

Existing

KB=12'

Proposed

Graham E C #1

API: 05-123-09656

Surface Casing/Hole

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

Hole Size/Depth: 12 1/4" @

842'

842'

80'

640'

Stub Plug Top

Fox Hills Formation Marker

1222'

420 sx

1330'

Shoot off Casing

1430'

Cmt bottom

Sussex Top 4709'

Squeeze Perfs none

Shannon Top 5220'

Squeeze Perfs none

Productive within 1 mile

3 bbls

4540'

4510'

Top squeeze perf

630 sx

5420'

Btm squeeze perf

TOC - OD

6885'

7070'

TOC - ID

Niobrara Top

7470'

7470'

Cmt btm - ID

30 sx

2 sx

8150'

Codell Perfs

8230' - 8266'

Production Casing/Hole

Casing Size/Depth 4 1/2" x 10.5-11.6#/ft @ 8398'

Hole Size/Depth 7 7/8" @ 8398'

Existing Cement**New CICR****Existing CICR****New CIBP****Existing CIBP****New Cement****Sand Plug**