

Mud Rotary Drilling  
Andrew King - Manager/Driller

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

1317 105th Rd.  
Yates Center, KS 66783

Company/Operator Colt Energy Inc. P.O. Box 388 Iola, KS 66749	Well No. CS-3	Lease Name Schafer	Well Location 2170 fnl, 452 fwl				1/4 NE	1/4 SW	1/4 SW	Sec. 23	Twp. 26s	Rge, 14e
	Well API # 15-207-29491		Type/Well Oil	County Woodson		State KS	Total Depth 1372		Date Started 10/27/2017	Date Completed 11/1/2017		
Job/Project Name/No.	Surface Record		Bit Record				Coring Record					
			Type	Size	From	To	Core #	Size	From	To	% Rec.	
Driller/Crew	Bit Size:	11 1/4	PDC	11 1/4	0'	40'	1	3"	1220	1249	70	
Andy King	Casing Size:	8 5/8	PDC	6 3/4	40'	1372						
Charles King	Casing Length:	40'										
	Cement Used:	14sx										
	Cement Type:	Portland										

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation
0	17	overburden						
17	192	shale						
192	457	lansing lime						
457	539	shale						
539	719	KC lime						
719	803	shale						
803	807	lime						
807	837	shale						
837	866	lime						
866	952	sandy shale						
952	972	lime						
972	993	shale						
993	1011	lime						
1011	1021	shale						
1021	1025	lime						
1025	1036	shale						
1036	1046	sq. sand						
1046	1220	sandy shale						
1220	1249	core						
1249	1297	shale						
1297	1330	dark sand						
1330	1370	shale						
1370	1372	Miss lime						
						<b>Well Notes:</b> ran 1359' 3" 4 1/2" casing		