KOLAR Document ID: 1375145

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-4 Form must be typed March 2009

## APPLICATION FOR COMMINGLING OF Commingling ID # \_ PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERATOR: License #		API No. 15					
Name:_		Spot Description:	Spot Description:				
Address	31:		Sec Twp	_S. R East West			
Address	3 2:		Feet from N	orth / South Line of Section			
City:	+ State:+		Feet from E	ast / West Line of Section			
Contact	Person:	County:	County:				
Phone:	()	Lease Name:	We	ell #:			
1.	Name and upper and lower limit of each production into	erval to be commingled:					
	Formation:	(Perfs): _					
	Formation:	(Perfs): _					
	Formation:	(Perfs): _					
	Formation:	(Perfs): _					
	Formation:	(Perfs): _					
□ 3.	Formation:  Formation:  Formation:  Formation:  Plat map showing the location of the subject well, all of	BOPD: BOPD: BOPD:	MCFPD: MCFPD: MCFPD:	BWPD: BWPD: BWPD: BWPD:			
4.	the subject well, and for each well the names and addr Signed certificate showing service of the application ar	·					
For Cor	mmingling of PRODUCTION ONLY, include the followi	ing:					
<u> </u>	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 Cor	mmingling 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 comm	ingled.				
AFFIDA	VIT: I am the affiant and hereby certify that to the bes	t of my					

**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 wihin 15 days of publication of the notice of application.



Confidentiality Requested: ✓ Yes ☐ No Kansas Corporation Commission Oil & Gas Conservation Division 1277357

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	API No. 15 - 15-109-21372-00-01
Name: Ritchie Exploration, Inc.	Spot Description: 140'N & 90'W of
Address 1: 8100 E 22ND ST N # 700	
Address 2: BOX 783188	800 Feet from ☐ North / ✓ South Line of Section
City: WICHITA State: KS Zip: 67278 + 3188	1890 Feet from East / 🗹 West Line of Section
Contact Person: Peter Fiorini	Footages Calculated from Nearest Outside Section Corner:
Phone: (316) 691-9500	□ne □nw □se ☑sw
CONTRACTOR: License # 6426	GPS Location: Lat:, Long:
Name: Express Well Service & Supply Inc	
Wellsite Geologist; Mike Engelbrecht	Datum: NAD27 NAD83 WGS84
Purchaser: CHS	County: Logan
	Lease Name: Baker 31C Well #: 1
Designate Type of Completion:	Field Name;
New Well	Producing Formation: LKC/Fort Scott
☑ OII ☐ WSW ☐ SWD ☐ SIOW	Elevation: Ground: 3044 Kelly Bushing: 3049
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Total Vertical Depth: 4784 Plug Back Total Depth: 4741
☐ OG ☐ GSW ☐ Temp. Abd.	Amount of Surface Pipe Set and Cemented at: 218 Feet
CM (Coal Bed Methane)	1
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
f Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: 2370 Feet
Operator: Ritchie Exploration, Inc.	If Alternate II completion, cement circulated from: 0
Well Name: Baker 31C	feet depth to: 2370 w/ 400 sx cmt.
Original Comp. Date: 11/29/2014 Original Total Depth; 4784	
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	·
GSW Permit #:	Operator Name:
	Lease Name: License #:
12/14/2015	QuarterSecTwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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

К	C Office Use Of	NLY
Confidentiality Re	uested 3	
Oonfidential Relea	e Date:	
☐ Wireline Log Rece	/ed	
Geologist Report	eceived	
UIC Distribution		
ALT 🔲 I 🗹 II 🔲 III	Approved by: NAOMIJ	MES Date: 01/14/2016

Page Two Operator Name: Ritchie Exploration, Inc. Baker 31C Well #: Lease Name: County: Logan S. R.34 East West 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). Formation (Top), Depth and Datum Yes ✓ No Log ✓ Sample Drill Stem Tests Taken (Attach Additional Sheets) Datum Attached Name Attached Top Attached ✓ No Yes Samples Sent to Geological Survey ✓ No Cores Taken ∟ Yes Yes ✓ No Electric Log Run List All E. Logs Run: CASING RECORD ✓ New Used Report all strings set-conductor, surface, intermediate, production, etc. Type and Percent # Sacks Weight Setting Size Hole Size Casing Type of Purpose of String Cement Used Additives Set (In O.D.) Lbs. / Ft. Depth Drilled 2% gel, 3% cc Surface 12.25 8.625 23 218 Common 170 7.875 4.5 10.5 4767 owc 225 10% sat 2% gel, 1/4% CO-31,5% gilson Production ADDITIONAL CEMENTING / SQUEEZE RECORD Depth Purpose: # Sacks Used Type and Percent Additives Type of Cement Top Bottom Perforate Protect Casing Plug Back TD Plug Off Zone Yes **√** No (If No, skip questions 2 and 3) Did you perform a hydraulic fracturing treatment on this well? Yes No No (If No, skip question 3) Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? (If No, fill out Page Three of the ACO-1) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Depth Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 500 Gal 15% NE 4122-4130 TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes V No 4706 2.375 Date of First, Resumed Production, SWD or ENHR. Producing Method: 12/18/2015 Flowing ✓ Pumping Gas Lift Other (Explain) Gas-Oil Ratio Estimated Production Oil Mcf Water Gravity Bbls. Gas Per 24 Hours 8.31 .08 25

METHOD OF COMPLETION: PRODUCTION INTERVAL: DISPOSITION OF GAS: Dually Comp. ✓ Commingled Open Hote Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion	
Operator Ritchie Exploration, Inc.		
Well Name	Baker 31C 1	
Doc ID	1277357	

## Tops

Name	леже <mark>Порта в настан</mark> а	<b>Dalum</b> Line (12.74 See 14.27
Anhydrite	2367	+682
B/Anhydrite	2385	+664
Stotler	3490	-441
Heebner	3855	-806
Toronto	3870	-821
Lansing	3902	-853
Muncie Shale	4070	-1021
Stark	4164	-1115
Hush	4211	-1162
BKC	4259	-1210
Marmaton	4281	-1232
Altamont	4314	-1265
Pawnee	4392	-1343
Myrick	4432	-1383
Fort Scott	4446	-1397
Cherokee Shale	4472	-1423
Johnson	4554	1505
Morrow Shale	4608	-1559
Mississippian	4645	-1596

### APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

## #1 Baker 31C 800' FSL & 1890' FEL Section 31-15S-34W Logan Co., KS

#### Township 15 South, Range 34 West

Logan Co., KS

Sec. 31: NE/4 Melvin Baker Mineral Owner

950 E County Road I Marienthal, KS 67863

CoBank, FCB Mineral Owner

PO Box 2940

Wichita, KS 67201-2940

W/2, Ritchie Exploration, Inc. Operator: #1 Baker 31C,

SE/4 PO Box 783188 #1 Baker 31CD Unit,

Wichita, KS 67278-3188 #1 Baker 31D

Melvin Baker Mineral Owner

CoBank, FCB Mineral Owner

### Township 15 South, Range 35 West

Logan Co., KS

Sec. 36: SE/4 Ritchie Exploration, Inc. Lessee

#### Township 16 South, Range 35 West

Wichita Co., KS

Sec. 1: NE/4 Russell Oil Inc. Lessee

PO Box 8050

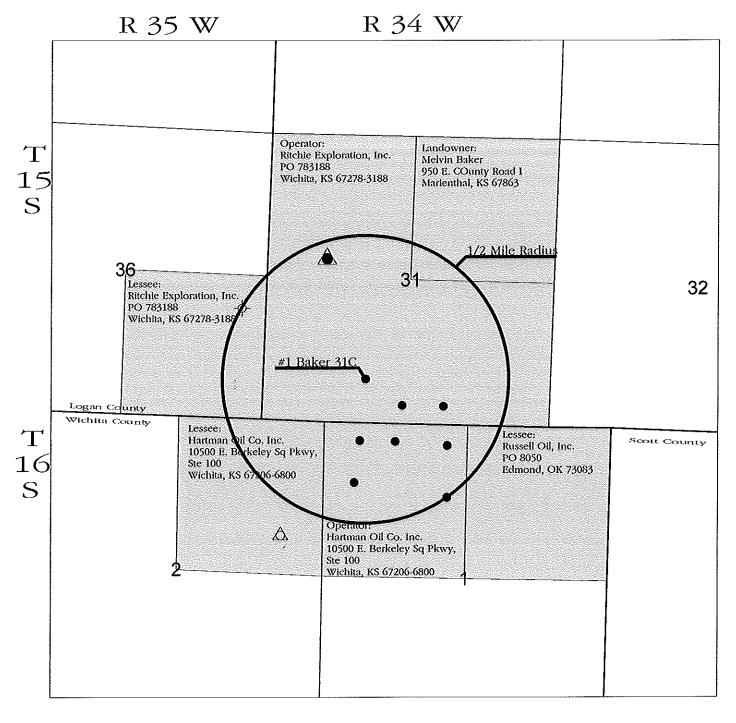
Edmond, OK 73083

NW/4 Hartman Oil Company, Inc. Operator: Rose #1-1. Rose #2-1,

10500 E. Berkeley Sq. Pkwy, Ste. 100 Rose #3-1, Rose #4-1,

Wichita, KS 67206-6800 Rose #5-1

Sec. 2: NE/4 Hartman Oil Company, Inc. Lessee



## Legend

- Oil Well
- Dry and Abandoned Well
- A Service Well
- Abandoned Location



Application for Commingling of Production or Fluids

Applicant Well: #1 Baker 31C
All Wells on Offsetting Leases within ½ Mile Radius
Name and Address of Lessee of Record or Operator
On Offsetting Leases

Logan, Wichita, Scott Counties, Kansas

Prepared By: Scale: Date:
Justin Clegg 1:21,120 November 16, 2017

#### **AFFIDAVIT**

STATE OF KANSAS )

- SS.

County of Sedgwick

Peter Fiorini, of lawful age, being first duly sworn, deposeth and saith: That he is Geologist/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 Baker 31C #1 well located in the County of Logan (see attached plat map). This notice included a letter regarding the Commingle Application. All notices were mailed on December 21, 2017.

KAREN HOPPER Notary Public, State of Kansas

made as aforesaid on the 21st of

December A.D. <u>2017</u>

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

21st day of December 2017

Notary Public Sedgwick County, Kansas



## LEGAL PROOF OF PUBLICATION

Account#	Ad Number	Identification	PO	Amount	Cols	Lines
453699	0003426434	Published in the Wichita Eagle December 8, 2017		\$135.80	1	37

Attention: karen hopper

RITCHIE EXPLORATION INC

LEGAL PUBLICATION

Published in the Wichite Eagle
December 8, 2011 (1986) HI.

1EGAL NOTICE
You, and each of you, are hereby notified that Richite
Exploration, inc has fied an appoint to commence
the commissing of production from the First Scott
and Lassing (Kensas City sources of supply for the £1
Baster DIC well located approx. Eir 25 E SW of Section
11-15-31/I, Logan Courty, Kensas.
Any presons who object to or protest this application
shall be resolved to the filter objections or protests
with the Conservation Division of the State Corporation
Commission of the State of Kensas while affect (15) days
from the date of the publication. These protests shall
be filed bursuant to Commission reputations and must
state specific reasons why the strain of the application
may cause waste, widate correlative rights or poliute
the subtrail resources of the state of Kansas.
If no protests are received, this anostication may be
graded through a summary proceeding. If yield
protests are received, this matter with easter freeine
All persons indirected or concerned shall have refree of
the foregoins and shall govern themselves accordingly.

AT persons between the County of the foregoing and shall some hierashies accordingly.
RITCHE EXPLORATION, INC.
P.O. Box 783183
World & XS 47378-3183
(316) 691-9509

P O BOX 783188

WICHITA, KS 672783188

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

Insertions

Beginning issue of:

12/08/2017

Ending issue of:

12/08/2017

STATE OF KANSAS)

.SS

County of Sedgwick)

Date Seiwert, 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 County, which said basis in continuously newspaper has been uninterruptedly published in said County for more than one year prior to the first of the notice hereinafter publication 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 12/8/2017 to 12/08/2017.

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

(Signature of Principal Clerk)

DATED: 12/7/2017

Pootic Sedgwick County, Kansas

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

## of Publication

Proof of F
State of Kansas, County of Logan, ss:
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 13 day of DCC, 2017
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 \$ 4680
Affidavit, Notary's Fees \$
Additional Copies @ \$
Total Publication Fee \$ \frac{1}{6}\text{8} U
(Signed) Dawn Wendel
Witness my hand this \( \frac{13}{20} \) day of \( \frac{1000}{000} \), 20 \( \frac{1000}{000} \)
SUBSCRIBED and SWORN to before me this
day of
Motary Public)
My commission expires 2-7-20/8

RELLY C. ANGERSON

THE REST PORCE - BLOS OF PARTIES

1.17 ASSA ENDIGES

production from the Fort Scott and Lansing/Kansas City sources of supply for the #1 Baker 81C well located approx E/2 SE 8W of Section 31-158-34W, Logan County, Kansas: Any persons who object to or protest this application shall be required to file their diections 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 correlativerightsorpollute 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.

J 9 3

PO Box 783188

14.00

Wichita, KS 67278-3188 (816) 691-9500

(First published in the Oakley Graphic December

You and each of you are herebynotified that Ritchle Exploration, Inc. has filed

anapplicationtocommence

the commingling of

13, 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/

Sam Brownback, Governor

Pat Apple, Chairman Shari Feist Albrecht, Commissioner Jay Scott Emler, Commissioner

January 5, 2018

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

RE: Approved Commingling CO121702 Baker 31C 1 API No. 15-109-21372-00-01

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 Fort Scott 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