



VANS
ENERGY
DEVELOPMENT
NC.

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.

Morgan #3-T

API #15-003-24375

February 7 - February 8, 2007

13-20S-20E

NW SE SE NE

3185 FSL 545 FEL

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
22	soil and clay	22
67	shale	89
26	lime	115
65	shale	180
12	lime	192
4	shale	196
36	lime	232 water
6	shale	238
23	lime	261
4	shale	265
26	lime	291 base of the Kansas City
133	shale	424
4	sand	428 light brown to grey, lite bleeding
36	shale	464
4	lime	468
3	shale	471
7	lime	478
55	shale	533
8	lime	541
4	shale	545
2	lime	547
8	shale	555
2	lime	557 hard
26	shale	583
13	lime	596
9	shale	605
8	lime & shale	613 seams
2	shale	615
2	lime	617
12	shale	629
4	lime	633
64	shale	697
1	lime	698
47	shale	745
1	broken sand	746 black sand, grey shale, odor
2	shale	748

13-20S-20E
NW SE SE NE

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9	sand	757 brown, bleeding well
9	sand	766 black, no bleeding
58	shale	824 TD

Drilled a 9 7/8" to 22'.
Drilled a 5 5/8" to 824'.

Set 22.2' of 7" threaded and coupled surface casing, cemented with 5 sacks of cement.

Set 814.8" of good 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.