API:	**05-123-15768**	**KB ELEVATION:**	**4785**	**QTR-QTR:**	**NWSE**
WELL NAME:	**OPATRIL 12-10L**	**GROUND LEVEL:**	**4772**	**SECTION:**	**12**
COUNTY:	**WELD**	**MD:**	**7412**	**TWNSHIP:**	**3N**
LATITUDE:	**40.237278**	**PBMD:**	**7352**	**RANGE:**	**67W**
LONGITUDE:	**-104.8371**	**CREATED BY:**	**D. HASZ**		
		DATE:	9/11/2017		

Existing

DATUM: RKB
KB=13'

Proposed

Hole Size/Depth 12 1/4" - 520'

Cmt to Surf
80'

Surface Casing

463' TOC in S.C.

Casing Size/Depth: 8-5/8", 23#/ft @ 513'

330 sx
1.16 yld

Fox Hills Formation Marker 866'

970' BOC inside csg

3875' TOC in O.H.

Sussex

190 sx
1.16 yld

Top 4200'

Base 4415'

4400' BOC in O.H.

NOT Productive within 1 mile

4400' Shoot off casing

Shannon 4784'

NOT Productive within 1 mile

6600' TOC inside csg

TOC (from CBL) 6804'

15 sx
1.53 yld

7230'

Niobrara Top 7002'

Codell Perfs 7286' - 7296'

Liner/Hole

Casing Size/Depth 2-7/8", 6.5#/ft @ 7384'

Hole Size/Depth 7-7/8 (bit size) @ 7412'

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