API:	**05-123-15618**	**KB ELEVATION:**	**4887**	**QTR-QTR:**	**NWSW**
WELL NAME:	**OLIN 17-12K**	**GROUND LEVEL:**	**4878**	**SECTION:**	**17**
COUNTY:	**WELD**	**MD:**	**7960**	**TWNSHIP:**	**3N**
LATITUDE:	**40.22237**	**PBMD:**	**7946**	**RANGE:**	**66W**
LONGITUDE:	**-104.80902**	**CREATED BY:**	**Daniel Notary**		
		DATE:	9/28/2015		

DATUM: RKB
KB=9'

FINAL

Hole Size/Depth 12 1/4" - 496'
Surface Casing
Casing Size/Depth: 8 5/8, 24#/ft @ 496'

Cmt to Surf
80'
263' TOC inside csg
90 sx
1.33 yld

OH TOC 550' — 540' Shoot off csg
580' BOC inside csg

Fox Hills Formation Marker 1000'

Csg leak sqz 2040' — **20 sx** — 1756' TOC inside csg
OH BOC 2050' — **1.15 yld** — 2169' BOC inside csg

3 bbls — 4093' Top sqz perfs
4124'

Sussex — No perfs
Top 4295'
Not productive within 1 mile

280 sx
1.15 yld
4500' Bottom sqz perfs

Shannon — No perfs
Base 4938'
Not productive within 1 mile

OH TOC (from CBL) 6574'
6628' TOC inside casing

25 sx
1.38 yld

Niobrara Top 7076'
Niobrara Perfs 7078' - 7221'
7028'

Codell Perfs 7358' - 7376'

2 sx
7385'

Production Casing/Hole
Casing Size/Depth 4 1/2'' x 11.6#/ft @ 7463'
Hole Size/Depth 7 7/8" (bit size) @ 7472'
J Sand Perfs 7800' - 7858'
Deepened Liner 2 7/8" x 6.5#/ft @ 7959'

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