

API:	05-123-14231	KB ELEVATION:	4988	QTR-QTR:	SWNW
WELL NAME:	HSR-REDER 5-13	GROUND LEVEL:	4978	SECTION:	13
COUNTY:	WELD	MD:	8025	TWNSHIP:	3N
LATITUDE:	40.2269668	PBMD:	7993	RANGE:	66W
LONGITUDE:	-104.732272	CREATED BY:	T. SLOAN		
		DATE:	8/7/2018		

Existing			DATUM: RKB KB=10'	Proposed	
Hole Size/Depth	12-1/4" - 670'				
			Cmt to Surf		
			80'		
<u>Surface Casing</u>				598'	TOC in S.C.
Casing Size/Depth: 8-5/8", 24#/ft @	648'				
			340 sx 1.5 yld		
Fox Hills Formation Marker	1167'				
				1270'	Shoot off casing
				1370'	BOC inside csg
			3 bbl	4055'	TOC inside csg
				4185'	Top Sq Perfs
Sussex			4245'		
Top	4388'		145 sx		
Base	4659'		1.79 yld	4710'	Bot Sq Perfs
Productive within 1 mile					
Shannon	Absent				
NOT Productive within 1 mile					
TOC (from CBL)	6650'				
			25 sx 1.53 yld	6705'	TOC inside csg
			7105'		
Niobrara Top	7122'				
Niobrara Perfs	7180' - 7189'				
Codell Perfs	7406' - 7420'				
	Liner Top / Liner TOC	7472'			
<u>Production Casing/Hole</u>					
Casing Size/Depth	4-1/2", 11.6#/ft @	7529'			
Hole Size/Depth	7-7/8" (bit size) @	7565'			
			2 sx		
			7790'		
J Sand Perfs	7864' - 7910'				
<u>Liner/Hole</u>					
Casing Size/Depth	2-7/8", 6.5# @	8025'			
Hole Size/Depth	3-7/8" (bit size) @	8025'			

Existing Cement

New CICR

Existing CICR

New CIBP

Existing CIBP

New Cement

Sand Plug

Existing Mud