API:	**05-123-21120**	**CREATED BY:**		**DATE:**	**Nov 7, 2023**
WELL NAME:	**BURCH 3-1A**	**ELEVATION:**	**4830**	**QTRQTR:**	**NENW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4820**	**SEC:**	**1**
LATITUDE:	**40.1739842**	**MD:**	**7876**	**TWN:**	**2N**
LONGITUDE:	**-104.9529177**	**PBMD:**	**7877**	**RNG:**	**68W**

Existing — DATUM: RKB, KB=10' — **Proposed**

Hole Size/Depth 12-1/4" / 685'

Deepest water well in 1 mile - 237'

470 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 673'

Upper Pierre Aquifer Base 1520'

Sussex Productive in 1 mile
Top 4126'
Base 4273'
Shannon Base 4689' - Productive in 1 mile

TOC (from CBL) 6735'

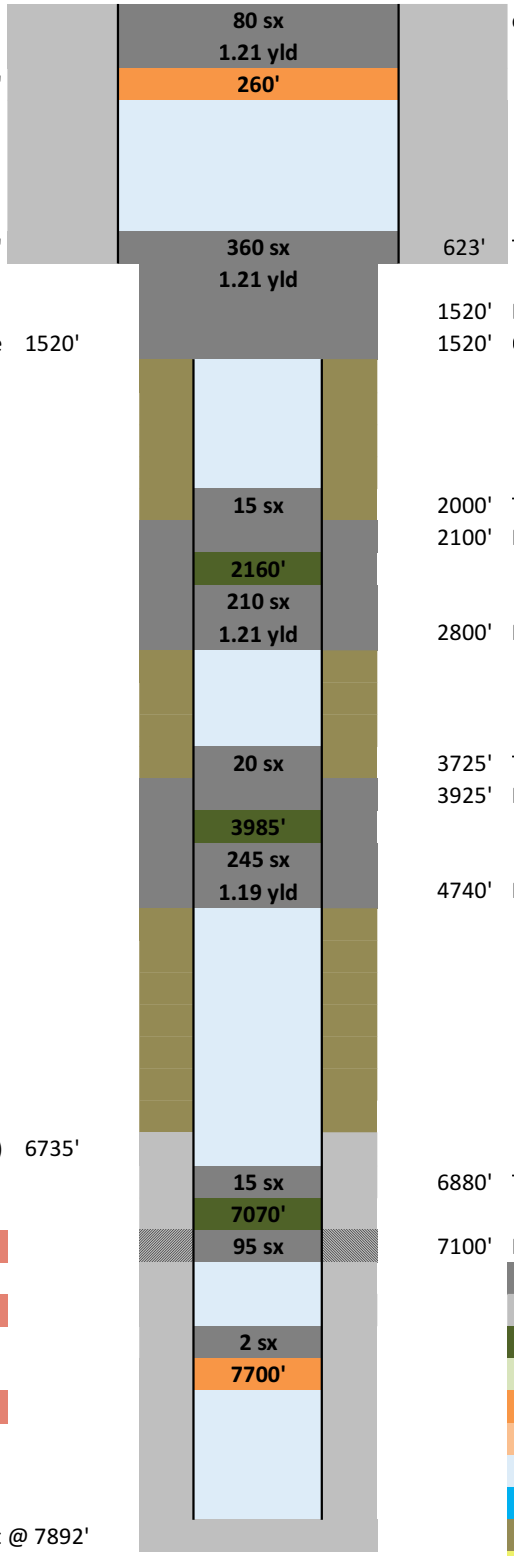
Niobrara Top 6977'
Niobrara Perfs 7100' - 7176'

Codell Perfs 7308' - 7320'

J Sand Perfs 7756' - 7776'

225 Sx Cmt

Production Casing 4-1/2", 11.6#, I-70 set @ 7892'
Hole Size/Depth 7-7/8" / 7876'



623' TOC
1520' BOC
1520' Cut casing
2000' TOC in csg
2100' Perfs/TOC
2800' Perfs/BOC
3725' TOC in csg
3925' Perfs/TOC
4740' Perfs/BOC
6880' TOC in csg
7100' Perfs/BOC

cmt to surface

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