



KANSAS CORPORATION COMMISSION 1080473
 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 #* **CO051201**

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

API No. 15 - 15-101-22231-00-00
 Spot Description: 140' N & 70' E OF
S2 NE NE Sec. 7 Twp. 17 S. R. 30 East West
850 Feet from North / South Line of Section
590 Feet from East / West Line of Section
 County: Lane
 Lease Name: Cramer 7A Well #: 1

1. Name and upper and lower limit of each production interval to be commingled:
 Formation: Johnson (Perfs): 4520-4524, 4528-4531
 Formation: LKC-C/D/E (Perfs): 4024-4026, 3983-3986, 3969-3974
 Formation: _____ (Perfs): _____
 Formation: _____ (Perfs): _____
 Formation: _____ (Perfs): _____

2. Estimated amount of fluid production to be commingled from each interval:
 Formation: Johnson BOPD: 3.01 MCFPD: 0 BWPD: 4.38
 Formation: LKC-C/D/E BOPD: 22.04 MCFPD: 0 BWPD: 141.57
 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

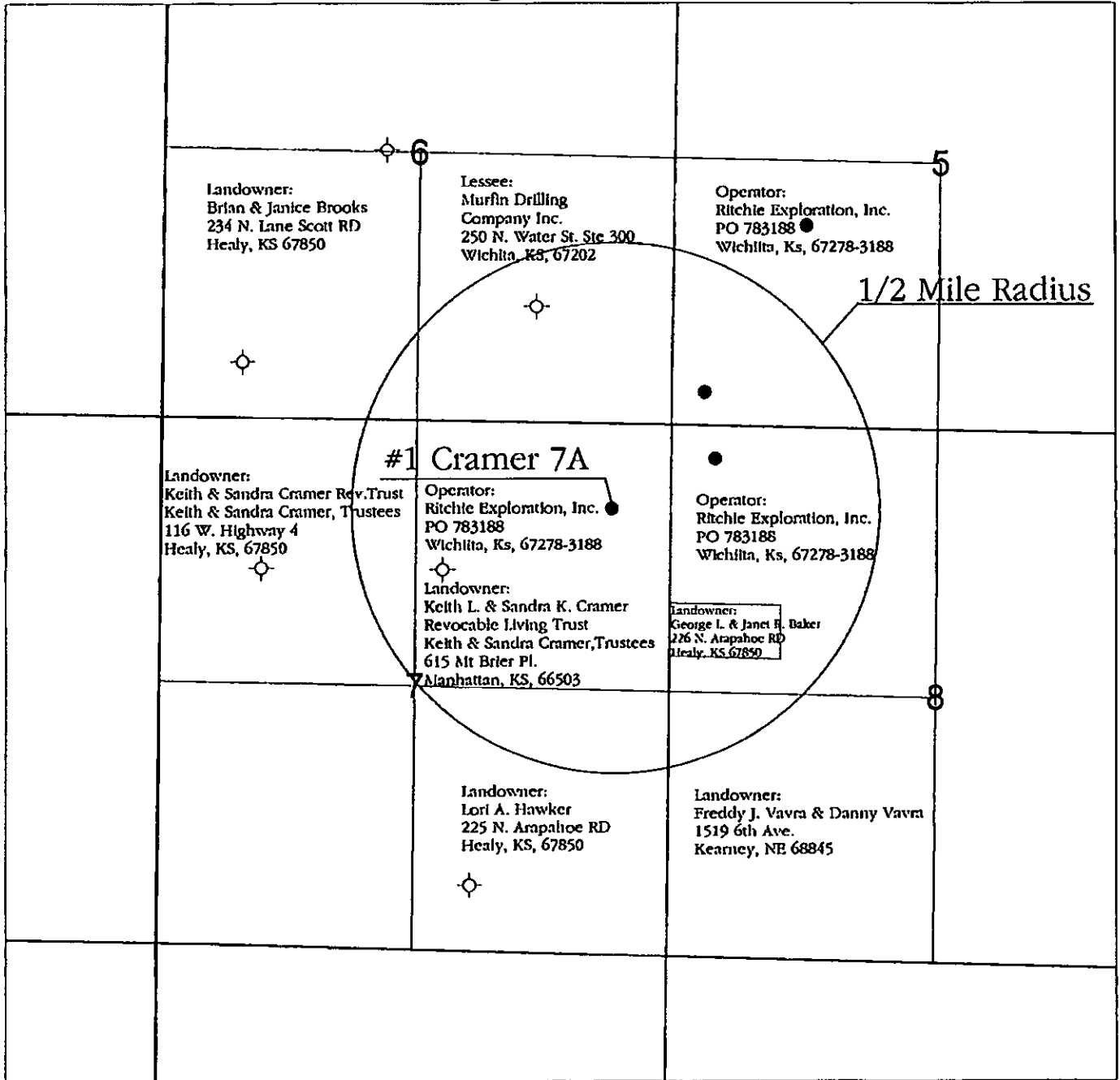
15-Day Periods Ends: 5/17/2012

Approved By: Rick Hestermann Date: 05/17/2012

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



Legend

- Oil Well
- ⊕ Dry and Abandoned Well



RITCHIE
EXPLORATION, INC.
Wichita, Kansas

**Application for
Commingling of
Production or Fluids**

Applicant Well: #1 Cramer 7A
All Wells on Offsetting Leases within 1/2 Mile Radius
Name and Address Of Lessee of Record or Operator
On Offsetting Leases

<small>Prepared By:</small> Adam Bidant	<small>Scale:</small> 1 : 18,000	<small>Date:</small> April 23, 2012
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APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#1 Cramer 7A
850' FNL & 590' FEL
Section 7-17S-30W
Lane Co., KS**

Township 17 South, Range 30 West

Sec. 5:	SW/4	Ritchie Exploration, Inc.	Operator: Wilkens 5C #1; Wilkens 5C #2
Sec. 6:	SW/4	Brian & Janice Brooks 234 N. Lane Scott RD Healy, KS 67850	Landowner
	SE/4	Murfin Drilling Company, Inc. 250 N. Water St., Ste 300 Wichita, KS 67202	Lessee
Sec. 7:	NW/4	Keith & Sandra Cramer Rev. Trust Keith & Sandra Cramer, Trustees 116 W. Highway 4 Healy, KS 67850	Landowner
	NE/4	Ritchie Exploration, Inc. Keith L. & Sandra K. Cramer Revocable Living Trust Keith & Sandra Cramer, Trustees 615 Mt Brier Pl. Manhattan, KS 66503	Operator: #1 Cramer 7A Mineral Owners
	SE/4	Lori A. Hawker 225 N. Arapahoe RD Healy, KS 67850	Landowner
Sec. 8:	NW/4, less a 15.7 acre tract	Ritchie Exploration, Inc.	Operator: #1 Sharp Seed 8B

Sec. 8: 15.7 acre tract George L. & Janet R. Baker Landowner
in NW/4 226 N. Arapahoe RD
 Healy, KS 67850

SW/4 Freddy J. Vavra & Danny Vavra Landowners
 1519 6th Ave.
 Kearney, NE 68845

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 Cramer 7A #1 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 April 26, 2012.

made as aforesaid on the 26th of

April A.D. 2012

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

26th day of April 2012

KAREN HOPPER
NOTARY PUBLIC-STATE OF KANSAS
MY APPT. EXPIRES 3.8.15



Notary Public Sedgwick County, Kansas

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 30th of

April A.D. 2012 , with

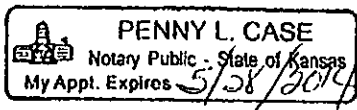
subsequent publications being made on the following dates:

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

30th day of April, 2012



Penny L Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$91.60

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
APRIL 30, 2012 (3182098)
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, and Johnson sources of supply for the #1 Cramer 7A well located approx. S/2 NE NE of Section 7-17S-34W, 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 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 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 paper was entered as second class matter at the post office of its publication;

THAT said paper has a general paid circulation on a daily, or weekly, or 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 2 day of May, 2012
 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 \$ 4320
 Affidavit, Notary's Fees \$ _____
 Additional Copies ___@___ \$ _____
 Total Publication Fee \$ 4320

(Signed) Mary Hartman
 Witness my hand this 2 day of May, 2012

SUBSCRIBED and SWORN to before me this 2 day of May, 2012

Kelly C Anderson
 (Notary Public)

My commission expires 2-7-2014



Legal

(First published in The Dighton Herald Wednesday, May 2, 2012)
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 and Johnson sources of supply for the #1 Cramer 7A well located approx S/2 NE NB of Section 7-1/2 S 30W 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. Those 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.
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 Wichita, KS 67278-3188
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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

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 17, 2012

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

RE: Approved Commingling CO051201
Crámer 7A #1, Sec.7-T17S-R30W, Lane County
API No. 15-101-22231-00-00

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. This application, which was received by the KCC on May 7, 2012, 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	
Johnson	3.01	0.00	4.38	4520-4524, 4528-4531
LKC-C/D/E	22.04	0.00	141.57	4024-4026, 3983-3986, 3969-3974
Total Estimated Current Production	25.05	0.00	145.95	

Based upon the depth of the Johnson 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 CO051201 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