



**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

**11 Lewis Drive Paola, KS 66071**

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**WELL LOG**

Vast Petroleum of Kansas LLC  
Jewel J. Shikels #31  
API #15-107-24,845  
January 15 - January 16, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
12	lime	18
32	sandstone	50
51	shale	101
2	lime	103
11	shale	114
8	lime	122
7	shale	129
34	lime	163
11	shale	174
20	lime	194
3	shale	197
20	lime	217 base of the Kansas City
27	shale	244
23	sand	267
127	shale	394
12	lime	406
28	shale	434
10	lime	444
5	shale	449
2	lime	451
9	shale	460
3	lime	463
17	shale	480
3	lime	483
28	shale	511
10	lime	521
17	shale	538
3	lime	541
10	shale	551
2	lime	553
20	shale	573
1	broken sand	574 brown & green, no oil show
1	shale	575
2	broken sand	577 brown & grey light bleeding
1	shale	578
7	broken sand	585 brown & grey, light oil show
2	shale	587

28  
20  
80

broken sand  
silty shale  
shale

615 brown & grey ok bleeding  
635  
715 TD

Drilled a 12 1/4" hole to 21.1'  
Drilled a 5 5/8" hole to 715'

Set 21.1' of 8 5/8" threaded and coupled surface casing, cemented with 7 sacks cement.

Set 705.5' of 4 1/2" tubing including 6 centralizers, 1 float shoe, 1 baffel, 1 clamp.

