



**APPLICATION FOR COMMINGLING OF PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)** *Commingling ID # \_\_\_\_\_*

OPERATOR: License # \_\_\_\_\_ API No. 15 - \_\_\_\_\_  
Name: \_\_\_\_\_ Spot Description: \_\_\_\_\_  
Address 1: \_\_\_\_\_ - - - - - Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
Address 2: \_\_\_\_\_ Feet from  North /  South Line of Section  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_ Feet from  East /  West Line of Section  
Contact Person: \_\_\_\_\_ County: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: \_\_\_\_\_ BOPD: \_\_\_\_\_ MCFPD: \_\_\_\_\_ BWPD: \_\_\_\_\_  
Formation: \_\_\_\_\_ BOPD: \_\_\_\_\_ MCFPD: \_\_\_\_\_ BWPD: \_\_\_\_\_  
Formation: \_\_\_\_\_ BOPD: \_\_\_\_\_ MCFPD: \_\_\_\_\_ BWPD: \_\_\_\_\_  
Formation: \_\_\_\_\_ BOPD: \_\_\_\_\_ MCFPD: \_\_\_\_\_ BWPD: \_\_\_\_\_  
Formation: \_\_\_\_\_ BOPD: \_\_\_\_\_ MCFPD: \_\_\_\_\_ BWPD: \_\_\_\_\_

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.

4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

**For Commingling of PRODUCTION ONLY, include the following:**

- 5. Wireline log of subject well. Previously Filed with ACO-1:  Yes  No
- 6. Complete Form ACO-1 (*Well Completion form*) for the subject well.

**For Commingling of FLUIDS ONLY, include the following:**

- 7. Well construction diagram of subject well.
- 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**AFFIDAVIT:** I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

**Submitted Electronically**

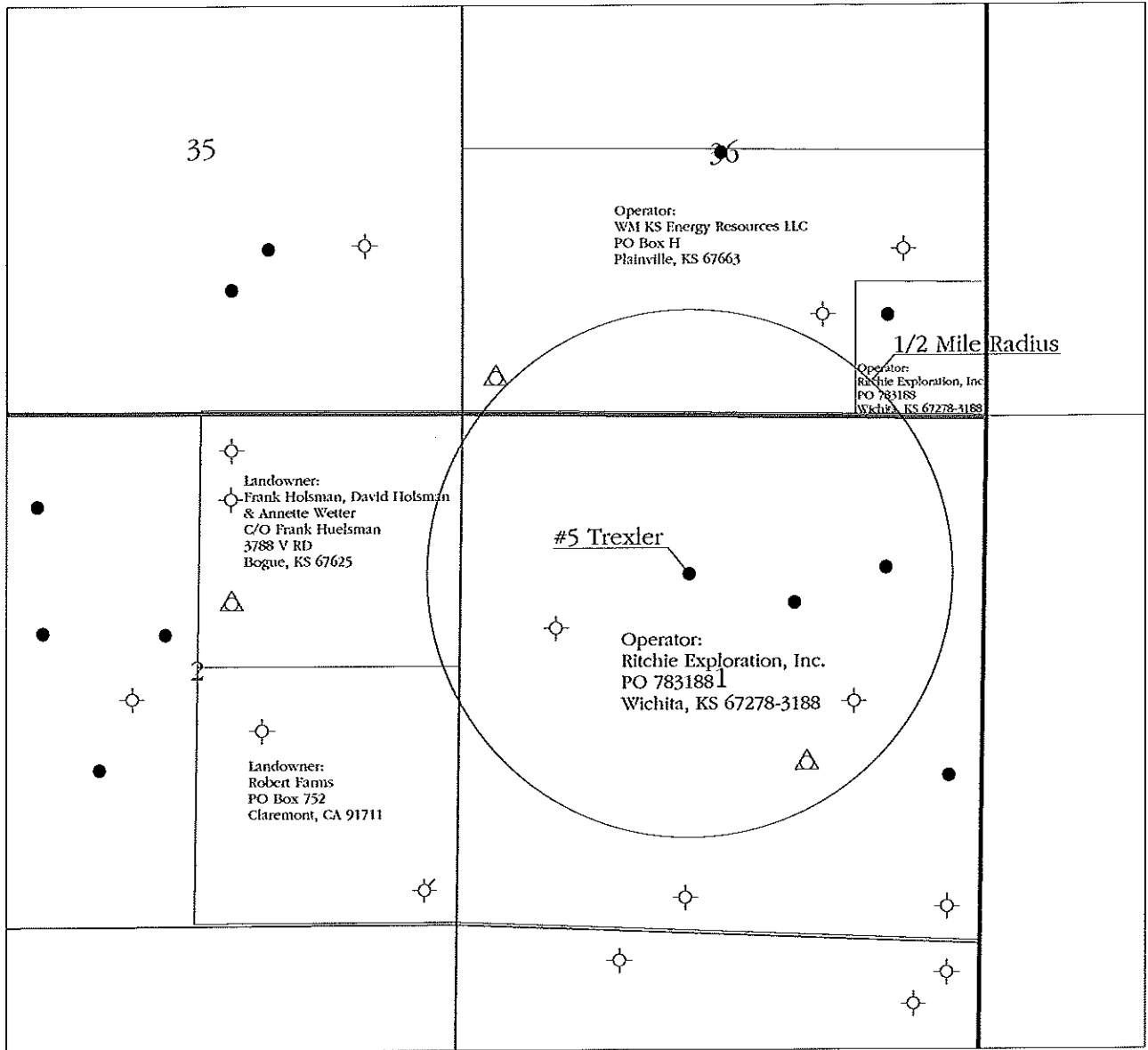
**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: \_\_\_\_\_  
Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

*Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.*

R 21 W


H 9 S

H 7 S



Legend

- Oil Well
- ⊙ Dry and Abandoned Well
- ⊙ Dry and Abandoned Well Completion Attempted
- △ Service Well



**RITCHIE**  
EXPLORATION, INC.  
Wichita, Kansas

Application for  
Commingle of  
Production or Fluids

Applicant Well: #5 Trexler  
All Wells on Offsetting Leases within 1/2 Mile Radius  
Name and Address of Lessee of Record or Operator on  
Offsetting Leases

Graham County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 20,500	Date: February 24, 2015

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

**Operator, Lessee or Unleased Mineral Owner  
within a ½ mile radius of Ritchie Exploration, Inc.'s**

**#5 Trexler  
3630' FSL & 2970' FEL  
Section 1-7S-21W  
Graham Co., KS**

## Township 6 South, Range 21 West

Sec. 36:	S/2, ex. SESE	WM KS Energy Resources LLC PO Box H Plainville, KS 67663	Operator: Parker #1
	SE/4SE/4	Ritchie Exploration, Inc. PO Box 783188 Wichita, KS 67278	Operator: #1 Don Billips Trust

## Township 7 South, Range 21 West

Sec. 1:	ALL	Ritchie Exploration, Inc.	Operator: #1 Trexler, #2 Trexler, #4 Trexler, #5 Trexler
Sec. 2:	NE/4	Frank Holsman, David Holsman & Annette Wetter C/o Frank Huelsman 3788 V RD Bogue, KS 67625	Landowners
	SE/4	Robert Farms PO Box 752 Claremont, CA 91711	Landowner

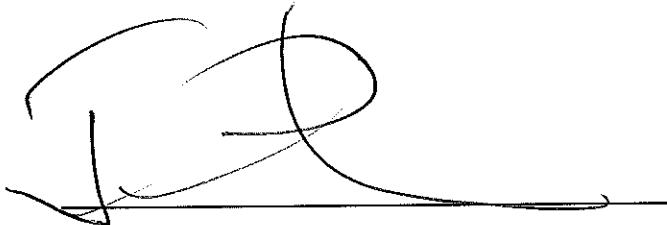
**AFFIDAVIT**

STATE OF KANSAS        )  
                                  - SS.  
County of Sedgwick        )

John Niernberger, of lawful age, being first duly sworn, deposeth and saith: That he is Production Manager of Ritchie Exploration, County of Sedgwick, State of Kansas, and that notice was given to all lessee of record or operator within ½ mile radius of the Trexler #5 well located in the County of Graham (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on February 25, 2015.


made as aforesaid on the 25<sup>th</sup> of  
**February A.D. 2015**

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.



Subscribed and sworn to before me this

25<sup>th</sup> day of February 2015

  
Notary Public Sedgwick County, Kansas



**AFFIDAVIT OF PUBLICATION**  
**State of Kansas, County of Graham, ss:**

JIM LOGBACK, of lawful age, being duly sworn, upon oath states that he is publisher of THE HILL CITY TIMES;

THAT said newspaper has been published weekly at least fifty (50) times a year and has been published at least five (5) years in Graham County, Kansas prior to the first publication of the attached notice;

THAT said newspaper has a general PAID circulation in GRAHAM COUNTY, KANSAS, and is NOT a trade, religious or fraternal publication.

THAT said newspaper is PRINTED IN KANSAS and PUBLISHED in GRAHAM COUNTY, KANSAS, and entered as second class mail matter at the post office of its publication in HILL CITY, KANSAS;

THAT, a notice of which the attached is a true and correct copy, was published in a regular issue of said newspaper for 1 consecutive weeks commencing with the issue of March 4, 2015

Publication Fee ..... \$ 22.55

Affidavits @ 75¢ .. \$ \_\_\_\_\_

Extra Copies @ 50¢ \$ \_\_\_\_\_

TOTAL LEGAL FEE ..... \$ 22.55

Jim Logback  
 SUBSCRIBED and sworn  
 to before me this 4th  
 day of March  
2015  
Anna J. Elliott

Commission expires KSA 53 507  
 Clerk of the District Court, Notary Public  
 Graham County



shall be filed pursuant to Commission regulations and must state specific reasons why the grant of the application may cause waste, violate correlative rights or pollute the natural resources of the state of Kansas. If no protests are received, this application may be granted through a summary proceeding. If valid protests are received, this matter will be set for hearing.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

RTICHIIE EXPLORATION, INC.  
 P. O. Box 783188  
 Wichita, KS 67278-3188  
 (316) 691-9500

36-1

First Published in The Hill City Times  
 Wednesday, March 4, 2015.

**LEGAL NOTICE**

You and each of you, are hereby notified that Ritchie Exploration, Inc. has filed an application to commence the commingling of production from the Toronto and Lansing-Kansas City sources of supply for the #5 Trexler well located approx. NE SE NW of Section 1-7S-21W, Graham County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protests with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of the publication. These protests

**AFFIDAVIT**

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 2<sup>nd</sup> of

March A.D. 2015, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

*Mark Fletchall*

Subscribed and sworn to before me this

2<sup>nd</sup> day of March, 2015



*Rachel M. Wilson*

Notary Public Sedgwick County, Kansas

Printers Fee: \$125.60

**LEGAL PUBLICATION**  
Published in the Wichita Eagle  
March 2, 2015 (3339543)  
**LEGAL NOTICE**  
You, and each of you, are hereby notified that Ritchie Exploration, Inc. has filed an application to commence the commingling of production from the Toronto and Lansing-Kansas City sources of supply for the #5 Trexler well located approx. NE SE NW of Section 1-75-21W, Graham County, Kansas. Any persons who object to or protest this application shall be required to file their objections or protests with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of the publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why the grant of the application may cause waste, violate correlative rights or pollute the natural resources of the state of Kansas. If no protests are received, this application may be granted through a summary proceeding. If valid protests are received, this matter will be set for hearing. All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.  
RITCHIE EXPLORATION, INC.  
P.O. Box 783188  
Wichita, KS 67278-3188  
(316) 691-9500



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1172769  
OIL & GAS CONSERVATION DIVISION

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 # 4767

Name: Ritchie Exploration, Inc.

Address 1: 8100 E 22ND ST N # 700

Address 2: BOX 783188

City: WICHITA State: KS Zip: 67278 + 3188

Contact Person: Peter Florini

Phone: ( 316 ) 691-9500

CONTRACTOR: License # 33771

Name: Ultimate Well Service, LLC

Wellsite Geologist: Peter Florini

Purchaser: NCRA

Designate Type of Completion:

- New Well
- Re-Entry
- Workover
- Oil
- WSW
- SWD
- SLOW
- 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: Ritchie Exploration, Inc.

Well Name: Trexler #5

Original Comp. Date: 4/27/1988 Original Total Depth: 3660

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

- Commingled
- Dual Completion
- SWD
- ENHR
- GSW
- Permit #: \_\_\_\_\_
- Permit #: \_\_\_\_\_
- Permit #: \_\_\_\_\_
- Permit #: \_\_\_\_\_
- Permit #: \_\_\_\_\_

10/24/2013      10/24/2013      10/29/2013

Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 15-065-22447-00-01

Spot Description: \_\_\_\_\_

NE SE NW Sec. 1 Twp. 7 S. R. 21  East  West

3630 Feet from  North /  South Line of Section

2970 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: Graham

Lease Name: TREXLER Well #: 5

Field Name: Lesage Northwest

Producing Formation: Toronto, LKC

Elevation: Ground: 2143 Kelly Bushing: 2148

Total Vertical Depth: 3660 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 221 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1736 Feet

If Alternate II completion, cement circulated from: 1736

feet depth to: 0 w/ 250 sx cmt.

### Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: 12/16/2013

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: NAOMI JAMES Date: 12/17/2013



1172769

Operator Name: Ritchie Exploration, Inc. Lease Name: TREXLER Well #: 5  
 Sec. 1 Twp. 7 S. R. 21  East  West County: Graham

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, lime 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1748	+400
Electric Log Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/Anhydrite	1779	+369
List All E. Logs Run:		Topeka	3142	-994
		Heabner	3350	-1202
		Toronto	3371	-1223
		Lansing	3383	-1235
		B/KC	3579	-1431

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12.25	8.625	23	221	60/40 poz	165	2% gel, 3% cc
Production	7.875	4.5	10.5	3654	60/40 poz	125	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3511-3513	500 Gals, 15% NE	

TUBING RECORD: Size: 2.875 Set At: 3578 Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. 10/29/2013  
 Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls. <u>3.34</u>	Gas Mcf	Water Bbls. <u>19.83</u>	Gas-Oil Ratio	Gravity <u>37</u>
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair  
Jay Scott Emler, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

March 19, 2015

John Niernberger  
Ritchie Exploration, Inc.  
P.O. Box 783188  
Wichita, KS 67278-3188

RE: Approved Commingling CO031504  
Trexler 5  
API No. 15-065-22447-00-01

Dear Mr. Niernberger:

Your Application for Commingling (ACO-4) for the above described well has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the LKC formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Sincerely,

Rick Hestermann  
Production Department