

<b>WELL NAME:</b>	<b>HERMAN 32-9K</b>	<b>GROUND LEVEL:</b>	<b>4893</b>	<b>SEC:</b>	<b>32</b>
<b>COUNTY:</b>	<b>WELD</b>	<b>MD:</b>	<b>7975</b>	<b>TWN:</b>	<b>3N</b>
<b>LATITUDE:</b>	<b>40.1801102</b>	<b>PBMD:</b>	<b>7975</b>	<b>RNG:</b>	<b>66W</b>
<b>LONGITUDE:</b>	<b>-104.7944938</b>	<b>CREATED BY:</b>	<b>D. MCDANIEL</b>		
		<b>DATE:</b>	<b>May 7, 2019</b>		

Existing		DATUM: RKB KB=10'		Proposed
Hole Size/Depth	12-1/4" / 713'		<b>50 sx</b> <b>1.15 yld</b>	150' Cmt to Surface BOC
Deepest water well in 1 mile - 547'				
335 Sx Cmt				
<u>Surface Casing</u>	8-5/8", 23#/ft set @ 713'		<b>95 sx</b> <b>1.55 yld</b>	663' TOC 815' BOC
			<b>25 sx</b> <b>1.55 yld</b>	2447' TOC 2500' Cut casing 2550' BOC
TOC (from CBL) 3982'			<b>10 sx</b> <b>1.55 yld</b>	3898' TOC 4200' BOC
Sussex				
Top	4347'			
Base	4588'			
Productive within 1 mile				
Shannon	Absent			
NOT productive within 1 mile				
407 Sx Cmt:	On Gel Spacer @ 4940'			
	BOC (from CBL) 4940'			
TOC (from CBL) 6564'				
			<b>15 sx</b> <b>1.53 yld</b>	6625' TOC
Niobrara Top	7102'		<b>7025'</b>	
Niobrara Perfs	7092' - 7216'			
Codell Perfs	7358' - 7368'			
205 Sx Cmt	Liner Hanger @ 7500'		<b>1 sx</b>	
<u>Production Casing</u>	3-1/2", 7.7#/ft set @ 7542'		<b>7490'</b>	
Hole Size/Depth	7-7/8" / 7554'			
TOC (from CBL) 7500'				
J Sand Perfs	7798' - 7834'			
30 Sx Cmt				
<u>Liner Casing</u>	2-3/8", 4.7#/ft set @ 7975'			
Hole Size/Depth	3" / 7975'			

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