

NOBLE ENERGY INC
EDWARD HEMPLE UNIT #1
NWNW SEC 20 4N 65W
WELD COUNTY
05-123-08913

Existing

Proposed

hole size: 12-1/4"

8-5/8" 24# @ 461' cmt
w/ 375 sks to surface

Deepest Water Well: 122'
Base of Fox Hills: 310'

hole size: 7-7/8"-

Sussex top: 4,458'

TOC @ 3,791'
(CALC)

Sussex perfs 4,458'-4,494'

4-1/2" 10.5# @ 4,581'
cmt w/ 200 sks

PBMD: 4,548'

Welded cap
10 sks at surface

Behind 4-1/2
Shoot holes at 661' &
squeeze **148 sks** to surface

Inside 4-1/2
Pump **49 sks** from 661' to
surface





Behind 4-1/2
Shoot holes at 2,500' and 2,000'
to squeeze **122 sks**

CICR @ 2,400'

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 @ 4,400'
w/ 2 sks

| Legend | |
|---|-----------------|
|  | Water |
|  | Existing Cement |
|  | New Cement |
|  | Existing Mud |

*NOT TO SCALE