

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 #:	15-037-22175	
Operator:	James D. Lorenz	
Address:	543A 22000 Road	
	Cherryvale, KS 67335 - 8515	
Well #:	INJ # 1	Lease Name: Buzard
Location:	1980 FSL	
	2630 FEL	
Spud Date:	4/29/2011	
Date Completed:	5/2/2011	TD: 364
Geologist:		
Driller:	Josiah Kephart	
Casing Record	Surface	Production
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		

S18	T30S	R22E
Location:	W2,W2, NW, SE	
County	Crawford - KS	

Gas Tests			
Depth	Oz.	Orifice	flow - MCF
105		No Flow	
130		No Flow	
205		Trace	
230	1	3/8"	3.56
255		Gas Check Same	
280		Gas Check Same	
305		Trace	
330		Trace	
364		Trace	

11LD-050211-R2-027-Buzard INJ # 1 - James D. Lorenz

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	overburden	199	215	shale	317	363	shale
2	6	lime	215	217	blk shale	363	364	coal
6	32	shale	217	218	coal	364		Total Depth
32	37	sand	218	238	shale			
37	61	shale	238	239	coal	364		shanked bit
61	62	coal	239	255	shale			
62	75	shale	255	256	coal			
75	93	lime	256	268	shale			
93	99	shale	268	271	sandy shale			
99	103	lime	271	275	shale			
103	108	sandy shale	275	288	sand			
108	110	shale			faint odor			
110	112	blk shale	288	299	oil sand			
112	113	coal			odor			
113	195	shale			bleeding			
195	196	blk shale	299	306	sandy shale			
196	198	shale	306	314	oil sand			
198	199	coal	314	317	sandy shale			