API:	**05-123-19375**	**CREATED BY:**	**A. SIMMONS**	**DATE:**	**Jun 20, 2023**
WELL NAME:	**HSR-ELLIOT FARMS 2-18A**	**ELEVATION:**	**4852**	**QTRQTR:**	**NWNE**
COUNTY:	**WELD**	**GROUND LEVEL:**	**4842**	**SEC:**	**18**
LATITUDE:	**40.230966**	**MD:**	**7325**	**TWN:**	**3N**
LONGITUDE:	**-104.930075**	**PBMD:**	**7276**	**RNG:**	**67W**

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

Hole Size/Depth 12-1/4" / 612'

Deepest water well in 1 mile - 39'

425 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 603'

Upper Pierre Aquifer Base 1188'

Sussex Productive in 1 mile
Top 3979'
Base 4197'

Shannon Base 4623' - NOT productive in 1 mile

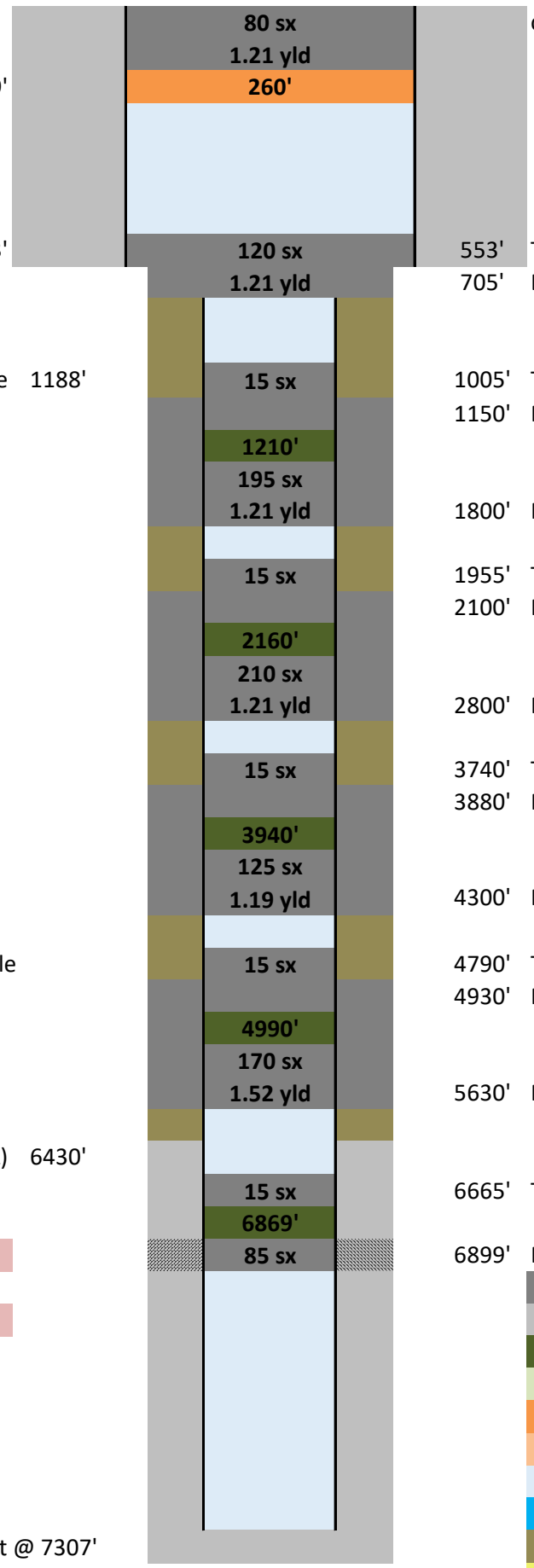
TOC (from CBL) 6430'

Niobrara Top 6898'
Niobrara Perfs 6899' - 6970'

Codell Perfs 7166' - 7176'

150 Sx Cmt

Production Casing 4-1/2", 11.6#, I-80 set @ 7307'
Hole Size/Depth 7-7/8" / 7325'



cmt to surface

553' TOC

705' BOC/Cut casing

1005' TOC in csg
1150' Perfs/TOC

1800' Perfs/BOC

1955' TOC in csg
2100' Perfs/TOC

2800' Perfs/BOC

3740' TOC in csg
3880' Perfs/TOC

4300' Perfs/BOC

4790' TOC in csg
4930' Perfs/TOC

5630' Perfs/BOC

6665' TOC in csg

6899' Perfs/BOC

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