



Confidentiality Requested:

☒ Yes ☐ NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1248148

Form ACO-1

August 2013

Form must be Typed
Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32834

Name: JTC Oil, Inc.

Address 1: 35790 PLUM CREEK RD

Address 2:

City: OSAWATOMIE State: KS Zip: 66064 +

Contact Person: TOM CAIN

Phone: (913) 755-2959

CONTRACTOR: License # 32834

Name: JTC Oil, Inc.

Wellsite Geologist: NA

Purchaser:

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☒ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

- ☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/11/2015

Spud Date or
Recompletion Date

03/12/2015

Date Reached TD

03/16/2015

Completion Date or
Recompletion Date

API No. 15 - 15-121-30434-00-00

Spot Description:

_ NW _ SE _ SE Sec. 9 Twp. 17 S. R. 22 ☒ East ☐ West
 990 Feet from ☐ North / ☒ South Line of Section
 990 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SWGPS Location: Lat: , Long:
 (e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Miami

Lease Name: Cooper Well #: I-17

Field Name:

Producing Formation: SQUIRREL

Elevation: Ground: 1024 Kelly Bushing: 1027

Total Vertical Depth: 740 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from:

feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1200 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☒ Confidentiality Requested

Date: 03/25/2015

☒ Confidential Release Date: 03/24/2017☐ Wireline Log Received☐ Geologist Report Received☒ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: NAOMI JAMES Date: 04/01/2015

1248148

Operator Name: JTC Oil, Inc. Lease Name: Cooper Well #: I-17
Sec. 9 Twp. 17 S. R. 22 ☒ East ☐ West County: Miami

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)	☐ Yes ☒ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name SQUIRREL	Top SURFACE	Datum SURFACE
Cores Taken	☐ Yes ☒ No			
Electric Log Run	☒ Yes ☐ No			

List All E. Logs Run:

GAMMA
NEUTRON
CCLCASING RECORD ☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	20	PORTLAND	5	OWC
Production	5.625	2.875	8	729	PORTLAND	102	OWC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	-			
☐ Plug Back TD				
☐ Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well?

☐ Yes ☒ No (If No, skip questions 2 and 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?

☐ Yes ☐ No (If No, skip question 3)

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method:
☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	----------------	--------------	------------------	---------------	---------

DISPOSITION OF GAS:

☐ Vented ☐ Sold ☐ Used on Lease

(If vented, Submit ACO-18.)

METHOD OF COMPLETION:

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
(Submit ACO-5) (Submit ACO-4)
☐ Other (Specify) _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	JTC Oil, Inc.
Well Name	Cooper I-17
Doc ID	1248148

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	7	10	20	PORTLAND	5	OWC
Production	5.625	2.875	8	729	PORTLAND	102	OWC

Summary of Changes

Lease Name and Number: Cooper I-17

API/Permit #: 15-121-30434-00-00

Doc ID: 1248148

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	03/25/2015	04/01/2015
Electric Log Run?	No	Yes
Elogs_PDF		GAMMA NEUTRON
Save Link	../kcc/detail/operatorEditDetail.cfm?docID=1247300	../kcc/detail/operatorEditDetail.cfm?docID=1248148

Confidentiality Requested:

☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1247300

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32834

Name: JTC Oil, Inc.

Address 1: 35790 PLUM CREEK RD

Address 2:

City: OSAWATOMIE State: KS Zip: 66064 +

Contact Person: TOM CAIN

Phone: (913) 755-2959

CONTRACTOR: License # 32834

Name: JTC Oil, Inc.

Wellsite Geologist: NA

Purchaser:

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☒ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

- ☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/11/2015 03/12/2015 03/16/2015
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-121-30434-00-00

Spot Description:

- NW SE SE Sec. 9 Twp. 17 S. R. 22 ☒ East ☐ West

990 Feet from ☐ North / ☒ South Line of Section

990 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

GPS Location: Lat: , Long:
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Miami

Lease Name: Cooper Well #: I-17

Field Name:

Producing Formation: SQUIRREL

Elevation: Ground: 1024 Kelly Bushing: 1027

Total Vertical Depth: 740 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from:

feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1200 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- ☒ Confidentiality Requested
Date: 03/25/2015
☐ Confidential Release Date:
☐ Wireline Log Received
☐ Geologist Report Received
☒ UIC Distribution
ALT ☐ I ☒ II ☐ III Approved by: NAOMI JAMES Date: 03/25/2015

Operator Name: JTC Oil, Inc. Lease Name: Cooper Well #: I-17
 Sec. 9 Twp. 17 S. R. 22 ☒ East ☐ West County: Miami

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☒ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☒ No Cores Taken ☐ Yes ☒ No Electric Log Run ☒ Yes ☐ No Geologist Report / Mud Logs ☐ Yes ☐ No List All E. Logs Run: GAMMA NEUTRON CCL	☐ Log Formation (Top), Depth and Datum ☐ Sample Name SQUIRREL Top SURFACE Datum SURFACE
--	--

CASING RECORD ☒ New ☐ Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	20	PORTLAND	5	OWC
Production	5.625	2.875	8	729	PORTLAND	102	OWC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	-			
☐ Plug Back TD				
☐ Plug Off Zone	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No *(If No, skip questions 2 and 3)*
 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
TUBING RECORD: Size: Set At: Packer At:					

Form	ACO1 - Well Completion
Operator	JTC Oil, Inc.
Well Name	Cooper I-17
Doc ID	1247300

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	7	10	20	PORTLAND	5	OWC
Production	5.625	2.875	8	729	PORTLAND	102	OWC

Operator License # 32834
 Operator JTC Oil, Inc.
 Address 35790 Plum Creek Road
 City Osawatomie, KS 66064
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 740'
 T.D. of pipe 729'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30434-00-00
 Lease Name Cooper
 Well # I-17
 Spud Date 3/11/2015
 Cement Date 3/16/2015
 Location Sec 9 T 17 S R 22 E
 990 feet from S line
 990 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
2	clay	2	4	
84	shale	4	88	
18	lime	88	106	
30	shale	106	136	
4	lime	136	140	
41	shale	140	181	
15	lime	181	196	
9	shale	196	205	
27	lime	205	232	
6	coal	232	238	
22	lime	238	260	
4	coal	260	264	
6	lime	264	270	
4	lime oil	270	274	v-good 7ft.
3	lime oil	274	277	v-good 7ft.
138	shale	277	415	
30	lime shale	415	445	
11	lime	445	456	
42	shale	456	498	
7	lime	498	505	
20	shale	505	525	
3	lime	525	528	
14	black shale	528	542	
4	lime	542	546	
19	shale	546	565	
3	lime	565	568	
47	shale	568	615	
3	oil sand	615	618	broke
4	oil sand	618	622	ok
4	oil sand	622	626	broke
4	oil sand	626	630	broke
4	oil sand	630	634	good
4	oil sand	634	638	ok

4	oil sand	638	642	ok
4	oil sand	642	646	good
4	oil sand	646	650	good
4	oil sand	650	654	ok
4	oil sand	654	658	ok
4	oil sand	658	662	good
6	oil sand	662	668	v-good
4	oil sand	668	672	v-good
4	oil sand	672	676	v-good
2	oil sand	676	678	good
3	oil sand	678	681	good
3	oil sand	681	684	good
4	oil sand	684	688	good
2	oil sand	688	690	ok
50	shale	690	740	



250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer: JTC		Customer Name:		Ticket No.: 50541			
Address:		AFE No.:		Date: 3/16/2015			
City, State, Zip:		Job type: CEMENT LONGSTRING (NEW WELL)					
Service District:		Well Details: 2 7/8 casing @ 729... 5 7/8 hole @ 740					
Well name & No.: COOPER I-17		Well Location:		County: Miami	State: Kansas		
Equipment #	Driver	Equipment #	Driver	Equipment #	Hours		
26	Joe				TRUCK CALLED		
231	Tom				ARRIVED AT JOB		
241	Troy				START OPERATION		
111	Tyler				FINISH OPERATION		
108	Jeff				RELEASED		
					MILES FROM STATION TO WELL		
Treatment Summary							
Hooked onto 2 7/8 casing and achieved circulation.. Pumped 17 bbl gel sweep followed by 16 bbl water spacer and 102 sks of OWC cement.. Flushed pump and pumped plug to bottom and set float shoe... M.I.T. @ 750 psi for 15 minutes.... 5 bbl slurry to pit.. CUSTOMER SUPPLIED WATER							
Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
c00101	Heavy Equip. One Way	mi	-	\$3.25	\$0.00	10.00%	\$0.00
c00102	Light Equip. One Way	mi	-	\$1.50	\$0.00	10.00%	\$0.00
c23103	Cement Pump (Multiple wells)	ea	1.00	\$675.00	\$675.00	10.00%	\$607.50
P01605	O.W.C. Cement	sack	102.00	\$17.95	\$1,830.90	25.00%	\$1,373.18
p01607	Bentonite Gel	lb	200.00	\$0.30	\$60.00	25.00%	\$45.00
p01631	Rubber Plug 2 7/8	ea	1.00	\$25.00	\$25.00	10.00%	\$22.50
p02000	H2O	gal	4,600.00	\$0.01	\$59.80		\$59.80
c11100	Vacuum Truck 80 bbl	ea	1.50	\$84.00	\$126.00	10.00%	\$113.40
c10800	Vacuum Truck 80 bbl	ea	1.50	\$84.00	\$126.00	10.00%	\$113.40
c24201	Cement Bulk Truck - Minimum	ea	1.00	\$300.00	\$300.00	50.00%	\$150.00
				Gross:	\$ 3,202.70	Net:	\$ 2,484.78
Total Taxable				\$ -	Tax Rate:	7.650%	
				Sale Tax:		\$ -	
				Total:		\$ 2,484.78	
Date of Service:				3/16/2015			
HSI Representative:				Joe Blanchard			
Customer Representative:				Curtis Zollar			
TERMS: Cash in advance unless Hurricane Services Inc has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.							
X _____ CUSTOMER AUTHORIZED AGENT							
Customer Comments or Concerns:							

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.