

# 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 #:	15-037-22151-0000		
Operator:	James D. Lorenz		
Address:	543A 22000 Road		
	Cherryvale, KS 67335 - 8515		

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

				Gas Tests			
Well #:	3A	Lease Name:	Amershek II	Depth	Oz.	Orifice	flow - MCF
Location:	4455	FSL		105		No Flow	
	2805	FEL		130		No Flow	
Spud Date:		3/21/2011		230		No Flow	
Date Completed:		3/22/2011	TD: 355	255		No Flow	
Geologist:				280		No Flow	
Driller:		Josiah Kephart		305		No Flow	
Casing Record		Surface	Production	330		No Flow	
Hole Size		12 1/4"	6 3/4"	355		No Flow	
Casing Size		8 5/8"					
Weight							
Setting Depth		20' 6"					
Cement Type		Portland					
Sacks		4					
Feet of Casing							

11LC-032211-R2-008-Amershek II 3A- James D. Lorenz

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	overburden	220	222	lime	301	307	sandy shale
2	4	clay	222	231	shale	307	314	laminated sand
4	9	lime	231	232	coal	314	316	shale
9	10	blk shale	232	243	shale	316	317	sandy shale
10	65	shale	243	244	lime	317	318	lime
65	66	coal	244	245	blk shale	318	321	blk shale
66	82	shale	245	247	coal	321	355	shale
82	97	lime	247	258	shale	355		Total Depth
97	102	shale	258	259	coal			
102	103	coal	259	265	shale			
103	104	shale	265	268	slime			
104	115	lime	268	283	shale			
115	116.5	shale	283	285	sandy shale			
116.5	117.5	coal	285	295	oil sand			
117.5	205	shale			odor			
205	207	shale	295	299	sandy shale			
207	208	coal	299	301	sand			
208	220	shale			bleeding - odor			