

**Well:** State 7-62-36  
**Company:** Antelope Energy Company LLC  
**Field:** Wildcat  
**API:** 05-123-32486  
**Surface Loc.:** 660' FNL X 660' FWL NWNW  
**BHL(Est.):** same  
**Sec TwN Rng:** Sec 36, T7N, R62W  
**County:** Weld County, Colorado  
**GL (ft):** 4780  
**KB (ft):** 4792  
**Date Spudded:** 13-Dec-10  
**Date TD:** 18-Dec-10  
**Well Type:** Niobrara / Codell- straight hole



Mark A. Scanniello  
[mscanniello@goolsbybrothers.com](mailto:mscanniello@goolsbybrothers.com)  
 Cell 303-818-2134

### Well Site Geology Report State 7-62-36

All depths in ft

Log Tops	Depth	Subsea
Parkman Ss	3395	1577
Niobrara	6322	-1350
Fort Hays	6552	-1580
Codell	6598	-1626
DTD	6737	
LTD	6732	

**Operations** Drilling (Excel 3) operations went well. PSI had no problems with the well bore.

**Niobrara** No obvious faulting looked to be present in the Niobrara. Though only minor 'oily' fluorescence was noted at various depths thru the section, sample shows across the entire interval yielded rapid heavy bright green milky cuts and heavy bright yellow-green residual ring cut fluorescence. A strong brown residual ring cut was extracted from all three benches, and weaker residual ring cuts thru the balance of the Niobrara. The "B" bench looked to be part chalky in the samples and exhibited strong total gas readings (up to 1650u) as well as fair e-log responses (10-14% porosity, 20-30 ohms, trace neutron x-over).

**Codell** A fair increase in gas (600 to 1500u) and fair sample shows were noted in the thin Codell section, which recorded about 5-8% log porosity, as well as a peak porosity value of 11%. The argillaceous nature of this sandstone was noted in the drill samples.

Thank you  
 Mark A. Scanniello  
 Goolsby Brothers & Assoc. Inc

Dry cut samples of the Niobrara and Carlile have been saved.