

Mud Rotary Drilling  
Andrew King - Manager/Driller

Bar Drilling, LLC  
Phone: (719) 210-8806

1317 105th Rd.  
Yates Center, KS 66783

Company/Operator Quest Development Co. P.O. Box 413 Iola, KS 66749		Well No. 19	Lease Name Mannschreck	Well Location 750'fnl, 170'fel	1/4 NE	1/4 SE	1/4 NE	Sec. 32	Twp. 22s	Rge. 17e	
Job/Project Name/No.		Well API # 15-031-23927	Type/Well Oil	County Coffee	State KS	Total Depth 1037'	Date Started 8/13/2014	Date Completed 8/14/2014			
Driller/Crew		Surface Record		Bit Record		Coring Record					
Andy King		Bit Size: 11 1/4	Type PDC	Size 11 1/4	From 0'	To 40'	Core #	Size	From	To	% Rec.
Charlie King		Casing Size: 7"		5 7/8"	40'	1037'					
Damian King		Casing Length: 40'									
		Cement Used: 8 sx									
		Cement Type: Portland									

		Formation Record				Formation Record			
From	To	Formation	From	To	Formation	From	To	Formation	To
0	29	overburden							
29	141	shale							
141	254	lime							
254	350	shale							
350	409	lime							
409	448	shale							
448	580	lime							
580	751	shale							
751	756	lime							
756	771	sandy shale							
771	779	lime							
779	848	sandy shale							
848	921	lime							
921	927	black shale							
927	932	5' lime							
932	965	shale							
965	966	1st cap							
966	972	shale							
972	975	oil sand (thin cap rock)							
975	977	oil sand							
977	979	broken oil sand							
979	1037	shale							
Well Notes:									