



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 #1A

API #15-091-24,421

June 22 - June 23, 2016

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
28	sandstone	38
40	shale	78
22	lime	100
8	shale	108
8	lime	116
12	shale	128
25	lime	153
15	shale	168
25	lime	193
14	shale	207
7	lime	214
18	shale	232
26	lime	258
15	shale	273
5	lime	278
4	shale	282
35	lime	317
42	shale	359
30	lime	389
6	shale	395
23	lime	418
3	shale	421
14	lime	435
29	shale	464
7	sand	471
137	shale	608
5	lime	613
3	shale	616
4	lime	620
3	shale	623
3	lime	626
7	shale	633
7	broken sand	640
8	shale	648
4	lime	652
55	shale	707
4	lime	711
8	silty shale	719

base of the Kansas City

79	shale	798
5	lime	803
8	shale	811
5	sand	816
7	shale	823
1	coal	824
6	shale	830
5	sand	835
52	shale	887
11.5	limey sand	898.5
3.5	oil sand	902
1.5	broken sand	903.5
1.5	oil sand	905
68	shale	973 TD

Drilled a 9 7/8" hole to 22.5'

Drilled a 5 5/8" hole to 973'

Set 22.5' of 7" casing cemented with 6 sacks cement.

Set 953.5' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 baffel.