



**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.

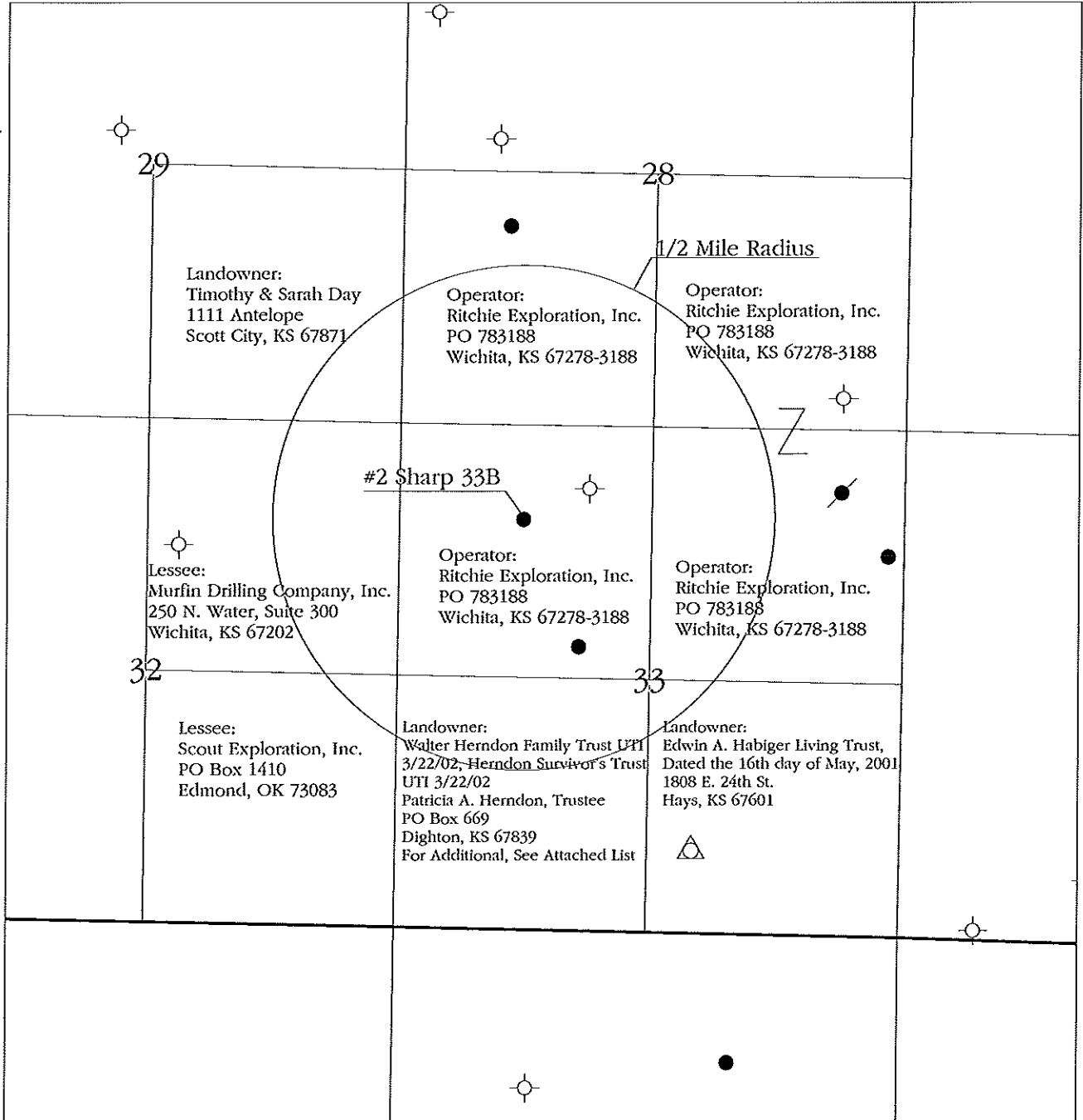
**Submitted Electronically**

**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 30 W

T  
17  
S



T  
18  
S

- Legend**
- Oil Well
  - / Abandoned Oil Well
  - △ Service Well
  - Dry and Abandoned Well



**RITCHIE**  
EXPLORATION, INC.  
Wichita, Kansas

**Application for  
Commingling of  
Production or Fluids**

**Applicant Well: #2 Sharp 33B**  
All Wells on Offsetting Leases within 1/2 Mile Radius  
Name and Address of Lessee of Record or Operator on  
Offsetting Leases

Lane County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 20,000	Date: January 30, 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 Sharp 33B  
990' FNL & 1300' FWL  
Section 33-17S-30W  
Lane Co., KS**

**Township 17 South, Range 30 West**

Sec. 28:	SW/4	Ritchie Exploration, Inc. PO Box 783188 Wichita, KS 67278-3188	Operator: #1 Dowd 28C
	SE/4	Ritchie Exploration, Inc.	Operator: #1 Penka Trust
Sec. 29:	SE/4	Sarah K. Day & Timothy A. Day 1111 Antelope Scott City, KS 67871	Landowners
Sec. 32:	NE/4	Murfin Drilling Company, Inc. 250 N. Water, Suite 300 Wichita, KS 67202	Lessee
	SE/4	Scout Exploration, Inc. PO Box 1410 Edmond, OK 73083	Lessee
Sec. 33:	NW/4	Ritchie Exploration, Inc.	Operator: #1 Sharp 33B, #2 Sharp 33B
	NE/4	Ritchie Exploration, Inc.	Operator: #1 Penka Trust
	SE/4	Edwin A. Habiger Living Trust, Dated the 16 <sup>th</sup> day of May, 2001 1808 E. 24 <sup>th</sup> St. Hays, KS 67601	Landowner
	SW/4	Walter Herndon Family Trust UTI 3/22/02, Herndon Survivor's Trust UTI 3/22/02 Patricia A. Herndon, Trustee PO Box 669 Dighton, KS 67839	Landowner

**Township 17 South, Range 30 West**

Sec. 33:	SW/4	Herndon Family Trust UTI 2/22/00 Herndon Survivor's Trust UTI 2/22/00 Corinne Herndon, Trustee PO Box 205 Dighton, KS 67839	Landowner
		Doris May Robb, a single person 775 Diamond View Drive, Apt. 18 Dighton, KS 67839	Landowner
		Irma Gene Cooper, sole heir of Paul Wilson 2627 Torrey Pines Drive Fort Worth, TX 76109	Landowner
		Phyllis Hoeffner c/o Phyllis Ellison 1909 Nueces Drive Allen, TX 75013	Landowner
		Mary Joanita Doll-Masden a/k/a Joanita Masden 109 Pohlman Street Ellinwood, KS 67526	Landowner

**AFFIDAVIT**

STATE OF KANSAS        )  
                                  - SS.  
County of Sedgwick     )

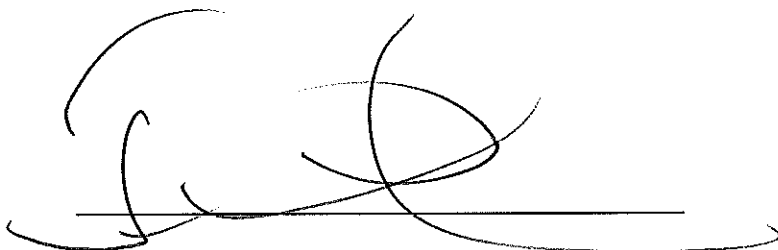
John Niernberger, of lawful age, being first duly sworn, deposes and saith: That he is Production Manager of Ritchie Exploration, County of Sedgwick, State of Kansas, and that notice was given to all lessee of record or operator within ½ mile radius of the Sharp 33B #2 well located in the County of Lane (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on February 24, 2015.

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

**February A.D. 2015**

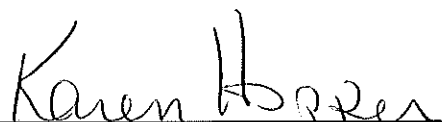
\_\_\_\_\_

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 February 2015**

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



Proof of Pub.

Legal

State of Kansas,  
County of Lane, ss:

Mary Hartman

of lawful age, being duly sworn upon oath states that he/she is the editor of THE DIGHTON HERALD.

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 LANE County, Kansas and is NOT a trade, religious or fraternal publication and has been printed and published in LANE County, Kansas.

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

- 1st Publication was made on the 4 day of March, 20 15
- 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 \$ 4860  
 Affidavit, Notary's Fees \$ \_\_\_\_\_  
 Additional Copies @ \_\_\_\_\_ \$ \_\_\_\_\_  
 Total Publication Fee \$ 4860

Mary Hartman  
(Signed)

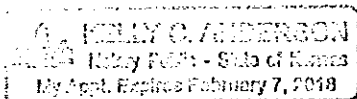
Witness my hand this 4 day of March, 20 15

SUBSCRIBED and SWORN to before me this 4

day of March, 20 15.

Kelly C. Anderson  
(Notary Public)

My commission expires 2-7-2018



(First published in The Dighton Herald Wednesday, March 4, 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 Middle Creek, Lansing-Kansas City and Altamont sources of supply for the #2 Sharp 33B well located approx. S/2 N/2 NW of Section 33-17S-20W, Lane 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 correlativerights 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.

R I T C H I E  
EXPLORATION, INC.  
P.O. Box 783188  
Wichita, KS 67278-3188  
(316) 691-9500

**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 28<sup>th</sup> of

February 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

2<sup>nd</sup> day of March, 2015



*Rachel M. Wilson*

Notary Public Sedgwick County, Kansas

Printers Fee: \$125.60

**LEGAL PUBLICATION**

Published in the Wichita Eagle  
February 28, 2015 (3339255)

**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 Middle Creek, Lansing-Kansas City and Altamont sources of supply for the #2 Sharp 33B well located approx. S/2 N/2 NW of Section 33-17S-20W, Lane County, Kansas.

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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



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1215705  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013  
Form must be Typed  
Form must be Signed  
All blanks must be Filled

**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 # 34821  
Name: K & M Well Service Inc.  
Wellsite Geologist: Pete Florini  
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: Sharp 33B #2

Original Comp. Date: 11/6/2006 Original Total Depth: 4595

- Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Plug Back  Conv. to GSW  Conv. to Producer  
  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_

6/3/2014 6/3/2014 6/10/2014  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 15-101-21976-00-01

Spot Description: 20' W OF S2N2NW  
S2 N2 NW Sec. 33 Twp. 17 S. R. 30  East  West  
990 Feet from  North /  South Line of Section  
1300 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: Lane

Lease Name: SHARP 33B Well #: 2

Field Name: \_\_\_\_\_

Producing Formation: LKC, Middle Creek, Altamont

Elevation: Ground: 2870 Kelly Bushing: 2881

Total Vertical Depth: 4595 Plug Back Total Depth: 4545

Amount of Surface Pipe Set and Cemented at: 229 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 2206 Feet

If Alternate II completion, cement circulated from: 2206  
feet depth to: 0 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**

- Confidentiality Requested  
Date: 07/24/2014  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NAOMI JAMES Date: 07/24/2014



1215705

Operator Name: Ritchie Exploration, Inc. Lease Name: SHARP 33B Well #: 2  
 Sec. 33 Twp. 17 S. R. 30  East  West County: Lane

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E. Logs Run:				

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	229	common	170	3%cc,2%gel
Production	7.875	4.5	10.5	4589	60/40 pozmix	235	2%gel,10%salt,3/4%CD-31

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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	4262.3-4270.3	750 Gal 15% NE Acid w/30 soluble perf ball sealers	
4	4252.3-4255.3	750 Gal 15% NE Acid w/20 soluble perf ball sealers	
4	4186-4194	1000 Gal 15% NE Acid w/35 soluble perf ball sealers	
4	4162.3-4171.8	1000 Gal 15% NE Acid w/40 soluble perf ball sealers	

TUBING RECORD: Size: 2.375 Set At: 4530 Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls. 30.06	Gas Mcf	Water Bbls. 3.34	Gas-Oil Ratio	Gravity 35
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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 checked="" type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	SHARP 33B 2
Doc ID	1215705

Tops

Name	Top	Datum
Anhydrite	2239	+642
B/Anhydrite	2259	+622
Heebner	3905	-1024
Lansing	3946	-1065
Lansing "I"	4160	-1279
Lansing "J"	4184	-1303
Lansing L	4258	-1377
BKC	4295	-1414
Altamont	4346	-1465
Cherokee	4483	-1602
Johnson	4521	-1640
Mississippian	4551	-6170

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

March 19, 2015

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

RE: Approved Commingling CO031505  
Sharp 33B 2  
API No. 15-101-21796-00-01

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 Altamont 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