



**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.*



**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: John Niernberger  
Phone: (316) 691-9500  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Max Lovely  
Purchaser: NCRA

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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

02/18/2013	03/06/2013	03/06/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-22085-00-00  
Spot Description: 20'S & 90'E of  
SW NW NE NE Sec. 30 Twp. 13 S. R. 31  East  West  
350 Feet from  North /  South Line of Section  
1230 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Gove  
Lease Name: Joseph Well #: 3  
Field Name: \_\_\_\_\_  
Producing Formation: Marmaton, Myrick, Fort Scott & Johnson  
Elevation: Ground: 2894 Kelly Bushing: 2899  
Total Depth: 4655 Plug Back Total Depth: 4623  
Amount of Surface Pipe Set and Cemented at: 219 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2345 Feet  
If Alternate II completion, cement circulated from: 0  
feet depth to: 2345 w/ 420 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 9000 ppm Fluid volume: 815 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: 06/06/2013  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NAOMI JAMES Date: 06/07/2013



1140874

Operator Name: Ritchie Exploration, Inc. Lease Name: Joseph Well #: 3  
 Sec. 30 Twp. 13 S. R. 31  East  West County: Gove

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  See Attached
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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	8.63	23	219	Common	165	3% cc, 2% gel
Production	7.88	5.5	15.5	4640	ASC	205	10% sa't, 2% gel, 5#/sx g'sonite

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	4500' -4504' (4/19/13)	500 gals 15% NE	
4	4426-4430,4415-4419,4409-4413 (4/19/13)	750 gals 15% NE	
4	4266' - 4270' (4/19/13)	500 gals 15% NE	

TUBING RECORD: Size: <u>2.38</u> Set At: <u>4567'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>05/07/2013</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>8.35</u> Gas Mcf <u> </u> Water Bbls. <u>3.62</u> Gas-Oil Ratio <u> </u> Gravity <u>31</u>

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 type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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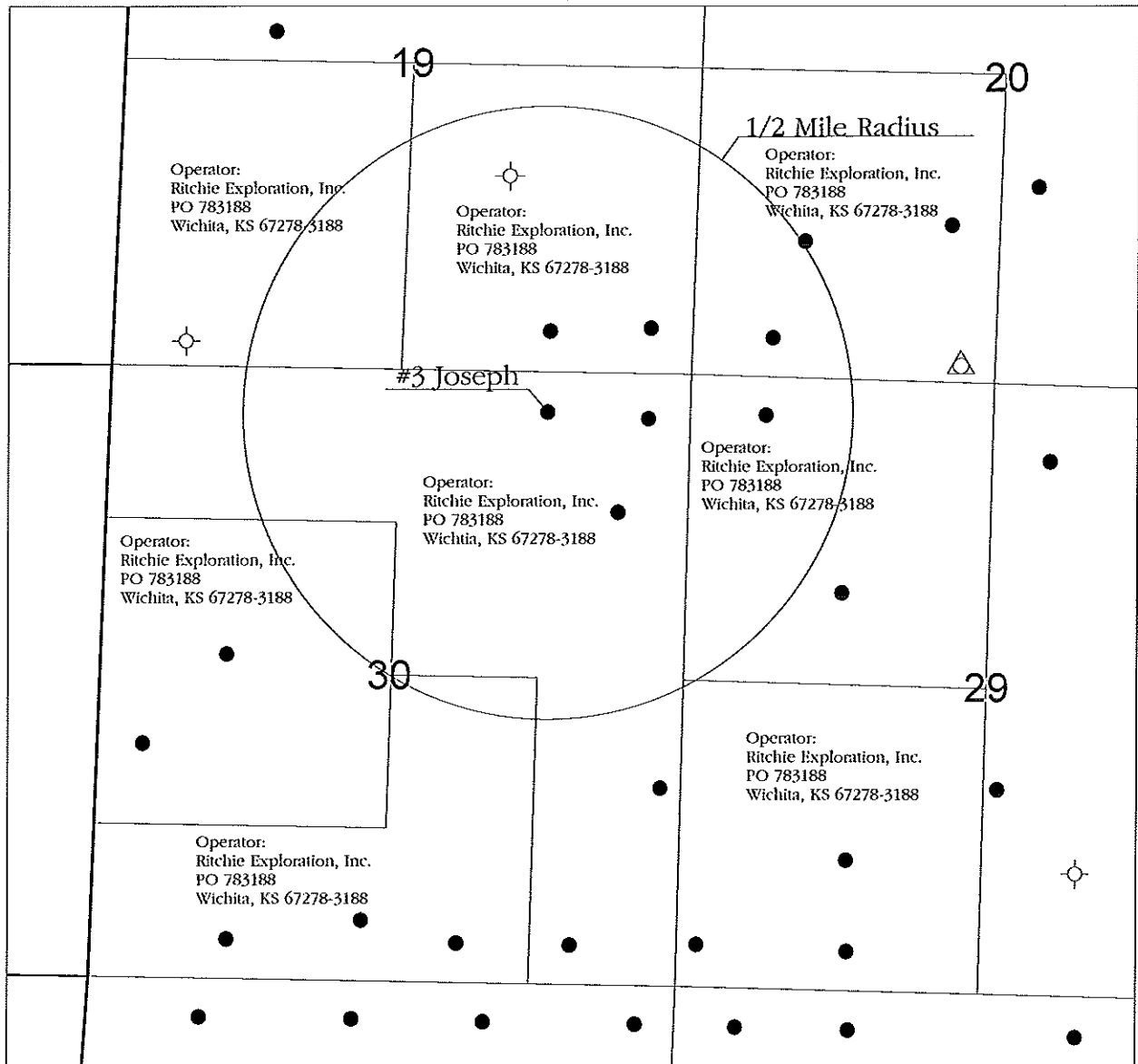


**#3 Joseph**  
 350' FNL & 1230' FEL  
 20'S & 90'E of N/2 N/2 NE Section 30-13S-31W  
 Gove County, Kansas  
 API# 15-063-22085-0000  
 Elevation: 2894' GL, 2899' KB

Sample Tops			Ref. Well
Anhydrite	2378'	+522	-4
B/Anhydrite	2400'	+499	-5
Heebner	3887'	-988	-4
Toronto	3912'	-1013	-6
Lansing	3933'	-1034	-6
Muncie Shale	4083'	-1184	-7
LKC "H"	4095'	-1196	+2
Stark Shale	4168'	-1269	-6
Hush. Shale	4204'	-1305	-2
BKC	4243'	-1344	-4
Marmaton	4262'	-1363	-3
Altamont	4279'	-1380	-3
Pawnee	4363'	-1464	-1
Myrick	4400'	-1501	-1
Fort Scott	4418'	-1519	-2
Cherokee Shale	4449'	-1550	-3
Johnson	4490'	-1591	-2
Mississippian	4531'	-1632	-5
RTD	4655'	-1756	

R 31 W

T  
13  
S



- Legend**
- Oil Well
  - △ Service Well
  - ⊙ Dry and Abandoned Well

 <p><b>RITCHIE</b> EXPLORATION, INC. Wichita, Kansas</p>	<p><b>Application for Commingling of Production or Fluids</b></p>	
<p>Applicant Well: #3 Joseph All Wells on Offsetting Leases within 1/2 Mile Radius Name and Addresses of Offsetting Operator, Lessee, or Mineral Owner within 1/2 Mile Radius</p>		
<p><b>Gove County, Kansas</b></p>		
<p>Prepared By: Justin Clegg</p>	<p>Scale: 1 : 18,000</p>	<p>Date: March 24, 2015</p>

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#3 Joseph  
350' FNL & 1230' FEL  
Section 30-13S-31W  
Gove Co., KS**

## Township 13 South, Range 31 West

Sec. 19: SW/4	Ritchie Exploration, Inc. PO 783188 Wichita, KS 67278-3188	Operator: #1 Campbell 19ABC
SE/4	Ritchie Exploration, Inc.	Operator: #1 Phillips 19D, #3 Phillips 19D
Sec. 20: SW/4	Ritchie Exploration, Inc.	Operator: #1 Phillips 20C, #2 Phillips 20C, #3 Phillips 20C, #1 Phillips SWD
Sec. 29: NW/4	Ritchie Exploration, Inc.	Operator: #1 Hess 29B, #2 Hess 29B
SW/4	Ritchie Exploration, Inc.	Operator: #1 Hess 29C, #2 Hess 29C, #1 Hess-Joseph, #1 Joseph-Hess, #1 Hess 29CD Unit
Sec. 30: NE/4; N/2NW/4; E/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Joseph, #2 Joseph, #3 Joseph, #4 Joseph, #1 Joseph-Hess, #1 Hess-Joseph
S/2NW/4; N/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Stieben 30BC, #2 Stieben 30BC
W/2SE/4; S/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Joseph 30CD, #2 Joseph 30CD, #3 Joseph 30CD

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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Within a ½ mile radius of Ritchie Exploration, Inc.'s**

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Sec. 30: NE/4; N/2NW/4; E/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Joseph, #2 Joseph, #3 Joseph, #4 Joseph, #1 Joseph-Hess, #1 Hess-Joseph
S/2NW/4; N/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Stieben 30BC, #2 Stieben 30BC
W/2SE/4; S/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Joseph 30CD, #2 Joseph 30CD, #3 Joseph 30CD

**AFFIDAVIT**

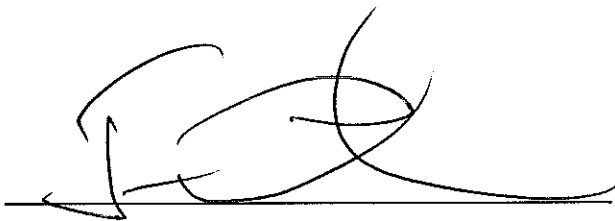
STATE OF KANSAS            )  
  - SS.  
County of Sedgwick         )

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 Joseph #3 well located in the County of Gove (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on March 25, 2015.

made as aforesaid on the 25<sup>th</sup> of

**March A.D. 2015**

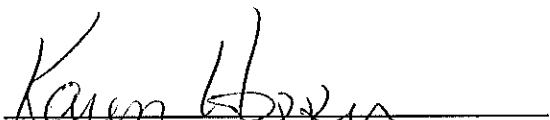
And affiant further says that he has personal knowledge of the statements above set forth and that they are true.



Subscribed and sworn to before me this

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



  
Notary Public Sedgwick County, Kansas



3343597AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, depose 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 and 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 2nd of

April 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

2nd day of April, 2015



[Signature]

Notary Public Sedgwick County, Kansas

Printers Fee: \$125.60

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
APRIL 2, 2015 (3343761)
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 Marmalon, Myrick, Fort Scott, and Johnson sources of supply for the #3 Joseph well located approx. N2 N2 NE of Section 30-13S-31W, Gove 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

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

Roxanne Broeckelman,  
being first duly sworn, deposes and  
says: That she is  
co-publisher of

**Gove County Advocate**, a weekly  
newspaper printed in the State of  
Kansas, and published in and of  
general circulation in Gove County,  
Kansas, with a general paid  
circulation on a weekly basis in  
Gove County, Kansas, and that said  
newspaper is not a trade, religious  
or fraternal publication.

Said newspaper is a weekly  
published at least 50 times a year;  
and has been so published  
continuously and uninterruptedly in  
said county and state for a period of  
more than five years prior to the first  
publication of said notice; and has  
been admitted at the post office in  
Quinter in said county as periodical  
class mail matter.

That the attached notice is a true  
copy thereof and was published in  
the regular and entire issue of said  
newspaper for one  
consecutive week(s), the first  
publication thereof being made as  
aforesaid on the 8th day  
of April, 2015,  
with subsequent publications being  
made on the following dates:

\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_

Printer's Fee ..... \$ 17.60  
Additional Copies .... \$ \_\_\_\_\_  
Affidavit Fees ..... \$ 2.00  
Total Publication Fees \$ 19.60

*Roxanne Broeckelman*

Subscribed and sworn to before me  
this 8th day of  
April, 2015

*Linda L. Zerr*  
Notary Public

My commission expires:  
January 8, 2017

**LEGAL ADVERTISING**  
(Published in the Gove County Advocate, Quinter,  
KS, Wed., April 8, 2015 - 1)

**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 Marmaton, Myrick, Fort Scott and Johnson  
sources of supply for the #3 Joseph well located  
approx. N2 N2 NE of Section 30-13S-31W, Gove  
County, Kansas.

Any persons who object to or protest this ap-  
plication 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 pur-  
suant to Commission regulations and must state  
specific reasons why the grant of the application  
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lute the natural resources of the state of Kansas.  
If no protests are received, this application may  
be granted through a summary proceeding. If  
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for hearing.

All persons interested or concerned shall take  
notice of the foregoing and shall govern them-  
selves accordingly.

**RITCHIE EXPLORATION, INC.**  
P.O. Box 783188  
Wichita, KS 67278-3188  
(316) 691-8500

LINDA L. ZERR  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 1-8-2017

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

April 23, 2015

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

RE: Approved Commingling CO041507  
Joseph 3  
API No. 15-063-22085-00-00

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 Johnson formation perforations, total oil production shall not exceed 200 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Sincerely,

Rick Hestermann  
Production Department