



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 #18-IWU

API #15-003-26,242

August 19 - August 20, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
4	clay & gravel	10
94	shale	104 oil show
27	lime	131
67	shale	198
11	lime	209
6	shale	215
34	lime	249
6	shale	255
21	lime	276
3	shale	279
21	lime	300 base of the Kansas City
33	shale	333
12	sand	345 grey no oil
133	shale	478
3	lime	481
7	shale	488
8	lime	496
11	shale	507
5	oil sand	512 green light bleeding
6	shale	518
1	coal	519
1	shale	520
18	oil sand	538 green good bleeding
6	shale	544
1	coal	545
7	shale	552
4	lime	556
16	shale	572
3	lime	575
26	shale	601
4	lime	605
44	shale	649
2	limy sand	651
5	broken sand	656 brown & green good bleeding
2	broken sand	658 brown & green light bleeding
1	broken sand	659 brown & green no bleeding
21	shale	680 TD

Drilled a 9 7/8" hole to 21.6'

Drilled a 5 5/8" hole to 680'

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

Set 675' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.