



Existing

Proposed

### Antelope S-31

API: 05-123-32841

Surface Casing/Hole

Fox Hills Base

165'

200 sx

0'

Top of Cmt

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

427'

Hole Size/Depth: 13 1/2" @

427'

477'

Bottom of Cmt

90 sx

1900'

Top of Cmt

2100'

Jet Cut Casing

2150'

Bottom of Cmt

Top of Cement

2470'

Niobrara Top (from form 5)

6194'

2 sx

6120'

Niobrara Perfs

6200' - 6350'

Codell Perfs

6458' - 6468'

Production Casing/Hole

Casing Size/Depth

4 1/2" x 11.6#/ft @

6579'

Hole Size/Depth

7 7/8" @

6579'

New Cement

Existing Cement

New CIBP

Existing CIBP

New CICR

Existing CICR

Sand Plug