



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.

South Kempnich # 6-IWU

API #15-003-26,377

October 27 - October 28, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
4	clay & gravel	10
66	shale	76
28	lime	104
9	shale	113
14	lime	127
47	shale	174
12	lime	186
2	shale	188
20	lime	208
17	shale	225
8	lime	233
22	shale	255
10	lime	265
4	shale	269
6	lime	275
9	shale	284 base of the Kansas City
183	lime	467 oil show
8	shale	475
8	oil sand	483 green light bleeding
8	shale	491
1	coal	492
29	oil sand	521 green, good bleeding
1	shale	522
2	coal	524
5	shale	529
4	lime	533
19	shale	552
3	lime	555
25	shale	580
7	lime	587
13	shale	600
5	lime	605
26	shale	631
1	limy sand	632 green & white, no oil
5	broken sand	637 brown & green 90% bleeding
1	shale	638

3
21

broken sand
shale

641 brown & green, a few thin bleeding seams
662 TD

Drilled a 9 7/8" hole to 22.4'

Drilled a 5 5/8" hole to 662'

Set 22.4' of 7" surface casing with 5 sacks of cement.

Set 657.2' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.

	Core Times	
	<u>Minutes</u>	<u>Seconds</u>
633	1	0
634		48
635		26
636		35
637		40
638		58
639		37
640		15
641		32
642		36
643		33
644		37
645	1	4
646		45