API:	**05-123-17870**	**CREATED BY:**	**C. MARTIN**	**DATE:**	**Jun 15, 2023**
WELL NAME:	**KOESTER 24-33**	**ELEVATION:**	**4854**	**QTRQTR:**	**SESW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4844**	**SEC:**	**33**
LATITUDE:	**40.2637846**	**MD:**	**7315**	**TWN:**	**4N**
LONGITUDE:	**-104.8980763**	**PBMD:**	**7273**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 500'

Deepest water well in 1 mile - 590'

340 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 489'

80 sx
1.21 yld
cmt to surface

260'

439' TOC

690 sx
1.21 yld
1615' BOC/Cut casing

15 sx
1890' TOC in csg
2100' Perfs/TOC

2160'

225 sx
1.21 yld
2800' Perfs/BOC

15 sx
3680' TOC in csg
3880' Perfs/TOC

Sussex NOT productive in 1 mile
Top 4080'
Base 4240'

3940'

270 sx
1.19 yld

Shannon Base 4656' - Productive in 1 mile
4710' Perfs/BOC

TOC (from CBL) 6344'

2 sx

Niobrara Top 6915'

6865'

Niobrara Perfs 6984' - 6990'

Codell Perfs 7182' - 7192'

185 Sx Cmt

Production Casing 3-1/2", 7.7#, WC-70 set @ 7309'

Hole Size/Depth 7-7/8" / 7315'

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