API:	**05-123-16073**	**CREATED BY:**	**G. MACAULEY**	**DATE:**	**Jul 19, 2023**
WELL NAME:	**HSR-TRAIN 12-35**	**ELEVATION:**	**4851**	**QTRQTR:**	**NWSW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4841**	**SEC:**	**35**
LATITUDE:	**40.2661167**	**MD:**	**7452**	**TWN:**	**4N**
LONGITUDE:	**-104.750909**	**PBMD:**	**7381**	**RNG:**	**66W**

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

Hole Size/Depth 12-1/4" / 425'

90 sx
1.21 yld
cmt to surface

Deepest water well in 1 mile - 440'

300'

290 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 414'

430 sx
1.21 yld
364' TOC

1500' BOC

1500' Cut casing

Upper Pierre Aquifer Base 1470'

1.21 yld
1500' TOC in csg

40 sx
In Csg
1500' TOC behind csg

120 sx
Sqz'd
2000' Perfs/BOC

20 sx
3700' TOC in csg

Sussex Productive in 1 mile
3900' Perfs/TOC

Top 4241'

3960'

Base '

245 sx
1.19 yld

Shannon Base ' - NOT productive in 1 mile
4700' Perfs/BOC

TOC (from CBL) 5750'

5 sx
6900' TOC in csg

Niobrara Top 6970'

6962'

Niobrara Perfs 6992' - 7179'

95 sx
6992' Perfs/BOC

Codell Perfs 7291' - 7306'

200 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7439'

Hole Size/Depth 7-7/8" / 7452'

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