API:	**05-123-34067**	**ELEVATION:**	**4913**	**QTR-QTR:**	**NESE**
WELL NAME:	**MORTON 23-1**	**GROUND LEVEL:**	**4898**	**SECTION:**	**1**
COUNTY:	**WELD**	**MD:**	**8296**	**TWNSHIP:**	**1N**
LATITUDE:	**40.0765184**	**PBMD:**	**8262**	**RANGE:**	**67W**
LONGITUDE:	**-104.8334598**	**CREATED BY:**	**D. HASZ**		
		DATE:	4/13/2017		

Existing

DATUM: RKB
KB=15'

Proposed

Hole Size/Depth 12 1/4" - 890'

Cmt to Surf
80'

Surface Casing

780' TOC in S.C.

Casing Size/Depth: 8-5/8", 24#/ft @ 886'

830' Shoot off casing

TOC (from CBL) 894'

Fox Hills Formation Marker 1289'

90 sx
1.5 yld

1390' BOC inside csg

2 sx
4550'

Sussex
Top 4761'
Base 4930'
Productive within 1 mile

Shannon Absent
NOT productive within 1 mile

6990' TOC inside csg

30 sx
1.53 yld

Niobrara Top 7391'

7420'

Niobrara Perfs 7492' - 7586'

Codell Perfs 7721' - 7739'

Stage Tool / BOC 7981' / 7985'

TOC (from CBL) 8114'

Production Casing/Hole

Casing Size/Depth 4-1/2", 11.6#/ft @ 8287'

Hole Size/Depth 7 7/8" (bit size) @ 8296'

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