

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



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Supervision

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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.