Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1188269

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 # 35000
Name: Flinthills Oil Company LLC
Address 1: 27011 W. 226 ST.
Address 2:
City: SPRING HILL State: KS Zip: 66083 + __ __ __ __
Contact Person: Tom Cain
Phone: (913) 686-5292
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 #:

11/30/2013	12/01/2013	12/04/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26565-00-00
Spot Description:
SW NW NW NW Sec. 33 Twp. 17 S. R. 21 ☑ East ☐ West
4949 Feet from ☐ North / ☑ South Line of Section
4987 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Franklin
Lease Name: Chase Lease Well #: I-1
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 971 Kelly Bushing: 974
Total Vertical Depth: 860 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: 0
feet depth to: 20 w/ 5 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:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 02/10/2014

[redacted] 1188269

Operator Name: Flinthills Oil Company LLC Lease Name: Chase Lease Well #: I-1

Sec. 33 Twp. 17 S. R. 21 ☑ East ☐ West County: Franklin

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
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Gamma
Neutron
CCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Squirrel		

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	50/50 POZ
Production	5.625	2.875	8	775	Portland	85	50/50 POZ

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. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Operator License #	35000		API #	15-059-26565-00-00		
Operator	Flinthills Oil Co, LLC		Lease Name	Chase		
Address	27011 W. 226 St		Well #	I-1		
City	Spring Hill, KS 66083					
Contractor	JTC Oil, Inc.		Spud Date	11/30/2013		
Contractor License #	32834		Cement Date	12/4/2013		
T.D.	860		Location	Sec 33	T 17	R 21
T.D. of pipe	775		375	feet from	N	line
Surface pipe size	7"		330	feet from	W	line
Surface pipe depth	20'		County	Franklin		
Well Type	Injection					

Driller's Log

Thickness	Strata	From	To	
3	Soil	0	3	
5	Clay	3	8	
10	Lime	8	18	
93	Shale	18	111	
20	Lime	111	131	
24	Shale	131	155	
6	Lime	155	161	
37	Shale	161	198	
17	Lime	198	215	
10	Shale	215	225	
28	Lime	225	253	
7	Black Shale	253	260	
22	Lime	260	282	
4	Coal	282	286	
12	Lime	286	298	
155	Shale	298	453	
12	Lime	453	465	
50	Shale	465	515	
4	Lime	515	519	
10	Shale	519	529	
2	Lime	529	531	
31	Black Shale	531	562	
2	Lime Oil	562	564	V-Good
2	Lime Oil	564	566	OK
7	Shale	566	573	
2	Oil Sand	573	575	Good
25	Shale	575	600	
37	Black Shale	600	637	
3	Sandy	637	640	
3	Oil Sand	640	643	Little
5	Sandy	643	648	
22	Shale	648	670	
1	Lime	670	671	
16	Shale	671	687	

2	Sand	687	689		Gas & Light Oil
2	Sand	689	691	Little Oil	Gas & Light Oil
2	Sand	691	693	OK	Gas & Light Oil
5	Sandy	693	698	Good	
37	Black Shale	698	735		
24	Sandy	735	759		
3	Oil Sand	759	762	Broken	Best Sand
2	Oil Sand	762	764	OK	Best Sand
2	Oil Sand	764	766	Good	Best Sand
2	Oil Sand	766	768	Good	Best Sand
2	Oil Sand	768	770	OK	Best Sand
22	Sand	770	792	Water	
42	Sandy	792	834	Water	
26	Sand	834	860	Water	

CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

264548

TICKET NUMBER 44912
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-4-13	4015	Chase # 1-1	NW 33	17	21	FR

CUSTOMER: JTC Drilling Inc
MAILING ADDRESS: 35688 Plum Creek Rd
CITY: Osawatomie | STATE: KS | ZIP CODE: 66064

TRUCK #	DRIVER	TRUCK #	DRIVER
712	FreMad		
495	HalBec		
369	JasRic		
558	MatCoc		

JOB TYPE Longstring | HOLE SIZE | HOLE DEPTH ~~876~~ | CASING SIZE & WEIGHT 2⅞ EUE
CASING DEPTH 705' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 2½" Plug
DISPLACEMENT 4.1 BBL | DISPLACEMENT PSI | MIX PSI | RATE 5BPM

REMARKS: Held crew safety meeting. Establish pump rate. Mix & Pump 100# Gel flush. Mix & Pump 85 sks OWC cement ¼# Flo Seal/sk. Cement to Surface. Flush pump & lines clean. Displace 2½" Rubber plug to casing TD. Pressure to 800# PSI. Release pressure to set float valve. Shut in Casing.

Note: Held pressure on casing for 30 min MIT.

JTC Drilling

Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	15mi	MILEAGE	495		63.00
5402	705	Casing Footage			N/C
5407	½ Minimum	Ton Miles	558		184.00
5502C	1½hr	80 BBL Vac Truck	369		135.00
1126	85 sks	OWC Cement			1678.75
1118B	100#	Premium Gel			22.00
1107	23#	Flo Seal			56.81
4402	1	2½" Rubber Plug			25.50
			7.65%	SALES TAX	13C.71
				ESTIMATED TOTAL	3390.77

Completed

Ravin 3737

AUTHORIZTION _____ TITLE _____ DATE _____

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.