

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

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.

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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: Peter Fiorini
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Bob Peterson
Purchaser: CHS

Designate Type of Completion:

- New Well Re-Entry Workover
 Oil WSW SWD
 Gas DH EOR
 OG GSW
 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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 EOR Permit #: _____
 GSW Permit #: _____

11/01/2018 11/09/2018 11/09/2018
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: 15-065-24157-00-00

Spot Description: 135'S & 76'E of

 - - - SW Sec. 7 Twp. 6 S. R. 21 East West

1185 Feet from North / South Line of Section

1396 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: Graham

Lease Name: WHITE Well #: 4

Field Name: _____

Producing Formation: Oread,Toronto,LKC& Congl

Elevation: Ground: 2229 Kelly Bushing: 2234

Total Vertical Depth: 3757 Plug Back Total Depth: 3739

Amount of Surface Pipe Set and Cemented at: 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1881 Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 1881 w/ 350 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 38000 ppm Fluid volume: 700 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

- Confidentiality Requested
Date: 02/19/2019
 Confidential Release Date: _____
 Wireline Log Received Drill Stem Tests Received
 Geologist Report / Mud Logs Received
 UIC Distribution
ALT I II III Approved by: Karen Ritter Date: 02/19/2019

Operator Name: Ritchie Exploration, Inc. Lease Name: WHITE Well #: 4
 Sec. 7 Twp. 6 S. R. 21 East West County: Graham

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 <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 Geologist Report / Mud Logs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: Triple Combo 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	260	Common	180	3% cc, 2% gel
Production	7.88	5.5	15.5	3751	Common	125	10% salt, 2% gel, 1/2% Halad 322 & 5# f

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	-			

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection: <u>02/15/2019</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	22.13				

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 <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom <u>3407</u> <u>3718</u>
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
Attached	Attached	Attached	Attached	Attached	Attached

TUBING RECORD: <u>2.38</u> Size: <u>3737</u> Set At: _____ Packer At: _____

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	WHITE 4
Doc ID	1444693

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlug Type	BridgePlug Set At	Material Record
4	3713	3718			500 gals 15% MCA
4	3659	3662			187 gals 15% NE
4	3648	3650			187 gals 15% NE
4	3628	3631			188 gals 15% NE
4	3620	3622			188 gals 15% NE
4	3522	3525			375 gals 15% NE
4	3508	3510			375 gals 15% NE
4	3476	3479			375 gals 15% NE
4	3460	3463			375 gals 15% NE
4	3407	3412			500 gals 15% NE

AFFIDAVIT

STATE OF KANSAS)
 - SS.
County of Sedgwick)

Peter Fiorini, 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 White #4 well located in the County of Graham (see attached plat map). This notice included a letter regarding commingling of production application. All notices were mailed on December 9, 2020.

made as aforesaid on the 9th of

December A.D. 2020

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

9th day of December 2020



Karen Hopper

Notary Public Sedgwick County, Kansas

First Published In The Hill City Times,
Wednesday, December 16, 2020:

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 Oread, Toronto, Lansing Kansas and Conglomerate sources of supply for the #4 White well located approx. SW of Section 7-6S-21W, Graham 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

25-1

**AFFIDAVIT OF PUBLICATION
State of Kansas, County of Graham, ss:**

JIM LOGBACK, of lawful age, being duly sworn, upon oath states that he is publisher of THE HILL CITY TIMES;

THAT said newspaper has been published weekly at least fifty (50) times a year and has been published at least five (5) years in Graham County, Kansas prior to the first publication of the attached notice;

THAT said newspaper has a general PAID circulation in GRAHAM COUNTY, KANSAS, and is NOT a trade, religious or fraternal publication.

THAT said newspaper is PRINTED IN KANSAS and PUBLISHED in GRAHAM COUNTY, KANSAS, and entered as second class mail matter at the post office of its publication in HILL CITY, KANSAS;

THAT, a notice of which the attached is a true and correct copy, was published in a regular issue of said newspaper for 1 consecutive weeks commencing with the issue of December 16, 2020.

Jim Logback

Publication Fee \$ 2310
____ Affidavits @ 75¢ . . \$ _____
____ Extra Copies @ 50¢ \$ _____
TOTAL LEGAL FEE \$ 2310

SUBSCRIBED and sworn
to before me this 16th
day of December,
2020.

Kim Garrison

My commission expires 2-21-2022 Notary Publ





AFFIDAVIT OF PUBLICATION

Account #	Ad Number	Identification	PO	Amount	Cols	Depth
453699	0004841395	LEGAL NOTICE You, and each of you, are hereby	#4 White well	\$191.44	1	3.20 In

Attention: Peter Fiorini
RITCHIE EXPLORATION INC
P O BOX 783188
WICHITA, KS 672783188

In The STATE OF KANSAS
In and for the County of Sedgwick
AFFIDAVIT OF PUBLICATION

1 Insertions

Beginning issue of: 12/30/2020

Ending issue of: 12/30/2020

STATE OF KANSAS)
.SS
County of Sedgwick)

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 Oread, Toronto, Lansing Kansas City and Conglomerate sources of supply for the #4 White well located approx. SW of Section 7-6S-21W, Graham 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 7831
Wichita, KS 67278-3188
(316) 691-9500

VICTORIA RODELA, 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 from 12/30/2020 to 12/30/2020.

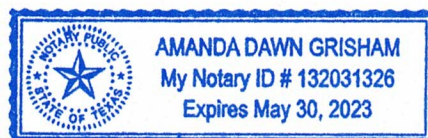
I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

V Rodela

Signature of Principal Clerk
DATED: 12/30/2020

A Grisham

Notary Public Dallas County, Texas

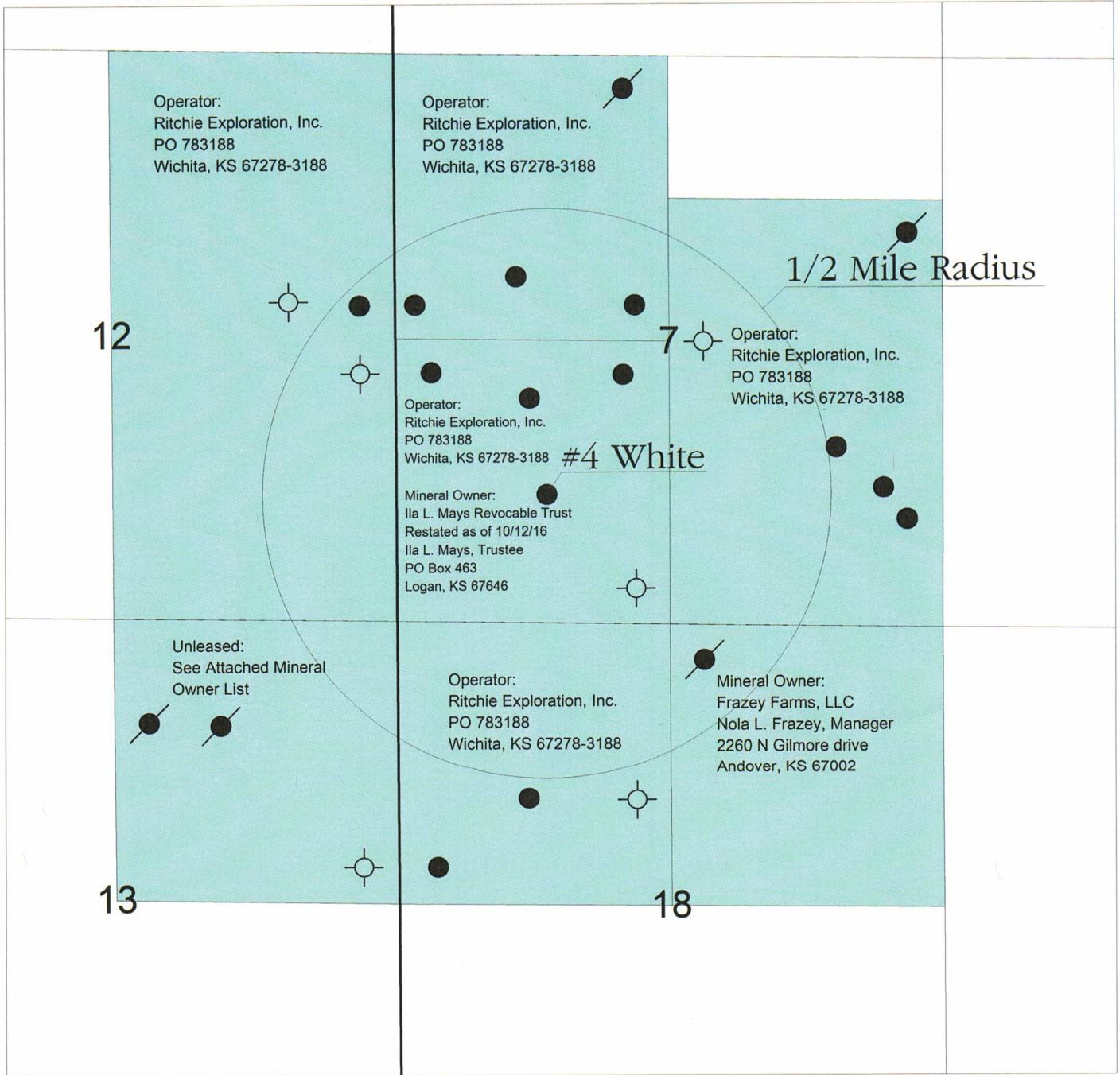


Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!


T
6
S

R 22 W

R 21 W



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

 RITCHIE EXPLORATION, INC. Wichita, Kansas		Application for Commingling of Production or Fluids
Applicant Well: #4 White API: 15-065-24157-0000 All Wells Within 1/2 Mile Radius Name and Address of Lessee of Record, Operator, or Unleased Mineral Rights Owner		
Graham County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 17,000	Date: November 17, 2020

APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#4 White
1,185' FSL & 1,396' FWL
Section 7-6S-21W
Graham Co., KS**

Township 6 South, Range 21 West

Sec. 7:	NW/4	Ritchie Exploration, Inc. PO Box 783188 Wichita, KS 67278-3188	Operator: #1 Nola Frazey, #3 Nola Frazey, #4 Nola Frazey
	SW/4	Ritchie Exploration, Inc.	Operator: #1 White, #2 White, #3 White, #4 White
		Ila L. Mays Revocable Trust Restated as of 10/12/16 Ila L. Mays, Trustee PO Box 463 Logan, KS 67646	Mineral Owner
	S/2NE/4, SE/4	Ritchie Exploration, Inc.	Operator: #1 Voss, #2 Voss, #5 Voss
Sec. 18:	NW/4	Ritchie Exploration, Inc.	Operator: #1 Frazey, #2 Frazey
	NE/4	Frazey Farms, LLC Nola L. Frazey, Manager 2260 N Gilmore Drive Andover, KS 67002	Mineral Owner

Township 6 South, Range 22 West

Sec. 12:	E/2	Ritchie Exploration, Inc.	Operator: #1 Keiswetter A
Sec. 13:	NE/4	Judith L. Albert PO Box 162 McAllister, MT 59740	Mineral Owner

Township 6 South, Range 22 West, ctd.

Sec. 13:	NE/4	Pauletta Marie Raines 8110 W 15 th St N Wichita, KS 67212	Mineral Owner
		Michelle Lynn Horst 14168 S Greenwood ST Olathe, KS 66062	Mineral Owner
		James & Sandra Thompson Living Trust James C. Thompson & Sandra J. Thompson, Trustees PO Box 68 Bogue, KS 67625	Mineral Owner
		Jan Stewart Clark 201 Colony RD Jupiter, FL 33469	Mineral Owner
		Carolyn V. Grindle 1625 Yukon ST Lakewood, CO 80214	Mineral Owner
		Rex Keiswetter A/K/A Raymond R. Keiswetter 309 S Pomeroy Ave. Hill City, KS 67642	Mineral Owner
		Donald Ivan Law PO Box 56 Hill City, KS 67642	Mineral Owner
		Gary Lynn Law 2918 Bluestem CT North Newton, KS 67117	Mineral Owner
		Francy Stewart Milner 805 Brooklawn Drive Boulder, CO 80303	Mineral Owner
		Pakkebier Farms, LLC 22998 RD E9 Lenora, KS 67645	Mineral Owner
		Barry Wynn Raines 420 Turkle Ave. Haysville, KS 67060	Mineral Owner
		Mary Kay Stewart 444 Paseo Encinal ST San Antonio, TX 78212	Mineral Owner



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Andrew J. French, Chairman
Dwight D. Keen, Commissioner
Susan K. Duffy, Commissioner

Laura Kelly, Governor

January 14, 2021

Peter Fiorini
Ritchie Exploration, Inc.
P.O. Box 783188
Wichita, KS 67278-3188

RE: Approved Commingling CO012101
White 4
API No. 15-065-24157-00-00

Dear Mr. Fiorini:

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 Conglomerate formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Sincerely,

Rick Hestermann
Production Department