

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 #:	15-037-22167-0000	
Operator:	James D. Lorenz	
Address:	543A 22000 Road	
	Cherryvale, KS 67335 - 8515	

S19	T30	R22E
Location:		N2,N2,N2,NW
County		Crawford - KS

				Gas Tests			
Well #:	ws#1	Lease Name:	Amershek II	Depth	Oz.	Orifice	flow - MCF
Location:	5115	FSL		130		No Flow	
	3460	FEL		205		No Flow	
Spud Date:		3/11/2011		230		No Flow	
Date Completed:		3/15/2011	TD: 905	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"	380		No Flow	
Casing Size		8 5/8"		405		No Flow	
Weight				480		No Flow	
Setting Depth		20' 5"		505		No Flow	
Cement Type		Portland		530		No Flow	
Sacks		4		555		No Flow	
Feet of Casing				580		No Flow	
				630		No Flow	
				680		No Flow	
				730		No Flow	
				755	1	3/8"	3.56

11LC-031511-R2-004-Amershek II - WSW # 1 - James D. Lorenz

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	1	overburden	119	206	shale	270	303	shale
1	6	lime	206	207	lime	303	306	sand
6	7	blk shale	207	211	shale	306	317	shale
7	59	shale	211	212	coal	317	319	blk shale
59	61	sand	212	223	shale	319	320.5	coal
61	66	shale	223	224.5	lime	320.5	331	shale
66	67.5	coal	224.5	225	coal	331	358	lime
67.5	78	shale	225	227	blk shale	358	359	blk shale
78	95	lime	227	234	shale	359	360	coal
95	96.5	shale	234	235	coal	360	398	shale
96.5	97.5	blk shale	235	238	shale	398	399	coal
97.5	100	shale	238	245	blk shale	399	466	shale
100	101	coal	245	248	coal	466	470	sand
101	103.5	shale	248	267	shale	470	475	shale
103.5	115	lime	267	268	lime	475	476	coal
115	116	shale	268	268.5	blk shale	476	482	shale
116	118.5	blk shale	268.5	269	shale	482	483	coal
118.5	119	coal	269	270	lime	483	508	shale