



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.

Wittman #2-IW

API #15-003-25,339 (16)

September 27-September 28, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
11	soil & clay	11
92	shale	103
29	lime	132
18	shale	150
6	lime	156
46	shale	202
10	lime	212
5	shale	217
35	lime	252
5	shale	257
24	lime	281
3	shale	284
18	lime	302 base of the Kansas City
170	shale	472
3	lime	475
7	shale	482
8	lime	490 oil show
12	shale	502
10	oil sand	512 green, good bleeding
1	coal	513
16	shale	529
6	oil sand	535 green, good bleeding
1	coal	536
6	shale	542
8	lime	550
14	shale	564
6	lime	570
17	shale	587
4	lime	591
24	shale	615
4	lime	619
59	shale	678
1	lime & shells	679
4	oil sand	683 brown, good bleeding
5	broken sand	688 brown & grey, ok bleeding
5	shale	693

4	sand	697 black, no oil show
26	shale	723
41	broken sand	764 brown & grey, no oil show
		764 TD

Drilled a 9 7/8" hole to 21.1'

Drilled a 5 5/8" hole to 764'

Set 21.1' of 7" surface casing cemented with 6 sacks of cement.

Set 753.5' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.