



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.

North Kempnich # 8 IWU

API #15-003-26,232

September 11 - September 12, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
4	clay & gravel	14
99	shale	113
22	lime	135
18	shale	153
54	lime	207
10	shale	217
40	lime	257
1	shale	258
26	lime	284
5	shale	289
18	lime	307 base of the Kansas City
158	shale	465
24	lime	489
4	shale	493
7	lime	500 oil show
11	shale	511
6	oil sand	517 green light bleeding
6	shale	523
1	coal	524
1	shale	525
16	oil sand	541 green, ok bleeding
6	shale	547
2	coal	549
10	shale	559
4	lime	563
12	shale	575
3	lime	578
20	shale	598
8	lime	606
21	shale	627
4	lime	631
22	shale	653
1	limey sand	654
5	broken sand	659 green & white, no oil
23	shale	682 TD

Drilled a 9 7/8" hole to 22.4'

Drilled a 5 5/8" hole to 682'

Set 22.4' of 7" surface casing with 5 sacks of cement.

Set 677' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.