API:	**05-123-19091**	**CREATED BY:**	**B. Dean**	**DATE:**	**Jan 26, 2023**
WELL NAME:	**HSR-KNOX 5-3**	**ELEVATION:**	**4848**	**QTRQTR:**	**SWNW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4838**	**SEC:**	**3**
LATITUDE:	**40.4307428**	**MD:**	**7320**	**TWN:**	**5N**
LONGITUDE:	**-104.885395**	**PBMD:**	**7287**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 645'

440 Sx Cmt

Surface Casing **8-5/8", 24#, J-55 set @ 632'**

Upper Pierre Aquifer Base 1147'

Deepest water well in 1 mile - 1170'

Sussex Productive in 1 mile

Top 4058'

Base 4229'

Shannon Base 4699' - NOT productive in 1 mile

TOC (from CBL) 6290'

Niobrara Top 6818'

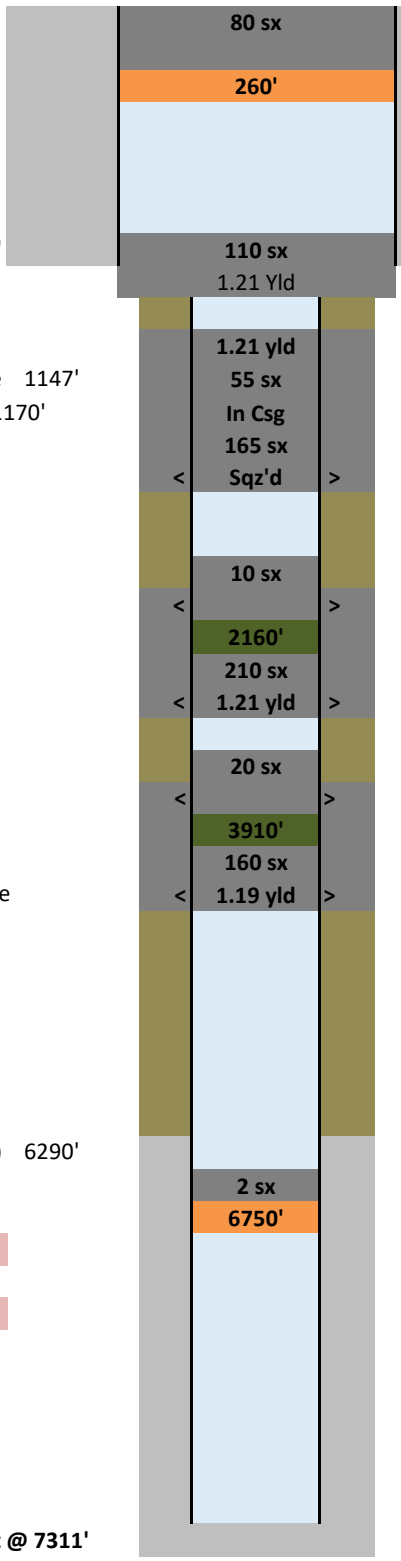
Niobrara Perfs 6822' - 6955'

Codell Perfs 7137' - 7147'

175 Sx Cmt

Production Casing **4-1/2", 11.6#, L-80 set @ 7311'**

Hole Size/Depth 7-7/8" / 7320'



580' TOC in Csg

690' Csg Cut/BOC

900' TOC in csg

900' TOC behind csg

1600' Perfs/BOC

2035' TOC in csg

2100' Perfs/TOC

2800' Perfs/BOC

3650' TOC in csg

3850' Perfs/TOC

4350' Perfs/BOC

New Cement
Existing Cement
New CICR
Existing CICR
New CIBP
Existing CIBP
Treated Water