

DRILL LOG

Operator License# 32834

API # 15-121-31424-00-00

Operator _____ JTC Oil, Inc.

Lease Hayes

Address 35790 Plum Creek Rd. Osaw. KS

Well # P-4

Contractor JTC Oil, Inc.

Spud Date 5/4/18 Cement 5/9/18

Contractor License 32834

Location _____ of _____

T.D. 600 T.D. of Pipe 575

_____ feet from _____

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

_____ feet from _____

Kind of Well Producer

County Miami

Thickness	Strata	From	To	Thickness	Strata	From	To
<u>2</u>	soil	0	2	<u>21</u>	lime	192	213
<u>12</u>	clay	2	14	<u>5</u>	coal	213	218
<u>27</u>	shale	14	41	<u>14</u>	lime	218	232
<u>19</u>	lime	41	60	<u>136</u>	shale	232	368
<u>23</u>	shale	60	83	<u>5</u>	lime/shale	368	373
<u>5</u>	lime	83	88	<u>2</u>	lime	373	375
<u>43</u>	shale	88	131	<u>15</u>	shale	375	390
<u>15</u>	lime	131	146	<u>28</u>	lime	390	418
<u>10</u>	shale	146	156	<u>32</u>	shale	418	450
<u>28</u>	lime	156	184	<u>8</u>	lime	450	458
<u>8</u>	coal	184	192	<u>12</u>	shale	458	470

<u>2</u>	<u>lime</u>	<u>470</u>	<u>472</u>
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<u>15</u>	<u>black shale</u>	<u>472</u>	<u>487</u>
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<u>4</u>	<u>lime</u>	<u>487</u>	<u>491</u>
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<u>20</u>	<u>shale</u>	<u>491</u>	<u>511</u>
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<u>3</u>	<u>lime</u>	<u>511</u>	<u>514</u>
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<u>4</u>	<u>coal</u>	<u>514</u>	<u>518</u>
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<u>13</u>	<u>shale</u>	<u>518</u>	<u>531</u>
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<u>2</u>	<u>oil sand</u>	<u>531</u>	<u>533 ok</u>
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<u>2</u>	<u>oil sand</u>	<u>533</u>	<u>535 very good</u>
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<u>2</u>	<u>oil sand</u>	<u>535</u>	<u>537 very good</u>
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<u>2</u>	<u>oil sand</u>	<u>537</u>	<u>539very good</u>
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<u>2</u>	<u>oil sand</u>	<u>539</u>	<u>541 ok</u>
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<u>39</u>	<u>shale</u>	<u>541</u>	<u>580</u>
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PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

Sm - 10731

PO-16641

FT-10022

TICKET NUMBER 54009

LOCATION Chanute, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT CEMENT

Invoice # 813216

DATE <u>5/19/18</u>	CUSTOMER # <u>4015</u>	WELL NAME & NUMBER <u>Hages #P-4</u>	SECTION <u>NW 29</u>	TOWNSHIP <u>17</u>	RANGE <u>22</u>	COUNTY <u>M1</u>
CUSTOMER <u>JTC Oil Inc.</u>			TRUCK # <u>729</u>	DRIVER <u>Asken</u>	TRUCK # <u>445</u>	DRIVER <u>Harber</u>
MAILING ADDRESS <u>35790 Plum Creek Rd</u>			TRUCK # <u>558</u>	DRIVER <u>Ala Mad</u>	TRUCK # <u>695</u>	DRIVER <u>Kei Det</u>
CITY <u>Oswantonie</u>	STATE <u>KS</u>	ZIP CODE <u>66064</u>				

JOB TYPE longstring HOLE SIZE 5 7/8" HOLE DEPTH 1600' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 575' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT 3.33 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, washed down 2 joints 2 7/8" tubing, mixed + pumped 200 # Gel followed by 5 bbls fresh water, mixed + pumped 70 sts Thixobland 1 cement w/ 1/4 # Floerol per st, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 3.33 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

[Signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
LE0450	1	PUMP CHARGE	1500.00	
CE0002	20 mi	MILEAGE	143.00	
CE0711	1/2 min	ton mileage	330.00	
WFO853	1.5 hrs	80 Vac	150.00	
		trucks	2123.00	
		- 40%	819.20	
		subtotal		1273.80
CC5860	70 sts	Thixobland 1 cement	1750.00	
CC5965	200 #	Gel	60.00	
CC6075	18 #	Floerol	36.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1891.00	
		- 40%	756.40	
		subtotal		1134.60
		8%		
		SALES TAX		90.77
		ESTIMATED TOTAL		2499.17

Revin 5737

AUTHORIZATION *[Signature]*

TITLE _____

DATE (4/16/28)

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.