API:	**05-123-28045**	**CREATED BY:**	**C. MARTIN**	**DATE:**	**Mar 31, 2023**
WELL NAME:	**REI H 9-33D**	**ELEVATION:**	**4860**	**QTRQTR:**	**SWSW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4847**	**SEC:**	**9**
LATITUDE:	**40.235406**	**MD:**	**7387**	**TWN:**	**3N**
LONGITUDE:	**-104.676553**	**PBMD:**	**7364**	**RNG:**	**65W**

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

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

80 sx
1.21 yld — cmt to surface

Deepest water well in 1 mile - 300'

260'

55 sx — 450' TOC

1.21 yld — 500' Cut casing

269 Sx Cmt / TOC (from CBL) 686'

Surface Casing 8-5/8", 24#, J-55 set @ 689'

790' BOC

5 sx — 1470' TOC in csg

Upper Pierre Aquifer Base 1553'

1530'

95 sx — 1560' Perfs/BOC

5 sx — 2840' TOC in csg

2900'

95 sx — 2930' Perfs/BOC

5 sx — 4160' TOC in csg

Sussex Productive in 1 mile

Top 4254'

4224'

95 sx — 4254' Perfs/BOC

Base 4549'

Shannon Base Absent

15 sx — 6725' TOC in csg

Niobrara Top 6951'

6950'

Niobrara Perfs 7010' - 7122'

95 sx — 7010' Perfs/BOC

Codell Perfs 7236' - 7250'

1084 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7382'

Hole Size/Depth 7-7/8" / 7387'

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