



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 #27-IWU

API #15-003-26,253

August 27 - August 28, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
4	clay & gravel	8
83	shale	91
27	lime	118
50	shale	168
10	lime	178
6	shale	184
34	lime	218
7	shale	225
22	lime	247
3	shale	250
25	lime	275 base of the Kansas City
30	shale	305
17	sand	322 grey no oil
126	shale	448
5	lime	453
4	shale	457
8	lime	465
10	shale	475
10	oil sand	485 green light bleeding
4	shale	489
1	coal	490
1	shale	491
4	broken sand	495 green & brown good bleeding
14	oil sand	509
4	shale	513
1	coal	514
6	shale	520
5	lime	525
19	shale	544
3	lime	547
49	shale	596
4	lime	600
23	shale	623
1	limey sand	624 green no oil
1	broken sand	625 brown & green good bleeding
1	oil sand	626 brown good bleeding
4	broken sand	630 brown & grey ok bleeding
21	shale	651 TD

Drilled a 9 7/8" hole to 21.6'

Drilled a 5 5/8" hole to 651'

Set 21.6' of 7" surface casing threaded and coupled cemented with 5 sacks of cement.

Set 645.85' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.