

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	9/14/2012
Date Completed	9/17/2012



Operator	A.P.I #	County	State
Colt Energy	15-107-24634-00-00	Linn	Kansas

Well No.	Lease	Sec.	Twp.	Rge.
AA-3	Lanham	2	22	22

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
Oil	Brantley Thornton	4	21' 8 5/8	687	7 7/8

Formation Record

0-2	MUD	442-460	SHALE		
2-10	LIME	460-541	SANDY SHALE		
10-21	SANDY LIME	541-543	COAL / BLK SHALE		
21-37	LIME	543-570	SANDY SHALE		
37-45	SHALE	570-572	COAL		
45-62	LIME	572-600	SANDY SHALE		
62-65	SHALE	600-614	DARK SHALE		
65-80	LIME	614-616	COAL		
80-84	SHALE	616-644	SHALE		
84-90	LIME	644-650	SAND		
90-118	SANDY SHALE	650-652	COAL		
118-210	SAND	652-685	SANDY SHALE		
210-212	LIME	685-687	LMY SHALE		
212-274	SANDY SHALE	687	TD		
274-285	LIME				
285-311	LMY SHALE				
311-312	COAL				
312-330	LIME				
330-331	COAL				
331-350	LIME				
350-361	SHALE				
361-367	LIME				
367-400	SHALE				
400-405	LIME / SOFT				
405-408	LMY SHALE				
408-428	LMY SHALE				
428-430	COAL				
430-439	SANDY LIME				
439-441	BLACK SHALE				
441-442	SANDY SHALE /LIME				