



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.

Finkenbinder #9-IWM

API #15-003-26,412

January 14 - January 15, 2015

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
22	soil & clay	22
5	clay & gravel	27
99	shale	126
26	lime	152
69	shale	221
10	lime	231
6	shale	237
33	lime	270
7	shale	277
21	lime	298
3	shale	301
24	lime	325 base of the Kansas City
171	shale	496
3	lime	499
6	shale	505
6	lime	511 oil show
4	shale	515
12	oil sand	527 green, light bleeding
6	shale	533
1	coal	534
2	shale	536
18	oil sand	554 green, good bleeding
5	shale	559
2	coal	561
3	shale	564
4	lime	568
9	shale	577
2	lime	579
7	shale	586
5	lime	591
73	shale	664
2	limy sand	666 green & white, no bleeding
1.5	oil sand	667.5 brown, 100% bleeding
1	broken sand	668.5 brown & green 50% bleeding
1	oil sand	669.5 brown, 90% bleeding
2.5	broken sand	672 brown & green 50% bleeding
3	broken sand	675 brown & green, thin bleedin seams
24	shale	699 TD

Drilled a 9 7/8" hole to 35.2'

Drilled a 5 5/8" hole to 699'

Set 35.2' of 7" surface casing with 8 sacks of cement.

Set 693.3' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.

	<u>Minutes</u>	<u>Seconds</u>
667		47
668		43
669		40
670		33
671		37
672		35
673		35
674		39
675		36
676		37
677		40