

Existing

KB=10'

Proposed

KB: 4983'

Rehder 1

GL: 4973'

API: 05-123-07554

Surface Casing/Hole

Casing Size/Depth: 8 5/8, 24#/ft @ 215'
Hole Size/Depth: 12 1/4" @ 215'

Cmt

100'

100'

TOC ID

Est. Top of Existing Cement 390'
DV tool @ 768' cmt'd w/200 sx

780'

Top Perf

810'

430 sx

Fox Hills Formation Marker 1290'

1340'

Bottom Perf

4092'

TOC ID

4250'

Top Perf

4280'

360sx

Sussex Top 4453'
No perfs

4653'

Bottom Perf

6527'

TOC ID

6685'

Top Perf

6715'

230 sx

Niobrara Top 7085'
No perfs

7350'

Bottom Perf

Existing TOC 7370' Estimated

2 sx

7800'

J Sand Perfs 7836' - 7860'

Production Casing/Hole

Casing Size/Depth 4.5" x11.6 #/ft @ 7954'
Hole Size/Depth 7.875" @ 7980'

Existing Cement

New CICR

Existing CICR

New CIBP

Existing CIBP

New Cement

Drilling Mud