KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1139275

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34592
Name: Kansas Resource Exploration & Development, LLC
Address 1: 9393 W 110TH ST, STE 500
Address 2:
City: OVERLAND PARK State: KS Zip: 66210 + __ __ __ __
Contact Person: Bradley Kramer
Phone: (913) 669-2253
CONTRACTOR: License # 32834
Name: JTC Oil, Inc.
Wellsite Geologist: N/A
Purchaser: Coffeyville Resources

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

11/21/2012	11/28/2012	12/12/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-23938-00-00
Spot Description:
SW - NE - NW - NW Sec. 20 Twp. 14 S. R. 22 [x] East [ ] West
4664 Feet from [ ] North / [x] South Line of Section
4570 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Johnson
Lease Name: Guetterman Well #: KR-16
Field Name: Gardner South
Producing Formation: Bartlesville Sandstone
Elevation: Ground: 1023 Kelly Bushing: 0000
Total Depth: 940 Plug Back Total Depth: 905
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 906
feet depth to: 0 w/ 165 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 000000 ppm Fluid volume: 150 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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 05/16/2013

Side Two

[redacted]

1139275

Operator Name: Kansas Resource Exploration & Development, LLC Lease Name: Guetterman Well #: KR-16

Sec. 20 Twp. 14 S. R. 22 ☑ East ☐ West County: Johnson

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Gamma Ray
Neutron
CCL

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

Name	Top	Datum
Bartlesville	876'	147'

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	9.875	7	17	20	Portland	5	
Production	5.625	2.875	6.5	906	50/50 Poz	165	

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	-			
	-			

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
3	876.0' - 886.0' 31 Perfs	2" DML RTG	886.0'

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
1"	881'	N/A	☐ 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

CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 38943
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/28/12	4448	Guetterman # KR-16	NW 20	14	22	JO

CUSTOMER: Kansas Resource Exp + Dev
MAILING ADDRESS: 9393 W. 110th, Suite 500
CITY: Overland Park | STATE: KS | ZIP CODE: 66210

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Casken	✓	Safety Meeting
606	GaMen	✓	
510	Set Tuc	✓	
369	DerMas	✓	

JOB TYPE longstring | HOLE SIZE 6" | HOLE DEPTH 940' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 906' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 5.24 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 165 sks 50/50 Pozmix cement w/ 2% gel + ½ # Phenoseal per sk, cement to surface, flushed pump clean, pumped 2 2½" rubber plugs to casing TD w/ 5.24 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	30	MILEAGE		120.00
5402	906'	casing footage		—
5407	minimum	ton mileage		350.00
5502C	1.5 hrs	80 Vac		135.00
1124	165 sks	50/50 Pozmix cement		1806.75
1118B	377 #	Premium Gel		79.17
1107A	83 #	Phenoseal		107.07
4402	2	2½" rubber plugs		56.00
		7.5259%	SALES TAX	154.19
			ESTIMATED TOTAL	3838.18

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

RECEIVED DEC 14 2012

DRILL LOG

Operator License# 34592

Operator Kansas Resource Explora. & Dev.

Address 9393 W. 110th St., Ste. 500, OP, KS

Contractor JTC Oil, Inc.

Contractor License___32834

T.D. 940 T.D. of Pipe 906

Surf. Pipe Size_ 7" _Depth 20 ft.

Kind of Well____prod._____

API 15-091-23938-00-00

Lease Name Guetterman

Well # KR 16

Spud Date 11/21/2012 Cement

Location_____ of_____

_____ feet from _____

_____ feet from _____

County Johnson

Thickness	Strata	From	To	Thickness	Strata	From	To
10	dirt/clay	0	10	2	shale	145	147
15	shale	10	25	11	lime	147	168
1	lime	25	26	6	shale	168	174
4	shale	26	34	51	lime	174	225
2	lime	34	36	25	shale	225	250
17	shale	36	53	10	lime	250	260
18	lime	53	70	15	shale	260	275
2	shale	70	72	7	lime	275	282
18	lime	72	90	8	shale	282	290
6	shale	90	96	15	lime	290	305
11	lime	96	105	22	shale	305	327

9	shale	105	114	3	lime	327	330
14	lime	114	128	13	shale	330	343
7	shale	128	135	25	lime	343	368
10	sand/no oil	135	145	4	coal	368	372
				23	lime	372	395
				5	shale mix	395	400
				6	lime	400	406
				3	shale	406	409
				11	lime	409	420
				8	sand/no oil	420	428
				17	shale	428	445
				7	sand/no oil	445	452
				58	shale	452	520
				10	sand/no oil	520	530
				28	shale	530	558
				8	lime mix	558	566
				11	red shale mix	566	570
				8	lime mix	570	578
				12	shale	578	590
				5	lime	590	595
				6	shale	595	601
				2	shale mix	601	603

14	lime	603	617
8	sand/no oil	617	625
5	black shale	625	630
25	lime	630	655
10	red bed	655	665
4	shale	665	669
5	black shale	669	674
14	lime	674	688
12	sand/no oil	688	700
2	lime mix	700	702
19	sand/no oil	702	721
25	shale	721	746
11	little show oil	746	757
1	oil show	757	758
1	little	758	759
1	little sand oil	759	760
1	little	760	761
1	little sand/no oil	761	762
6	sand/shaley mix	762	768
22	shale	768	790
45	little mix	790	835
30	shale	835	865

11	lime mix	865	877
1	little sand oil show	877	878
1	good	878	879
1	good	879	880
1	good	880	881
1	very good	881	882
1	very good	882	883
1	very good	883	884
1	very good	884	885
1	very good	885	886
1	good	886	887
1	little	887	888
1	very little	888	889
1	sand & shale/no oil	889	890
15	sand shale/no oil	890	905
13	lime mix	905	918
22	shale mix	918	940