1235	6090
6 1/8	6090	9790

**Mud Data**

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.3		38				1235	9790

**Tool Run Data**

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
817	36	0	11/20/2013 10:30:03 PM	1235	11/21/2013 12:00:03 AM	1267
1862	36	0	11/21/2013 3:30:09 AM	1267	11/21/2013 7:00:09 PM	5011
1862	44	0	11/22/2013 7:00:23 AM	5011	11/22/2013 5:30:23 PM	6090
1862	51	0	11/24/2013 2:30:34 AM	6090	11/25/2013 6:55:34 AM	9790

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.















