

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	2/13/2013
Date Completed	2/18/2013

Operator	A.P.I #	County	State
Post Rock Energy	15-133-27627-00-00	Neosho	Kansas

Well No.	Lease	Sec.	Twp.	Rge.
14-5	Lightwine, Harold	14	28	18

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
Oil	Brantley Thornton	5	25' 8 5/8	956	7 7/8

Formation Record

0-8	MUD	691-719	SANDY SHALE		
8-28	SANDY SHALE	719-721	COAL		
28-110	LIME	721-765	SANDY SHALE		
110-120	SHALE	765-770	SAND		
120-160	SANDY SHALE / DAMP	770-776	SHALE		
160-175	LIME	776-777	COAL		
175-183	SHALE	777-783	SHALE		
183-200	SAND	783-784	LIME		
205	WENT TO WATER	784-805	SAND		
200-250	SANDY SHALE	785	CORE POINT		
250-295	LIME	805-815	SHALE / RED		
295-310	BLK SHALE / HARD	815-825	SHALE / GREEN		
310-330	SAND	825-956	SANDY SHALE		
330-350	SHALE	956	TD		
350-365	LIME				
365-380	SANDY SHALE				
380-395	LIME				
395-435	SHALE / GREEN				
435-465	SAND / HARD				
465-510	LIME (PAWNEE)				
510-554	SANDY SHALE				
554-574	LIME (OSWEGO)				
574-582	BLK SHALE (SUMMIT)				
582-586	LIME				
586-592	BLK SHALE (MULKY)				
592-594	LIME				
594-669	SHALE				
669-671	CCOAL				
671-690	SANDY SHALE				
690-691	COAL				