

RECEIVED DEC 14 2012

DRILL LOG

Operator License# 34592

API 15-091-23937-00-00

Operator Kansas Resource Exploration & Dev.

Lease Name Guetterman

Address _____

Well # KR 15

Contractor JTC Oil, Inc.

Spud Date 11/19/2012
Cement

Contractor License 32834

Location _____ of _____

T.D. 940 T.D. of Pipe 900

_____ 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
3	dirt	0	3	19	lime	102	121
12	dirt	3	15	18	shale	121	139
30	shale	15	45	19	lime	139	158
5	lime	45	50	5	shale	158	163
3	shale	50	53	48	lime	163	211
4	lime	53	57	29	shale	211	240
6	shale	57	63	6	lime	240	246
10	lime	63	79	17	shale	246	263
6	black shale	79	85	7	lime	263	270
4	lime	85	89	5	shale	270	275
13	shale	89	102	8	lime	275	283

33	shale	283	315
1	lime	315	316
9	shale	316	325
27	lime	325	352
6	shale	352	358
22	lime	358	380
4	shale	380	384
6	lime	384	390
42	shale	350	392
11	lime	392	403
147	shale	403	550
25	shale mix	550	575
4	lime	575	579
6	shale	579	585
15	lime	585	600
2	shale	600	602
7	sand/no oil	602	609
3	shale	609	612
5	lime	612	617
8	shale	617	625
7	lime	625	632
14	shale	632	646

	8	red bed	648	656
	12	shale	656	668
	12	lime	668	680
	3	shale	680	683
	12	sand/no oil	683	695
	42	shale	737	695
good	1	sand	737	738
Good	2		738	740
Good	2		740	742
	2	little	742	744
	2	little	744	746
	4	shale mix	746	770
	3	lime	770	773
	12	shale	773	785
	10	lime mix	785	795
	3	coal	795	798
	2	lime	798	800
	5	sand/no oil	800	805
	10	shale mix	805	815
	5	lime	815	820
	25	shale	820	845
	5	lime	845	850

	7	shale	850	857
good	1	oil sand	857	858
Good	1		858	859
Good	1		859	860
Good	1		860	861
Good	1		861	862
Good	1		862	863
Good	1		863	864
	1	little	864	865
	1	little	865	866
	2	little	866	868
	12	sand/no oil	868	880
	20	shale	880	900
	2	lime	900	902
	38	shale	902	940