



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

Tailwater, Inc.

South Kempnich #34-TL

API #15-003-26,397

September 30 - October 1, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
14	soil & clay	14
5	clay & gravel	19
50	shale	69
28	lime	97
67	shale	164
11	lime	175
8	shale	183
33	lime	216
7	shale	223
25	lime	248
2	shale	250
20	lime	270 base of the Kansas City
179	shale	449
2	lime	451
5	shale	456
9	lime	465 oil show
8	shale	473
8	oil sand	481 green light bleeding
5	shale	486
1	coal	487
3	shale	490
21	oil sand	511 green, good bleeding
4	shale	515
2	coal	517
6	shale	523
6	lime	529
4	shale	533
2	lime	535
10	shale	545
3	lime	548
19	shale	567
13	lime	580
17	shale	597
3	lime	600
23	shale	623
1	limy sand	624 green & white, no oil
6	broken sand	630 brown & green good bleeding
33	shale	663
1	lime & shells	664

5	oil sand	669 brown, good bleeding
3	broken sand	672 brown & grey good bleeding
35	shale	707
6	broken sand	713 brown & grey ok bleeding
3	shale	716
3	broken sand	719 brown & grey light bleeding
2	shale	721
1	broken sand	722
3	gas sand	725 light brown, no oil
4	broken sand	729 brown & grey no oil
2	broken sand	731 brown & grey good bleeding
4	oil sand	735 brown good bleeding
8	broken sand	743 brown & grey good bleeding
8	shale	751
1	broken sand	752 brown & grey good bleeding
6	oil sand	758 brown good bleeding
2	shale	760
7	broken sand	767 brown & grey good bleeding
13	silty shale	780
4	oil sand	784 grey good bleeding
1	shale	785
4	oil sand	789 grey good bleeding
5	shale	794
10	oil sand	804 grey good bleeding
3	shale	807
6	sand	813 white, no oil
45	shale	858 TD

Drilled a 9 7/8" hole to 22.4'

Drilled a 5 5/8" hole to 858'

Set 22.4' of 7" surface casing with 5 sacks of cement.

Set 848' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.