

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	2/26/2014
Date Completed	3/6/2014

Operator	A.P.I #	County	State
Colt Energy	1500130925-00-00	Allen	Kansas

Well No.	Lease	Sec.	Twp.	Rge.
27	Wolfe	24	25	19

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
Oil	Billy Thornton	4	21'8" 8 5/8	961	6 3/4

Formation Record

0-6	DIRT	549-550	COAL (MULBERRY)	846	SDY SHALE / CIRC.
6-10	CLAY	550-552	SHALE	850	SAND / CIRC.
10-46	LIME	552-573	LIME (PAWNEE)	848-855	SAND / GOOD ODOR
46-62	SHALE	573-576	SHALE	850-870	CORE POINT # 2
62-63	COAL	576-582	LIME	855-864	SANDY SHALE
63-69	SHALE	582-589	BLACK SHALE	864-867	SAND
69-76	LIME	589-590	COAL (LEXINGTON)	867-870	BROWN SAND
76-141	SHALE	590-607	SHALE	870-871	COAL
141-188	LIME / DAMP	607-617	SANDY SHALE	871-916	SHALE
188-200	SANDY SHALE	617-633	LIME (OSWEGO)	916-941	SANDY SHALE
200-205	BLACK SHALE	633-636	GRAY SHALE	941-958	SAND
205-225	LIME	636-644	BLK SHALE (SUMMIT)	958-961	SANDY SHALE
225-230	SAND	644-649	LIME	961	TD
230-242	LIME	649-654	BLK SHALE (EXCELLO)		
242-248	BLACK SHALE	654-655	COAL (MULKY)		
248-256	LIME	655-698	SANDY SHALE		
256-270	SNADY SHALE/DAMP	698-715	SAND		
270-348	SHALE	715-716	COAL		
348-390	SANDY SHALE	716-734	SHALE		
390-440	SHALE	734-736	LIME (VERDIGRIS)		
440-442	LIME	736-738	BLACK SHALE		
442-460	SHALE	738-768	SHALE		
460-475	LIME / WET	768-770	BLACK SHALE		
461	WENT TO WATER	770	SDY SHALE/ CIRC.		
475-491	SHALE	788	SDY SHALE / CIRC. / LT ODOR		
491-496	LIME	789-793	SAND / GOOD SHOW & ODOR		
496-530	SHALE	790-810	CORE POINT # 1		
530-546	SANDY SHALE	793-799	SANDY SHALE		
546-548	LIME	799-837	SHALE		
548-549	SHALE	837-848	SANDY SHALE/ LT ODOR		