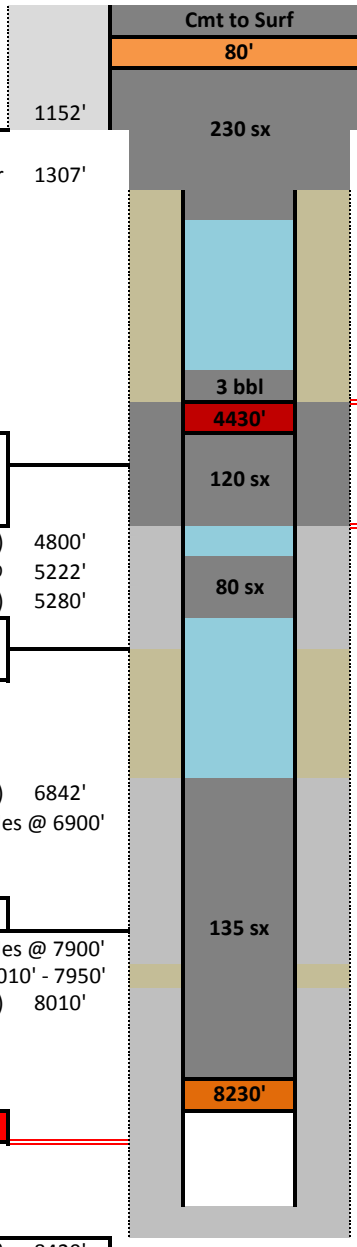
Existing | KB=11' | **Proposed**

Johnston 22-24

API: 05-123-19788



Surface Casing/Hole

Casing Size/Depth: 8 5/8, 24#/ft @ 1152'

Fox Hills Formation Marker 1307'

Sussex	Producing in 1 mile	
Top	4656'	
Base	4854'	

OH TOC (CBL) 4800'

DV Tool @ 5222'

OH BOC (CBL) 5280'

Shannon	Base @ 5310'
Productive within 1 mile	

OH TOC (CBL) 6842'

Squeeze holes @ 6900'

Niobrara Top	7432'

Squeeze holes @ 7900'

No Cement from 8010' - 7950'

TOC primary (CBL) 8010'

J sand Perf	8280' - 8302'

Production Casing/Hole

Casing Size/Depth	5 1/2'' x 17#/ft @	8420'
Hole Size/Depth	7 7/8" (bit size) @	8428'

950' TOC inside csg

1500' Shoot off casing

1600' BOC inside csg

4300' TOC in casing

4400' Squeeze Perfs & TOC in annulus

4660' Squeeze perfs

4800' TOC in casing

5510' BOC in casing

6800' TOC in casing

8230' BOC inside casing

Existing Cement
New CIBP
New Cement
Water
Existing Mud
New CICR