



11 Lewis Drive

Paola, KS 66071

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

Phone: 913-557-9083
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WELL LOG

Kansas Resource Exploration & Development, LLC

Guetterman #KRI-6

API # 15-091-23,953

January 31 - February 5, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
3	soil & clay	3
13	sandstone	16
33	shale	49
6	lime	55
4	shale	59
2	lime	61
7	shale	68
15	lime	83
8	shale	91
9	lime	100
8	shale	108
18	lime	126
19	shale	145
17	lime	162
7	shale	169
50	lime	219
25	shale	244
9	lime	253
17	shale	270
8	lime	278
7	shale	285
10	lime	295
5	shale	300
3	lime	303
20	shale	323
2	lime	325
9	shale	334
22	lime	356
9	shale	365
21	lime	386
4	shale	390
4	lime	394
2	shale	396
8	lime	404 base of the Kansas City
174	shale	578
6	lime	584
6	shale	590
1	coal	591

6	shale	597
5	lime	602
2	shale	604
1	lime	605
15	shale	620
3	lime	623
3	shale	626
1	coal	627
9	shale	638
2	lime	640
23	shale	663
1	lime	664
4	shale	668
3	lime	671
69	shale	740
6	broken sand	746 brown & grey sand, fair bleeding (gassy)
2	oil sand	748 brown, ok bleeding (gassy)
18	shale	766
1	coal	767
30	shale	797
1	coal	798
64	shale	862
4.5	silty shale	866.5 white & limey
1.5	broken sand	868 brown sand with few thin lime seams good bleeding
1.5	oil sand	869.5 brown, good bleeding
2.5	broken sand	872 brown & grey, good bleeding
45	shale	917 TD

Drilled a 9 7/8" hole to 21'

Drilled a 5 5/8" hole to 917'

Set 21' of 7" surface casing cemented with 6 sacks of cement

Set 902' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.