



Precision Directional Services, Inc.  
27610 Commerce Oaks Drive  
Oak Ridge North, Texas 77385

**DL1856**

2":100' - MD  
9/4/2013 5:37:52 AM

**Oper. Company:** Carrizo Oil & Gas, Inc.  
**Country:** United States  
**State / Province:** Colorado  
**County / Parish:** Weld Co.  
**Started:** 08/30/2013 08:00 AM

**API/UWI:** 05-123-37812-00  
**Field:** Niobrara CONZ' 83  
**Well:** Bailey 6-26-8-60  
**Rig:** Xtreme 17  
**Ended:** 09/04/2013 05:30 AM

### Personnel

**Day Hand:** Andrew Thomson  
**Night Hand:** Luis Suarez  
**Comp. Emp:** Gabriel Vela

### Location

**Latitude:** 40.38'20.359N  
**Longitude:** 104.03'51.791W  
**Elev. GL:** 4874  
**Elev. DF:** 17  
**Elev. KB:** 4891

### Hole Data

Size	From	To
12 1/4	0	1473
8 3/4	1473	6405
6 1/8	6405	10515

### Casing Data

Size	From	To
9 5/8	0	1473
7	1473	6405
4 1/2	6405	10515

### Bit Sizes

Size	From	To
12 1/4	0	1473
8 3/4	1473	6405
6 1/8	6405	10515

### Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
Freshwater	9 - 9.8						0	10515

### Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
G1713	44	0	8/30/2013 8:00:39 AM	5583	9/1/2013 8:00:39 AM	6405
G1713	41	0	9/2/2013 7:30:40 AM	6405	9/4/2013 5:30:40 AM	10515

*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.*





















