



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-14

API # 15-121-30,062

March 31 - April 1, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
1	soil & clay	1
9	broken lime	10
114	shale	124
21	lime	145
17	shale	162
6	lime	168
33	shale	201
14	lime	215
13	shale	228
12	lime	240
1	shale	241
12	lime	253
7	shale	260
22	lime	282
3	shale	285
16	lime	301 base of the Kansas City
33	shale	334
1	sand	335 hard green sand
116	shale	451
2	lime	453 ok bleeding
10	limey shale	463 good oil show (hard)
1	lime	464 no show
1	limey sand	465 good oil show
30	shale	495
6	lime	501
12	shale	513
4	lime	517
3	shale	520
1	coal	521
6	shale	527
7	lime	534
16	shale	550
2	lime	552
14	shale	566
3	lime	569
21	shale	590
4	lime	594
23	shale	617
1	coal	618

2	shale	620
4	silty shale	624
4	broken sand	628 20% brown & black sand 80% shale minimal bleeding
8	silty shale	636
3	broken sand	639 60% light brown sand 40% shale no oil
5	silty shale	644
14	broken sand	658 80% light brown sand 20% shale no oil
4	silty shale	662
24	sand	686 light brown sand makes water
1	coal	687
21	shale	708
6	silty shale	714
10	shale	724
1	coal	725
6	shale	731
1	coal	732
3	shale	735
5	silty shale	740
4	shale	744
1	coal	745
26	shale	771
1	coal	772
8	shale	780 TD

Drilled a 9 7/8" hole to 23.6'

Drilled a 5 5/8" hole to 780'

Set 23.6' of 7" surface casing cemented with 6 sacks of cement

This well was plugged from 790' to 520' then set 495.80' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe 1 clamp and 1 baffle.

Baffle set 31.8' from bottom of tally.