

COMPLETION PROCEDURE

WELL NAME: Mobile Premix I35-06 **DATE:** 6/16/2014
LOCATION:
Qtr/Qtr: SE/NW Section: 35 Township: 6N Range: 66W
COUNTY: Weld **STATE:** Colorado
OBJECTIVE: Codell Refrac/Niobrara Recomplete
PRODUCTION STATUS: May, 2014 production rate: 16 MCFD & 2 BOPD

PROCEDURE

Codell/Niobrara combo procedures

4 1/2" csg frac (**Codell Refrac/Niobrara Recomplete**)

- 1) MIRU workover rig. Top kill well in 10 bbl increments w/ clean 2% KCL.
- 2) ND wellhead, NU BOPE. POOH w/ production tubing.
- 3) RIH w/bit, scraper & 2 3/8" tubing. Tag TD & clean out to PBTD if necessary. POOH.
- 4) Set RBP @ +/- 6936'. (**100 feet above top Niobrara perf**)
Pressure test csg to 4800 psi.
- 5) POOH with RBP.
- 6) No Codell re-perfing will be done. Run a pump test with the rig pump to ensure existing perms are open.
- 7) Re-frac Codell down csg past open Niobrara perms w/ 135,000 gals of gel containing 245,000# 20/40 sand.
- 8) RIH w/ composite flow through plug and set @ 7212'. (**40' below bottom Niobrara perf**)
- 9) Perf Niobrara w/ 3 1/8" gun w/ 2 spf, 0.73" holes, 120 degree phasing, 20 gram charges, (6.73" penetration) from 7036' - 7048' (24 holes) and 7160' - 7172' (24 holes). Perf depths based on Dual Induction Log dated 10/20/2005.
- 10) Frac Niobrara down csg w/ 179,000 gal Vistar/Silverstim/Slickwater fluid & 250,000# 30/50 sand.
- 11) Flow back well overnight on 20/64" choke - WELL SHOULD BE FLOWED BACK @ +/- 150 BBLS/HOUR.
- 12) Put well to production.
- 13) Commingle zones in 2 months.