

Air Drilling Specialist  
Oil & Gas Wells

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

PO Box 449  
Caney, KS 67333

Date Started	<b>6/21/2013</b>
Date Completed	<b>6/22/2013</b>

Operator	A.P.I.#	County	State
<b>Post Rock Energy</b>	<b>15-133-27678-00-00</b>	<b>Neosho</b>	<b>Kansas</b>

Well No.	Lease	Sec.	Twp.	Rge.
<b>13-3</b>	<b>George, Shyrel A</b>	<b>13</b>	<b>28</b>	<b>19</b>

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
<b>Oil</b>	<b>Brantley Thornton</b>	<b>4</b>	<b>21' 8 5/8</b>	<b>732</b>	<b>7 7/8</b>

**Formation Record**

0-6	DIRT	375-387	SHALE		
6-23	SHALE	387-406	LIME		
23-31	LIME	406-412	BLK SHALE (SUMMIT)		
31-44	SHALE	412-418	LIME		
44-60	LIME	418-424	BLK SHALE (MULKY)		
60-75	SANDY SHALE	424-425	LIME		
75-93	SHALE	425-440	SAND		
93-111	LIME	440-500	SANDY SHALE		
111-115	SHALE / DAMP	500-570	SHALE		
115-120	COAL / WET	570-571	COAL		
120-136	DARK SDY LIME	571-578	SAND		
131	WENT TO WATER	578-579	COAL		
136-145	SHALE	579-590	SAND		
145-150	LIME	590-600	SAND / LT ODOR & SHOW		
150-154	SAND	600-606	SAND / GOOD ODOR & SHOW		
154-178	SANDY SHALE	606-610	SANDY SHALE		
178-185	LIME	610-687	SHALE		
185-200	SDY LIME	687-688	COAL		
200-216	LIME	688-732	SHALE		
216-232	SANDY SHALE	732	TD		
232-238	LIME				
238-295	SANDY SHALE				
295-299	LIME				
299-310	SANDY SHALE				
310-325	LIME				
325-340	SANDY LIME				
340-346	BLK SHALE				
346-361	SANDY SHALE				
361-365	LIME				
365-375	LIME (PAWNEE)				