



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**

Tailwater, Inc.

South Kempnich #35-TL

API #15-003-26,398

October 1 - October 6, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
15	soil & clay	15
4	clay & gravel	19
65	shale	84
30	lime	114
17	shale	131
5	lime	136
8	shale	144
26	lime	170
5	shale	175
38	lime	213
12	shale	225
20	lime	245
1	shale	246
22	lime	268 base of the Kansas City
178	shale	446
4	lime	450
1	shale	451
13	lime	464
6	shale	470
13	oil sand	483 green, good bleeding
8	shale	491
21	oil sand	512 green, good bleeding
12	shale	524
4	lime	528
5	shale	533
4	lime	537
6	shale	543
3	lime	546
1	coal	547
17	shale	564
23	lime	587
36	shale	623
4	oil sand	627 brown & green, good bleeding
33	shale	660
1	lime & shells	661
5	oil sand	666 brown, good bleeding
3	broken sand	669 brown & grey, good bleeding
32	shale	701
4	broken sand	705 brown & green light bleeding

19	shale	724
3	broken sand	727 brown & grey light bleeding
1	shale	728
2	broken sand	730 brown & grey ok bleeding
6	shale	736
7	oil sand	743 brown good bleeding
1	shale	744
6	oil sand	750 brown good bleeding
3	shale	753
1	broken sand	754 brown & grey good bleeding
7	oil sand	761 brown good bleeding
6	shale	767
2	broken sand	769 brown good bleeding
2	oil sand	771 brown, good bleeding
2	shale	773
11	oil sand	784 brown good bleeding
26	shale	810
9	sand	819 white, no oil
45	shale	864 TD

Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 864'

Set 22.6' of 7" surface casing with 5 sacks of cement.

Set 854.1' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.