



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.

P. Winfrey #10-T

API #15-003-25,79

March 4 - March 6, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
12	soil & clay	12
3	clay & gravel	15
33	shale	48
29	lime	77
23	shale	100
7	lime	107
36	shale	143
10	lime	153
4	shale	157
34	lime	191
12	shale	203
22	lime	225
3	shale	228
23	lime	251 base of the Kansas City
172	shale	423
3	lime	426
3	shale	429
2	lime	431
6	shale	437
7	lime	444 oil show
8	shale	452
14	broken sand	466 brown & green, light show
1	coal	467
17	shale	484
3	sand	487 white, no oil show
3	shale	490
3	sand	493 white, no oil show
1	coal	494
7	shale	501
6	lime	507
15	shale	522
8	lime	530
33	shale	563
7	lime	570
29	shale	599
1	broken sand	600 brown & green, good bleeding
2	oil sand	602 brown, good bleeding
1	broken sand	603 brown & green, light bleeding

4	shale	607
1	broken sand	608 brown & green, light bleeding
36	shale	644
1	lime & shale	645
1	sand	646 black, no oil show
4	broken oil sand	650 brown & grey, light bleeding
5	shale	655
3	sand	658 black, no oil show
107	shale	765
7	sand	772 white, no oil
1	oil sand	773 brown, good bleeding
2.5	oil sand	775.5 brown, ok bleeding
4	oil sand	779.5 brown, good bleeding
74.5	shale	854 TD

Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 854'

Set 22.6' of 7" surface casing cemented with 6 sacks of cement.

Set 844.5' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

Core Times

	<u>Minutes</u>	<u>Seconds</u>		<u>Minutes</u>	<u>Seconds</u>
647		50	773		38
648		37	774		32
649		31	775		24
650		32	776		26
651		34	777		24
652		40	778		23
653		43	779		29
654		47	780		34
655		35	781		43
656		43	782		31
657		46	783		27
658		39	784		36
659		42	785		41
			786		36
			787		40
			788		43
			789		44