

RECEIVED DEC 14 2012

# DRILL LOG

Operator License# 34592

API 15-091-23928-00-00

Operator Kansas Resource Exploration & Dev.

Lease Name Guetterman

Address \_\_\_\_\_

Well KR 3

Contractor JTC Oil, Inc.

Spud Date

11/15/2012  
Cement

Contractor License\_\_32834

Location\_\_\_\_\_ of \_\_\_\_\_

T.D. 900 T.D. of Pipe 874

\_\_\_\_\_ feet from \_\_\_\_\_

Surf. Pipe Size\_\_7"\_\_\_\_Depth 20 ft.

\_\_\_\_\_ feet from \_\_\_\_\_

Kind of Well\_\_prod\_\_\_\_\_

County Johnson

Thickness	Strata	From	To	Thickness	Strata	From	To
12	dirt/clay	0	12	12	shale	105	117
3	lime	12	15	9	lime	117	226
3	shale	15	18	9	shale	226	235
17	lime	18	35	10	lime	235	245
8	black shale	35	43	4	coal	245	249
7	lime	43	50	6	lime	249	255
10	shale	50	60	16	black shale	255	271
17	lime	60	77	3	lime	271	274
17	shale	77	94	26	shale	274	280
19	lime	94	113	28	lime	280	308
7	shale	113	120	3	shale	308	311

50	lime	120	170	24	lime	311	335
24	shale	170	194	8	black shale	335	343
11	lime	194	205	3	lime	343	346
				1	shale	346	347
				7	lime	347	353
				2	shale	353	355
				6	lime	355	361
				23	shale	361	384
				6	sandy shale	384	390
				100	shale	390	490
				4	shale mix	490	494
				11	shale	494	505
				2	lime	505	507
				3	no oil /sand	507	510
				16	shale	510	526
				6	lime	526	532
				3	shale	532	535
				3	lime	535	538
				6	shale	538	544
				7	lime	544	551
				4	shale	551	565
				5	lime	565	570

5	shale	570	578
7	lime	578	585
5	shale	585	590
7	red bed	590	597
5	shale	597	602
4	coal	602	606
2	shale	606	608
2	lime	608	610
3	black shale	610	613
17	lime	613	630
10	mix sand shale/no oil	630	640
33	shale	640	673
2	lime	673	675
9	shale	675	684
2	little oil	684	686
2	sand/not much oil	686	688
2	sand/not much oil	688	690
25	shale	690	715
5	lime	715	720
3	shale	720	723
22	lime with shale	723	745
5		745	750

54	shale	750	804
1	little oil	804	805
5	shale	805	810
80	shale	810	900