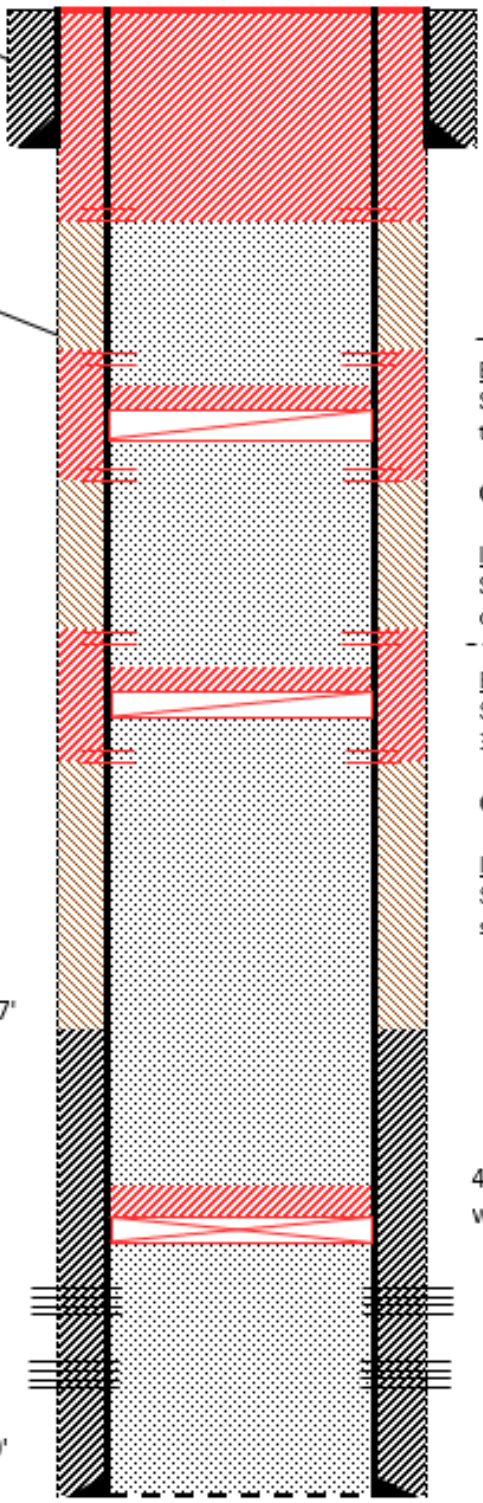
AFE # **19054**

WELLBORE DIAGRAM
NOBLE ENERGY INC
DIETRICH RC 7-1
NENE SEC 7 4N 64W
WELD COUNTY
05-123-13183

Existing

Proposed



hole size: 12-1/4"

8-5/8" 24# @ 301' cmt
w/ 225 sks to surface

hole size: 7-7/8"

DWW: 380'
Base of Fox Hills: 438'

Sussex top: 4,312'
Niobrara top: 6,819'
Codell top: 7,028'

TOC @ 6,207'
(CBL)

Niobrara perfs 6,826'-6,922'

Codell perfs 7,030'-7,044'

4-1/2" 15.1# @ 7,150'
cmt w/ 230 sks

PBMD: 7,150'

Welded cap
10 sks at surface

Behind 4-1/2
Shoot holes at 488' & squeeze **120 sx** to surface

Inside 4-1/2
Pump **33 sks** from 488' to surface

Behind 4-1/2
Shoot holes at 2,500' and 2,200' to squeeze **70 sks**

CICR @ 2,240'

Inside 4-1/2
Sting out of CICR & pump **10 sks** on top of CICR

Behind 4-1/2
Shoot holes at 4,000' and 3,700' to squeeze **70 sks**

CICR @ 3,740'

Inside 4-1/2
Sting out of CICR & pump **10 sks** on top of CICR

All cement Class G mixed at 15.8 ppg, 1.39 cuft/sk; calcs include excess

4-1/2" CIBP @ 6,770'
w/ 2 sks

Legend
Water
Existing Cement
New Cement
Existing Mud

*NOT TO SCALE