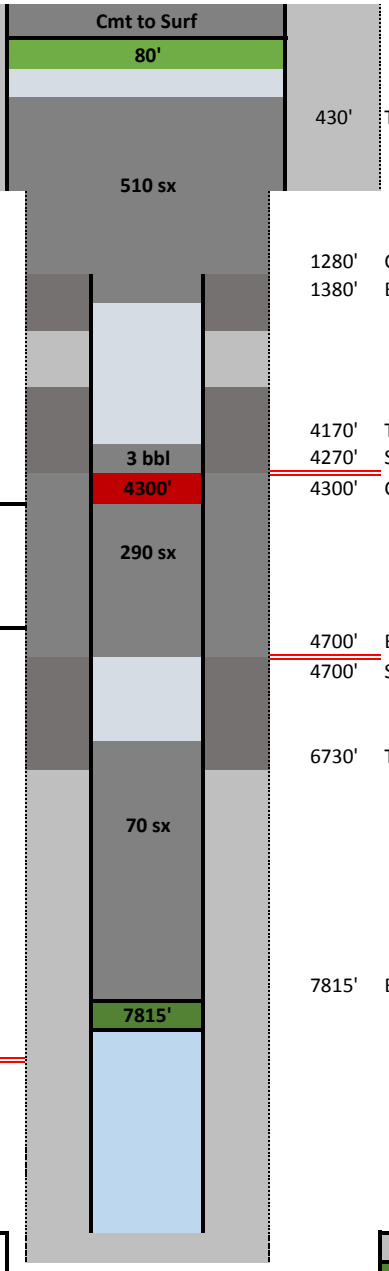
Existing | KB=10' | **Proposed**

UPRR 22 Pan Am M 1

API: 05-123-08552



Surface Casing/Hole

Casing Size/Depth: 8 5/8, 24#/ft @ 637'

Fox Hills Formation Marker 1179'

TOC from Squeeze 1652'

Squeezed Hole in Casing 1958' 1988'

BOC from Squeeze 1975'

Sussex	No perfs
Top	4478'
Base	4660'

Shannon	No perfs
Not productive within 1 mile	

OH TOC (CBL) 6690'

Previous Cmt Squeeze Perfs 6700'

Previous Cmt Squeeze Perfs 7090'

Niobrara Top	7130'

J sand	7865' - 7929'

430' TOC inside surf csg

1280' Cut 4 1/2" csg

1380' BOC inside csg

4170' TOC inside csg

4270' Squeeze Perfs

4300' CICR

4700' BOC inside csg

4700' Squeeze Perfs

6730' TOC inside csg

7815' BOC inside csg

Production Casing/Hole

Casing Size/Depth	4 1/2" x 11.6#/ft @	8029'
Hole Size/Depth	7 7/8" @	8029'

Existing Cement
New CIBP
New Cement
Water
Existing Mud
New CICR