API:	**05-123-26912**	**CREATED BY:**	**K. MILAM**	**DATE:**	**Nov 29, 2021**
WELL NAME:	**GRAY 18-16**	**ELEVATION:**	**4882**	**QTRQTR:**	**SENW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4870**	**SEC:**	**16**
LATITUDE:	**40.3143359**	**MD:**	**7535**	**TWN:**	**4N**
LONGITUDE:	**-104.8984724**	**PBMD:**	**7493**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 740'

80 sx, 1.21 yld — cmt to surface

Deepest water well in 1 mile - 200'

260'

310 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 725'

120 sx, 1.21 yld — 675' TOC, 825' BOC/Cut casing

1.21 yld, 55 sx, In Csg — 1000' TOC in csg, 1000' TOC behind csg

130 sx — 1700' Perfs/BOC

1.21 yld, 40 sx, In Csg — 1900' TOC in csg, 1900' TOC behind csg

130 sx — 2470' Perfs/BOC

TOC (from CBL) 2700'

5 sx, 2770' — 2710' TOC in csg

95 sx — 2800' Perfs/BOC

15 sx — 3960' TOC in csg

Sussex NOT productive in 1 mile

4150'

Top 4173'

85 sx — 4193' Perfs/BOC

Base 4378'

Shannon Base 4797' - Productive in 1 mile

2 sx, 6970'

Niobrara Top 7037'

2 sx, 7290'

Codell Perfs 7358' - 7378'

675 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7524'

Hole Size/Depth 7-7/8" / 7535'

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