

Existing

KB=11'

Proposed

Palmer X 20-05

API: 05-123-28000

Surface Casing/Hole

TOC @ 648'

Casing Size/Depth: 8 5/8, 24#/ft @ 979'

Fox Hills Formation Marker 1367'

Sussex Not productive in 1 mile

Top 4490'

Base 4674'

Shannon

Not productive within 1 mile

Niobrara Top 7022'

EXISTING RBP

Codell Perfs 7312'-7323'

Production Casing/Hole

Casing Size/Depth 4 1/2" x 11.6#/ft @ 7468'

Hole Size/Depth 7 7/8" (bit size) @ 7473'

Cmt to surf

150'

45 sx

45 sx

40 sx

7275'

875' TOC inside csg

1470' BOC inside csg

4290' TOC in casing

4875' BOC in casing

6620' TOC in casing

7265' BOC inside casing

Existing Cement

New CIBP

New Cement

Water

Existing Mud

Existing RBP