

## DRILL LOG

Operator License# 32834

API # 15-121-31430-00-00

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

Lease East Waddle

Address

Well # I-2

Contractor JTC Oil, Inc.

Spud Date 12/8/17 Cement 12/21/17

Contractor License 32834

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

T.D. 540 T.D. of Pipe 507

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

Surface Pipe: 20' of 7" 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	120	142
13	clay	2	15	5	coal	142	147
2	shale	15	17	10	lime	147	157
3	lime	17	20	144	shale	157	301
23	shale	20	43	23	lime/shale	301	324
3	lime	43	46	11	lime	324	335
13	shale	46	59	46	shale	335	381
15	lime	59	74	11	lime	381	392
10	shale	74	84	10	shale	392	402
28	lime	84	112	3	lime	402	405
8	coal	112	120	13	black shale	405	418

<u>12</u>	lime	418	430
<u>13</u>	shale	430	443
<u>2</u>	lime	443	445
<u>3</u>	coal	445	448
<u>4</u>	lime oil	448	452
<u>2</u>	shale	452	456
<u>2</u>	oil sand	456	458
<u>2</u>	oil sand	458	460 ok
<u>2</u>	oil sand	460	462 v good
<u>2</u>	oil sand	462	464 v good
<u>2</u>	oil sand	464	466 good
<u>2</u>	oil sand	466	468 ok
<u>2</u>	shale/sand	468	470 broke
<u>32</u>	shale	470	502
<u>21</u>	black shale	502	523
<u>8</u>	oil sand	523	531
<u>9</u>	shale	531	540