API:	**05-123-16907**	**ELEVATION:**	**4879**	**QTR-QTR:**	**NWSW**
WELL NAME:	**HEIN W 19-12**	**GROUND LEVEL:**	**4868**	**SECTION:**	**19**
COUNTY:	**WELD**	**MD:**	**7589**	**TWNSHIP:**	**2N**
LATITUDE:	**40.121275**	**PBMD:**	**7569**	**RANGE:**	**66W**
LONGITUDE:	**-104.827514**	**CREATED BY:**	**D. HASZ**		
		DATE:	9/28/2017		

Existing | DATUM: RKB, KB=11' | **Proposed**

Hole Size/Depth: 12 1/4" - 660'

Surface Casing
Casing Size/Depth: 8-5/8", 24#/ft @ 654'

Fox Hills Formation Marker 1168'

TOC (from CBL) 4066'

Sussex
Top 4432'
BOC (from CBL) 4606'
Base 4622'
Productive within 1 mile

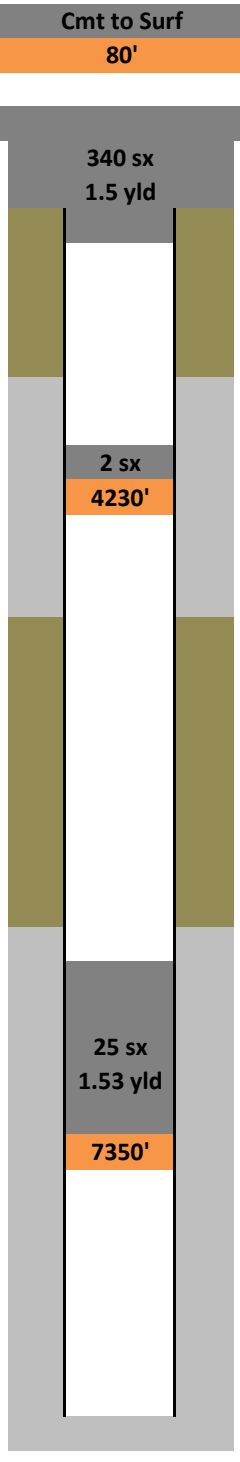
Shannon Absent
NOT productive within 1 mile

TOC (from CBL) 6580'

Niobrara Top 7162'

Codell Perfs 7406' - 7418'

Production Casing/Hole
Casing Size/Depth 3-1/2", 7.7#/ft @ 7587'
Hole Size/Depth 7 7/8" (bit size) @ 7589'



604' TOC in S.C.

1270' Shoot off casing
1370' BOC inside csg

6760' TOC inside csg

- Existing Cement
- New CICR
- Existing CICR
- New CIBP
- Existing CIBP
- New Cement
- Sand Plug
- Existing Mud