



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.

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 # 4767 API No. 15 - 063-21836-0000
Name: Ritchie Exploration, Inc. Spot Description: _____
Address 1: P.O. Box 783188 E/2 SE SW Sec. 30 Twp. 13 S. R. 31 East West
Address 2: _____ 520 Feet from North / South Line of Section
City: Wichita State: KS Zip: 67278 + 3188 2,350 Feet from East / West Line of Section
Contact Person: John Niernberger County: Gove
Phone: (316) 691-9500 Lease Name: Joseph 30CD Well #: 1

1. Name and upper and lower limit of each production interval to be commingled:
Formation: Johnson (Perfs): 4521' - 4524'
Formation: LKC/H (Perfs): 4121' - 4124'
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____

2. Estimated amount of fluid production to be commingled from each interval:
Formation: Johnson BOPD: 16.20 MCFPD: 0 BWPD: 5.40
Formation: LKC/H BOPD: 10.80 MCFPD: 0 BWPD: 3.60
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.

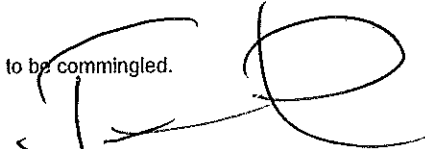
For Commingling of PRODUCTION ONLY, include the following:

- 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.

Signature: 
Printed Name: John Niernberger
Title: Production Manager

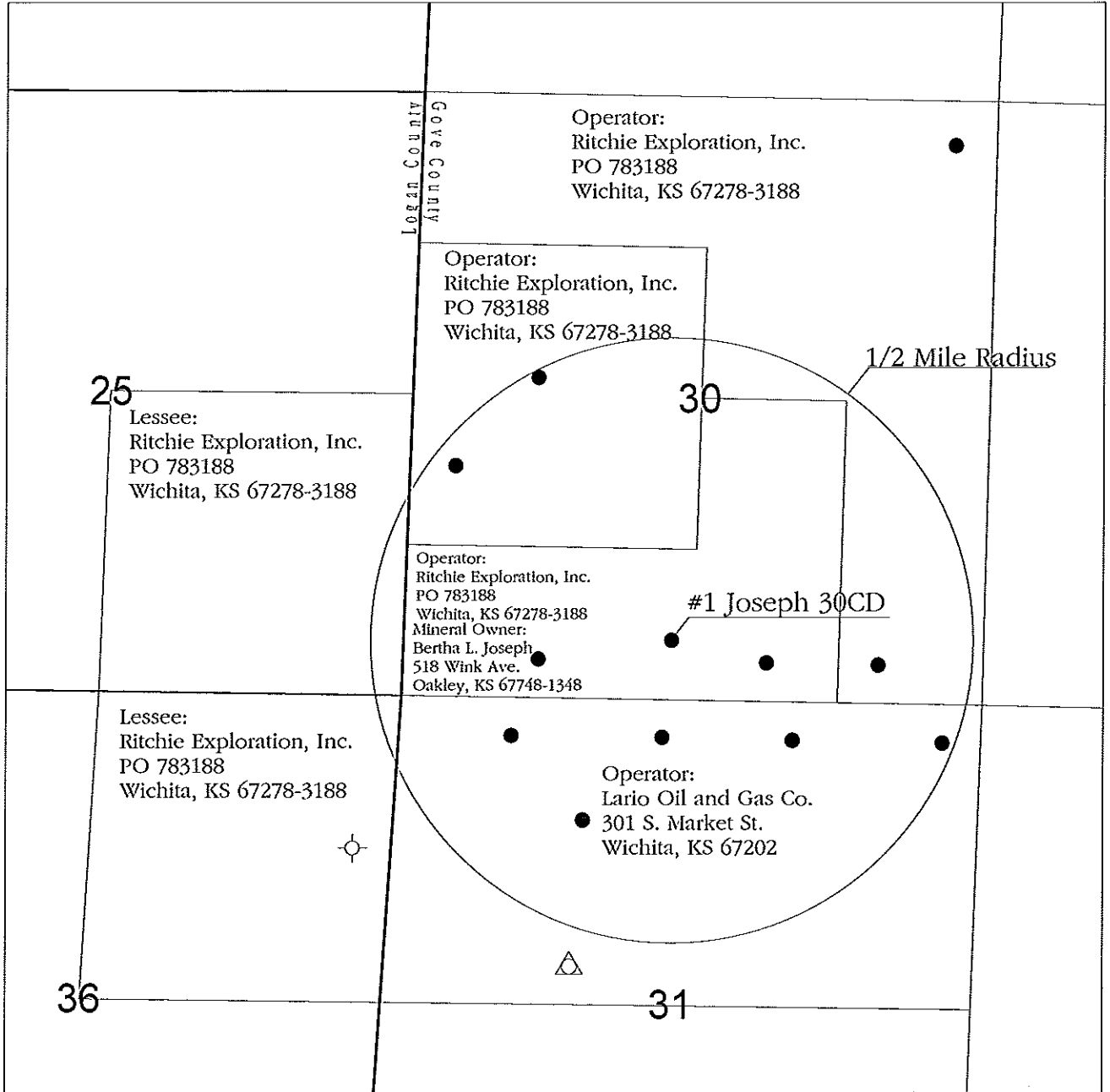
KCC Office Use Only
 Denied Approved
15-Day Periods Ends: _____
Approved By: _____ Date: _____

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 32 W

R 31 W

T
13
S



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



RITCHIE
EXPLORATION, INC.
Wichita, Kansas

**Application for
Commingling of
Production or Fluids**

Applicant Well: #1 Joseph 30CD
All Wells on Offsetting Leases Within 1/2 Mile Radius
Name and Address of Lessee of Record or Operator

Gove / Logan County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 17,000	Date: June 6, 2012

APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#1 Joseph 30CD
520' FSL & 2350' FWL
Section 30-13S-31W
Gove Co., KS**

**Logan County, Kansas
Township 13 South, Range 32 West**

Sec. 25:	SE/4	Ritchie Exploration, Inc.	Lessee
Sec. 36:	NE/4	Ritchie Exploration, Inc.	Lessee

**Gove County, Kansas
Township 13 South, Range 31 West**

Sec. 30:	NE/4, E/2SE/4, E/2N/2NW/4, & Lot 1 of the NW/4	Ritchie Exploration, Inc.	Operator: #1 Joseph, #2 Joseph
	S/2NW/4, N/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Stieben 30BC, #2 Stieben 30BC
	W/2SE/4, S/2SW/4	Ritchie Exploration, Inc.	Operator: #1 Joseph 30CD, #2 Joseph 30CD, #3 Joseph 30CD
		Bertha L. Joseph 518 Wink Ave. Oakley, KS 67748-1348	Mineral Owner
Sec. 31:	N/2	Lario Oil & Gas Co. 301 S. Market St. Wichita, KS 67202	Operator: Knapp #1-31, Knapp #2-31, Knapp #3-31, Knapp #4-31, Knapp #5-31, Knapp #6-31

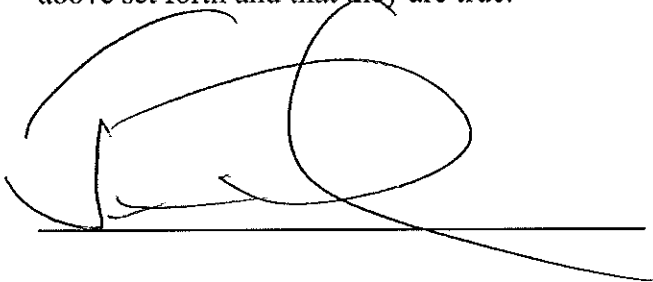
AFFIDAVIT

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 Joseph 30CD #1 well located in the County of Gove (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on June 14, 2012.

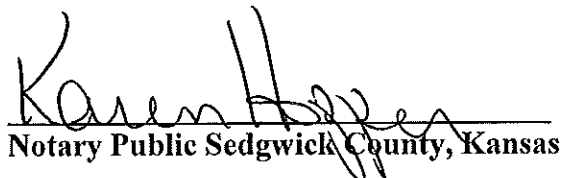
made as aforesaid on the 14th of
June A.D. 2012

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

14th day of June 2012



Notary Public Sedgwick County, Kansas

**KAREN HOPPER
NOTARY PUBLIC-STATE OF KANSAS
MY APPT. EXPIRES 3-8-15**

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 16th of

June A.D. 2012, with

subsequent publications being made on the following dates:

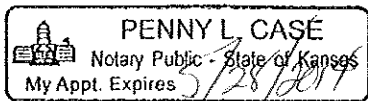
LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
JUNE 16, 2012 (3191000)
LEGAL NOTICE
You, and each of you, are hereby notified that Ritchie Exploration, Inc. has filed an application to commence the commingling of production from the Lansing-Kansas City, and Johnson sources of supply for the #1 Joseph 30CD well located approx. E/2 SE SW of Section 30-13S-31W, Gove 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

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

18th day of June, 2012



Penny L. Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$91.60

AFFIDAVIT OF PUBLICATION

State of Kansas,
Gove County, ss:

Roxanne Broeckelman,
being first duly sworn, deposes and
says: That she is
co-publisher of

Gove County Advocate, a weekly
newspaper printed in the State of
Kansas, and published in and of
general circulation in Gove County,
Kansas, with a general paid
circulation on a weekly basis in
Gove County, Kansas, and that said
newspaper is not a trade, religious
or fraternal publication.

Said newspaper is a weekly
published at least 50 times a year;
and has been so published
continuously and uninterruptedly in
said county and state for a period of
more than five years prior to the first
publication of said notice; and has
been admitted at the post office in
Quinter in said county as periodical
class mail matter.

That the attached notice is a true
copy thereof and was published in
the regular and entire issue of said
newspaper for one
consecutive week(s), the first
publication thereof being made as
aforesaid on the 20th day
of June, 2012,
with subsequent publications being
made on the following dates:

_____, _____
_____, _____
_____, _____
_____, _____
_____, _____
_____, _____

Printer's Fee\$ 19.25
Additional Copies\$ _____
Affidavit Fees\$ 2.00
Total Publication Fees \$ 21.25

Roxanne Broeckelman

Subscribed and sworn to before me
this 20th day of
June, 2012

Linda L. Zerr
Notary Public

My commission expires:
January 8, 2013

LEGAL ADVERTISING
(Published in the Gove County Advocate,
Quinter, KS, Wed., June 20, 2012 - 11)
LEGAL NOTICE
You, and each of you, are hereby notified
that Ritchie Exploration, Inc. has filed an appli-
cation to commence the commingling of pro-
duction from the Lansing-Kansas City, and
Johnson sources of supply for the #1 Joseph
30CD well located approx. E/2 SE SW of
Section 30-13S-31W, Gove County, Kansas.
Any persons who object to or protest this
application shall be required to file their objec-
tions 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 regula-
tions and must state specific reasons why the
grant of the application may cause waste, vio-
late correlative rights or pollute the natural
resources of the state of Kansas.
If no protests are received, this application
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ing. 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

LINDA L. ZERR
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-8-2013

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3118
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling, Co., Inc.
Wellsite Geologist: Terry McLeod
Purchaser: NCRA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, WSW, Expl., Cathodic, 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
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
4/12/10 4/23/10 4/23/10
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21836-0000
Spot Description: 140' S & 40' E of
E/2 SE SW Sec. 30 Twp. 13 S. R. 31 East West
520 Feet from North / South Line of Section
2350 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Joseph 30CD Well #: 1
Field Name: _____
Producing Formation: LKC & Johnson
Elevation: Ground: 2916 Kelly Bushing: 2926
Total Depth: 4625 Plug Back Total Depth: 4573
Amount of Surface Pipe Set and Cemented at: 214 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2391 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2391 w/ 285 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 10000 ppm Fluid volume: 550 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

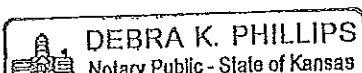
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: _____
Title: Production Manager Date: 8/3/10
Subscribed and sworn to before me this 3rd day of August,
20 10.
Notary Public: Debra K Phillips
Date Commission Expires: 5-4-11

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

 DEBRA K. PHILLIPS
Notary Public - State of Kansas

Operator Name: Ritchie Exploration, Inc. Lease Name: Joseph 30CD Well #: 1
 Sec. 30 Twp. 13 S. R. 31 East West County: Gove

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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 <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density/Neutron 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	12-1/4	8-5/8	23	214	common	175	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4620	ASC	200	10% sat, 2% gel & 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				

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
4	4521'-4524' (5/6/10)	500 gals 15% NE	
4	4121' - 4124' (5/6/10)	500 gals 15% NE	

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4566</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>6/1/10</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
Estimated Production Per 24 Hours	Oil Bbls. <u>200</u> Gas Mcf <u> </u> Water Bbls. <u>18</u> Gas-Oil Ratio <u> </u> Gravity <u>39</u>

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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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#1 Joseph 30CD

520' FSL & 2350' FWL

140' S & 40' E of E/2 SE SW Section 30-13S-31W

Gove County, Kansas

API# 15-063-21836-0000

Elevation: GL: 2916', KB: 2926'

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2399'	+527	flat
B/Anhydrite	2421'	+505	flat
Heebner	3902'	-976	+6
Toronto	3923'	-997	+7
Lansing	3944'	-1018	+8
Lansing "C"	3975'	-1041	+11
Lansing "E"	4022'	-1096	+7
Muncie Shale	4098'	-1172	-1
Lansing "H"	4116'	-1190	-1
Lansing "I"	4148'	-1222	-1
Lansing "J"	4166'	-1240	-1
Stark Shale	4190'	-1264	-1
Lansing "K"	4204'	-1278	-5
Hush.	4226'	-1300	-3
Lansing "L"	4238'	-1312	-5
BKC	4268'	-1339	-6
Marmaton	4286'	-1360	-5
Myric	4425'	-1499	-5
Fort Scott	4444'	-1518	-6
Cherokee Shale	4474'	-1548	-5
Johnson	4518'	-1592	-5
Morrow Sand	4560'	-1634	-21
Mississippian	4585'	-1659	-32
RTD	4625'	-1699	

July 9, 2012

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

RE: Approved Commingling CO061215
Joseph 30CD 1 Sec.30-T13S-R31W, Gove County
API No. 15-063-21836-00-00

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 June 27, 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	16.20	0.00	5.40	4521-4524
LKC/H	10.80	0.00	3.60	4121-4124
Total Estimated Current Production	27.00	0.00	9.00	

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 CO061215 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