API:	**05-123-19090**	**CREATED BY:**	**B. Dean**	**DATE:**	**Jan 26, 2023**
WELL NAME:	**HSR-KNOX 4-3**	**ELEVATION:**	**4832**	**QTRQTR:**	**NWNW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4822**	**SEC:**	**3**
LATITUDE:	**40.4344561**	**MD:**	**7288**	**TWN:**	**5N**
LONGITUDE:	**-104.8850108**	**PBMD:**	**7251**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 621'

Deepest water well in 1 mile - 275'

440 Sx Cmt

Surface Casing **8-5/8", 24#, J-55 set @ 620'**

Upper Pierre Base 1134'

Deepest water well in 1 mile - 1170'

Sussex Productive in 1 mile
Top 4049'
Base 4220'
Shannon Base 4671' - NOT productive in 1 mile

TOC (from CBL) 6314'

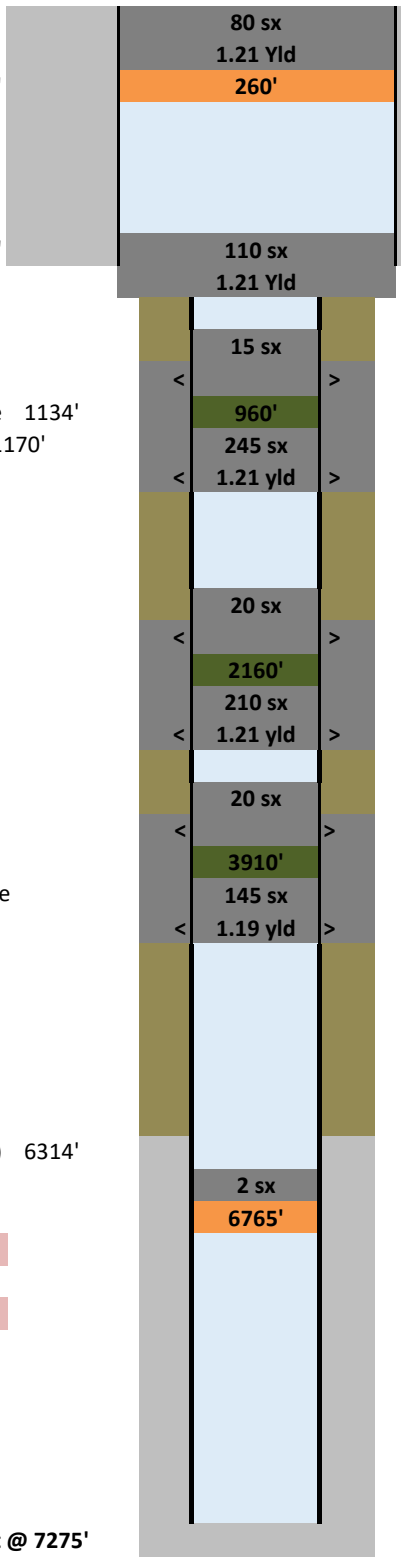
Niobrara Top 6815'
Niobrara Perfs 6820' - 6952'

Codell Perfs 7134' - 7144'

160 Sx Cmt

Production Casing **4-1/2", 11.6#, L-80 set @ 7275'**

Hole Size/Depth 7-7/8" / 7288'



cmt to surface
570' TOC in Csg
680' Csg Cut/BOC
770' TOC in csg
900' Perfs/TOC
1700' Perfs/BOC
2035' TOC in csg
2100' Perfs/TOC
2800' Perfs/BOC
3650' TOC in csg
3850' Perfs/TOC
4320' Perfs/BOC

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