



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Kansas Resource Exploration & Development, LLC

Knabe M #KR-3

API # 15-091-23,715

December 21 - December 22, 2011

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
10	sandy shale	14
29	lime	43
8	shale	51
15	lime	66
34	shale	100
10	lime	110
4	shale	114
45	lime	159
38	shale	197
8	lime	205
20	shale	225
22	lime	247
29	shale	276
3	lime	279
8	shale	287
26	lime	313
6	shale	319
24	lime	343
4	shale	347
16	lime	363 base of the Kansas City
176	shale	539
3	lime	542
11	shale	553
6	lime	559
14	shale	573
6	lime	579
16	shale	595
9	lime	604
24	shale	628
2	lime	630
68	shale	698
3	broken sand	701 brown & grey sand, ok bleeding
8	oil sand	709 brown, good bleeding
8	sand	717 grey, no oil
48	shale	765 TD

Drilled a 9 7/8" hole to 21.7'
Drilled a 5 5/8" hole to 765'

Set 21.9' of 7" surface casing cemented with 6 sacks of cement.

Set 754.2' of 2 7/8" threaded and coupled 8 round upset tubing including 3 centralizers, 1 float shoe,
1 clamp.