



Operator **LORENZ, JAMES D.** Well No. **5** Lease **MARK MYERS** Loc. **1/4** **1/4** **1/4** Sec. **28** Twp. **32** Rge. **18**

County **LABETTE** State **KS** Type/Well **938'** Depth **938'** Hours **8/2/12** Date Started **8/2/12** Date Completed **8/3/12**

Job No. **5** Casing Used **5** Bit Record **6 3/4"** Coring Record **8/2/12** To **8/3/12** % Rec. **18**

Driller	Rig No.	Hammer No.	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller					6 3/4"								
Driller													

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	6	OVERBURDEN	486	509	GAS TEST (LIGHT BLOW 1/4")			
6	80	SHALE	508	520	COAL			
80	84	LIME	509	520	SHALE			
84	90	SHALE	520	522	COAL			
90	115	SANDY SHALE/SHALE	522	530	SHALE			
115	117	LIME	530	532	LIME			
117	120	SANDY SHALE	532	536	COAL/BLACK SHALE			
120	142	LIMEY SHALE	536	647	SHALE			
142	147	BLACK SHALE	547	649	COAL			
147	179	LIME	649	650	SHALE			
179	184	SHALE	650	660	SAND			
184	196	LIME	660	680	SANDY SHALE			
196	205	SHALE	680	700	SHALE			
205	247	SANDY SHALE/SAND	700	735	SAND/SANDY SHALE			
247	249	LIME	735	745	SAND (OIL ODOR)			
249	265	SANDY SHALE	745	785	SHALE			
265	310	SHALE	785	789	SAND (LIGHT OIL ODOR)			
310	335	LIME (PAWNEE)	789	813	SHALE (SAND STREAKS)			
335	336	COAL	812		GAS TEST (3# 1/4")			
336	340	SHALE	813	830	SAND (OIL SHOW)			
340	341	COAL	830	883	SHALE			
341	405	SANDY SHALE/SHALE	883	910	SHALE/SAND			
405	436	LIME (OSWEGO)	910	926	MISSISSIPPI CHAT			
436	446	BLACK SHALE/COAL	926	938	LIME (MISSISSIPPI)			
446	469	LIME	938		GAS TEST (LIGHT BLOW)			
469	473	BLACK SHALE						
473	474	COAL						
474	478	LIME			T.D. 938'			
478	480	SHALE						
480	483	LIME						
483	508	SHALE						