



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 # I5

API # 15-091-24,353

November 6 - November 7, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
15	soil & clay	15
39	shale	54
5	lime	59
5	shale	64
18	lime	82
8	shale	90
10	lime	100
8	shale	108
20	lime	128
16	shale	144
16	lime	160
8	shale	168
59	lime	227
19	shale	246
10	lime	256
19	shale	275
19	lime	294
47	shale	341
25	lime	366
7	shale	373
23	lime	396
4	shale	400
16	lime	416 base of the Kansas City
175	shale	591
6	lime	597
3	shale	600
16	lime	616
17	shale	633
3	lime	636
7	shale	643
4	lime	647
4	shale	651
3	lime	654
23	shale	677
2	lime	679
7	shale	686
2	lime	688
60	shale	748
1	lime	749

3	shale	752
1	lime	753
5	shale	758
3	broken sand	761 badly broken sand & grey shale
115	shale	876
11	oil sand	887 good saturation and bleeding
1	broken sand	888 thinly laminated oil sand & silty shale
26	shale	914
1	lime	915
65	shale	980 TD

Drilled a 9 7/8" hole to 24.4'

Drilled a 5 5/8" hole to 980'

Set 24.4' of new 7" threaded and coupled surface casing cemented with 6 sacks of cement.

Set 941.65' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 seating nipple
Seating Nipple at 871.6'