



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

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: Peter Fiorini
Phone: (316) 691-9500
CONTRACTOR: License # 34082
Name: Alliance Well Service Inc.
Wellsite Geologist: Peter Fiorini
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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: Joseph

Original Comp. Date: 02/06/2012 Original Total Depth: 4660

- 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>02/19/2013</u>	<u>02/19/2013</u>	<u>02/28/2013</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-21966-00-01

Spot Description: 5'N & 70'E of SWSESE

NE SW SE SE Sec. 30 Twp. 13 S. R. 31 East West

335 Feet from North / South Line of Section

920 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Gove

Lease Name: Joseph Well #: 2

Field Name: _____

Producing Formation: LKC,Johnson,Fort Scott,Myrick

Elevation: Ground: 2894 Kelly Bushing: 2903

Total Depth: 4660 Plug Back Total Depth: 4616

Amount of Surface Pipe Set and Cemented at: 222 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2375 Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 2375 w/ 220 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: 04/30/2013

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 05/01/2013

Operator Name: Ritchie Exploration, Inc. Lease Name: Joseph Well #: 2
 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 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
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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	222	Common	175	3% cc, 2% gel
Production	7.88	5.5	15.5	1324	ASC	200	10% salt, 2% gel, 5% /sx g/isonite

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	4492.5'-4497.5'	500 gals 15% NE w/clay-sta	
4	4423'-4426'	375 gal 15% NE+10 soluble perf balls	
4	4407'-4410'	375 gal 15% NE+10 soluble perf balls	
4	4157'-4160'	375 gal 15% NE+10 soluble perf balls	
4	4101'-4106'	375 gal 15% NE+10 soluble perf balls	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>4608</u>	Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>02/28/2013</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbls. <u>91.78</u>	Gas Mcf	Water Bbls. <u>25.9</u>	Gas-Oil Ratio	Gravity <u>31</u>
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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 (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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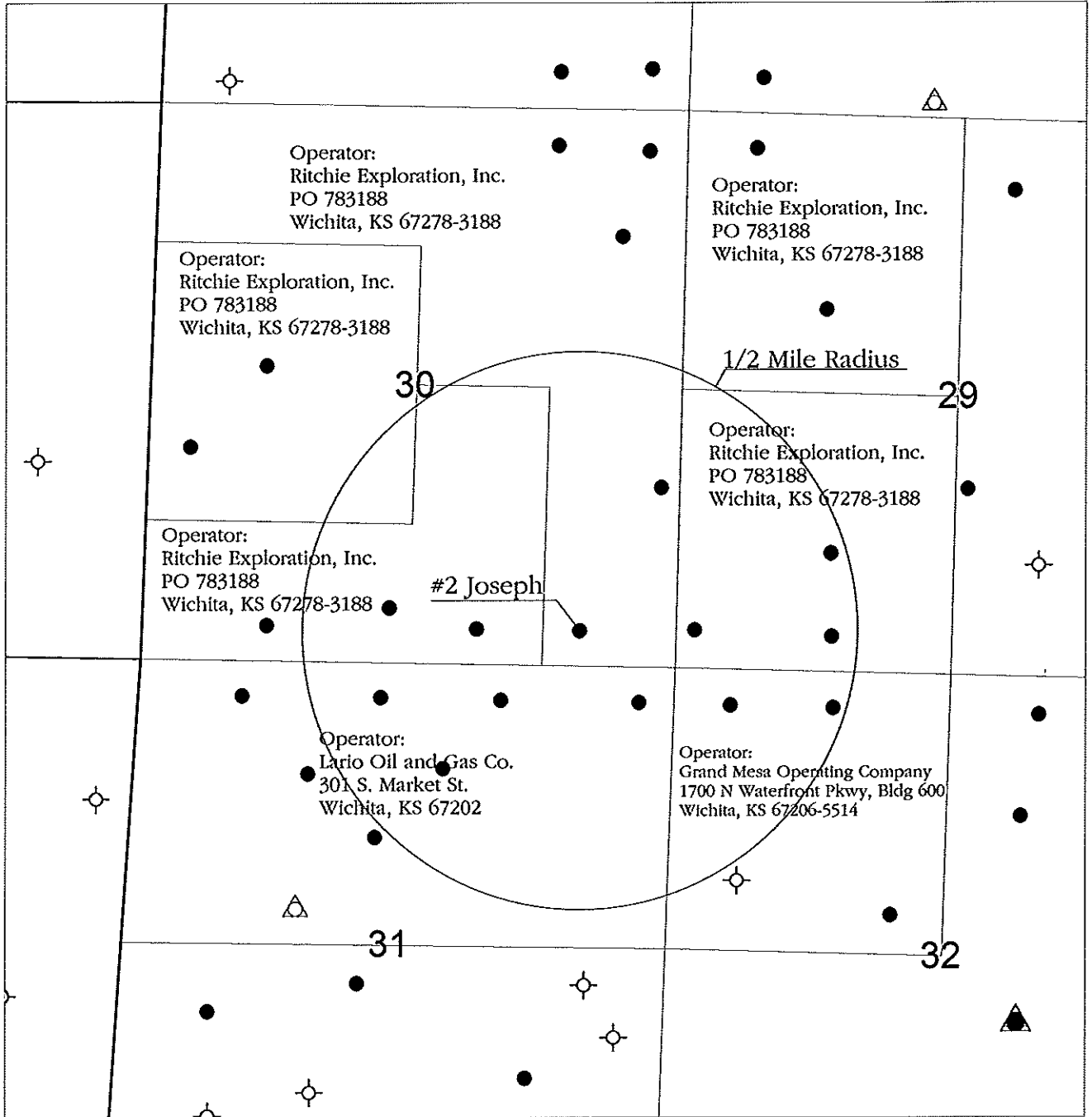
Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	Joseph 2
Doc ID	1137075

Tops

Name	Top	Datum
Anhydrite	2376	+527
B/Anhydrite	2399	+504
Heebner	3887	-984
Toronto	3910	-1007
Lansing	3931	-1028
Muncie Shale	4081	-1178
LKC "H"	4094	-1191
LKC "I"	4126	-1223
Stark Shale	4167	-1264
Hush	4203	-1300
BKC	4247	-1344
Marmaton	4263	-1360
Altamont	4285	-1382
Pawnee	4365	-1462
Myrick	4403	-1500
Fort Scott	4420	-1517
Cherokee Shale	4446	-1543
Johnson	4488	-1585
Base Johnson	4515	-1612
Mississippian	4532	-1629


R 31 W

T
13
S



Legend

- Oil Well
- ⊕ Dry and Abandoned Well
- ▲ Service Well / Was Oil Well
- △ Service Well

 RITCHIE EXPLORATION, INC. Wichita, Kansas		Application for Commingling of Production or Fluids
Applicant Well: #2 Joseph All Wells on Offsetting Leases within 1/2 Mile Radius Name and Address of Operator of Record On Offsetting Leases		
Gove County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 18,000	Date: 3/24/2015

APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#2 Joseph
335' FSL & 920' FEL
Section 30-13S-31W
Gove Co., KS**

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

Sec. 29:	NW/4	Ritchie Exploration, Inc. PO 783188 Wichita, KS 67278-3188	Operator: #1 Hess 29B, #2 Hess 29B
	SE/4	Ritchie Exploration, Inc.	Operator: #1 Hess 29CD Unit, #1 Hess 29C, #2 Hess 29C, #1 Hess-Joseph
Sec. 30:	NE/4, E/2SE/4, E/2N/2NW/4, & Lot 1 of the NW/4	Ritchie Exploration, Inc.	Operator: #1 Joseph, #2 Joseph, #3 Joseph, #4 Joseph, #1 Hess-Joseph, #1 Joseph-Hess
	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
Sec. 31:	N/2	Lario Oil & Gas Co. 301 S. Market St. Wichita, KS 67202	Operator: Knapp #1-31, Knapp #2-31, Knapp #3-31, Knapp #4-31, Knapp #5-31, Knapp #6-31, Knapp #7-31, Knapp #8-31

Sec. 32: NW/4

Grand Mesa Operating Co
1700 N Waterfront Pkwy,
Bldg 600
Wichita, KS 67206-5514

Operator: #2-32 Hess,
 #3-32 Hess,
 #6-32 Hess

AFFIDAVIT

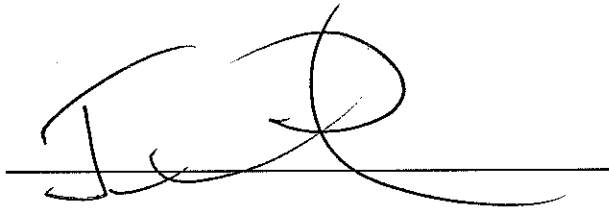
STATE OF KANSAS)
 - SS.
County of Sedgwick)

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 #2 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 25th of

March A.D. 2015

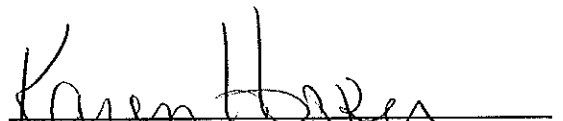
And affiant further says that he has personal knowledge of the statements above set forth and that they are true.



Subscribed and sworn to before me this

25th 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, 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 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 (3343762)
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, Fort Scott, and Johnson sources of supply for the #2 Joseph well located approx. NE SW SE 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 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 Lansing Kansas City, Myrick, Fort Scott and
Johnson sources of supply for the #2 Joseph well
located approx. NE SW SE SE 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
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 Appl. 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 CO041506
Joseph 2
API No. 15-063-21966-00-01

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