

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF  
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # COO11209

OPERATOR: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 1: P.O. Box 783188  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67278 + 3188  
Contact Person: John Niernberger  
Phone: (316) 691-9500

API No. 15 - 063-21822 - 00-00  
Spot Description: \_\_\_\_\_  
Approx. E/2 E/2 SW Sec. 20 Twp. 13 S. R. 31  East  West  
1,350 Feet from  North /  South Line of Section  
2,210 Feet from  East /  West Line of Section  
County: Gove  
Lease Name: Phillips 20C Well #: 2

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: Johnson (Perfs): 4868.5' - 4473'  
Formation: LKC (Perfs): 4073.5' - 4078'  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_  
Formation: \_\_\_\_\_ (Perfs): \_\_\_\_\_

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: Johnson BOPD: 7.92 MCFPD: \_\_\_\_\_ BWPD: 1.51  
Formation: LKC BOPD: 20.58 MCFPD: \_\_\_\_\_ BWPD: 3.89  
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.

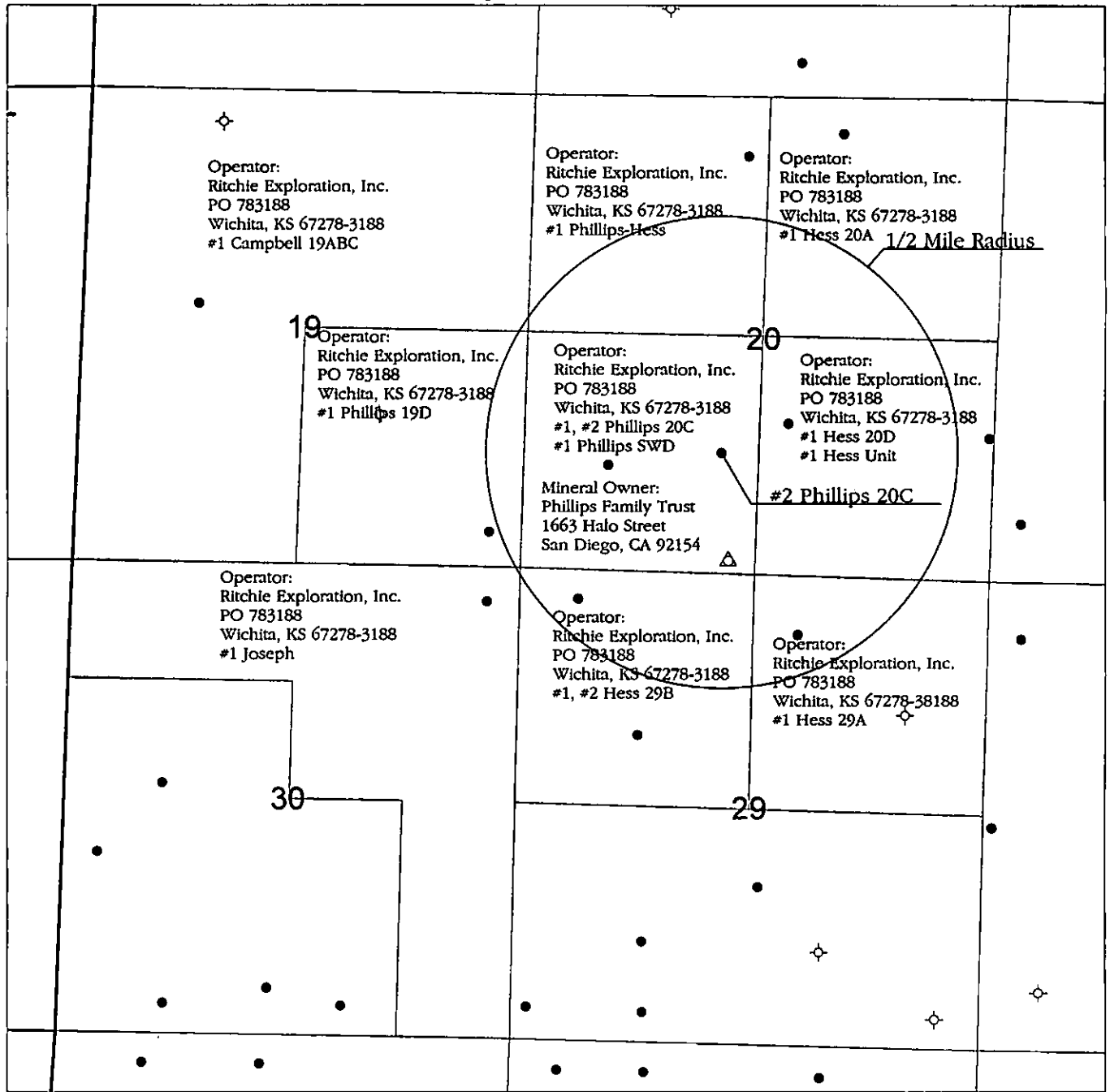
AFFIDAVIT: I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Signature: [Signature]  
Printed Name: John Niernberger  
Title: Production Manager

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**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: 2/4/2012  
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.




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Legend

- Oil Well
- ◊ Dry and Abandoned Well
- △ Service Well



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

**Application for  
Commingling of  
Production of Fluids**

Applicant Well: #2 Phillips 20C  
All leases within 1/2 Mile Radius  
All Wells on Offsetting Leases  
Name and Address of Lessee of Record and or Mineral  
Owner on Offsetting Leases

Gove County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 21,000	Date: December 2, 2011

**APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS**

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

**#2 Phillips 20C  
1350'FSI 2210'FWL  
Section 20-13S-31W  
Gove County, Kansas**

**Gove County, Kansas**

**Township 13 South, Range 31 West**

Section 19:	N/2, SW/4	Ritchie Exploration, Inc. PO Box 783188 Wichita, KS 67278-3188	Operator: #1 Campbell 19ABC
	SE/4	Ritchie Exploration, Inc.	Operator: #1 Phillips 19D
Section 20:	NE/4	Ritchie Exploration, Inc.	Operator: #1 Hess 20A
	NW/4	Ritchie Exploration, Inc.	Operator: #1 Phillips-Hess
	SW/4	Ritchie Exploration, Inc.  Mineral Owner: Phillips Family Trust 1663 Halo Street San Diego, CA 92154	Operator: #1, #2 Phillips 20C, #1 Phillips SWD
	SE/4	Ritchie Exploration, Inc.	Operator: #1 Hess 20D, #1 Hess Unit
Section 29:	NE/4	Ritchie Exploration, Inc.	Operator: #1 Hess 29A,
	NW/4	Ritchie Exploration, Inc.	Operator: #1, #2 Hess 29B
Section 30:	N/2NW, NE/4,E/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Joseph

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**AFFIDAVIT**

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 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

3158689

made as aforesaid on the 14th of

December A.D. 2011, 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

14th day of December, 2011

Notary Public Sedgwick County, Kansas

Printer's Fee : \$91.60

**LEGAL PUBLICATION**  
 PUBLISHED IN THE WICHITA EAGLE  
 DECEMBER 14, 2011 (3158689)  
**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 Johnson and Lansing-Kansas City sources of supply for the #2 Phillips 20C well located approx. E/2 E/2 SW of Section 20-13S-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

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JAN 20 2012  
KCC WICHITA

**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 11th day of January, 2012, with subsequent publications being made on the following dates:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Printer's Fee .....\$ 1870  
Additional Copies .....\$ \_\_\_\_\_  
Affidavit Fees .....\$ 200  
Total Publication Fees ..\$ 2070

*Roxanne Broeckelman*

Subscribed and sworn to before me  
this 11th day of  
January, 2012

*Linda L. Zerr*  
Notary Public

My commission expires:  
January 8, 2013

**LEGAL ADVERTISING**  
(Published in the Gove County Advocate,  
Quinter, KS, Wed., January 11, 2012 - 11)

**LEGAL NOTICE**

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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

**LINDA L. ZERR**  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 1-8-2013

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KCC WICHITA



January 19, 2012

Kansas Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

RE: Phillips 20C #2  
approx. E/2 E/2 SW  
Sec. 20-13S-31W  
Gove County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-4 for the above referenced well along with all the required attachments. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or John Niernberger at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

  
Karen Hopper  
Production Assistant

Enclosures

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KCC WICHITA

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



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

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 7, 2012

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

RE: Approved Commingling CO011209  
Phillips 20C #2, Sec. 20-T13S-R31W, Gove County  
API No. 15-063-21822-00-00

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. This application, which was received by the KCC on January 20, 2012, concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

Source of Supply	Estimated Current Production			Perf Depth
	BOPD	MCFPD	BWPD	
Johnson	7.92	0	1.51	4468.5-4473
LKC	20.58	0	3.89	4073.5-4078
Total Estimated Current Production	28.50	0.0	5.40	

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).

Commingling ID number CO011209 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann  
Production Department