

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	4/11/2012
Date Completed	4/12/2012

Well No.	Operator	Lease	A.P.I #	County	State
14G-20	Layne Energy Operating	Oliver	15-125-32186-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			20	32	14

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Brantley		4	22' 7" 8 5/8	945	6 3/4

Formation Record

0-41	SHALE	837-862	SANDY SHALE / LIGHT ODOR		
41-51	LIME	862-900	SHALE		
51-105	SHALE	900-920	LIME		
105-126	LIME	920-925	SHALE		
126-212	SHALE	925-926	COAL		
212-250	SAND	926-945	SHALE		
250-330	SHALE	945	TD		
330-340	LIME				
340-360	SHALE				
360-365	SAND				
365-370	SHALE				
370-380	SAND				
380-420	SHALE				
420-441	LIME				
441-450	SHALE				
450-460	LIME				
460-500	SAND				
500-526	SHALE				
526-527	COAL				
527-697	SHALE				
697-712	LIME				
712-759	SANDY SHALE				
759-772	LIME				
772-779	SANDY SHALE				
779-783	LIME				
783-795	SANDY SHALE				
795-820	SAND / LIGHT ODOR				
	WENT TO WATER				
820-837	DARK SAND / GOOD ODOR				
827	OIL SHOW IN PIT				