API:	**05-123-21418**	**CREATED BY:**	**G. MACAULEY**	**DATE:**	**Apr 21, 2022**
WELL NAME:	**YOUEL 16-1**	**ELEVATION:**	**4794**	**QTRQTR:**	**SESE**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4784**	**SEC:**	**1**
LATITUDE:	**40.2475618**	**MD:**	**7471**	**TWN:**	**3N**
LONGITUDE:	**-104.8315663**	**PBMD:**	**7447**	**RNG:**	**67W**

Existing | DATUM: RKB | KB=10' | **Proposed**

Hole Size/Depth 12-1/4" / 655'

Deepest water well in 1 mile - 355'

540 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 655'

Sussex NOT productive in 1 mile
Top 4209'
Base 4421'
Shannon Base 4790' - NOT productive in 1 mile

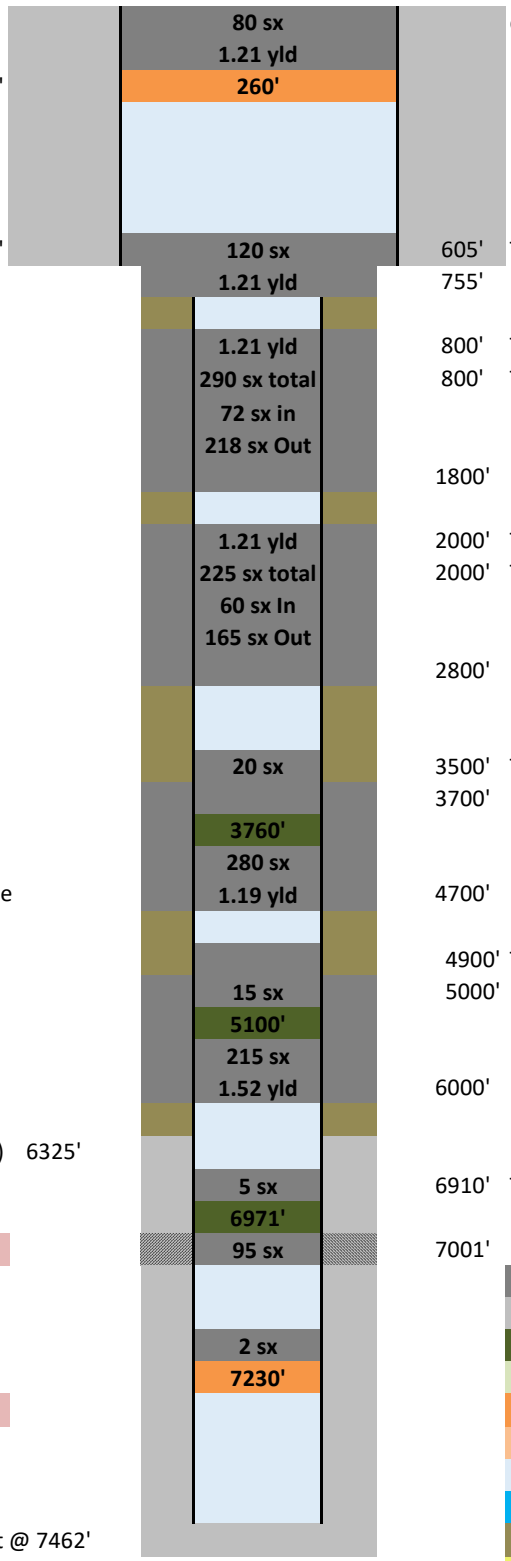
TOC (from CBL) 6325'

Niobrara Top 6990'
Niobrara Perfs 7001-7066

Codell Perfs 7288' - 7298'

225 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7462'
Hole Size/Depth 7-7/8" / 7471'



605' TOC
755' BOC/Cut casing
800' TOC in csg
800' TOC behind csg
1800' Perfs/BOC
2000' TOC in csg
2000' TOC behind csg
2800' Perfs/BOC
3500' TOC in csg
3700' Perfs/TOC
4700' Perfs/BOC
4900' TOC in csg
5000' Perfs/ TOC
6000' Perfs/ BOC
6910' TOC in csg
7001' Perfs/BOC

cmt to surface

New Cement
Existing Cement
New CICR
Existing CICR
New CIBP
Existing CIBP
Treated Water
Brine
Mud
Sand Plug