



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.

Wittman #11-T

API#15-003-25,332

July 16 - July 17, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
12	soil & clay	12
99	shale	111
31	lime	142
73	shale	215
12	lime	227
6	shale	233
34	lime	267
8	shale	275
21	lime	296
4	shale	300
16	lime	316 base of the Kansas City
173	shale	489
3	lime	492
5	shale	497
7	lime	504 oil show
15	shale	519
11	oil sand	530 green, ok bleeding
4	shale	534
1	coal	535
9	silty shale	544
4	oil sand	548 green, ok bleeding
1	coal	549
4	shale	553
6	lime	559
18	shale	577
3	lime	580
20	shale	600
6	lime	606
84	shale	690
1	lime & shells	691
3	oil sand	694 brown, good bleeding
1	broken sand	695 brown & grey sand, good bleeding
2	oil sand	697 brown, good bleeding
1	sand	698 black, no oil show
28	silty shale	726
34	broken sand	760 brown & grey sand, no oil show
		760 TD

Drilled a 9 7/8" hole to 21.5'

Drilled a 5 5/8" hole to 760'

Set 21.5' of 7" surface casing cemented with 6 sacks of cement.

Set 750.5' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.