

API:	05-069-06401	ELEVATION:	4964'	QTR-QTR:	NESE
WELL NAME:	MIRACLE 16-12	GROUND LEVEL:	4948'	SECTION:	12
COUNTY:	LARIMER	MD:	8175'	TOWNSHIP:	5N
LATITUDE:	40.413786	PBMD:	8125'	RANGE:	68W
LONGITUDE:	-104.945549	CREATED BY:	S. FRANTZ/ C GRAY		
		DATE:	10/21/2016		

Existing			DATUM: RKB KB=16'		FINAL	
Hole Size/Depth	12 1/4" - 695'		<b>CMT To Surf</b>			
<u>Surface Casing</u>			<b>80'</b>			
Deepest Water Well In 1 Mile		200'			454'	Tgd TOC
Casing Size/Depth: 8 5/8, 24#/ft @		686'	<b>89 SX</b>			
Fox Hills Formation Marker		BP	<b>1.50 yld</b>			
			<b>15.8 ppg</b>			
					785'	Shoot Off CSG
					885'	BOC In CSG
TOC in Annulus (from CBL)		1050'				
TOC in Annulus (from CBL)		3600'				
DV Tool		3769'			3765'	Tgd TOC In CSG
Sussex	No Perfs					
Top	4242'					
Base	4503'		<b>40 sx</b>			
			<b>1.53 yld</b>			
NOT Productive Within 1 Mile					4450'	BOC In CSG
Shannon	No Perfs					
Base	4951'					
NOT Productive Within 1 Mile						
					6445'	Tgd TOC In CSG
			<b>40 SX</b>			
			<b>1.53 yld</b>			
Niobrara Top	7236'		<b>7171'</b>		RBP	
Niobrara Perfs	7254' - 7468'					
Codell Perfs	7563' - 7583'					
Production Casing/Hole						
Casing Size/Depth	4 1/2" x 11.6#/ft @	8159'				
Hole Size/Depth	7 7/8" (bit size) @	8175'				

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