



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-25

API # 15-121-30,334

May 19 - May 20, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
7	shale	11
18	lime	29
107	shale	136
25	lime	161
12	shale	173
7	lime	180
32	shale	212
15	lime	227
12	shale	239
26	lime	265
8	shale	273
39	lime	312 base of the Kansas City
151	shale	463
3	oil sand	466 brown sand, good bleeding, few thin limey seams
1	limey sand	467 hard white & brown, good bleeding
1	oil sand	468 very soft brown sand, good bleeding
11	limey sand	479 hard good bleeding white & brown
1	limey sand	480 white & black, light bleeding
2	lime	482
21	shale	503 30% brown sand 70% shale minimal bleeding
6	lime	509
10	shale	519
3	lime	522
15	shale	537
4	lime	541
17	shale	558
3	lime	561
14	shale	575
3	lime	578
35	shale	613
1	lime	614
20	shale	634
5	broken sand	639 30% sand 70% shale, no oil
10	silty shale	649
11	broken sand	660 light brown sand & shale, no show, makes water
34	sand	694 light brown, makes water, light oil show
1	coal	695
15	shale	710
4	silty shale	714

1	broken sand	715	10% brown sand 90% shale, light bleeding
1	silty shale	716	
1	broken sand	717	70% brown sand 30% shale, ok bleeding
0.5	oil sand	717.5	brown, good bleeding
1.5	silty shale	719	
7	oil sand	726	brown sand, very good bleeding
1	shale	727	
10	oil sand	737	brown sand, very good bleeding
6	oil sand	743	dark brown & black sand, very good bleeding
1	broken sand	744	black sand & shale, good bleeding
2	oil sand	746	black sand, few thin limey streaks
3	shale	749	
1	coal	750	
50	shale	800	TD

Drilled a 9 7/8" hole to 20'

Drilled a 5 5/8" hole to 800'

Set 20' of 7" surface casing cemented with 5 sacks of cement

Set 793.3' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 33.1' from bottom of tally.

Core Times

	<u>Minutes</u>	<u>Seconds</u>
720		34
721		50
722		39
723		36
724		36
725		35
726		41
727		45
728		46
729		34
730		47
731		43
732		43
733		45
734		47
735		34
736		36
737		57
738		26
739		29