



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 # 7-IWU

API #15-003-26,378

October 28 - October 29, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
13	soil & clay	13
3	clay & gravel	16
52	shale	68
27	lime	95
16	shale	111
5	lime	116
49	shale	165
10	lime	175
5	shale	180
36	lime	216
5	shale	221 oil show
25	lime	246
3	shale	249
23	lime	272 base of the Kansas City
177	shale	449
4	lime	453
4	shale	457
8	lime	465 oil show
12	shale	477
3	oil sand	480 green light oil show
6	shale	486
1	coal	487
2	shale	489
21	oil sand	510 green, good bleeding
4	shale	514
2	coal	516
3	shale	519
7	lime	526
6	shale	532
2	lime	534
8	shale	542
4	lime	546
24	shale	570
4	lime	574
22	shale	596
4	lime	600
21	shale	621

1	limey sand	622 green, no oil
6	broken sand	628 brown & grey, good bleeding
3	broken sand	631 brown & grey light bleeding
1	broken sand	632 black & green good bleeding
23	shale	655 TD

Drilled a 9 7/8" hole to 22.5'

Drilled a 5 5/8" hole to 655'

Set 22.5' of 7" surface casing with 5 sacks of cement.

Set 650' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.