

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Candy, KS 67333

Date Started	12/2/2010
Date Completed	12/3/2010

Well No.	Operator	Lease	A.P.I.#	County	State
16C-28	Layne Energy Operating	Hummer	15-205-27889-00-00	Wilson	Kansas

			Sec.	Twp.	Rge.
1/4	1/4	1/4	28	30	14E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy, Sean	Oil	8	40' 8 5/8	1237	6 3/4

Formation Record

0-8	DIRT	911-949	SHALE		
8-50	SHALE	949-972	LIME (OSWEGO)		
50-119	LIME	972-981	BLK SHALE (SUMMIT)		
119-208	SHALE	981-989	LIME		
208-344	LMY SHALE	989-994	BLK SHALE (EXCELLO)		
344-370	SAND	994-995	COAL		
370-400	SANDY SHALE	995-997	LIME		
411	WENT TO WATER	997-1000	SHALE		
400-460	SHALE	1000-1015	SAND		
460-476	LIME	1015-1039	SHALE		
476-483	SHALE	1039-1040	COAL		
483-574	LIME	1040-1057	SHALE		
574-580	SHALE	1057-1058	LIME		
580-596	SAND	1058-1060	SHALE		
596-615	LIME	1060-1061	COAL		
615-619	SHALE	1061-1067	SAND		
619-655	LIME	1067-1097	SANDY SHALE		
655-713	SHALE	1097-1098	COAL		
713-726	LMY SHALE	1098-1118	SHALE		
726-751	SANDY SHALE	1118-1142	SANDY SHALE		
751-766	LIME	1142-1159	SAND / ODOR		
766-780	SAND	1159-1167	SANDY SHALE		
780-786	SANDY SHALE	1167-1180	SHALE		
786-825	SHALE	1180-1186	SAND / LITE ODOR		
825-857	SAND	1186-1237	SANDY SHALE		
857-873	SHALE	1237	TD		
873-900	LIME				
900-903	BLACK SHALE				
903-906	LIME				
906-911	BLACK SHALE				