

Existing

KB=10'

Proposed

1415 Corporation D GU 1

API: 05-123-08938

Surface Casing/Hole

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

Hole Size/Depth: 12 1/4" @

637'

640'

Cmt to Surf

80'

430'

Stub Plug Top

600 sx

Fox Hills Formation Marker 1180'

1280'

Shoot Off

1380'

Stub Plug Bottom

4020'

TOC - ID

4200'

Top Perf

4230'

Sussex Top 4399'

Squeeze Perfs None

*Sussex producer within 1 mile

Sussex Base 4695'

Squeeze Perfs None

*No Shannon producer within 1 mile

480 sx

4800'

Bottom Perf

TOC - OD 6890'

6630'

TOC - ID

Niobrara top 7169'

50 sx

Codell Perfs 7466' - 7484'

7400'

J Sand Perfs 7914' - 7946'

2 sx

7850'

Production Casing/Hole

Casing Size/Depth 4 1/2" x 10.5#/ft @ 8042'

Hole Size/Depth 7 7/8" @ 8055'

Caliper Size 12" + 40% @ FH

Caliper Size 12" from 4200' to 4540'

Caliper Size 16" from 4540' to 4580'

Caliper Size 11" from 4580' to 4800'

Existing Cement

New CICR

Existing CICR

New CIBP

Existing CIBP

New Cement

Sand Plug