API:	**05-123-15769**	**KB ELEVATION:**	**4789**	**QTR-QTR:**	**SWSE**
WELL NAME:	**OPATRIL 12-15L**	**GROUND LEVEL:**	**4776**	**SECTION:**	**12**
COUNTY:	**WELD**	**MD:**	**7423**	**TWNSHIP:**	**3N**
LATITUDE:	**40.23374**	**PBMD:**	**7379**	**RANGE:**	**67W**
LONGITUDE:	**-104.83758**	**CREATED BY:**	**D. HASZ**		
		DATE:	9/11/2017		

Existing

DATUM: RKB
KB=13'

Proposed

Hole Size/Depth 12 1/4" - 525'

Cmt to Surf
80'

Surface Casing

469' TOC in S.C.

Casing Size/Depth: 8-5/8", 23#/ft @ 519'

260 sx
1.5 yld

Fox Hills Formation Marker 862'

965' BOC inside csg

3875' TOC in O.H.

Sussex

150 sx
1.51 yld

Top 4210'

Base 4430'

4410' BOC in O.H.

NOT Productive within 1 mile

4410' Shoot off casing

Shannon 4785'

NOT Productive within 1 mile

TOC (from CBL) 6354'

6605' TOC inside csg

25 sx
1.53 yld

Niobrara Top 7005'

7230'

Codell Perfs 7282' - 7292'

Liner/Hole

Casing Size/Depth 2-7/8", 6.5#/ft @ 7411'

Hole Size/Depth 7-7/8 (bit size) @ 7423'

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