



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 #KRI-18

API # 15-121-30,403

May 28 - May 29, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
7	soil & clay	7
17	lime	24
110	shale	134
20	lime	154
20	shale	174
6	lime	180
33	shale	213
14	lime	227
13	shale	240
25	lime	265 oil show
7	shale	272
21	lime	293
3	shale	296
4	lime	300
1	shale	301
12	lime	313 base of the Kansas City
145	shale	458
7	limey sand	465 brown & white, ok bleeding
3	limey sand	468 brown limey sand few thin soft spots good bleeding
2	oil sand	470 brown good bleeding
10	limey sand	480 brown hard good bleeding
4	oil sand	484 soft brown sand very good bleeding
2	limey sand	486 hard white minimal show
1	oil sand	487 soft very good bleeding
3	lime	490
14	shale	504
7	lime	511
9	shale	520
6	lime	526
34	shale	560
2	lime	562
5	shale	567
13	lime	580
19	shale	599
3	lime	602
51	shale	653
30	broken sand	683 light brown & grey sand minimal show
6	sand	684 light brown no show
20	shale	709

1	coal	710
3	silty shale	713
5	broken sand	718 80% brown sand 20% shale ok bleeding
7	oil sand	725 brown sand good bleeding
0.5	grey sand	725.5 no bleeding
6.5	oil sand	732 brown sand very good bleeding
11	oil sand	743 dark brown & black sand very good bleeding
4	lime/sand/shale	747 ok bleeding
73	shale	820 TD

Drilled a 9 7/8" hole to 20.1'

Drilled a 5 5/8" hole to 820'

Set 20.1' of 7" surface casing threaded and coupled cemented with 6 sacks of cement

Set 811.4' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 31.65' from bottom of tally.

Core Times

	<u>Minutes</u>	<u>Seconds</u>
718		27
719		46
720		34
721		33
722		29
723		32
724		35
725		32
726		30
727		32
728		30
729		33
730		36
731		35
732		34
733		31
734		53
735		39
736		38
737		11