API:	**05-123-30713**	**CREATED BY:**	**J. GLASS**	**DATE:**	**Dec 11, 2024**
WELL NAME:	**OLIN L FEDERAL 31-29D**	**ELEVATION:**	**4843**	**QTRQTR:**	**SESW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4830**	**SEC:**	**30**
LATITUDE:	**40.189914**	**MD:**	**8051**	**TWN:**	**3N**
LONGITUDE:	**-104.822301**	**PBMD:**	**7992**	**RNG:**	**66W**

Existing — DATUM: RKB, KB=13' — **Proposed**

Hole Size/Depth 12-1/4" / 748'

80 sx, 1.21 yld — cmt to surface

Deepest water well in 1 mile - 450'

260'

323 Sx Cmt

Surface Casing 8-5/8", 32# J-55 set @ 733'

305 sx — 683' TOC

1.21 yld — 1400' BOC/Cut casing

Upper Pierre Aquifer Base 1480'

TOC (from CBL) 1620'

5 sx — 1550' TOC in csg

1610'

95 sx — 1640' Perfs/BOC

5 sx — 4270' TOC in csg

Sussex Productive in 1 mile

4330'

Top 4360'

95 sx — 4360' Perfs/BOC

Base 4572'

Shannon Base Absent

380 Sx Cmt: Stage 2 - DV Tool @ 5419'

BOC (from CBL) 5419'

TOC (from CBL) 6640'

5 sx — 7085' TOC in csg

Niobrara Top 7127'

7146'

Niobrara Perfs 7176' - 7254'

95 sx — 7176' Perfs/BOC

Codell Perfs 7390' - 7406'

2 sx

7800'

J Sand Perfs 7830' - 7868'

250 Sx Cmt

Production Casing 4-1/2", 11.6#, M-80 set @ 8037'

Hole Size/Depth 7-7/8" / 8051'

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