

Air Drilling Specialist  
Oil & Gas Wells

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

PO Box 449  
Caney, KS 67333

Date Started	<b>5/24/2012</b>
Date Completed	<b>5/30/2012</b>

Well No.	Operator	Lease	A.P.I #	County	State
<b>4-12</b>	<b>Post Rock Energy</b>	<b>EBY</b>	<b>15-205-28015-00-00</b>	<b>Wilson</b>	<b>Kansas</b>

1/4	1/4	1/4	Sec.	Twp.	Rge.
			<b>4</b>	<b>27</b>	<b>15</b>

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
<b>Brantley</b>	<b>Oil</b>	<b>4</b>	<b>21'8" 8 5/8</b>	<b>1420</b>	<b>7 7/8</b>

### Formation Record

0-5	DIRT	806-820	LIME	1145-1205	SANDY SHALE
5-15	SANDY SHALE	820-825	SHALE	1205-1222	SANDY SHALE / DECENT ODOR
15-168	SHALE	825-838	SAND	1222-1236	SAND / REAL GOOD ODOR
168-177	LIME	838-854	SANDY SHALE	1236-1256	SAND / DECENT ODOR
177-180	SHALE	854-855	COAL	1256-1293	SAND / LIGHT ODOR
180-214	LIME	855-902	SANDY SHALE	1293-1344	SHALE
214-284	SHALE	902-903	COAL	1306	GAS TEST - SAME
284-324	LIME	903-926	LIME	1344-1345	COAL
304	GAS TEST - NO GAS	926-928	BLACK SHALE	1345-1348	LIME
324-380	SHALE	928-947	LIME	1348-1352	SHALE
380-391	LIME	930	GAS TEST - NO GAS	1352-1371	LIME (MISS.)
391-393	SHALE	947-961	SHALE	1356	G.T.- 4",1/4"=3.37 MCF
393-409	LIME	955	GAS TEST - NO GAS	1371-1381	CHERTY LIME
409-421	HARD SAND	961-976	LIME (OSWEGO)	1381-1420	LIME
421-509	SANDY SHALE	976-985	BLK SHALE (SUMMIT)	1381	PICKED UP WATER
445	GETTING DAMP	980	GAS TEST - SLIGHT BLOW	1420	GAS TEST - SAME
480	WENT TO WATER	985-1005	LIME	1420	TD
509-587	LIME	1005	GAS TEST - SLIGHT BLOW		
587-594	BLK SHALE (STARK)	1005-1011	BLACK SHALE		
594-596	LIME	1011-1070	SANDY SHALE		
596-609	SANDY SHALE	1055	GAS TEST - SLIGHT BLOW		
604	GAS TEST - NO GAS	1070-1072	LIME		
609-624	LMY SHALE	1072-1081	SHALE		
624-627	BLACK SHALE	1081-1083	LIME (V-LIME)		
627-695	LIME	1083-1084	COAL (CROWBERG)		
695-773	SHALE	1084-1125	SANDY SHALE		
773-774	BLACK SHALE	1105	GAS TEST - SAME		
774-780	LIME	1125-1126	COAL (FLEMING)		
780-806	LMY SHALE	1126-1142	SANDY SHALE		
804	GAS TEST - NO GAS	1142-1145	SANDY SHALE		