API:	**05-123-22997**	**ELEVATION:**	**4872**	**QTR-QTR:**	**SESW**
WELL NAME:	**MANN 14-11**	**GROUND LEVEL:**	**4860**	**SECTION:**	**11**
COUNTY:	**WELD**	**MD:**	**7765**	**TWNSHIP:**	**2N**
LATITUDE:	**40.1476072**	**PBMD:**	**7732**	**RANGE:**	**65W**
LONGITUDE:	**-104.6326881**	**CREATED BY:**	**D. HASZ**		
		DATE:	1/30/2018		

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

Hole Size/Depth: 12-1/4" - 866'

Surface Casing

Casing Size/Depth: 8-5/8", 24#/ft @ 856'

Fox Hills Formation Marker 1262'

TOC (from CBL) 3820'

Sussex
Top 4210'
Base 4515'
Productive within 1 mile

Shannon Absent
NOT productive within 1 mile

Stage Tool 4800'

BOC (from CBL) 4802'

TOC (from CBL) 6350'

Squeeze Holes 6400'

Squeeze Holes 6648'

Niobrara Top 6869'

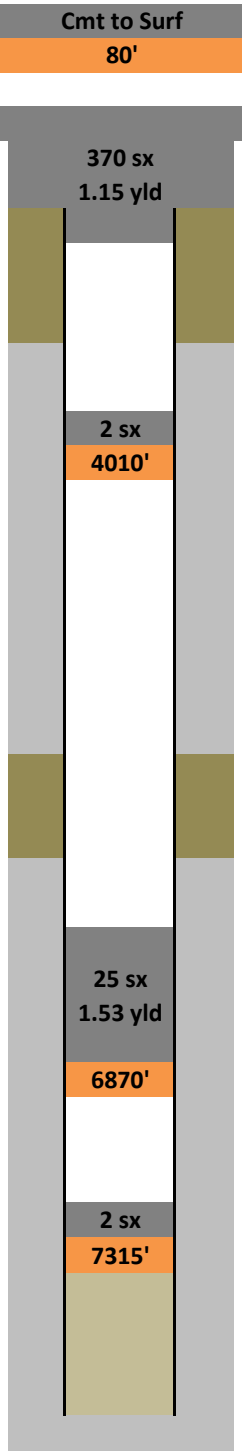
Niobrara Perfs 6928' - 7024'

Codell Perfs 7142' - 7158'

Top of Sand Plug 7330'

J Sand Perfs 7584' - 7634'

Production Casing/Hole
Casing Size/Depth 4-1/2", 11.6#/ft @ 7747'
Hole Size/Depth 7-7/8" (bit size) @ 7765'



806' TOC in S.C.

1365' Shoot off casing
1465' BOC inside csg

6465' TOC inside csg

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