

Existing

KB=11'

Proposed

Wardell UPRR 31-29 #3

API: 05-123-13795

Surface Casing/Hole

Casing Size/Depth: 8 5/8, 24#/ft @

594'

Hole Size/Depth: 12 1/4" @

594'

80'

390'

Stub Plug Top

520 sx

Fox Hills Formation Marker

1160'

*Depth from Induction Log

1260'

Shoot off Casing

1360'

Cmt bottom

Sussex Top
Squeeze Perfs

4536'

none

*Depth from COGCC

3 bbls

4360'

470 sx

4330'

Top squeeze perf

4930'

Btm squeeze perf

TOC - OD

6340'

Niobrara Top

6978'

*Depth from COGCC

30 sx

6500'

TOC - ID

6900'

Niobrara Perfs

6986' - 7054'

Codell Perfs

7240' - 7250'

Production Casing/Hole

Casing Size/Depth

4 1/2" x 15.1#/ft @

7356'

Hole Size/Depth

7 7/8" @

7356'

Existing Cement

New CICR

Existing CICR

New CIBP

Existing CIBP

New Cement

Sand Plug