

Mud Rotary Drilling  
Andrew King - Manager/Driller

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

1317 105th Rd.  
Yates Center, KS 66783

Company/Operator C&S Oil 1607 Main St Neosho Falls, KS 66758		Well No. 17	Lease Name Diver	Well Location 2055fsl, 3015fel	1/4 SW	1/4 NE	1/4 NE	Sec. 33	Twp. 23	Rge, 17E	
Job/Project Name/No.		Well API # 15-207-29238	Type/Well Oil	County Woodson	State KS	Total Depth 1222	Date Started 7/2/2015	Date Completed 7/5/2015			
Driller/Crew Andy King Charlie King		Surface Record		Bit Record		Coring Record					
		Bit Size:	11 1/4	Type	PDC	Size	11 1/4	From	0'	To	20'
		Casing Size:	8 5/8"	Type	PDC	Size	6 3/4"	From	20'	To	1222
		Casing Length:	20'								
		Cement Used:	10sx								
		Cement Type:	Portland								

From	To	Formation	From	To	Formation	From	To	Formation
0	25	Overburden	1209	1211	soft lime			
25	55	lime	1211	1222	lime			
55	147	shale						
147	446	lime						
446	610	shale						
610	612	lime						
612	631	shale						
631	642	lime						
642	702	shale						
702	704	lime						
704	770	shale						
770	775	lime						
775	786	shale/coal						
786	789	lime						
789	1163	sand/shale						
1163	1172	Top Of Miss						
1172	1173	soft lime (Cir)						
1180	823	Chalky lime						
1180	1181	hard lime						
1181	1185	good oil						
1185	1191	hard lime						
1191	1194	Soft lime (no oil)						
1194	1204	Soft lime(no oil)						
1204	1209	lime						

ran 1215' +- of 4 1/2" casing.