



**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**

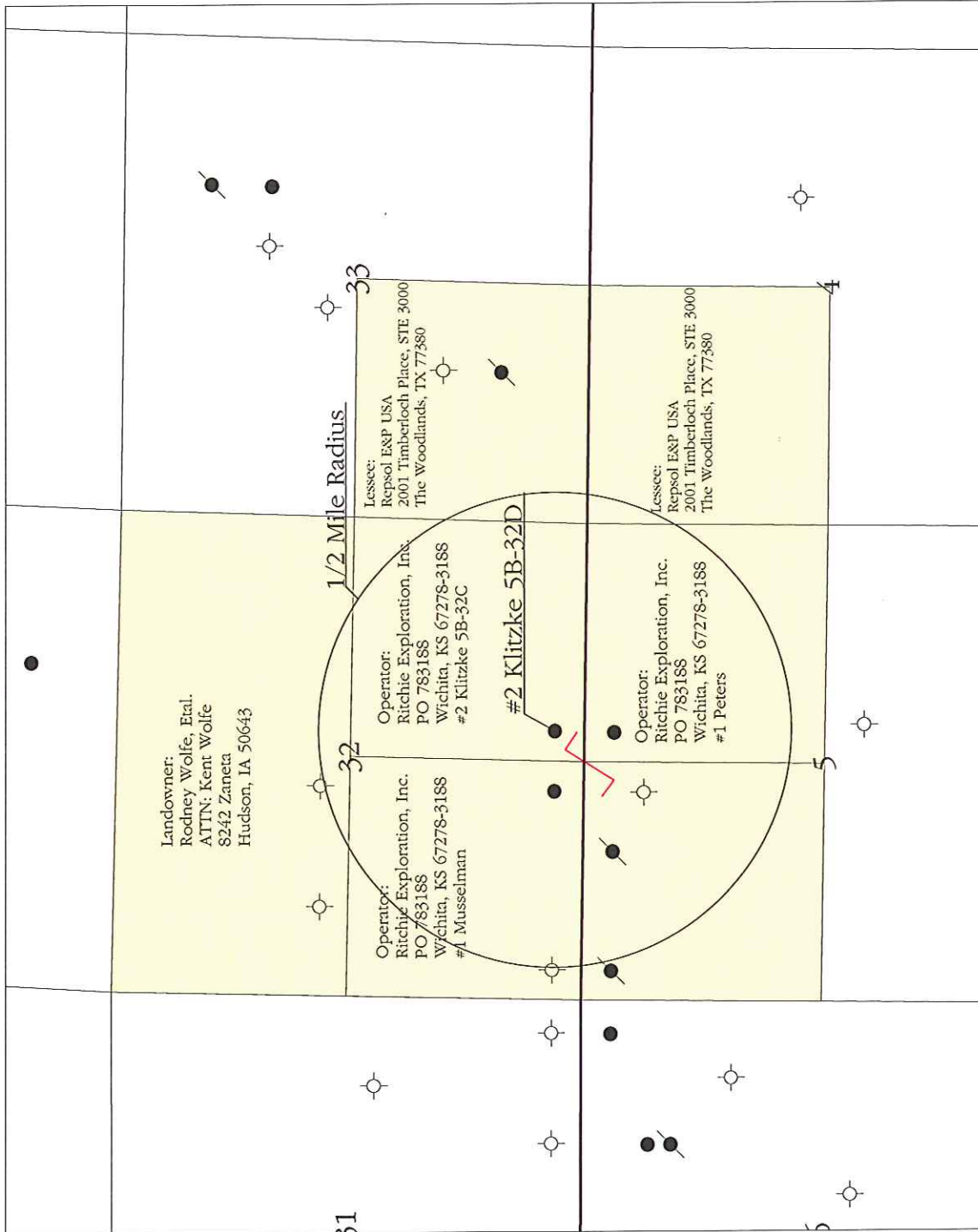
**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: \_\_\_\_\_  
Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

*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 22 W

T 16 S

T 17 S



Landowner:  
 Rodney Wolfe, Etal.  
 ATTN: Kent Wolfe  
 8242 Zaneta  
 Hudson, IA 50643

Operator:  
 Ritchie Exploration, Inc.  
 PO 783188  
 Wichita, KS 67278-3188  
 #1 Musselman

Operator:  
 Ritchie Exploration, Inc.  
 PO 783188  
 Wichita, KS 67278-3188  
 #2 Klitzke 5B-32C

#2 Klitzke 5B-32D

Operator:  
 Ritchie Exploration, Inc.  
 PO 783188  
 Wichita, KS 67278-3188  
 #1 Peters

Lessee:  
 Repsol EXP USA  
 2001 Timberloch Place, STE 3000  
 The Woodlands, TX 77380

Lessee:  
 Repsol EXP USA  
 2001 Timberloch Place, STE 3000  
 The Woodlands, TX 77380

**Legend**

- Oil Well
- ⊗ Abandoned Oil Well
- ⊕ Dry and Abandoned Well



**Application for  
 Commingling of  
 Production or Fluids**

Applicant Well: #2 Klitzke 5B-32D  
 All Wells on Offsetting Leases within 1/2 Mile Radius  
 Name and Address of Lessee of Record or Operator  
 On Offsetting Leases

Prepared By: Justin Clegg	Scale: 1 : 22,000	Date: December 19, 2013
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Ness County, Kansas

**APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS**

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

**#2 Klitze 5B-32D  
330' FSL & 2310' FEL  
Section 32-16S-22W  
Ness Co., KS**

**Township 16 South, Range 22 West**

Sec. 32:	N/2	Rodney Wolfe, et al. ATTN: Kent Wolfe 8242 Zaneta Hudson, IA 50643	Landowner
	SW/4	Ritchie Exploration, Inc. P.O. Box 783188 Wichita, KS 67278-3188	Operator: #1 Musselman
	SE/4	Ritchie Exploration, Inc.	Operator: #2 Klitzke 5B-32D
Sec. 33:	SW/4	Repsol E&P USA 2001 Timberloch Place, Suite 3000 The Woodlands, TX 77380	Lessee

**Township 17 South, Range 22 West**

Sec. 4:	NW/4	Repsol E&P USA	Lessee
Sec. 5:	NE/4	Ritchie Exploration, Inc.	Operator: #1 Peters
	NW/4	Ritchie Exploration, Inc.	Operator: #2 Klitzke 5B-32D

**AFFIDAVIT**

STATE OF KANSAS            )  
  - SS.  
County of Sedgwick         )

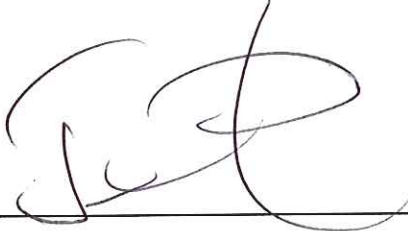
John Niernberger, of lawful age, being first duly sworn, deposeth and saith: That he is Production Manager of Ritchie Exploration, County of Sedgwick, State of Kansas, and that notice was given to all lessee of record or operator within ½ mile radius of the Klitzke 5B-32D #2 well located in the County of Ness (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on January 3, 2014.

made as aforesaid on the 3<sup>rd</sup> of

**January 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

**3<sup>rd</sup> day of January 2014**

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

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

First published in the Ness County News on Thursday, January 23, 2014 -1t

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 Sand and Basal Penn Sand sources of supply for the #2 Klitzke 5B-32D well located approx. SW SW SE of Section 32-16S-22W, Ness 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

STATE OF KANSAS, COUNTY OF NESS, ss:

Jerry Clarke, being first duly sworn, Deposes and says: that he is Publisher of Ness County News, a weekly newspaper, published and printed in Ness City, State of Kansas, and published in and of general circulation in Ness County, Kansas, with a general paid circulation on a weekly basis in Ness County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

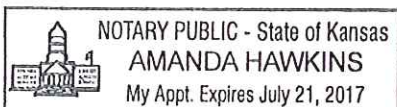
Said newspaper is a weekly published at least 50 times a year; has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Ness City, in said County as second 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 1 consecutive weeks, the first publication thereof being made as aforesaid on the 23rd day of January, 2014, with subsequent publications being made on the following dates:

\_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_, 20\_\_\_\_
\_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_, 20\_\_\_\_
\_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_, 20\_\_\_\_

Jerry Clarke, editor

Subscribed and sworn to before me this 23rd day of January, 2014



Amanda Hawkins, Notary Public.

Publication Fee \$ 31.50
Additional Copies @ \$ \_\_\_\_\_
Total Publication Fees \$ 31.50

Filed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Attached Proof Of Publication approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

District Magistrate Judge

Filed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Clerk of the District Court.

Attached Proof Of Publication approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Judge Twenty-fourth Judicial District.

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 8th

January 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

8th day of January, 2014

JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appt. Expires 6/4/2017

Jennifer Bailey
Notary Public Sedgwick County, Kansas

Printer's Fee : \$158.80

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 Sand and Basal Penn Sand sources of supply for the #2 Klitzke 5B-32D well located approx. SW SW SE of Section 32-165-22W, Ness County, Kansas.
All 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 # 32970  
 Name: H-D Oilfield Service, Inc.  
 Wellsite Geologist: Pete Florini  
 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: Klitzke 5B-32D  
 Original Comp. Date: 12/27/1985 Original Total Depth: 4450  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: 4419 Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  

<u>11/03/2011</u>	<u>11/03/2011</u>	<u>11/15/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-22966-00-01  
 Spot Description: \_\_\_\_\_  
 \_\_\_\_\_ SW SW SE Sec. 32 Twp. 16 S. R. 22  East  West  
330 Feet from  North /  South Line of Section  
2310 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
 County: Ness  
 Lease Name: KLITZKE'5B-32D' Well #: 2  
 Field Name: \_\_\_\_\_  
 Producing Formation: Cherokee Sand, Basal Penn Sand  
 Elevation: Ground: 2392 Kelly Bushing: 2393  
 Total Depth: 4450 Plug Back Total Depth: 4417  
 Amount of Surface Pipe Set and Cemented at: 216 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: 1670 Feet  
 If Alternate II completion, cement circulated from: 0  
 feet depth to: 1670 w/ 390 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	
<input checked="" type="checkbox"/>	Letter of Confidentiality Received Date: <u>02/29/2012</u>
<input type="checkbox"/>	Confidential Release Date: _____
<input type="checkbox"/>	Wireline Log Received
<input type="checkbox"/>	Geologist Report Received
<input type="checkbox"/>	UIC Distribution
ALT <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	Approved by: <u>NAOMI JAMES</u> Date: <u>02/29/2012</u>

Operator Name: Ritchie Exploration, Inc. Lease Name: KLITZKE'5B-32D' Well #: 2  
 Sec. 32 Twp. 16 S. R. 22  East  West County: Ness

**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 checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input 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	8.625	24	216	common	135	2%gel,3%cc
Production	7.875	5.5	14	4445	60/40 poz	120	10% salt

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	4390-4398, 4401-4409	2500 gals 15% HCL+AR-630+Gas-Plus+PAS-1350+80-soluble perf ball sealers	
	4315-4318 (Old perf re-acidized)	500 gals 15% HCL+AR-630+Iron-Out+40 soluble perf ball sealers	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4417</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>11/15/2011</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>10.36</u> Gas Mcf <u> </u> Water Bbls. <u>1.67</u> Gas-Oil Ratio <u> </u> Gravity <u>40</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: _____ _____
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Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	KLITZKE'5B-32D' 2
Doc ID	1075452

Tops

Name	Top	Datum
Anhydrite	1701	+692
B/Anhydrite	1738	+655
Heebner	3790	-1397
Toronto	3810	-1417
Lansing	3828	-1435
B/KC	4099	-1706
Pawnee	4200	-1807
Ft. Scott	4298	-1905
Cher. Sh.	4312	-1919
Cher. Sd.	4315	-1922
Basal Sd.	4389	-1996
Miss.	4422	-2029
LTD	4447	-2054

February 18, 2014

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

RE: Approved Commingling CO021403  
Klitzke '5B-32D' 2, Sec.32-T16S-R22W, Ness County  
API No. 15-135-22966-00-01

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. This application, which was received by the KCC on February 17, 2014, 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	
Cherokee Sand	1.30	0.00	13.10	4315-4318
Basal Penn Sand	1.80	0.00	18.10	4390-4398, 4401-4409
Total Estimated Current Production	3.10	0.00	31.20	

Based upon the depth of the Basal Penn Sand 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 CO021403 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