



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 Hastert #D1

API # 15-003-26,431

June 22 - June 24, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
4	clay & gravel	20
83	shale	103
29	lime	132
7	shale	139
3	lime	142
23	shale	165
7	lime	172
23	shale	195
8	lime	203
8	shale	211
36	lime	247
4	shale	251
27	lime	278
3	shale	281
24	lime	305 base of the Kansas City
133	shale	438
3	broken sand	441 brown & green, light oil show
31	shale	472
3	lime	475
4	shale	479
2	lime	481
8	shale	489
8	lime	497 oil show
10	shale	507
6	broken sand	513 brown & green, light oil show
11	shale	524
1	coal	525
19	shale	544
2	coal	546
4	shale	550
5	lime	555
7	shale	562
3	lime	565
5	shale	570
6	lime	576
20	shale	596
20	lime	616
13	shale	629

4	lime	633
78	shale	711
2	lime	713
6	oil sand	719 black light oil show
34	shale	753
4	lime	757
4	broken sand	761 brown & green light oil show
2	shale	763
1	broken sand	764 brown & green, ok bleeding
16	oil sand	780 black good bleeding
1	shale	781
1	coal	782
253	shale	1035
185	lime	1220 TD

(1150 top of the first break)

Drilled a 9 7/8" hole to 22.5'  
Drilled a 5 5/8" hole to 1220'

Set 22.5' of 7" surface casing, cemented with 5 sacks of cement.

Set 1201' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 cement basket