

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

Date Started	2/23/2011
Date Completed	2/28/2011

Well No.	Operator	Lease	A.P.I.#	County	State
7E - 5	Layne Energy Operating	Lawrence	15-125-32003-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			5	31 S	14 E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy, Sean	Oil	8	42' 8 5/8	1262	6 3/4

Formation Record

0-20	DIRT	923-959	LIME		
20-26	CLAY	959-964	BLACK SHALE		
26-118	SHALE	964-1004	SHALE		
118-129	LIME	1004-1027	LIME		
129-171	SAND (DAMP)	1027-1035	BLACK SHALE		
171-199	LIME / LITE OIL ODOR	1035-1041	LIME		
199-271	SANDY SHALE	1041-1045	BLACK SHALE		
271-280	LIME	1045-1046	COAL		
280-384	SHALE	1046-1051	LIME		
384-416	SANDY SHALE	1051-1091	SHALE		
416-440	SAND	1091-1092	COAL		
440-465	SHALE	1092-1109	SHALE		
465-470	LIME	1109-1111	LIME		
470-479	SHALE	1111-1114	SHALE		
479-501	LIME	1114-1115	COAL		
501-511	LMY SHALE	1115-1127	SAND		
511-610	LIME	1127-1151	SANDY SHALE		
610-615	SANDY SHALE	1151-1153	COAL		
615-647	SAND	1153-1158	SHALE		
647-693	LIME	1158-1172	SANDY SHALE		
693-767	SHALE	1172-1175	SAND		
767-780	LIME	1175-1193	SANDY SHALE		
780-800	SHALE	1193-1204	SAND		
800-809	LIME	1204-1228	SHALE		
809-835	SAND	1228-1232	SAND		
835-866	SANDY SHALE	1232-1262	SANDY SHALE		
866-880	SAND	1262	TD		
880-920	SANDY SHALE				
920-922	LIME				
922-923	COAL				