



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

Knabe M #KRI-1

API # 15-091-23,725

December 27 - December 28, 2011

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
9	soil & clay	9
26	lime	37
7	shale	44
9	lime	53
9	shale	62
1	lime	63
11	shale	74
1	lime	75
29	shale	104 90' making water
24	lime	128
1	shale	129
41	lime	170
38	shale	208
5	lime	213
1	shale	214
2	lime	216
21	shale	235
6	lime	241
3	shale	244
13	lime	257
51	shale	308
17	lime	325
8	shale	333
22	lime	355
4	shale	359
2	lime	361
10	shale	371
4	lime	375 base of the Kansas City
179	shale	554
4	lime	558
5	shale	563
5	lime	568
18	shale	586
3	lime	589
17	shale	606
2	lime	608
79	shale	687
2	lime	689
19	shale	708

2	broken sand	710 brown & grey sand, 90% oil sand, good bleeding
10	oil sand	720 brown sand, good bleeding
1	broken sand	721 brown & grey sand, good bleeding
5	sand	726 grey & black sand, no oil
7	silty shale	733
32	shale	765 TD

Drilled a 9 7/8" hole to 21.2'

Drilled a 5 5/8" hole to 765'

Set 21.2' of 7" surface casing cemented with 6 sacks of cement.

Set 755' of 2 7/8" threaded and coupled 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.