



**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.

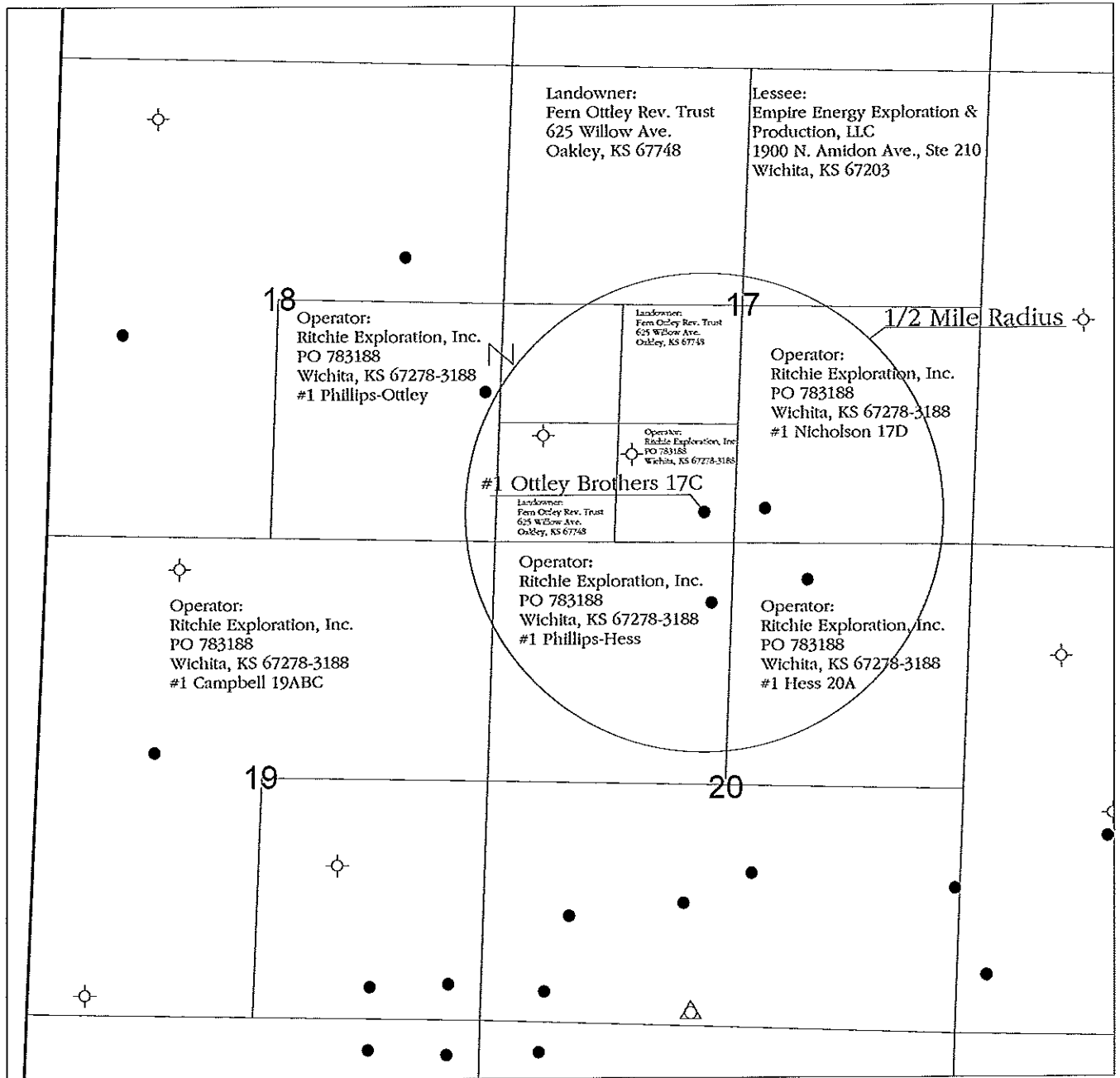
**Submitted Electronically**

**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 31 W

T  
13  
S



**Legend**

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



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

**Application for  
Commingling of  
Production or Fluids**

**Applicant Well: #1 Ottley Brothers 17C**  
**All Wells on Offsetting Leases within 1/2 Mile Radius**  
**Name and Address of Lessee of Record or Operator**  
**On Offsetting Leases**

Gove County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 21,000	Date: June 19, 2014

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#1 Ottley Brothers 17C  
335' FSL & 2298' FWL  
Section 17-13S-31W  
Gove Co., KS**

## Township 13 South, Range 31 West

Sec. 17:	NW/4	Fern Ottley Revocable Trust 625 Willow Ave. Oakley, KS 67748	Landowner
	NE/4	Empire Energy Exploration & Production, LLC 1900 N. Amidon Ave., Ste 210 Wichita, KS 67203	Lessee
	SE/4	Ritchie Exploration, Inc. P.O. Box 783188 Wichita, KS 67278-3188	Operator: #1 Nickelson 17D
	SE/4SW/4	Ritchie Exploration, Inc.	Operator: #1 Ottley Brothers 17C
	NW/4SW/4	Ritchie Exploration, Inc.	Operator: #1 Phillips-Ottley
	NE/4SW/4, SW/4SW/4	Fern Ottley Revocable Trust	Landowner
Sec. 18:	SE/4	Ritchie Explroation, Inc.	Operator: #1 Phillips-Ottley
Sec. 19:	N/2, SW/4	Ritchie Exploration, Inc.	Operator: #1 Campbell 19ABC
Sec. 20:	NW/4	Ritchie Exploration, Inc.	Operator: #1 Phillips-Hess
	NE/4	Ritchie Exploration, Inc.	Operator: #1 Phillips-Hess, #1 Hess 20A

**AFFIDAVIT**

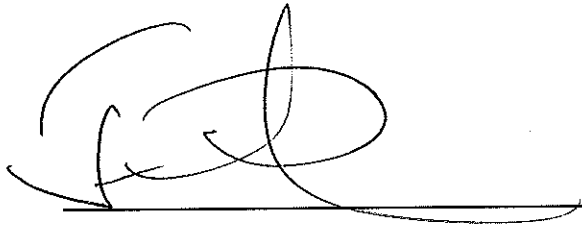
STATE OF KANSAS        )  
                                      - SS.  
County of Sedgwick        )

John Niernberger, of lawful age, being first duly sworn, deposes 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 Ottley Brothers 17C #1 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 June 24, 2014.

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

**June A.D. 2014**

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



A handwritten signature in black ink, appearing to read 'John Niernberger', is written over a horizontal line.

Subscribed and sworn to before me this

**25<sup>th</sup> day of June 2014**

\_\_\_\_\_  
**Notary Public Sedgwick County, Kansas**

**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 2nd day  
of July, 2014,  
with subsequent publications being  
made on the following dates:

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

Printer's Fee .....\$ 18.15  
Additional Copies .....\$ \_\_\_\_\_  
Affidavit Fees .....\$ 2.00  
Total Publication Fees \$ 20.15

Roxanne Broeckelman

Subscribed and sworn to before me  
this 2nd day of  
July, 2014

Linda L. Zerr  
Notary Public

My commission expires:  
January 8, 2017

**LEGAL ADVERTISING**  
(Published in the Gove County Advocate,  
Quinter, KS, Wed., July 2, 2014 - 11)  
**LEGAL NOTICE**  
You, and each of you, are hereby notified  
that Ritchie Exploration, Inc. has filed an appli-  
cation to commence the commingling of pro-  
duction from the Cherokee and Johnson  
sources of supply for the #1 Ottley Brothers  
17C well located approx. NW SE SE SW of  
Section 17-13S-31W, Gove County, Kansas.  
Any persons who object to or protest this  
application shall be required to file their objec-  
tions 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 cor-  
relative rights or pollute the natural resources of  
the state of Kansas.  
If no protests are received, this application  
may be granted through a summary proceed-  
ing. 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

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

**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 **28th**

**June** A.D. **2014**, 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

**30th day of June, 2014**

JENNIFER RAE BAILEY  
Notary Public - State of Kansas  
My Appt. Expires *06/2017*

*JRB*  
Notary Public Sedgwick County, Kansas

Printer's Fee : **\$210.60**

**230 Legal Notices**  
**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 Cherokee and Johnson sources of supply for the #1 Oilley Brothers 17C well located approx. NW SE SE SW of Section 17-135-31W, 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





1092346

Operator Name: Ritchie Exploration, Inc. Lease Name: Ottley Brothers 17C Well #: 1

Sec. 17 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:  Compensated Neutron/Density Log Dual Induction Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum   See Attached
---	---

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	213	Common	175	3% cc, 2% gel
Production	7.875	4.5	10.5	4691	ASC	225	10% sa't, 2% gel, 5#/sx g/son'te

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				

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	4552.5' - 4558.5' (6/26)	500 gals 15% NE	
4	4526'-4532', 4513'-4519' (6/28)	750 gals 15% NE	

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>4635</u>	Packer At: <u> </u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------	--------------------	---------------------	---------------------	--

Date of First, Resumed Production, SWD or ENHR. <u>7/20/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> <u> </u>
---	--

Estimated Production Per 24 Hours	Oil Bbls. <u>16.70</u>	Gas Mcf	Water Bbls. <u>9.39</u>	Gas-Oil Ratio	Gravity <u>29</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-6)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
---	--	--





**#1 Ottley Brothers 17C**  
335' FSL & 2298' FWL  
5' N & 12' W of SE SE SW Section 17-13S-31W  
Gove County, Kansas  
API# 15-063-21988-0000  
Elevation: 2928' GL, 2938' KB

Sample Tops			Ref. Well
Anhydrite	2420'	+518	-1
B/Anhydrite	2444'	+494	-2
Heebner	3930'	-992	-1
Toronto	3959'	-1021	-1
Lansing	3976'	-1038	-2
Muncie Shale	4126'	-1188	-6
LKC "H"	4137'	-1199	-4
Stark Shale	4210'	-1272	-8
Hush	4246'	-1308	-8
BKC	4282'	-1344	-6
Marmaton	4311'	-1373	-5
Altamont	4340'	-1402	-8
Pawnee	4415'	-1477	-9
Myrick	4456'	-1518	-15
Fort Scott	4476'	-1538	-16
Cherokee Shale	4502'	-1564	-15
Johnson	4544'	-1606	-14
Morrow	4577'	-1639	-18
Mississippian	4606'	-1668	-31
RTD	4700'	-1762	

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/>

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

Sam Brownback, Governor

July 17, 2014

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

RE: Approved Commingling CO071401  
Ottley Brothers 17C 1  
API No. 15-063-21988-00-00

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