



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.

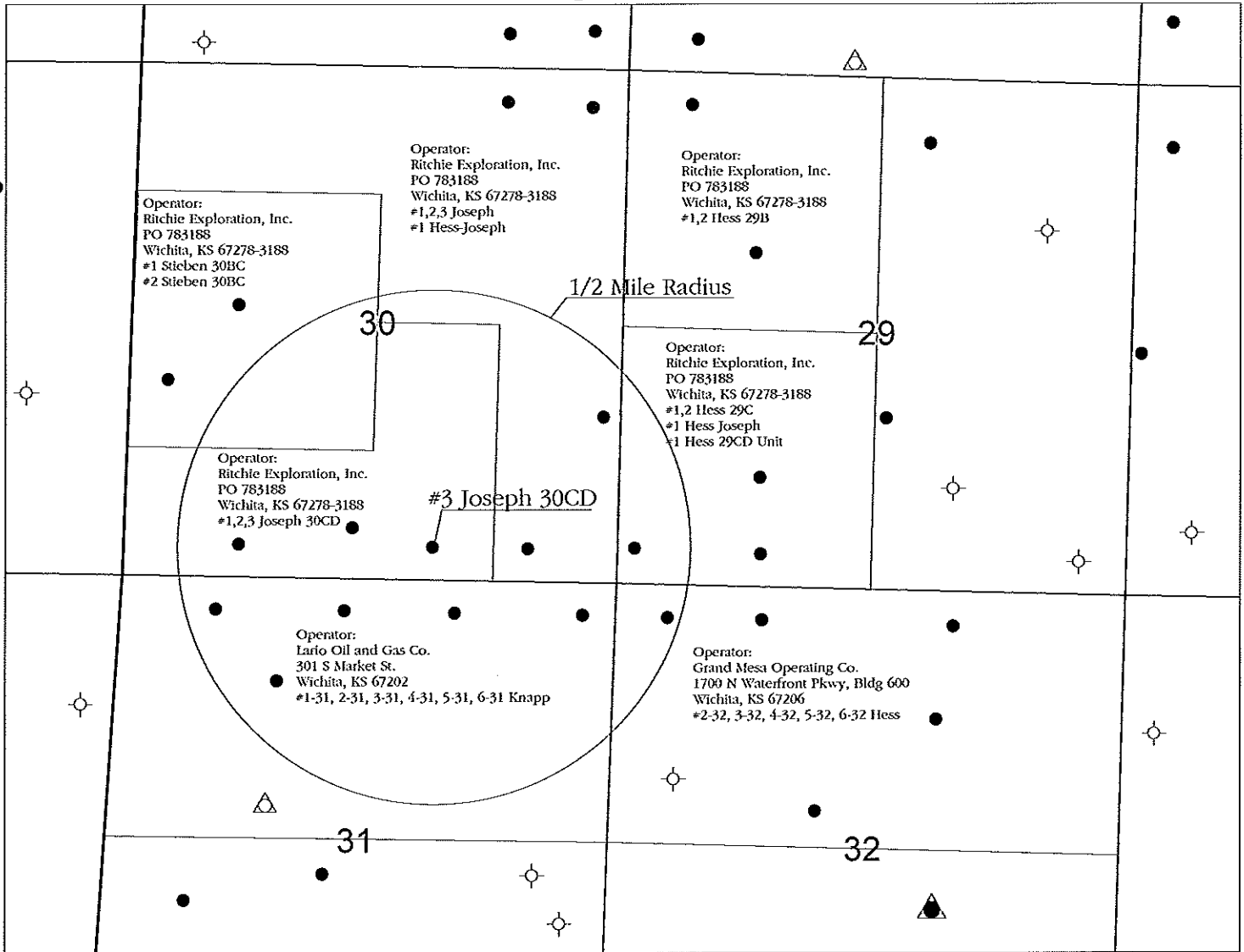
Submitted Electronically

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**
- Dry and Abandoned Well
 - Oil Well
 - Service Well / Was Oil Well
 - Service Well



RITCHIE
EXPLORATION, INC.
Wichita, Kansas

**Application for
Commingling of
Production or Fluids**

Applicant Well: #3 Joseph 30CD
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 : 20,000	Date: August 27, 2013
------------------------------	----------------------	--------------------------

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 30CD
335' FSL & 1990' FEL
Section 30-13S-31W
Gove Co., KS**

Township 13 South, Range 31 West
Gove Co., KS

<u>Sec. 29:</u>	NW/4	Ritchie Exploration, Inc PO 783188 Wichita, KS 67278-3188	Operator: #1 Hess 29B, #2 Hess 29B
	SW/4	Ritchie Exploration, Inc.	Operator: #1 Hess 29C, #2 Hess 29C, #1 Hess 29CD Unit (Unitized)
<u>Sec. 30:</u>	N/2NW/4, NE/4, E/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Joseph, #2 Joseph, #3 Joseph #1 Hess-Joseph (Unitized)
	S/2SW/4, W/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Joseph 30CD, #2 Joseph 30CD, #3 Joseph 30CD
	S/2NW, N/2SW	Ritchie Exploration, Inc.	Operator: #1 Stieben 30CD, #2 Stieben 30CD
<u>Sec. 31:</u>	N/2	Lario Oil and Gas Co. 301 S. Market St Wichita, KS 67202	Operator: #1-31 Knapp, #2-31 Knapp, #3-31 Knapp, #4-31 Knapp, #5-31 Knapp, #6-31 Knapp
<u>Sec. 32:</u>	N/2	Grand Mesa Operating Co. 1700 N. Waterfront Pkwy Bldg 600 Wichita, KS 67206	Operator: #2-32 Hess, #3-32 Hess, #4-32 Hess, #5-32 Hess, #6-32 Hess

AFFIDAVIT

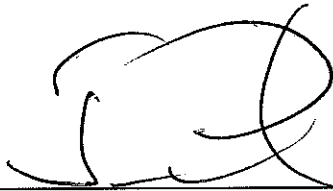
STATE OF KANSAS)
 - SS.
County of Sedgwick)

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 30CD #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 September 11, 2013.

made as aforesaid on the 11th of

September A.D. 2013

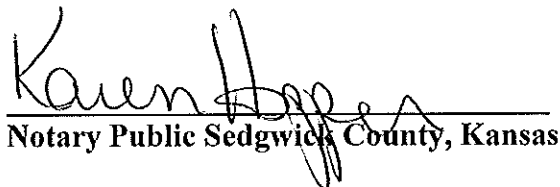
And affiant further says that he has personal knowledge of the statements above set forth and that they are true.



Subscribed and sworn to before me this

11th day of September 2013

KAREN HOPPER
NOTARY PUBLIC-STATE OF KANSAS
MY APPT. EXPIRES 3-8-15



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 16th

September A.D. 2013, 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

16th day of September, 2013



Jennifer Rae Bailey
Notary Public Sedgwick County, Kansas

Printer's Fee : \$91.60

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
SEPTEMBER 16, 2013 (3265631)

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, Myrick, and Johnson sources of supply for the #3 Joseph 30CD well located approx. S/2 SW SE 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 18th day
of September, 2013,
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 18th day of
September, 2013

Linda L. Zerr
Notary Public

My commission expires:
January 8, 2017

LEGAL ADVERTISING
(Published in the Gove County Advocate,
Quinter, KS, Wed., September 18, 2013 - 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 Lansing-Kansas City, Myrick,
and Johnson sources of supply for the #3
Joseph 30CD well located approx. S/2 SW SE
of Section 30-13S-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 sum-
mary 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

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

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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
CONTRACTOR: License # 30606
Name: Murfin Drilling, Co. Inc.
Wellsite Geologist: Larry Friend
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 #: _____
7/25/11 8/7/11 8/7/11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 063-21933-00-00
Spot Description: 5' N & 80' E
S/2 SW SE Sec. 30 Twp. 13 S. R. 31 East West
335 Feet from North / South Line of Section
1,900 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Joseph 30CD Well #: 3
Field Name: _____
Producing Formation: LKC/Myrick/Johnson
Elevation: Ground: 2911 Kelly Bushing: 2921
Total Depth: 4700 Plug Back Total Depth: 4656
Amount of Surface Pipe Set and Cemented at: 216 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2370' Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2370 w/ 310 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 19000 ppm Fluid volume: 900 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: _____
Title: Production Manager Date: 10/27/11

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: _____ Date: _____

Operator Name: Ritchie Exploration, Inc. Lease Name: Joseph 30CD 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 Wireline 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 Neutron/Density Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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	12-1/4"	8-5/8"	23#	216'	common	175	3%cc, 2% gel
Production	7-7/8"	5-1/2"	15.5#	4690'	ASC	200	10% salt, 2% gel, 5% ironite

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 (Amount and Kind of Material Used)	Depth
4	4502' - 4507.5' (8/30/11)	500 gals 15% NE	
4	4414.5' - 4418' (8/30/11)	500 gals 15% NE	
4	4160' - 4163.5' (8/30/11)	500 gals 15% NE	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>4638'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>9/8/11</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>76.56</u>	Gas Mcf <u>30.54</u>	Water Bbls. Gas-Oil Ratio Gravity <u>34.5</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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--



#3 Joseph 30CD
335' FSL & 1900' FEL
5' N & 80' E of S/2 SW SE Section 30-13S-31W
Gove County, Kansas
API# 15-063-21933-0000
Elevation: GL: 2911', KB: 2921'

Sample Tops			Ref. Well
Anhydrite	2396'	+525	-2
B/Anhydrite	2418'	+503	-1
Heebner	3899'	-978	+4
Toronto	3920'	-999	+9
Lansing	3944'	-1023	+5
Muncie Shale	4095'	-1174	+4
Stark Shale	4176'	-1255	+10
Hush	4214'	-1293	+8
BKC	4255'	-1334	+5
Marmaton	4275'	-1354	+4
Pawnee	4380'	-1459	+1
Myrick	4419'	-1498	flat
Fort Scott	4434'	-1513	+2
Cherokee Shale	4464'	-1543	+1
Johnson	4506'	-1585	+1
Morrow Sand	4541'	-1620	-7
Mississippian	4580'	-1659	-37
RTD	4700'	-1779	

October 3, 2013

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

RE: Approved Commingling CO091306
Joseph 30CD 3, Sec.30-T13S-R31W, Gove County
API No. 15-063-21933-00-00

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 September 23, 2013, 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	
LKC	12.13	0.00	10.33	4160-4163
Myrick	11.80	0.00	10.05	4414-4418
Johnson	8.86	0.00	7.55	4502-4507
Total Estimated Current Production	32.79	0.00	27.93	

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 CO091306 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