



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 #12-T

API#15-003-25,333

July 17 - July 18, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
18	soil & clay	18
97	shale	115
33	lime	148
20	shale	168
24	lime	192
22	shale	214
10	lime	224
6	shale	230
2	lime	232
6	shale	238
56	lime	294
23	shale	317
2	coal	319
3	lime	322 base of the Kansas City
158	shale	480
15	lime	495
17	lime	512 oil show
2	shale	514
11	broken sand	525 brown, bleeding
4	shale	529
1	coal	530
29	shale	559
6	lime	565
13	shale	578
1	lime	579
20	shale	599
7	lime	606
14	shale	620
12	lime	632 black
2	coal	634
10	shale	644
3	lime	647
15	shale	662
7	sand	669 no oil
22	shale	691
8	oil sand	699 good bleeding & odor
3	broken sand	702
4	sandy shale	706
5	lime	711

5	sandy shale	716
19	shale	735
28	broken sand	763 no show, no odor
		763 TD

Drilled a 9 7/8" hole to 22'
Drilled a 5 5/8" hole to 763'

Set 22' of 7" surface casing cemented with 6 sacks of cement.

Set 753' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.