

## DRILL LOG

Operator License# 32834

API 15-121-31597-00-00

Operator JTC Oil, Inc.

Lease Name Wingert

Address 35790 Plum Creek Rd. Osaw. KS

Well # I-1

Phone 913-755-2959

Spud Date 7/27/19 Completed 7/30/19

Contractor License 32834

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

T.D. 720 T.D. of Pipe 695

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

Surf. Pipe Size 6/12 Depth 20 ft.  
w/3sx cement

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

Kind of Well Injector

County Miami

Thickness	Strata	From	To	Thickness	Strata	From	To
2	soil	0	2	2	lime	196	198
6	clay	2	8	10	shale	198	208
16	lime	8	24	3	lime	208	211
18	shale	24	43	39	shale	211	250

Wingert I-1

2

<u>17</u>	lime	<u>43</u>	<u>60</u>	<u>14</u>	lime	<u>250</u>	<u>264</u>
<u>97</u>	shale	<u>60</u>	<u>157</u>	<u>11</u>	shale	<u>264</u>	<u>275</u>
<u>17</u>	lime	<u>157</u>	<u>174</u>	<u>27</u>	lime	<u>275</u>	<u>302</u>
<u>22</u>	shale	<u>174</u>	<u>196</u>	<u>8</u>	coal	<u>302</u>	<u>310</u>

<u>Thickness</u>	<u>Strata</u>	<u>From</u>	<u>To</u>
<u>21</u>	lime	<u>310</u>	<u>331</u>
<u>5</u>	coal	<u>331</u>	<u>336</u>
<u>13</u>	lime	<u>336</u>	<u>349</u>
<u>144</u>	shale	<u>349</u>	<u>493</u>
<u>34</u>	lime/shale	<u>493</u>	<u>527</u>
<u>17</u>	lime	<u>527</u>	<u>544</u>
<u>26</u>	shale	<u>544</u>	<u>570</u>

Wingert I-1

3

<u>3</u>	<u>lime</u>	<u>570</u>	<u>573</u>
<u>20</u>	<u>shale</u>	<u>573</u>	<u>593</u>
<u>3</u>	<u>lime</u>	<u>593</u>	<u>596</u>
<u>18</u>	<u>black shale</u>	<u>596</u>	<u>614</u>
<u>3</u>	<u>lime</u>	<u>614</u>	<u>617</u>
<u>19</u>	<u>shale</u>	<u>617</u>	<u>636</u>
<u>2</u>	<u>lime</u>	<u>636</u>	<u>638</u>
<u>8</u>	<u>shale</u>	<u>638</u>	<u>646</u>
<u>2</u>	<u>lime</u>	<u>646</u>	<u>648</u>
<u>9</u>	<u>shale</u>	<u>648</u>	<u>657</u>
<u>2</u>	<u>oil sand</u>	<u>657</u>	<u>659 ok</u>
<u>3</u>	<u>oil sand</u>	<u>659</u>	<u>662 good</u>
<u>3</u>	<u>oil sand</u>	<u>662</u>	<u>665 good</u>
<u>3</u>	<u>oil sand</u>	<u>665</u>	<u>668 good</u>
<u>3</u>	<u>oil sand</u>	<u>668</u>	<u>671 good</u>
<u>49</u>	<u>shale</u>	<u>671</u>	<u>720 TD</u>