



**E.L. Minch 24-4RD-D**  
**05-123-35402**  
**SE SW Sec 4 T3N R68W**  
**Weld County, Colorado**  
**WELLBORE SCHEMATIC**  
5/31/2012

**Spud Date:** 4/21/2012  
Ensign #55  
Rig Released: 4/26/12

**KB:** 5069  
**GL:** 5053

**Surface Casing:**

8 5/8" 24# J-55  
Surf to 695'  
Cementers Inc. cemented w/ 490 sxs  
5 bbl cmt. To surface

**Production Casing:**

4.5" 11.6# E-80  
Surf to 7513'  
Halliburton cmt. 4/26/12 with 300 sx. 11.3# lead  
and 200 sxs. 13.5# FracCemB2 tail cement

**Tubing:**  
not run yet

**TOC:** 3050' from Superior CBL  
dated 4-9-2012

**Formation Perfs:**

**Workovers:**

Frac'd NIO "C" on 5-9-2012 with Superior  
pumped 801 BBL. Pad, 1000 gal 15% acid and 3847 BBL. SLF Fluid  
90,140 lbs. of 30/50 White Sand  
ATP= 4519 psi, Max=4737 psi, AR= 61.1 BPM, Max= 61.9 BPM  
ISIP=3177 psi, FG=0.87; 5 min.= 2471 psi

Niobrara "C" Perfs : 7254-7274' 4 spf, 60 phas, 19 grm.

CIFTPB at 7300'

Codell 7353-7376' 4 spf, 60 deg., 19 gram, 0.41 entry  
Frac'd Codell on 5-4-2012 with Superior  
pumped 814 BBL. Pad and 4131 BBL. SLF Fluid  
90,140 lbs. of 30/50 White Sand  
ATP= 4171 psi, Max=4768 psi, AR= 62.3 BPM, Max= 64.6 BPM  
ISIP=2930 psi, FG=0.831, 5 min.= 2871 psi

MD: 7546'  
TVD: 7534'  
PBSD: 7492'