

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 #:	15-037-22164-0000		
Operator:	James D. Lorenz		
Address:	543A 22000 Road Cherryvale, KS 67335 - 8515		



S19	T30S	R22E
Location:		SW,SE,NE,NW
County		Crawford - KS

				Gas Tests			
Well #:	4B	Lease Name:	Amershek II	Depth	Oz.	Orifice	flow - MCF
Location:	4125	FSL		105		No Flow]	
	3135	FEL		130		No Flow]	
Spud Date:		3/24/2011		230		No Flow]	
Date Completed:		3/25/2011	TD: 370	280		No Flow]	
Geologist:				305		No Flow]	
Driller:		Josiah Kephart		330		No Flow]	
Casing Record		Surface	Production	370		No Flow]	
Hole Size		12 1/4"	6 3/4"				
Casing Size		8 5/8"					
Weight							
Setting Depth		20' 6"					
Cement Type		Portland					
Sacks		4					
Feet of Casing							
11LC-032511-R2-011-Amershek II 4B - James D. Lorenz							

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	1	overburden	221	222	coal			
1	3	lime	222	242	shale			
3	5	blk shale	242	243	coal			
5	18	shale	243	279	shale			
18	19	blk shale	279	286	sand			
		wet	286	294	shale			
19	59	shale	294	309	oil sand			
59	60	coal			oil odor			
60	77	shale	309	314	shale			
77	91	lime	314	315	coal			
91	96	shale	315	370	shale			
96	98	shale	370		Total Depth			
98	106	lime						
106	113	shale						
113	115	blk shale						
115	217	shale						
217	219	lime						
219	221	shale						