

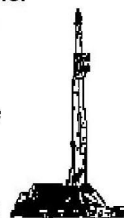
**Well:** State 7-62-16  
**Company:** Antelope Energy Company LLC  
**Field** Wildcat  
**API:** 05-123-32489  
**Surface Loc.:** 660' FNL X 660' FWL SESE  
**BHL(Est.):** same  
**Sec Twn Rng:** Sec 16, T7N, R62W  
**County:** Weld County, Colorado  
**GL (ft):** 4913  
**KB (ft):** 4925  
**Date Spudded:** 21-Dec-10  
**Date TD:** 31-Dec-10  
**Well Type:** Niobrara / Codell- straight hole



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Geological Wellsite  
 Supervision

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### Well Site Geology Report State 7-62-16

All depths in ft

Log Tops	Depth	Subsea
Parkman Ss	3599	1326
Niobrara	6580	-1655
Fort Hays	6742	-1817
Codell	6796	-1871
DTD	6961	
LTD	6961	

**Operations** Drilling (Excel 3) operations went very slowly from the Niobrara top to TD due to severe cold and blizzard conditions near TD. PSI had no problems with the well bore.

**Niobrara** The entire "A" bench had been removed by faulting in this well. Minor 'oily' fluorescent shows were noted at various depths thru the "B" and "C" benches. sample shows across the Niobrara yielded rapid heavy bright green milky cuts and heavy bright yellow-green residual ring cut fluorescence. The "B" bench looked intermittently chalky in the samples and exhibited strong total gas readings (up to 2000u) as well as fair e-log responses (12-14% porosity across the bulk of the bench with 20-30 ohms, but no neutron x-over observed).

**Codell** A moderate gas increase in gas (500 to 700u) was observed when the Codell sand samples reached surface. Fair sample shows were noted in this quite thin Codell section, which recorded about 4.5ft. of 10% log porosity. The peak porosity value was 10% in the Codell. The sand was quite argillaceous in consistency..

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