



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

D & Z Exploration, Inc.

Donovan #1-16

API # 15-091-24,275

February 24 - February 25, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
10	sandstone	16
32	sand & shale	48
5	lime	53
4	shale	57
14	lime	71
10	shale	81
8	lime	89
8	shale	97
19	lime	116
17	shale	133
20	lime	153
8	shale	161
8	lime	169
2	shale	171
46	lime	217
21	shale	238
7	lime	245
22	shale	267
7	lime	274
3	shale	277
10	lime	287
34	shale	321
3	lime	324
8	shale	332
9	lime	341
5	shale	346
12	lime	358
8	shale	366
23	lime	389
10	shale	399
11	lime	410 base of the Kansas City
29	shale	439
8	sand	447
134	shale	581
3	lime	584
3	shale	587
3	lime	590
28	shale	618

4	lime	622
13	shale	635
3	lime	638
108	shale	746
4	broken sand	750 brown & grey, light oil show
35	shale	785
3	lime	788
72	shale	860
5	limey sand	865 brown & white good bleeding
3	oil sand	868 brown, good bleeding
3	limey sand	871 brown & white good bleeding
84	shale	955 TD

Drilled a 9 7/8" hole to 24.3'

Drilled a 5 5/8" hole to 955'

Set 24.3' of 7" surface casing cemented with 6 sacks of cement.

Set 914.75' of 2 7/8" 8 round upset tubing with seating nipple including 3 centralizers, 1 float shoe, 1 clamp