



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

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**WELL LOG**

Kansas Resource Exploration & Development, LLC

Joeckel #KR-28

API # 15-121-30,068

April 7 - April 8, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
11	lime	21
107	shale	128
21	lime	149
18	shale	167
6	lime	173
32	shale	205
14	lime	219
13	shale	232
25	lime	257
8	shale	265
20	lime	285
3	shale	288
17	lime	305 base of the Kansas City
150	shale	455
3	lime/shale	458 no oil
1	broken sand	459 50% limey sand 50% shale good bleeding
4	limey sand	463 hard limey sand good bleeding
7	limey sand	470 soft limey sand, good bleeding
3	oil sand	473 dark brown sand good saturation & bleeding few thin streaks
2	lime	475 no oil
19	shale	494
6	lime	500
10	shale	510
2	lime	512
12	shale	524
1	coal	525
6	shale	531
6	lime	537
16	shale	553
3	lime	556
13	shale	569
5	lime	574
47	shale	621
2	coal	623
4	shale	627
3	silty shale	630
17	shale	647

23	broken sand	670	50% light brown sand & shale no show making water
12	sand	682	light brown no oil makes water
19	shale	701	
2	broken sand	703	50% brown sand 50% shale good bleeding
10.5	silty shale	713.5	
3	broken sand	716.5	40% brown sand 60% shale, good bleeding
20.5	oil sand	737	brown good bleeding good saturation
4.5	shale	741.5	
1.5	coal	743	
63	shale	806	TD

Drilled a 9 7/8" hole to 20.1'

Drilled a 5 5/8" hole to 806'

Set 20.1' of 7" surface casing cemented with 5 sacks of cement

Set 795.75' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 31.9' from bottom of tally.

## Core Times

	<u>Minutes</u>	<u>Seconds</u>		<u>Minutes</u>	<u>Seconds</u>
703	1	4	724		54
704		58	725		43
705	1	30	726		41
706		57	727	1	18
707		55	728		37
708		53	729		37
709		54	730		37
710		59	731		41
711		48	732		39
712		53	733		42
713		59	734		38
714	1	13	735		58
715	1	30	736		57
716	1	15	737	1	1
717		44	738		49
718		36	739		38
719		41	740		30
720		37	741		36
721		39	742		44
722		33			