



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-17

API # 15-091-23,963

January 18 - January 22, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
18	soil & clay	18
2	shale	20
23	lime	43
9	shale	52
8	lime	60
9	shale	69
17	lime	86
19	shale	105
18	lime	123
9	shale	132
48	lime	180 making water
22	shale	202
9	lime	211
19	shale	230
4	lime	234
10	shale	244
12	lime	256
6	shale	262
1	lime	263
17	shale	280
2	lime	282
10	shale	292
8	lime	300
6	shale	306
13	lime	319 oil show
7	shale	326
22	lime	348
4	shale	352
4	lime	356
6	shale	362
4	lime	366 base of the Kansas City
27	shale	393
6	sand	399 green & gray, light gas odor
138	shale	537
6	lime	543
2	shale	545
1	lime	546
4	shale	550
1	coal	551

4	shale	555
5	lime	560
17	shale	577
3	lime	580
11	shale	591
3	lime	594
22	shale	616 red
7	lime	623
3	shale	626
1	lime	627
65	shale	692
7	broken sand	699 brown & grey, ok bleeding
5	oil sand	704 brown, ok bleeding
18	shale	722
1	coal	723
93	shale	816
1	broken sand	817 brown sand & lime, ok bleeding
2	oil sand	819 brown, good bleeding
2	broken sand	821 brown & shale, ok bleeding
40	shale	861 TD

Drilled a 9 7/8" hole to 22'

Drilled a 5 5/8" hole to 861'

Set 22' of 7" surface casing cemented with 6 sacks of cement

Set 851' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.