

DRILL LOG

Operator License# 32834

API # 15-121-31521-00-00

Operator _____ JTC Oil, Inc.

Lease Wingert

Address 35790 Plum Creek Rd. Osaw. KS

Well # I-7

Contractor JTC Oil, Inc.

Spud Date 9/21/18 Cement 9/26/18

Contractor License 32834

Location _____ of _____

T.D. 740 T.D. of Pipe 718

_____ 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	12	shale	273	285
6	clay	2	8	28	lime	285	313
27	lime	8	35	8	coal	313	321
22	shale	35	57	19	lime	321	340
15	lime	57	72	5	coal	340	345
96	shale	72	168	14	lime	345	359
18	lime	168	186	140	shale	359	499
31	shale	186	217	17	lime/shale	499	516
4	lime	217	221	17	lime	516	533
38	shale	221	259	49	shale	533	582
14	lime	259	273	4	lime	582	586

<u>17</u>	<u>shale</u>	<u>586</u>	<u>603</u>
<u>3</u>	<u>lime</u>	<u>603</u>	<u>606</u>
<u>20</u>	<u>Black shale</u>	<u>606</u>	<u>626</u>
<u>3</u>	<u>lime</u>	<u>626</u>	<u>629</u>
<u>16</u>	<u>shale</u>	<u>629</u>	<u>645</u>
<u>3</u>	<u>lime</u>	<u>645</u>	<u>648</u>
<u>20</u>	<u>shale</u>	<u>648</u>	<u>668</u>
<u>3</u>	<u>oil sand</u>	<u>668</u>	<u>671 ok</u>
<u>2</u>	<u>oil sand</u>	<u>671</u>	<u>673 v good</u>
<u>3</u>	<u>oil sand</u>	<u>673</u>	<u>676 v good</u>
<u>3</u>	<u>oil sand</u>	<u>676</u>	<u>679 oil</u>
<u>61</u>	<u>shale</u>	<u>679</u>	<u>740</u>