



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.

South Kempnich #1-IWM

API #15-003-26,410

January 26 - January 27, 2015

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
14	soil & clay	14
5	clay & gravel	19
88	shale	107
29	lime	136
70	shale	206
10	lime	216
7	shale	223
34	lime	257
6	shale	263
22	lime	285
3	shale	288
22	lime	310 base of the Kansas City
175	shale	485
4	lime	489
4	shale	493
6	lime	499 oil show
10	shale	509
5	oil sand	514 green light oil show
10	silty shale	524
1	coal	525
3	shale	528
17	oil sand	545 green good bleeding
2	shale	547
2	coal	549
5	shale	554
4	lime	558
18	shale	576
4	lime	580
21	shale	601
6	lime	607
50	shale	657
2	limey sand	659
6	broken sand	665 brown & green ok bleeding
1	limey sand	666 brown & white light oil show
3	broken sand	669 brown & green light oil show
29	shale	698
1	lime & shells	699

5	oil sand	704 brown, good bleeding
3	broken sand	707 brown & grey, ok bleeding
4	silty shale	711
60	shale	771 TD

Drilled a 9 7/8" hole to 23.2'

Drilled a 5 5/8" hole to 771'

Set 23.2' of 7" surface casing with 5 sacks of cement.

Set 761.5' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.