

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	3/7/2011
Date Completed	3/10/2011

Well No.	Operator	Lease	A.P.I #	County	State
6Q-35	Layne Energy Operating	Metzger	15-205-27921-00-00	Wilson	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			35	30	14

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	8	42.7' 8 5/8	1287	6 3/4

Formation Record

0-6	DIRT	912-917	LIME		
6-90	LIME	917-921	BLK SHALE (LEXINGTON)		
90-290	SHALE	921-965	SHALE		
290-295	LIME	965-987	LIME (OSWEGO)		
295-296	COAL	987-997	BLK SHALE (SUMMIT)		
296-300	SANDY SHALE	997-1010	LIME		
300-360	SAND	1010-1014	BLK SHALE (EXCELLO)		
360-430	SANDY SHALE	1012	GAS TEST-SLIGHT BLOW		
430-446	SHALE	1014-1015	COAL (MULKEY)		
446-500	LIME	1015-1017	LIME		
500-536	SHALE	1017-1058	SANDY SHALE		
536-560	LIME	1058-1059	COAL		
560-578	SAND	1059-1074	SHALE		
578-600	SANDY SHALE	1074-1076	LIME (V-LIME)		
600-616	LIME	1076-1079	SHALE		
616-629	SHALE	1079-1080	COAL (CROWBERG)		
629-658	LIME	1080-1122	SHALE		
658-713	SHALE	1122-1123	COAL		
713-730	LIME	1123-1160	SHALE		
730-751	SANDY SHALE	1160-1170	BROWN SAND/OIL ODOR		
751-759	LIME	1170-1179	BLACK SAND/OIL ODOR		
759-771	SHALE	1179-1184	GRAY SAND		
771-781	SAND	1184-1200	SHALE		
781-788	SANDY SHALE	1187	GAS TEST-SLIGHT BLOW		
788-821	SHALE	1200-1207	SANDY SHALE/LITE ODOR		
821-838	SAND	1207-1287	SHALE		
838-885	SHALE	1287	TD		
885-886	COAL (MULBERRY)				
886-908	LIME (PAWNEE)				
908-912	SHALE				