



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

Petroleum Technologies, Inc.

Knabe C #4i

API #15-091-24,422

July 25 - July 26, 2016

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
5	soil & clay	5
15	sandstone	20
53	shale	73
22	lime	95
9	shale	104
9	lime	113
7	shale	120
20	lime	140
24	shale	164
27	lime	191
14	shale	205
8	lime	213
17	shale	230
22	lime	252
15	shale	267
8	lime	275
21	shale	296
7	lime	303
55	shale	358
26	lime	384
8	shale	392
22	lime	414
3	shale	417
16	lime	433 base of the Kansas City
26	shale	459
7	sand	466
132	shale	598
9	lime	607
10	shale	617
4	lime	621
16	shale	637
3	broken sand	640
35	shale	675
6	lime	681
64	shale	745
3	lime	748
39	shale	787
2	lime	789
89	shale	878

5	limey sand	883
9	oil sand	892
6	limey sand	898
58	shale	956 TD

Drilled a 9 7/8" hole to 22.7'

Drilled a 5 5/8" hole to 956'

Set 22.7' of 7" casing cemented with 6 sacks cement.

Set 932' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 baffel at 922'.