



**EVANS**  
**ENERGY**  
**DEVELOPMENT**  
**INC.**

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 #24-IWU

API #15-003-26,250

August 20 - August 21, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
4	clay & gravel	14
93	shale	107
26	lime	133
70	shale	203
10	lime	213
6	shale	219
34	lime	253
7	shale	260
23	lime	283
3	shale	286
21	lime	307 base of the Kansas City
33	shale	340
13	sand	353 grey no oil
127	shale	480
2	lime	482
2	shale	484
3	lime	487
8	shale	495
8	lime	503 oil show
9	shale	512
7	oil sand	519 green light bleeding
7	shale	526
1	coal	527
1	shale	528
17	oil sand	545 green good bleeding
5	shale	550
1	coal	551
4	shale	555
4	lime	559
17	shale	576
4	lime	580
20	shale	600
8	lime	608
47	shale	655
2	broken sand	657 brown & green good bleeding
2	oil sand	659 brown good bleeding
1	broken sand	660 brown & green, good bleeding
35	shale	695

1	lime & shells	696
4	oil sand	700 brown good bleeding
5	broken sand	705 brown & grey good bleeding
28	shale	733
2	sand	735 white, no oil
55	shale	790 with white sandy seams
2	broken sand	792 brown & grey oil odor
3	shale	795
4	broken sand	799 brown & grey oil odor
2	shale	801
2	sand	803 black no oil
12	silty shale	815
5	sand	820 grey no oil
55	sand	875 white no oil
25	shale	900 TD

Drilled a 9 7/8" hole to 21'

Drilled a 5 5/8" hole to 900'

Set 21' of 7" surface casing threaded and coupled cemented with 5 sacks of cement.

Set 850' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.