



11 Lewis Drive

Paola, KS 66071

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

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WELL LOG

D & Z Exploration, Inc.
 Sugar Ridge Farms #38
 API # 15-091-24,445
 January 11 - January 13, 2017

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
11	soil & clay	11
3	shale	14
29	lime	43
8	shale	51
8	lime	59
9	shale	68
23	lime	91
18	shale	109
20	lime	129
11	shale	140
9	lime	149
8	shale	157
37	lime	194
18	shale	212
9	lime	221
20	shale	241
7	lime	248
3	shale	251
7	lime	258
48	shale	306
23	lime	329
7	shale	336
24	lime	360
3	shale	363
17	lime	380 base of the Kansas City
26	shale	406
8	sand	414
139	shale	553
6	lime	559
2	shale	561
8	lime	569
24	shale	593
5	lime	598
12	shale	610
10	lime	620
15	shale	635
5	lime	640
79	shale	719
5	broken sand	724 brown & green, light bleeding
97	shale	821

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9	sand	830 white, no oil
11	shale	841
3	limey sand	844 black & white, 60% bleeding
3.5	oil sand	847.5 black 100% bleeding
3	broken sand	850.5
89.5	shale	940 TD

Drilled a 9 7/8" hole to 21.3'

Drilled a 5 5/8" hole to 940'

Set 21.3' of 7" surface casing, cemented with 5 sacks of cement.

Set 902' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp
Seating nipple at 837'

	<u>Minutes</u>	<u>Seconds</u>
841		55
842		51
843	1	2
844		52
845		48
846		59
847		30
848		34
849		47
850		42
851		31
852		35
853		27
854		31
855		30
856		28
857		33