



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

Guetterman #KRI-26

API # 15-091-23,975

December 3 - December 5, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
21	soil & clay	21
11	shale	32
3	lime	35
9	shale	44
15	lime	59
10	shale	69
9	lime	78
8	shale	86
17	lime	103
20	shale	123
23	lime	146
14	shale	160
39	lime	199
20	shale	219
9	lime	228
17	shale	245
10	lime	255
5	shale	260
20	lime	280
31	shale	311
7	lime	318
4	shale	322
17	lime	339 oil show
1	shale	340
7	lime	347
7	shale	354
11	lime	365
4	shale	369
5	lime	374
2	shale	376
6	lime	382 base of the Kansas City
172	shale	554
8	lime	562 oil show
1	shale	563
4	lime	567
6	shale	573
9	lime	582
12	shale	594
3	lime	597

6	shale	603
8	lime	611
24	shale	635 red
7	lime	642
70	shale	712
10	broken sand	722 brown & shale, light bleeding (gassy)
3	silty shale	725
18	shale	743
3	lime	746
22	shale	768
1	coal	769
39	shale	808
1	coal	809
24	shale	833
3	oil sand	836 brown, good bleeding
2	broken sand	838 80% brown sand, 20% grey shale, light bleeding
2.5	broken sand	840.5 30% brown sand, 70% silty shale, light bleeding
4.5	shale	845
3	silty shale	848
4	shale	852
1	coal	853
29	shale	882 TD

Drilled a 9 7/8" hole to 22.3'

Drilled a 5 5/8" hole to 882'

Set 22.3' of 7" surface casing cemented with 6 sacks of cement

Set 872' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.