API:	**05-123-20557**	**CREATED BY:**	**K. MCMILLAN**	**DATE:**	**Nov 7, 2024**
WELL NAME:	**HSR-GARDNER 13-11**	**ELEVATION:**	**4957**	**QTRQTR:**	**SWSW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4945**	**SEC:**	**11**
LATITUDE:	**40.1465854**	**MD:**	**8115**	**TWN:**	**2N**
LONGITUDE:	**-104.8654472**	**PBMD:**	**8035**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 684'

Deepest water well in 1 mile - 568'

Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 683'

Upper Pierre Aquifer Base 1478*

TOC (from CBL) 4156'

Sussex Productive in 1 mile
Top 4321'
Base 4602'
Shannon Base 5052' - NOT productive in 1 mile

330 Sx Cmt: Stage 2

BOC (from CBL) 5374'

TOC (from CBL) 6670'

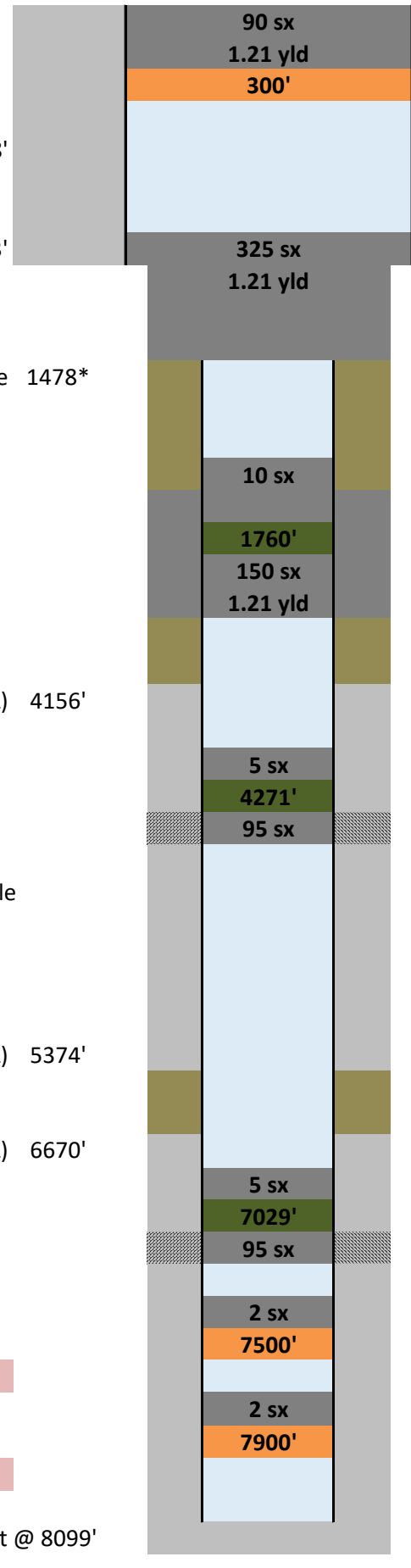
Niobrara Top 7079'

Codell Perfs 7540' - 7560'

J Sand Perfs 7964' - 8012'

270 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 8099'
Hole Size/Depth 7-7/8" / 8115'



633' TOC

1400' Cut casing
1450' BOC

1635' TOC in csg
1700' Perfs/TOC

2200' Perfs/BOC

4210' TOC in csg

4321' Perfs/BOC

6965' TOC in csg

7079' Perfs/BOC

cmt to surface

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