Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1191504

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 # 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) 451-6758
CONTRACTOR: License # 34223
Name: Utah Oil LLC
Wellsite Geologist: Bradley Kramer
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 #:

1/14/2014	1/15/2014	2/26/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-29799-00-00
Spot Description:
SW SW NE NE Sec. 6 Twp. 17 S. R. 22 ☑ East ☐ West
4125 Feet from ☐ North / ☑ South Line of Section
1155 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: Miami
Lease Name: Harbison Well #: KR-29
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1079 Kelly Bushing: 1079
Total Vertical Depth: 767 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 21 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: 0 ppm Fluid volume: 200 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:** 02/28/2014

[redacted] 1191504

Operator Name: Kansas Resource Exploration & Development, LLC Lease Name: Harbison Well #: KR-29

Sec. 6 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
(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 Ray/Neutron/CCL

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

Name	Top	Datum
Squirrel	661	-418

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	14	21.4	Portland	5	
Longstring	5.875	2.875	6.5	756.7	50/50 POZ	108	

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
3	661-669		
3	671-679		
3	681-689		

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

Date of First, Resumed Production, SWD or ENHR. 2/28/2014

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:
661
689

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

CONSOLIDATED
Oil Well Services, LLC

265492

TICKET NUMBER 42560
LOCATION Ottawa
FOREMAN Alan Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-17-14	4448	Harbison KR-29	NE 6	17	22	Mi

CUSTOMER: Kansas Resources E&D
MAILING ADDRESS: 9363 W 110th
CITY: Overland Park | STATE: KS | ZIP CODE: 66210

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Ala Mad	Safety	Meet
368	Der Mas		
675	Kei Det		
548	Mik Hag		

JOB TYPE long string | HOLE SIZE 5 7/8 | HOLE DEPTH 767 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 756.05 | DRILL PIPE | TUBING | OTHER 765
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING yes
DISPLACEMENT 4 1/4 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 4 bpm

REMARKS: Held meeting. Established rate down casing. Mixed and pumped 100# gel followed by 108 sk 50/50 cement plus 2% gel & 1/2# Phenoseal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.

Utah Ron

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368		1085.00
5406		MILEAGE	368		
5402	756.05	casing footage	368		184.00
5407	1/2 min	ton miles	548		135.00
5502C	1 1/2	80 vac	675		
1124	108 sk	50/50 cement			1242.00
1118B	281#	gel			61.82
1107A	54#	Phenoseal			72.90
4402	1	plug			29.50

completed

SALES TAX	107.58
ESTIMATED TOTAL	2917.80

Ravin 3737

AUTHORIZTION [signature] 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 fo

LEASE NAME Hall, Sec OPERATOR Utah oil START DATE 15Jan14
WELL # KR09 LOCATION Miami County API #
SURFACE PIPE: 7" @ 21'4" Cement (bags) 5
PRODUCTION: PIPE: used SIZE 2 7/8 @ FT 756.70 Baffle 725.95

Thickness	Formation	Comment	Depth
6	Soil		6
4	Lime		10
6	Sa'y clay		16
13	Lime		29
2	Shale		31
2	Lime		33
25	Shale		58
12	Lime		70
76	Shale		146
23	Lime		169
29	Shale		198
3	Lime		201
11	Shale		212
4	Lime		216
35	Shale		251
17	Lime		268
14	Shale		282
10	Lime		292
5	Shale		297
4	Lime		301
2	Shale		303
5	Lime		308
6	Shale		314
24	Lime		338
5	Shale		343
3	Lime		346
4	Shale		350
6	Lime		356
118	Shale		474
2	Broken Sand	Little Smell/Bleed	476
47	Shale		523
7	Lime		530
7	Shale		537
6	Lime		543
25	Shale		568

Thickness	Formation	Comment	Depth
6	Lime		574
12	Shale		586
4	Lime		590
5	Shale		595
2	Lime		597
4	Shale	Black	601
5	Shale		606
1	Lime		607
15	Shale	Every 4'	622
4	Lime		626
4	Shale	Limey	630
2	Lime		632
2	Shale	oil show	634
1	Shale	white	635
1	Shale	white	636
6	wht Shale	Little Sand	642
1	wht Shale	oil Sand CP	643
6	Shale		648
6	gray Sand		654
3	Broken Sand		657
1	oil Sand		658
1.5	Lime		659.5
1	oil Sand		660.5
3.5	Lost Core??		664
2	oil Sand	good bleed CP	666
3	Broken Sand		669
5	oil Sand		674
4	Broken Sand	washed out	678
5	Broken gray Sand	CP	683
2	oil Sand	good Bleed	685
1	Broken Sand		686
3	oil Sand		689
1.5	Broken Sand		690
23.5	Shale		714
4	Lime		718
49	Shale	TD	767

* 3 Cores *
* Baffle 30.75 *
Ronnie