



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 A #KR-2

API # 15-091-23,734

December 30, 2011 - January 3, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
11	lime	15
6	shale	21
9	lime	30
7	shale	37
4	lime	41
4	shale	45
7	lime	52
12	shale	64
9	sandstone	73 making water
5	shale	78
25	lime	103
2	shale	105
40	lime	145
40	shale	185
8	lime	193
22	shale	215
6	lime	221
4	shale	225
8	lime	233
30	shale	263
2	lime	265
10	shale	275
8	lime	283
2	shale	285
16	lime	301
7	shale	308
23	lime	331
4	shale	335
6	lime	341
4	shale	345
6	lime	351
173	shale	524
7	lime	531
8	shale	539
12	lime	551
16	shale	567
3	lime	570
10	shale	580

9	lime	589
24	shale	613
8	lime	621
70	shale	691
1	oil sand	692 brown, ok bleeding
0.5	broken sand	692.5 brown & grey sand, lite bleeding
7.5	oil sand	700 brown, lite bleeding
2.5	broken sand	702.5 brown & grey sand a few bleeding seams, 405 oil sand
56.5	shale	759 TD

Drilled a 9 7/8" hole to 20.8'

Drilled a 5 5/8" hole to 759'

Set 20.8' of 7" surface casing cemented with 5 sacks of cement.

Set 748.7' of 2 7/8" threaded and coupled 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.