



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 #2-T

API #15-003-25,777

March 11 - March 13, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
6	clay& gravel	16
44	shale	60
29	lime	89
64	shale	153
10	lime	163
5	shale	168
37	lime	205
7	shale	212
23	lime	235
3	shale	238
21	lime	259 base of the Kansas City
172	shale	431
3	lime	434
3	shale	437
3	lime	440
4	shale	444
7	lime	451 oil show
8	shale	459
12	broken sand	471 brown & green, light bleeding
20	shale	491
12	oil sand	503 green, good bleeding
1	coal	504
7	shale	511
6	lime	517
15	shale	532
8	lime	540
33	shale	573
7	lime	580
31	shale	611
1	broken sand	612 brown & green, light bleeding
5	silty shale	617
5	broken sand	622 brown & green, ok bleeding
31	shale	653
1	lime & shells	654
1	sand	655 black, no oil show
4	oil sand	659 brown, ok bleeding
5	shale	664

3	sand	667 black, no oil show
113.5	shale	780.5
5.5	oil sand	786 brown, good bleeding
3	broken sand	789 brown & white, light bleeding
0.5	oil sand	789.5 brown, good bleeding
64.5	shale	854 TD

Drilled a 9 7/8" hole to 20.4'

Drilled a 5 5/8" hole to 854'

Set 20.4' of 7" surface casing cemented with 6 sacks of cement.

Set 843.9' 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>
782		48
783		39
784		36
785		36
786		33
787		35
788		33
789		34
790		43
791		42
792		59