



**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**

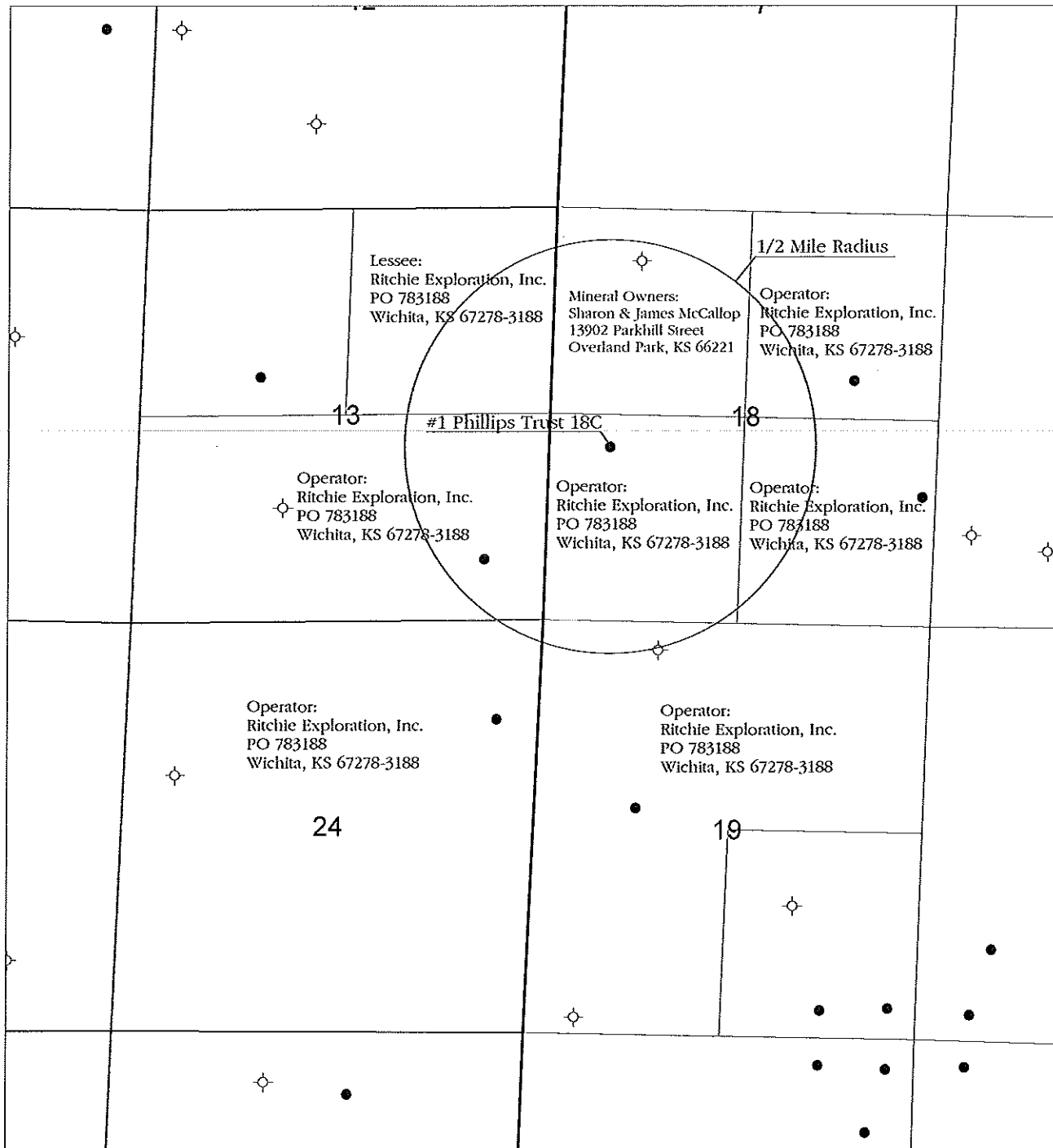
**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: \_\_\_\_\_  
Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

*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 32 W

R 31 W

T  
13  
S



- Legend**
- Oil 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><b>Applicant Well: #1 Phillips Trust 18C</b> All Wells on Offsetting Leases within 1/2 Mile Radius Name and Address of Lessee of Record or Operator On Offsetting Leases</p>		
<p><b>Logan / Gove County, Kansas</b></p>		
Prepared By: Justin Clegg	Scale: 1 : 24,000	Date: June 23, 2015

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#1 Phillips Trust 18C  
2215' FSL & 780' FWL  
Section 18-13S-31W  
Gove Co., KS**

**Township 13 South, Range 31 West  
*Gove County, Kansas***

Sec. 18:	NE/4	Ritchie Exploration, Inc. P.O. Box 783188 Wichita, KS 67278-3188	Operator: #1 Wray 18A
	NW/4	Sharon & James McCallop 13902 Parkhill Street Overland Park, KS 66221	Mineral Owners
	SW/4	Ritchie Exploration, Inc.	Operator: #1 Phillips Trust 18C
	SE/4	Ritchie Exploration, Inc.	Operator: #1 Phillips-Ottley
Sec. 19:	N/2, SW/4	Ritchie Exploration, Inc.	Operator: #1 Campbell 19ABC

**Township 13 South, Range 32 West  
*Logan County, Kansas***

Sec. 13:	NE/4	Ritchie Exploration, Inc.	Lessee
	S/2	Ritchie Exploration, Inc.	Operator: #2 Eaton 13CD
Sec. 24:	ALL	Ritchie Exploration, Inc.	Operator: #1 Eaton Trust

**AFFIDAVIT**

STATE OF KANSAS            )  
  - SS.  
County of Sedgwick         )

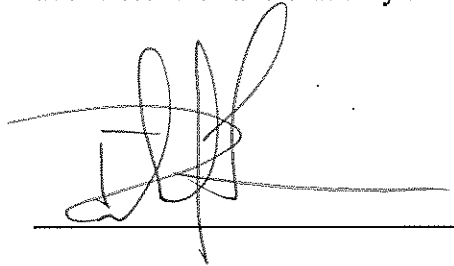
Peter Fiorini, of lawful age, being first duly sworn, deposeth and saith: That he is Development/Production Geologist of Ritchie Exploration, County of Sedgwick, State of Kansas, and that notice was given to all lessee of record or operator within ½ mile radius of the Phillips Trust 18C #1 well located in the County of Gove (see attached plat map). This notice included an application for Commingling of Production (ACO-4) and a letter. All notices were mailed on June 24, 2015.

made as aforesaid on the 24<sup>th</sup> of

**June 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

**24<sup>th</sup> day of June 2015**

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

**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  29<sup>th</sup>  of

June  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

29<sup>th</sup>  day of  June ,  2015



*Rachel M. Wilson*

Notary Public Sedgwick County, Kansas

Printers Fee:  \$125.60

**LEGAL PUBLICATION**  
Published in The Wichita Eagle  
June 29, 2015 (3354530)  
**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 Lansing-Kansas City and Johnson sources of supply for the #1 Phillips Trust 18C well located approx. N/2 NW SW of Section 18-13S-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 1st day  
of July, 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 1st day of  
July, 2015

*Linda L. Zerr*  
Notary Public

My commission expires:  
January 8, 2017

**LEGAL ADVERTISING**  
(Published in the Gove County Advocate, Quinter,  
KS, Wed., July 1, 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 Lansing-Kansas City and Johnson sources of  
supply for the #1 Phillips Trust 18C well located  
approx. N/2 NW SW of Section 18-13S-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  
may cause waste, violate correlative rights or pol-  
lute 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 them-  
selves 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



**CONFIDENTIAL**

**WELL COMPLETION FORM**

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**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 # 6426  
Name: Express Well Service & Supply Inc  
Wellsite Geologist: Peter Fiorini  
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: Ritchie Exploration, Inc.  
Well Name: Phillips Trust 18C #1  
Original Comp. Date: 02/19/2012 Original Total Depth: 4725  
 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 #: \_\_\_\_\_

<u>07/22/2013</u>	<u>07/22/2013</u>	<u>07/29/2013</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-21969-00-01  
Spot Description: 95'S & 120'E of N2NWSW  
SW\_NE\_NW\_SW Sec. 18 Twp. 13 S. R. 31  East  West  
2215 Feet from  North /  South Line of Section  
780 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Gove  
Lease Name: Phillips Trust 18C Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Johnson & LKC  
Elevation: Ground: 2957 Kelly Bushing: 2966  
Total Depth: 4725 Plug Back Total Depth: 4702  
Amount of Surface Pipe Set and Cemented at: 224 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2440 Feet  
If Alternate II completion, cement circulated from: 2440  
feet depth to: 0 w/ 325 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 #: \_\_\_\_\_

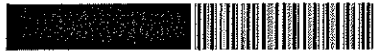
**AFFIDAVIT**

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**

- Letter of Confidentiality Received  
Date: 08/28/2013  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NAOMI JAMES Date: 08/29/2013



1156589

Operator Name: Ritchie Exploration, Inc. Lease Name: Phillips Trust 18C Well #: 1  
 Sec. 18 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum Attached Attached 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	224	Common	175	3%cc&2%gel
Production	7.875	5.5	15.5	4723	OWC	225	10%salt,2%gel

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 (Amount and Kind of Material Used)	Depth
4	4037.5-4040.5	500 Gals 15% NE	
4	4247-4250	500 Gals 15% NE	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4684</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>07/29/2013</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>6.68</u>	Gas Mcf _____	Water Bbls. <u>25.05</u> Gas-Oil Ratio _____ Gravity <u>25</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 checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--



Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	Phillips' Trust 18C 1
Doc ID	1156589

Tops

Name	Top	Datum
Anhydrite	2465	+525
B/Anhydrite	2485	+503
Heebner	3964	-986
Lansing	4003	-1037
Muncie Shale	4150	-1184
Stark Shale	4236	-1270
Hush	4272	-1306
BKC	4306	-1340
Altamont	4346	-1380
Pawnee	4435	-1469
Myrick	4470	-1504
Fort Scott	4486	-1520
Cherokee Shale	4514	-1548
Johnson	4558	-1592
Morrow Sand	4594	-1628
Mississippian	4612	-1646

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

July 16, 2015

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

RE: Approved Commingling CO071504  
Phillips Trust 18C 1  
API No. 15-063-21969-00-01

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 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