

## DRILL LOG

Operator License# 32834

API # 15-121-31435-00-00

Operator \_\_\_\_\_ JTC Oil, Inc.

Lease Hayes

Address 35790 Plum Creek Rd. Osaw. KS

Well # I-2

Contractor JTC Oil, Inc.

Spud Date 10/22/18 Cement

Contractor License 32834

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

T.D. 600 T.D. of Pipe 577

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

Surf. Pipe Size 7" Depth ft. 20 ft.  
w/ 3sx Cement

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

Kind of Well Injection

County Miami

Thickness	Strata	From	To	Thickness	Strata	From	To
2	soil	0	2	22	lime	197	219
12	clay	2	14	6	coal	219	225
34	shale	14	48	14	lime	225	239
19	lime	48	67	137	shale	239	376
23	shale	67	90	19	lime/shale	376	395
5	lime	90	95	18	lime	395	413
39	shale	95	134	43	shale	413	456
17	lime	134	151	5	lime	456	461
11	shale	151	162	12	shale	461	473
26	lime	162	188	3	lime	473	476
9	coal	188	197	16	black shale	476	492

<u>3</u>	<u>lime</u>	<u>492</u>	<u>495</u>
<u>21</u>	<u>shale</u>	<u>495</u>	<u>516</u>
<u>2</u>	<u>lime</u>	<u>516</u>	<u>518</u>
<u>6</u>	<u>coal</u>	<u>518</u>	<u>524</u>
<u>3</u>	<u>lime</u>	<u>524</u>	<u>527</u>
<u>8</u>	<u>shale</u>	<u>527</u>	<u>535</u>
<u>2</u>	<u>oil sand</u>	<u>535</u>	<u>537 ok</u>
<u>2</u>	<u>oil sand</u>	<u>537</u>	<u>539 v good</u>
<u>3</u>	<u>oil sand</u>	<u>539</u>	<u>542 v good</u>
<u>3</u>	<u>oil sand</u>	<u>542</u>	<u>545 v good</u>
<u>2</u>	<u>oil sand</u>	<u>545</u>	<u>547 good</u>
<u>53</u>	<u>shale</u>	<u>547</u>	<u>600</u>