API:	**05-123-24685**	**CREATED BY:**	**C. MARTIN**	**DATE:**	**Nov 1, 2024**
WELL NAME:	**RUSSELL 22-31**	**ELEVATION:**	**4982**	**QTRQTR:**	**NWSW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4970**	**SEC:**	**31**
LATITUDE:	**40.2682443**	**MD:**	**7540**	**TWN:**	**4N**
LONGITUDE:	**-104.9393148**	**PBMD:**	**7497**	**RNG:**	**67W**

Existing | DATUM: RKB, KB=12' | **Proposed**

Hole Size/Depth 12-1/4" / 780'

80 sx
1.21 yld
cmt to surface

Deepest water well in 1 mile - '

260'

295 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 771'

245 sx
1.21 yld
721' TOC

Upper Pierre Aquifer Base 1262'

1270' BOC/Cut casing

1.21 yld
1700' TOC in csg

55 sx
In Csg
1700' TOC behind csg

165 sx
Sqz'd
2400' Perfs/BOC

TOC (from CBL) 2700'

5 sx
4101'
4040' TOC in csg

Sussex NOT productive in 1 mile
Top 4131'
Base 4355'

95 sx
4131' Perfs/BOC

Shannon Base 4782' - NOT productive in 1 mile

15 sx
7073'
6880' TOC in csg

Niobrara Top 7103'

85 sx
7103' Perfs/BOC

Codell Perfs 7396' - 7416'

680 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7527'

Hole Size/Depth 7-7/8" / 7540'

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