

Existing

KB=10'

Proposed

HSR-Houston "B" 4-16

API: 05-123-18933

Surface Casing/Hole

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

Hole Size/Depth: 12 1/4" @

Fox Hills Formation Marker

685'

695'

BP

Cmt to Surf

80'

485'

Stub Plug Top

230 sx

885'

985'

Shot Off

Stub Plug Bottom

Cement interval 3700'-4980'

Sussex

No perfs

Top

3950'

3700'

ID cmt top

60 sx

Shannon

No perfs

Base

4180'

4400'

ID cmt btm

OH TOC 6360'

6650'

TOC - ID

30 sx

6980'

Niobrara Perfs

7158'-7160'

Codell Perfs

7341'-7346'

Production Casing/Hole

Casing Size/Depth 4 1/2" x 11.6#/ft @ 7480'

Hole Size/Depth 7 7/8" @ 7494'

Existing Cement

New CICR

Existing CICR

New CIBP

Existing CIBP

New Cement

Sand Plug