

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC

Office Phone: 620-879-2073

PO Box 449
Cameo, KS 67333

Date Started	12/8/2010
Date Completed	12/9/2010

Well No.	Operator	Lease	A.P.I.#	County	State
10J-28	Layne Energy Operating	Hummer	25-205-27892-00-00	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
Sean	Oil	8	44' 8 5/8	1262	6 3/4

Formation Record

0-2	DIRT	850-869	SANDY SHALE	1173-1179	SAND / ODOR
2-13	CLAY	869-871	LIME	1179-1200	SANDY SHALE
13-49	SHALE	871-872	COAL (MULBERRY)	1200-1262	SHALE
49-55	LIME	872-911	LIME (PAWNEE)	1262	TD
55-70	LMY SHALE	911-916	BLK SHALE (LEXINGTON)		
70-118	LIME	916-953	SHALE		
118-134	SHALE	953-975	LIME (OSWEGO)		
134-146	SAND	975-984	BLK SHALE (SUMMIT)		
146-340	SHALE	984-992	LIME		
340-420	SAND	992-995	BLACK SHALE		
420-448	SHALE	995-996	COAL		
448-558	LIME	996-999	LIME		
536	WENT TO WATER	999-1041	SHALE		
558-563	SHALE	1041-1042	COAL		
563-573	LIME	1042-1058	SHALE		
573-578	SAND	1058-1060	LIME		
578-579	COAL	1060-1061	SHALE		
579-596	SAND	1061-1062	COAL		
596-601	SANDY SHALE	1062-1080	SANDY SHALE		
601-655	LIME	1080-1099	SHALE		
655-685	SHALE	1099-1100	COAL		
685-689	LIME	1100-1106	SHALE		
689-694	SHALE	1106-1123	SANDY SHALE		
694-699	LIME	1123-1130	SAND / ODOR		
699-726	SHALE	1130-1133	SANDY SHALE		
726-735	LIME	1133-1140	SHALE		
735-751	SAND	1140-1153	SAND / ODOR		
751-771	LIME	1153-1156	SANDY SHALE		
771-810	SANDY SHALE	1156-1163	SAND		
810-850	SAND/SANDY SHALE	1163-1173	SANDY SHALE		