



11 Lewis Drive

Paola, KS 66071

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

Phone: 913-557-9083

Fax: 913-557-9084

**WELL LOG**

Kansas Resource Exploration & Development, LLC

Joeckel #KRI-38

API # 15-121-30,337

May 12 - May 13, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
76	shale	92
23	lime	115 makes water
12	shale	127
5	lime	132
34	shale	166
13	lime	179
13	shale	192
27	lime	219
7	shale	226
19	lime	245
3	shale	248
4	lime	252
1	shale	253
13	lime	266 base of the Kansas City
142	shale	408
10	broken sand	418 light brown and shale ok bleeding
3	broken sand	421 hard limey sand & brown sand, light bleeding
6	limey sand	427 brown, good bleeding
6	oil sand	433 brown very good bleeding good saturation
3	lime	436
15	shale	451
6	lime	457 oil show, no porosity
1	shale	458
7	lime	465 some porosity, good bleeding
7	lime	472 no show
21	shale	493
7	lime	500
16	shale	516
2	lime	518
5	shale	523
1	coal	524
9	shale	533
3	lime	536
48	shale	584
2	coal	586
11	shale	597
15	silty shale	612
7	broken sand	619 light brown sand & shale, minimal bleeding
29	sand	648 no show, light brown
1	coal	649

15	shale	664
3	broken sand	667 15% sand 85% shale, light bleeding
12	silty shale	679
3	broken sand	682 30% sand 70% shale, ok bleeding
2	silty shale	684
12	oil sand	696 brown sand, good bleeding few very thin shale seams
3	lime/sand/shale	699 hard, ok oil show
3	shale	702
2	coal	704
56	shale	760 TD

Drilled a 9 7/8" hole to 20.1'

Drilled a 5 5/8" hole to 760'

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

Set 753.9' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 31.55' from bottom of tally.

## Core Times

	<u>Minutes</u>	<u>Seconds</u>
685	1	3
686		41
687		38
688		40
689		44
690		29
691		32
692		30
693		26
694		29
695		34
696		53
697		55
698		50
699		39
700		49
701		44
702		24
703		37
704		29