

API: 05-123-21103		CREATED BY: K. MCMILLAN		DATE: Jan 13, 2025	
WELL NAME: RAINE 1-5A		ELEVATION: 4900		QTRQTR: NENE	
COUNTY: WELD		GROUND LEVEL: 4890		SEC: 5	
LATITUDE: 40.1726467		MD: 7992		TWN: 2N	
LONGITUDE: -104.7937677		PBMD: 7969		RNG: 66W	
Existing		DATUM: RKB		Proposed	
Hole Size/Depth 12-1/4" / 645'		KB=10'		cmt to surface	
		90 sx			
		1.21 yld			
		300'			
Deepest water well in 1 mile - 580'					
440 Sx Cmt					
Surface Casing 8-5/8", 24#, J-55 set @ 629'		385 sx		579' TOC	
		1.21 yld			
				1500' Cut casing	
				1550' BOC	
Upper Pierre Aquifer Base 1585'		10 sx		1665' TOC in csg	
				1700' Perfs/TOC	
		1760'			
		150 sx			
		1.21 yld		2200' Perfs/BOC	
TOC (from CBL) 4236'					
Sussex Productive in 1 mile		5 sx		4275' TOC in csg	
Top 4389'		4339'			
Base 4615'		95 sx		4389' Perfs/BOC	
Shannon Base Absent					
		5 sx		6975' TOC in csg	
		7035'			
Niobrara Top 7085'		95 sx		7085' Perfs/BOC	
		2 sx			
		7720'			
J Sand Perfs 7794' - 7860'					
525 Sx Cmt					
Production Casing 4-1/2", 11.6#, I-80 set @ 7984'					
Hole Size/Depth 7-7/8" / 7992'					

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cmt to surface

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1500' Cut casing

1550' BOC

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1700' Perfs/TOC

2200' Perfs/BOC

4275' TOC in csg

4389' Perfs/BOC

6975' TOC in csg

7085' Perfs/BOC

New Cement
Existing Cement
New CICR
Existing CICR
New CIBP
Existing CIBP
Treated Water
Brine
Mud
Sand Plug