

Well Refined Drilling Company, Inc.

4230 Douglas Road - Thayer, KS 66776

Contractor License # 33072 - FEIN # 48-1248553

Office - 620-839-5581; Jeff Pocket - 620-432-6170; Fax - 620-839-5582



Rig #:	2	License # 9313
API #:	15-037-22169-0000	
Operator:	James D. Lorenz	
Address:	543A 22000 Road	
	Cherryvale, KS 67335 - 8515	

S18	T30S	R22E
Location:	NE,SE,NE,SW	
County	Crawford - KS	

				Gas Tests			
Well #:	5A	Lease Name:	Amershek	Depth	Oz.	Orifice	flow - MCF
Location:	1815	FSL		105		No Flow	
	2805	FEL		205	2	3/8"	5.05
Spud Date:		4/21/2011		230		Gas Check Same	
Date Completed:		4/22/2011	TD: 365	305		Gas Check Same	
Geologist:				330		Gas Check Same	
Driller:		Josiah Kephart		365		Gas Check Same	
Casing Record		Surface	Production				
Hole Size		12 1/4"	6 3/4"				
Casing Size		8 5/8"					
Weight							
Setting Depth		20' 3"					
Cement Type		Portland					
Sacks		4					
Feet of Casing							

11LD-042211-R2-024-Amershek | 5A-James D. Lorenz

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	overburden	222	283	shale	0		
2	7	clay	280		add water			
7	13	shale	283	289	sandy shale			
13	14	coal			odor			
14	57	shale	289	293	shale			
57	58	coal	293	299	sandy shale			
58	70	shale			bleeding			
70	90	lime			oil on pit			
90	92	shale	299	319	shale			
92	93	coal	319	320	coal			
93	94	shale	320	365	shale			
94	106	lime	365		Total Depth			
106	193	shale						
193	194	coal						
194	215	shale						
215	216	coal						
216	221	shale						
221	222	coal						