API:	**05-123-22986**	**ELEVATION:**	**4946**	**QTR-QTR:**	**SWSE**
WELL NAME:	**RICE 23-33**	**GROUND LEVEL:**	**4930**	**SECTION:**	**33**
COUNTY:	**WELD**	**MD:**	**7560**	**TWNSHIP:**	**3N**
LATITUDE:	**40.1775898**	**PBMD:**	**7515**	**RANGE:**	**66W**
LONGITUDE:	**-104.7816505**	**CREATED BY:**	**C. MARTIN**		
		DATE:	7/25/2018		

Existing

DATUM: RKB
KB=16'

Proposed

Hole Size/Depth 12-1/4" - 913'

Cmt to Surface
80'

Surface Casing

842' TOC in S.C.

Casing Size/Depth: 8-5/8", 24#/ft @ 892'

220 sx
1.55 yld

Fox Hills Formation Marker 1166'

1270' Shoot off casing
1370' BOC inside csg

TOC (from CBL) 3885'

2 sx
4185'

Sussex
Top 4389'
Base 4624'
Productive within 1 mile

Shannon Absent
NOT productive within 1 mile

6690' TOC inside csg

25 sx
1.53 yld

Niobrara Top 7143'

7090'

Niobrara Perfs 7172' - 7272'
Codell Perfs 7397' - 7414'

Production Casing/Hole
Casing Size/Depth 4-1/2", 11.6#/ft @ 7548'
Hole Size/Depth 7-7/8" (bit size) @ 7560'

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