



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.

East Gordon # I-13

API # 15-091-24,312

November 4 - November 5, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
15	soil & clay	15
42	shale	57
5	lime	62
6	shale	68
16	lime	84
9	shale	93
9	lime	102
8	shale	110
19	lime	129
17	shale	146
18	lime	164
8	shale	172
60	lime	232
20	shale	252
7	lime	259
20	shale	279
8	lime	287
3	shale	290
9	lime	299
47	shale	346
25	lime	371
8	shale	379
20	lime	399
5	shale	404
18	lime	422 base of the Kansas City
173	shale	595
4	lime	599
2	shale	601
6	lime	607
5	shale	612
12	lime	624
13	shale	637
2	lime	639 hard
10	shale	649
2	lime	651
4	shale	655
3	lime	658
29	shale	687
2	lime	689

14	shale	703
2	lime	705
60	shale	765
3	badly broken sand	768 brown sand, grey shale
105	shale	873
1	lime	874
8	shale	882
1	lime	883 with oil sand
3	oil sand	886 good saturation and bleeding
3	broken sand	889 white silty sand and oil sand
1	lime	890 white
1	broken sand	891
33	shale	924
1	lime	925
55	shale	980 TD

Drilled a 9 7/8" hole to 22'

Drilled a 5 5/8" hole to 980'

Set 22' of 7" threaded and coupled surface casing cemented with 5 sacks of cement.

Set 948' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp