

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	9/9/2011
Date Completed	9/13/2011

Well No.	Operator	Lease	A.P.I #	County	State
10-36	Layne Energy Operating	Bell	15-125-32135-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			36	32 S	13 E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Sean	Gas	8	40' 8 5/8	1637	6 3/4

Formation Record

0-1	DIRT	940-943	SHALE	1400-1430	SANDY SHALE
1-35	SAND	943-953	LIME	1430-1432	COAL
35-70	SANDY SHALE	953-959	SHALE	1432-1573	SHALE
70-115	SAND	959-1023	SAND	1537	GAS TEST - SAME
115-150	SANDY SHALE	982-1002	CORE POINT	1573-1574	COAL
150-202	SHALE	1023-1042	SHALE	1574-1587	SHALE
202-208	LIME	1042-1050	SAND	1587-1591	SAND
208-223	SAND	1050-1074	SANDY SHALE	1591-1602	LMY SHALE
223-230	SANDY SHALE	1074-1097	LIME (PAWNEE)	1602-1620	CHAT (MISS.)
230-298	SHALE	1097-1102	BLK SHALE (LEXINGTON)	1620-1637	LIME
298-320	SAND	1102-1158	SHALE	1637	TD
310	WENT TO WATER	1158-1186	LIME (OSWEGO)		
320-355	SANDY SHALE	1186-1196	BLACK SHALE		
355-517	SHALE	1196-1217	LIME		
517-518	COAL	1211	G.T.- SLIGHT BLOW		
518-600	SAND	1217-1222	BLACK SHALE		
600-621	SANDY SHALE	1222-1223	COAL		
621-665	LIME	1223-1233	LIME		
665-694	SAND	1233-1241	SHALE		
694-695	COAL	1236	GAS TEST - SAME		
695-720	SAND	1241-1242	COAL		
720-749	SANDY SHALE	1242-1261	SHALE		
749-845	SHALE	1261	GAS TEST - SAME		
845-864	LIME	1261-1263	LIME		
864-870	SHALE	1263-1266	SHALE		
870-890	SAND	1266-1267	COAL		
890-918	SANDY SHALE	1267-1307	SANDY SHALE		
918-933	LIME	1307-1309	COAL		
933-935	BLACK SHALE	1309-1340	SANDY SHALE		
935-940	LMY SHALE	1340-1400	SHALE		