

DRILL LOG

Operator License# 32834

API # 15-121-31515-00-00

Operator _____ JTC Oil, Inc.

Lease Wingert

Address 35790 Plum Creek Rd. Osaw. KS

Well # P-14

Contractor JTC Oil, Inc.

Spud Date 9/17/18 Cement 9/20/18

Contractor License 32834

Location _____ of _____

T.D. 720 T.D. of Pipe 712

_____ feet from _____

Surf. Pipe Size 7" Depth ft. 20 ft. w/ 3sx cement _____ feet from _____

Kind of Well Production

County Miami

Thickness	Strata	From	To	Thickness	Strata	From	To
2	soil	0	2	13	shale	253	266
2	clay	2	4	27	lime	266	293
9	lime	4	13	10	coal	293	303
21	shale	13	34	18	lime	303	321
16	lime	34	50	5	coal	321	326
96	shale	50	146	13	lime	326	339
17	lime	146	163	136	shale	339	475
34	shale	163	197	19	lime/shale	475	494
4	lime	197	201	19	lime	494	513
37	shale	201	238	47	shale	513	560
15	lime	238	253	4	lime	560	564

<u>19</u>	shale	564	583
<u>3</u>	lime	583	586
<u>15</u>	black shale	586	601
<u>4</u>	lime	601	605
<u>17</u>	shale	605	622
<u>4</u>	lime	622	626
<u>18</u>	shale	626	644
<u>3</u>	oil sand	644	647 good
<u>3</u>	oil sand	647	650 v good
<u>3</u>	oil sand	650	653v good
<u>3</u>	oil sand	653	656v good
<u>2</u>	oil sand	656	658 ok
<u>62</u>	shale	658	720

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