



KANSAS CORPORATION COMMISSION 1236112
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: _____
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

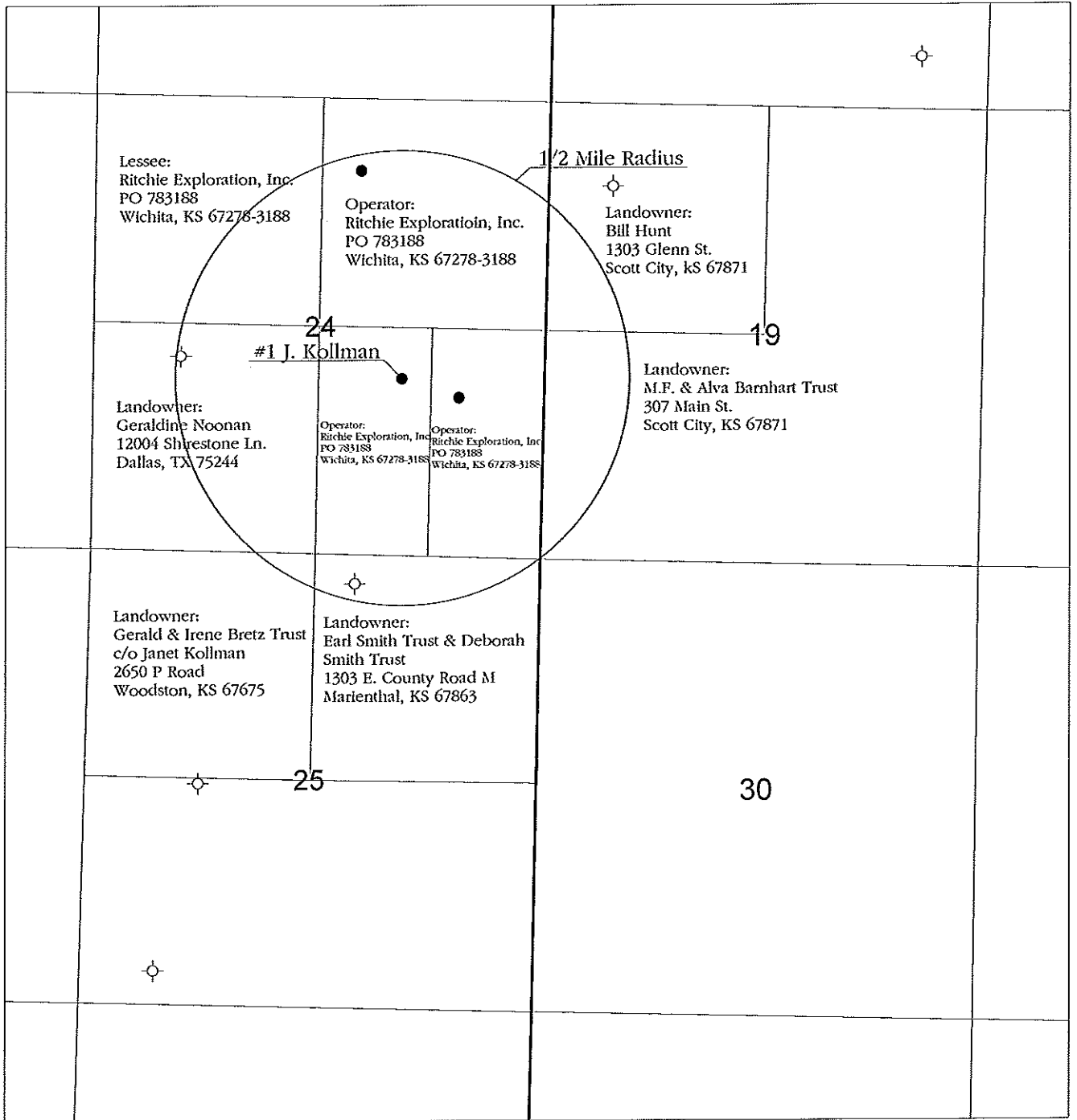
KCC Office Use Only
 Denied Approved
15-Day Periods Ends: _____
Approved By: _____ Date: _____

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 35 W

R 34 W

T
17
S



Legend

- Oil Well
- ⊕ Dry and Abandoned Well



Application for
Commingling of
Production or Fluids

Applicant Well: #1 J. Kollman
All Wells on Offsetting Leases within 1/2 Mile Radius
Name and Address of Lessee of Record or Operator
On Offsetting Leases

Wichita / Scott County, Kansas

Prepared By:
Justin Clegg

Scale:
1 : 21,500

Date:
November 25, 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 J. Kollman
2050' FSL & 1655' FEL
Section 24-17S-35W
Wichita Co., KS**

**Township 17 South, Range 34 West
*Wichita Co., KS***

Sec. 24:	NE/4	Ritchie Exploration, Inc. PO Box 783188 Wichita, KS 67228	Operator: #1 Simons 24A
	NW/4	Ritchie Exploration, Inc.	Lessee
	SW/4	Geraldine Noonan 12004 Shirestone Ln. Dallas, TX 75244	Landowner
	W/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Kollman, J.
	E/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Kollman 24D
Sec. 25:	NW/4	Gerald & Irene Bretz Trust c/o Janet Kollman 2650 P Road Woodston, KS 67675	Landowner
	NE/4	Earl Smith Trust & Deborah Smith Trust 1303 E. County Road M Marienthal, KS 67863	Landowner

**Township 17 South, Range 35 West
*Scott Co., KS***

Sec. 19:	E/2, SW/4	M.F. & Alva Barnhart Trust 307 Main St. Scott City, KS 67871	Landowner
	NW/4	Bill Hunt 1303 Glenn St. Scott City, KS 67871	Landowner

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 13th of

December 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

15th December, 2014

JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appt. Expires 14/2017

JRB
Notary Public Sedgwick County, Kansas

Printer's Fee : \$125.60

LEGAL PUBLICATION
Published In The Wichita Eagle
December 13, 2014 (3330318)
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, Allamont, and Mississippian sources of supply for the #1 J. Kollman well located approx. SW NE NW SE of Section 24-17S-35W, Wichita 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 Wichita, ss:

Paige Weaver

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

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

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

- 1st Publication was made on the 17 day of Dec, 20 14
- 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 \$ 6210
 Affidavit, Notary's Fees \$ _____
 Additional Copies @ _____ \$ _____
 Total Publication Fee \$ 6210

Paige Weaver

(Signed)

Witness my hand this 17 day of Dec, 20 14

SUBSCRIBED and SWORN to before me this 17

day of Dec, 20 14.

Kelly C Anderson

(Notary Public)

My commission expires 2-7-2018



(First published in the Leoti Standard on December 17, 2014)

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, Altamont, and Mississippi sources of supply for the #1 J. Kollman well located approx. SW NE NW SE of Section 24-17S-35W, Wichita County, Kansas.

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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: Dave Williams
Purchaser: Plains

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 #: _____

10/05/2012	10/20/2012	10/20/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-203-20189-00-00
Spot Description: 70' N & 5'W of E2NWSE
SW NE NW SE Sec. 24 Twp. 17 S. R. 35 East West
2050 Feet from North / South Line of Section
1655 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wichita
Lease Name: J. Kollman Well #: 1
Field Name: _____
Producing Formation: LKC, Altamont & Mississippian
Elevation: Ground: 3164 Kelly Bushing: 3172
Total Depth: 5060 Plug Back Total Depth: 5029
Amount of Surface Pipe Set and Cemented at: 251 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2380 Feet
If Alternate II completion, cement circulated from: 2380
feet depth to: 0 w/ 400 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 22000 ppm Fluid volume: 900 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: 01/23/2013
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 01/23/2013

1109509

Operator Name: Ritchie Exploration, Inc. Lease Name: J. Kollman Well #: 1
 Sec. 24 Twp. 17 S. R. 35 East West County: Wichita

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attached	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
Dual Induction Log			
Compensated Density/Neutron Log			

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	24	251	Common	160	3% cc, 2% gel
Production	7.88	5.5	15.5	5054	OWC	175	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	4302-4373	Common	100	10% salt
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> 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
Attached	Attached	Attached	Attached

TUBING RECORD:	Size: <u>2.88</u>	Set At: <u>4969'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>12/13/2012</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>17.79</u>	Gas Mcf	Water Bbls. <u>25.90</u>	Gas-Oil Ratio <u>25</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	J. Kollman 1
Doc ID	1109509

Perforations

Perforation ID	Perforation Depth	Material Perforated	Depth
4	4914.5' - 4917.5' (11/19/12)		
4	4539' - 4545', 4521'- 4524' (11/20/12)	1000 gals 15% NE	
4	4369' - 4373' (11/20/12)	500 gals 15% NE	
4	4302.5' - 4307.5' (11/20/12)	500 gals 15% NE	
4	4165.5' - 4168/5' (11/20/12)		
4	4104.5' - 4107.5' (11/20/12)	500 gals 15% NE	



#1 J. Kollman

2050' FSL & 1655' FEL
Section 24-17S-35W
Wichita County, Kansas
API# 15-203-20189-00-00
Elevation: 3164' GL, 3172' KB

Sample Tops			Ref. Well
Anhydrite	2450'	+722	+5
B/Anhydrite	2469'	+703	+4
Stotler	3635'	-463	+2
Heebner	4019'	-847	+3
Toronto	4035'	-863	+2
Lansing	4064'	-892	+4
Muncie	4254'	-1082	-2
LKC "H"	4267'	-1095	-6
Stark Shale	4358'	-1186	-5
Hush. Shale	4405'	-1233	-4
BKC	4442'	-1270	+5
Marmaton	4464'	-1292	+12
Altamont	4496'	-1324	+5
Pawnee	4586'	-1414	-4
Myrick	4620'	-1448	-1
Fort Scott	4638'	-1466	-2
Cherokee Shale	4666'	-1494	-3
Johnson	4776'	-1604	-3
Morrow Shale	4805'	-1633	-2
Mississippian	4886'	-1714	+7
RTD	5060'	-1888	

AFFIDAVIT

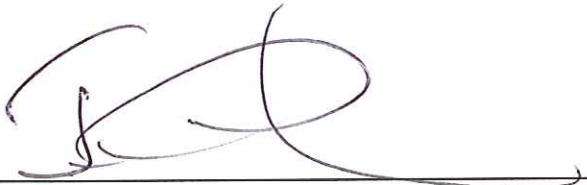
STATE OF KANSAS)
 - SS.
County of Sedgwick)

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 J. Kollman #1 well located in the County of Wichita (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on December 9, 2014.

made as aforesaid on the 9th 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

9th day of December 2014




Notary Public Sedgwick County, Kansas

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

January 2, 2015

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

RE: Approved Commingling CO121403
J. Kollman 1
API No. 15-203-20189-00-00

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 Mississippian 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