



**E.L. Minch 25-9D**  
**05-123-33642**  
**Sec 9 T3N R68W**  
**Weld County, Colorado**  
**WELLBORE SCHEMATIC**  
5/16/2012

**Spud Date:** 3/21/2012  
Ensign #55

**KB:** 5067  
**GL:** 5051

**Surface Casing:**

8 5/8" 24# J-55  
Surf to 710'  
Cementers Inc. cemented w/ 500 sxs  
5 bbl cmt. To surface

**Production Casing:**

4.5" 11.6# E-80  
Surf to 7512'  
Halliburton cmt. 3/26/12 with 350 sx. 11.3# lead  
and 200 sxs. 13.5# FracCemB2 tail cement

**TOC:** 2550' from Superior CBL  
dated 4-9-2012

**Tubing:**  
not run yet

**Formation Perfs:**

**Niobrara "B" Perfs : 7180-7194', 4 spf, 60 phas, 19 grm.**

Frac'd NIO "B" & "C" together on 4-19-2012 with Superior  
pumped 920 BBL. Pad, 1000 gal 15% acid and 4083 BBL. SLF Fluid  
90,300 lbs. of 30/50 White Sand  
ATP= 4512 psi, Max=5610 psi, AR= 62.7 BPM, Max= 64.9 BPM  
ISIP=2969 psi, FG=0.844; 5 min.= 2940 psi

**Niobrara "C" Perfs : 7238-7244'  
7254-7258'**

**Codell 7387-7410'**

Frac'd Codell on 4-11-2012 with Superior  
pumped 810 BBL. Pad and 4392 BBL. SLF Fluid  
90,400 lbs. of 30/50 White Sand  
ATP= 4146 psi, Max=5067 psi, AR= 60.1 BPM, Max= 61.7 BPM  
ISIP=2895 psi, FG=0.824, 5 min.= 2742 psi

CIFTPB at 7300'

MD: 7535'  
TVD: 7452'  
PBD: 7474'