API:	**05-123-27399**	**CREATED BY:**	**B. Dean**	**DATE:**		**9/20/2023**
WELL NAME:	**RUSSELL 19-31**	**ELEVATION:**	**4964**	**QTRQTR:**	**NWSW**	
COUNTY:	**WELD**	**GROUND LEVEL:**	**4950**	**SEC:**	**31**	
LATITUDE:	**40.2664379**	**MD:**	**7508**	**TWN:**	**4N**	
LONGITUDE:	**-104.9373542**	**PBMD:**	**7429**	**RNG:**	**67W**	

Existing — DATUM: RKB, KB=14' — **Proposed**

Hole Size/Depth 12-1/4" / 775'

Deepest water well in 1 mile - 300'

750 Sx Cmt

Surface Casing **8-5/8", 24#, J-55 set @ 766'**

Upper Pierre Aquifer Base 1252'

TOC (from CBL) 3094'

Sussex Productive in 1 mile
Top 4119'
Base 4283'

Shannon Base 4706' - NOT productive in 1 mile

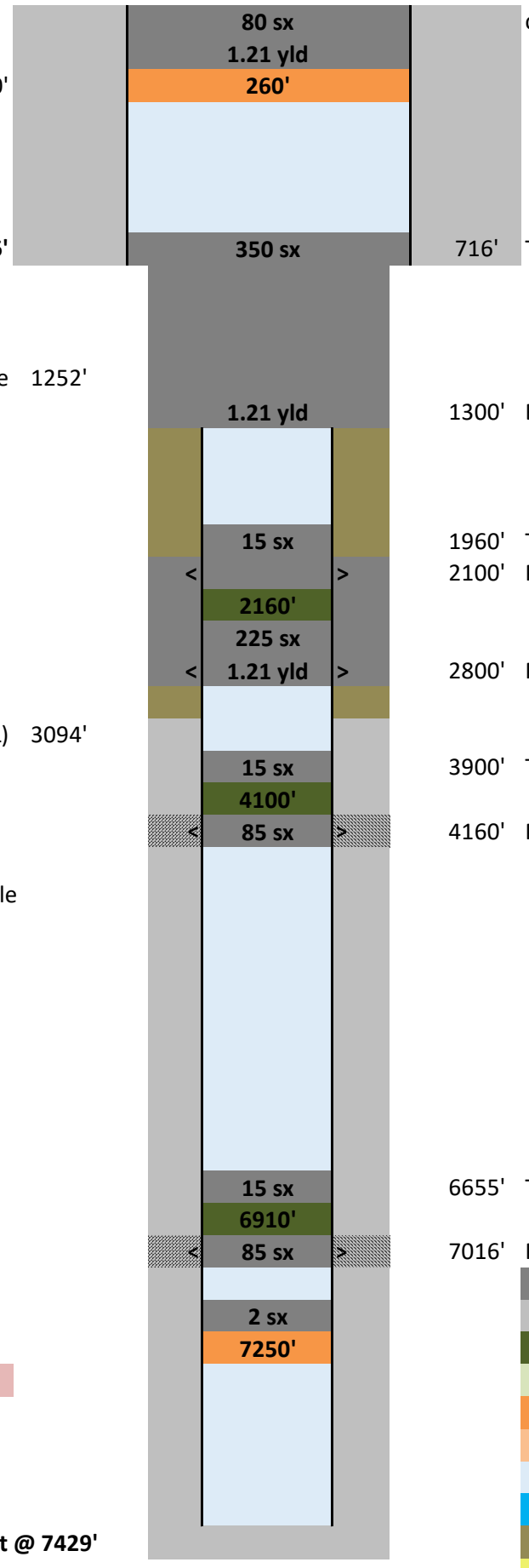
Niobrara Top 6997'

Codell Perfs 7287' - 7308'

1035 Sx Cmt

Production Casing **4-1/2", 11.6#, L-80 set @ 7429'**

Hole Size/Depth 7-7/8" / 7508'



716' TOC

1300' BOC/Cut casing

1960' TOC in csg

2100' Perfs/TOC

2800' Perfs/BOC

3900' TOC in csg

4160' Perfs/BOC

6655' TOC in csg

7016' Perfs/BOC

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