

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. 4	Lease Name Lehmann A	Well Location 2000' fnl, 1560 sel		1/4 NE	1/4 SE	1/4 SW	Sec. 33	Twp. 22s	Rge, 17e
Job/Project Name/No.		Well API # 15-031-23931		Type/Well Oil		State KS	Total Depth 1040'		Date Started 8/1/2014	Date Completed 8/4/2014	
Driller/Crew Andy King Charlie King Damian King		Surface Record		Bit Record		Coring Record					
		Bit Size: 11 1/4	Type PDC	Size 11 1/4	From 0'	To 40'	Core #	Size	From	To	% Rec.
		Casing Size: 7"	PDC	5 7/8"	40'	1040'					
		Casing Length: 40'									
		Cement Used: 8 sx									
		Cement Type: Portland									

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	27	Overburden shale	977	979	oil sand			
27	133	lime	979	981	oil sand			
133	177	shale	981	983	oil sand			
177	201	lime	983	985	Broken sand			
201	247	shale	985	1018	shale			
247	354	lime	1018	1020	lime			
354	414	shale	1020	1040	shale			
414	430	lime						
430	433	red shale						
433	451	KC lime						
451	580	shale						
580	750	shale/lime						
750	770	lime						
770	783	shale						
783	848	lime						
848	873	shale						
873	880	lime						
880	884	shale						
884	894	lime						
894	899	shale						
899	967	lime						
967	968	cap rock						
968	976	shale						
976	977	lime						
Well Notes: ran 1033' 2 7/8" casing								