

WELLBORE DIAGRAM
NOBLE ENERGY INC
ROTHER 1
NESE SEC 2 4N 64W
WELD COUNTY
05-123-11633

Existing

Proposed

8-5/8" 24# @ 442' cmt
w/ 300 sks to surface

Welded cap
10 sks at surface

Behind 4-1/2
Shoot holes at 642' &
squeeze **175 sx** to surface

Inside 4-1/2
Pump 55 sks from 642' to
surface

Perforate casing at 2,500' &
pump balanced plug of 175 sx
from 2,500' to 2,000', 1.15 ft³/sk

All cement Class G mixed at 15.8 ppg, 1.15 cuft/sk (unless otherwise noted); calcs include excess

4-1/2" CIBP @ 6,380'
w/ 2 sx

Deepest Water Well: 400"
Base of Fox Hills: 256"

Sussex top: 4,147'
Niobrara top: 6,440'
Codell top: 6,709'




TOC @ 5,600'
(CBL)

Niobrara perfs 6,432'-6,534'

Codell perfs 6,709'-6,722'

4-1/2" 10.5# @ 6,825'
cmt w/ 250 sks

PBMD: 6,825'

Legend	
	Water
	Existing Cement
	New Cement
	Existing Mud

*NOT TO SCALE