

API:	05-123-22157	KB ELEVATION:	5054	QTR-QTR:	SENW
WELL NAME:	NAAB 22-3	GROUND LEVEL:	5040	SECTION:	3
COUNTY:	WELD	MD:	8377	TWNSHIP:	1N
LATITUDE:	40.08272	PBMD:	8362	RANGE:	68W
LONGITUDE:	-104.99111	CREATED BY:	D. HASZ		
		DATE:	5/22/2017		

Existing		DATUM: RKB KB=14'		Proposed	
Hole Size/Depth	12 1/4" - 880'		<b>Cmt to Surf</b>		
			<b>80'</b>		
<u>Surface Casing</u>				815'	TOC in S.C.
Casing Size/Depth: 8-5/8", 24#/ft @	865'				
Fox Hills Formation Marker	1076'		<b>200 sx 1.5 yld</b>		
				1180'	Shoot off casing
				1280'	BOC inside csg
			<b>3 bbls</b>		
				3870'	TOC inside csg
				4030'	Top Sq Perfs
			<b>4060'</b>		
			<b>150 sx 1.51 yld</b>		
				4430'	Bot Sq Perfs
Sussex	TOC (from CBL) 4510'				
Top	4547'				
Base	4761'				
Productive within 1 mile					
Shannon	5144'				
Productive within 1 mile					
				7045'	TOC inside csg
			<b>30 sx 1.53 yld</b>		
Niobrara Top	7445'				
			<b>7480'</b>		
Niobrara Perfs	7547' - 7654'				
Codell Perfs	7772' - 7790'				
			<b>2 sx</b>		
			<b>8130'</b>		
J Sand Perfs	8201' - 8224'				
<u>Production Casing/Hole</u>					
Casing Size/Depth	4-1/2", 11.6#/ft @	8375'			
Hole Size/Depth	7 7/8" (bit size) @	8377'			

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