



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 # 10 IWU

API #15-003-26,234

September 15 - September 16, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
11	soil & clay	11
4	clay & gravel	15
86	shale	101
25	lime	126
2	shale	128
5	lime	133
62	shale	195
12	lime	207
5	shale	212
35	lime	247
5	shale	252
20	lime	272
3	shale	275
12	lime	287
3	shale	290
1	lime	291 base of the Kansas City
184	shale	475
17	lime	492 oil show
18	shale	510
1	coal	511
2	shale	513
1	coal	514
1	shale	515
16	oil sand	531 green good bleeding
6	shale	537
2	coal	539
5	shale	544
7	lime	551
1	shale	552
12	lime	564
25	shale	589
6	lime	595
49	shale	644
1	sand	645 green no oil
5	broken sand	650 brown & green good bleeding
24	shale	674 TD

Drilled a 9 7/8" hole to 21.6'

Drilled a 5 5/8" hole to 674'

Set 21.6' of 7" surface casing with 5 sacks of cement.

Set 669' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.