

API:	05-123-21627	KB ELEVATION:	4978	QTR-QTR:	SWSW
WELL NAME:	MAYER 13-34	GROUND LEVEL:	4966	SECTION:	34
COUNTY:	WELD	MD:	7585	TOWNSHIP:	3N
LATITUDE:	40.1754783	PBMD:	7536	RANGE:	66W
LONGITUDE:	-104.771062	CREATED BY:	C. MARTIN		
		DATE:	8/6/2018		

Existing			DATUM: RKB KB=12'	Proposed	
Hole Size/Depth	12-1/4" - 805'		Cmt to Surf		
			80'		
<u>Surface Casing</u>				727'	TOC in S.C.
Casing Size/Depth: 8-5/8", 24#/ft @		777'			
Fox Hills Formation Marker	1219'		290 sx 1.55 yld		
				1320'	Shoot off casing
				1420'	BOC inside csg
Sussex			3 bbl	4040'	TOC inside csg
Top	4402'			4200'	Top Sq Perfs
Base	4645'		4230'		
NOT Productive within 1 mile			115 sx 1.79 yld	4605'	Bot Sq Perfs
Shannon	Absent				
NOT Productive within 1 mile					
TOC (from CBL)	6650'				
Niobrara Top	7152'		25 sx 1.53 yld	6680'	TOC inside csg
Niobrara Perfs	7148' - 7288'		7080'		
Codell Perfs	7418' - 7433'				
<u>Production Casing/Hole</u>					
Casing Size/Depth	4-1/2", 11.6#/ft @	7580'			
Hole Size/Depth	7-7/8" (bit size) @	7585'			

The diagram illustrates a wellbore profile from surface to depth. It shows two main sections: 'Existing' and 'Proposed'. The 'Existing' section includes a 12-1/4 inch hole size down to 805 feet, followed by 8-5/8 inch casing down to 777 feet. A Fox Hills Formation Marker is at 1219 feet. The 'Proposed' section starts with a 7-7/8 inch bit size at 7585 feet, transitioning to 4-1/2 inch casing down to 7580 feet. The diagram also shows various cement (CMT), sand plug (SP), and existing/new casing (CIGR/CIBP) segments. Key depths include 1320 feet (shoot off casing), 1420 feet (BOC inside casing), 4040 feet (TOC inside casing), 4200 feet (top square perfs), 4605 feet (bottom square perfs), 6650 feet (TOC from CBL), 6680 feet (TOC inside casing), and 7152 feet (Niobrara top). A legend on the right identifies the colors used for Existing Cement, New CICR, Existing CICR, New CIBP, Existing CIBP, New Cement, Sand Plug, and Existing Mud.