

Existing

KB=11'

Proposed

**Hart A Gas Unit 1**

API: 05-123-07327

Surface Casing/Hole

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

Hole Size/Depth: 12 1/4" @

635'

640'

**Cmt to Surf****100'**

300'

Stub Plug Top

Fox Hills Formation Marker

1206'

**670 sx**

1410'

Crack Coupling

1510'

Stub Plug Bottom

Sussex

No perfs

Top

4531'

Shannon

No perfs

Base

5100'

4182'

TOC ID

4330'

Top Perf

**4360'****630 sx**

5150'

Bottom Perf

**~26 bbls**

6742'

TOC ID

6900'

Top Perf

Niobrara Top

7305'

No perfs

Estimated TOC 7300'

**6930'****160 sx**

7290'

Bottom Perf

**J Sand Perfs****8040' - 8068'**Production Casing/Hole

Casing Size/Depth

4.5" x11.6 / #/ft @

8152'

Hole Size/Depth

7.875" @

8160'

**2 sx****7960'**

Existing Cement

**New CICR**

Existing CICR

**New CIBP**

Existing CIBP

**New Cement****Drilling Mud**