



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

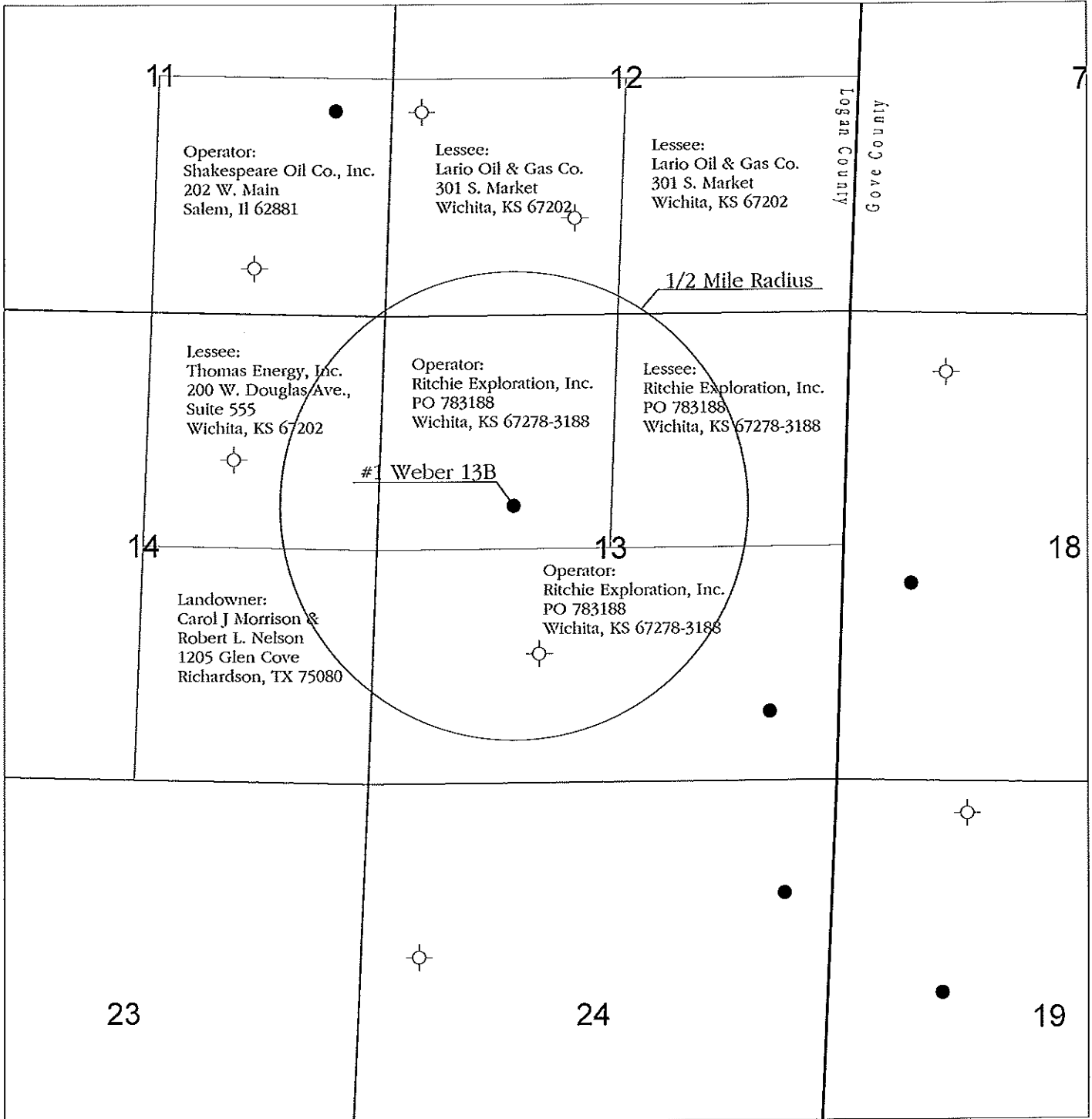
KCC Office Use Only
 Denied Approved
15-Day Periods Ends: _____
Approved By: _____ Date: _____

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



RITCHIE
EXPLORATION, INC.
Wichita, Kansas

Application for
Commingling of
Production or Fluids

Applicant Well: #1 Weber 13B
All Wells on Offsetting Leases within 1/2 Mile Radius
Name and Address of Lessee of Record or Operator on
Offsetting Leases

Logan / Gove County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 20,000	Date: December 15, 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 Weber 13B
2150' FNL & 1530' FWL
Section 13-13S-32W
Logan Co., KS**

Township 13 South, Range 32 West

Sec. 11:	SE/4	Shakespeare Oil Company Inc. 202 W. Main Salem, IL 62881	Operator: Teeter #1-11
Sec. 12:	SW/4	Lario Oil & Gas Company 301 S. Market Wichita, KS 67202	Lessee
	SE/4	Lario Oil & Gas Company	Lessee
Sec. 13:	NW/4	Ritchie Exploration, Inc. 8100 E. 22 nd St. N., Bldg 700 Wichita, KS 67226	Operator: #1 Weber 13B
	NE/4	Ritchie Exploration, Inc.	Lessee
	S/2	Ritchie Exploration, Inc.	Operator: #2 Eaton 13CD
Sec. 14:	NE/4	Thomas Energy, Inc. 200 W. Douglas Ave., Suite 555 Wichita, KS 67202	Lessee
	SE/4	Carol J. Morrison & Robert L. Nelson 1205 Glen Cove Richardson, TX 75080	Landowner

AFFIDAVIT

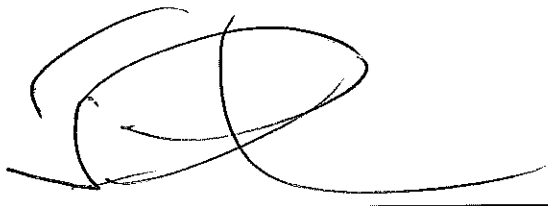
STATE OF KANSAS)
 - SS.
County of Sedgwick)

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 Weber 13 #1 well located in the County of Logan (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on December 22, 2014.

made as aforesaid on the 22nd of

December A.D. 2014

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

22nd day of December 2014

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 5 th of

January 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

5 th January , 2015

JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appl. Expires 10/17/2016

JRB

Notary Public Sedgwick County, Kansas

Printer's Fee : \$125.60

LEGAL PUBLICATION
Published in The Wichita Eagle
January 5, 2015 (3332353)
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 Weber 13B well located approx. 11W SE SE NW of Section 13-13S-32W, Logan 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

Proof of Publication

State of Kansas,
County of Logan, ss:

Barbara Glaver

of lawful age, being duly sworn upon oath states that he/she is the editor of **THE OAKLEY GRAPHIC**.

THAT said newspaper has been published at least weekly 50 times a year and has been so published for at least five years prior to the first publication of the attached notice.

THAT said newspaper was entered as second class matter at the post office of its publication;

THAT said newspaper has a general paid circulation on a daily, weekly, monthly, or yearly basis in LOGAN County, Kansas and is NOT a trade, religious or fraternal publication and has been printed and published in LOGAN County, Kansas.

THE ATTACHED was published on the following dates in a regular issue of said newspaper:

1st Publication was made on the 7 day of Jan, 2015

2nd Publication was made on the _____ day of _____, 20 _____

3rd Publication was made on the _____ day of _____, 20 _____

4th Publication was made on the _____ day of _____, 20 _____

5th Publication was made on the _____ day of _____, 20 _____

6th Publication was made on the _____ day of _____, 20 _____

Publication fee \$ 54.90

Affidavit, Notary's Fees \$ _____

Additional Copies _____ @ _____ \$ _____

Total Publication Fee \$ 54.90

Barbara Glaver
(Signed)

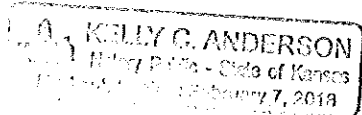
Witness my hand this 8 day of January, 2015

SUBSCRIBED and SWORN to before me this 8

day of January, 2015.

Kelly C Anderson
(Notary Public)

My commission expires 2.7.2018



Published in the Oakley
Graphic Jan. 7, 2015
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 Weber 13B well located approx. NW SE SE NW of Section 13-13S-32W, Logan 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



CONFIDENTIAL WELL COMPLETION FORM

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 # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Mac Armstrong
Purchaser: _____

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 #: _____
11/05/2012 11/16/2012 11/16/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-109-21142-00-00
Spot Description: 160'N & 120'W of SWSENW
NW SW SE NW Sec. 13 Twp. 13 S. R. 32 East West
2150 Feet from North / South Line of Section
1530 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: Weber 13B Well #: 1
Field Name: _____
Producing Formation: LKC & Johnson
Elevation: Ground: 2967 Kelly Bushing: 2975
Total Depth: 4747 Plug Back Total Depth: 4702
Amount of Surface Pipe Set and Cemented at: 2442 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2442 Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 2442 w/ 425 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 880 bbls
Dewatering method used: Evaporated
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: 02/22/2013
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 02/27/2013



1119573

Operator Name: Ritchie Exploration, Inc. Lease Name: Weber 13B Well #: 1
 Sec. 13 Twp. 13 S. R. 32 East West County: Logan

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: Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE 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	165	3% cc, 2% gel
Production	7.88	4.5	10.5	4743	ASC	225	10% salt, 2% gel

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 checked="" type="checkbox"/> Plug Off Zone	4022-4025	Common	100	10% salt
-	-	-	-	-

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	4559'-4562.5' (12/06/2012)	650 gals 15% NE	
4	4022.5'-4025' (12/06/2012)	500 gals 15% NE	
4	4022'-4025.5' (12/14/2012)	500 gals 15% NE	

TUBING RECORD:	Size: 2.38	Set At: 4686	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. 01/28/2013	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. 13.36	Gas Mcf	Water Bbls. 5.01	Gas-Oil Ratio
				Gravity

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: _____ _____
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#1 Weber 13B
2150' FNL & 1530' FWL
160' N & 120' W SW SE NW Section 13-13S-32W
Logan County, Kansas
API# 15-109-21142-00-00
Elevation: 2967' GL, 2975' KB

Sample Tops			Ref. Well
Anhydrite	2463'	+512	+8
B/Anhydrite	2487'	+488	+6
Heebner	3945'	-970	+14
Toronto	3972'	-997	+12
Lansing	3988'	-1013	+12
Muncie Shale	4133'	-1158	+12
Stark Shale	4221'	-1246	+10
Hush Shale	4256'	-1281	+10
BKC	4293'	-1318	+8
Marmaton	4317'	-1342	+8
Altamont	4336'	-1361	+8
Pawnee	4420'	-1445	+13
Myrick	4452'	-1477	+17
Fort Scott	4474'	-1499	+12
Cherokee Shale	4502'	-1527	+12
Johnson	4557'	-1582	+3
Morrow Shale	4572'	-1597	+17
Mississippian	4592'	-1617	+15
RTD	4747'	-1772	

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

February 3, 2015

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

RE: Approved Commingling CO011505
Weber 13B 1
API No. 15-109-21142-00-00

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