



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

**WELL LOG**

Tailwater, Inc.

South Kempnich # 3-IWU

API #15-003-26,367

October 22 - October 23, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
3	soil & clay	3
4	clay & gravel	7
93	shale	100
27	lime	127
69	shale	196
11	lime	207
4	shale	211
36	lime	247
6	shale	253
22	lime	275
10	shale	285
17	lime	302
3	shale	305
2	lime	307
178	shale	485
8	lime	493
11	shale	504
5	oil sand	509 green, light bleeding
7	shale	516
1	coal	517
1	shale	518
17	oil sand	535 green, good bleeding
5	shale	540
2	coal	542
3	shale	545
6	lime	551
8	shale	559
2	lime	561
8	shale	569
3	lime	572
19	shale	591
7	lime	598
3	shale	601
5	lime	606
43	shale	649
2	limey sand	651 green, no oil
5	broken sand	656 brown & green, good bleeding
23	shale	679 TD

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Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 679'

Set 22.6' of 7" surface casing with 5 sacks of cement.

Set 674' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.

