

API:	05-123-23765	KB ELEVATION:	5011'	QTR-QTR:	NW NE
WELL NAME:	FT LUPTON HIGHLANDS 31-9	GROUND LEVEL:	4999'	SECTION:	9
COUNTY:	WELD	MD:	8124'	TOWNSHIP:	1N
LATITUDE:	40.07118	PBMD:	8061'	RANGE:	66W
LONGITUDE:	-104.77986	CREATED BY:	STERLING METZGER		
	EXISTING	DATE:	8/22/2016		PROPOSED

		DATUM: RKB	
		KB=12'	
Hole Size/Depth	12 1/4" - 1120'		
<u>Surface Casing</u>		<b>Cmt to Surf</b>	
		<b>80'</b>	
Deepest water well in 1 mile	1014'		1060' TOC
Casing Size/Depth: 8-5/8", 24#/ft @	1110'		
		<b>300 SX</b>	
Fox Hills Formation Marker	1472'	<b>1.16 YLD</b>	
		<b>15.8 PPG</b>	1580' Cut Casing
			1680' BOC
TOC (CBL)	3856'		
			4340' TOC in CSG
		<b>40 SX</b>	
Sussex Top	4541'	<b>1.18 YLD</b>	
Sussex is Productive within 1 mile		<b>15.8 PPG</b>	
Sussex Base	4767'		
			4820' BOC in CSG
Shannon Base	Absent		
Shannon NOT Productive within 1 mile			
BOC (CBL)	5070'		
<b>DV TOOL</b>	<b>5070'</b>		
TOC (CBL)	6328'		
			6750' TOC in CSG
		<b>25 SX</b>	
		<b>1.55 YLD</b>	
		<b>15.8 PPG</b>	
Niobrara Top	7152'	<b>7200'</b>	
Niobrara	7260'-7276'		
Codell	7488'-7500'		
		<div><div>Existing Cement</div><div>New CICR</div><div>Existing CICR</div><div>New CIBP</div><div>Existing CIBP</div><div>New Cement</div><div>Sand Plug</div><div>Existing Mud</div></div>	
Production Casing/Hole			
Casing Size/Depth	4-1/2" x 11.6#/ft @	8078'	
Hole Size/Depth	7 7/8" (bit size) @	8112'	