



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 #13-T

API#15-003-25,334

July 18 - July 19, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
133	shale	137
34	lime	171
73	shale	244
11	lime	255
4	shale	259
36	lime	295
6	shale	301
24	lime	325
4	shale	329
15	lime	344 base of the Kansas City
169	shale	513
3	lime	516
6	shale	522
9	lime	531 oil show
15	shale	546
5	oil sand	551 green, good bleeding
1	coal	552
11	shale	563
15	oil sand	578 green, good bleeding
1	coal	579
26	shale	605
8	lime	613
16	shale	629
19	lime	648
25	shale	673
6	lime	679
42	shale	721
1	lime & shells	722
3	oil sand	725 brown, good bleeding
5	broken sand	730 brown & grey sand, good bleeding, gassy
20	shale	750
40	broken sand	790 brown & grey sand, no oil show
		790 TD

Drilled a 9 7/8" hole to 22'

Drilled a 5 5/8" hole 790'

Set 21.2' of 7" surface casing cemented wth 6 sacks of cement.

Set 780.5' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.