



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: _____

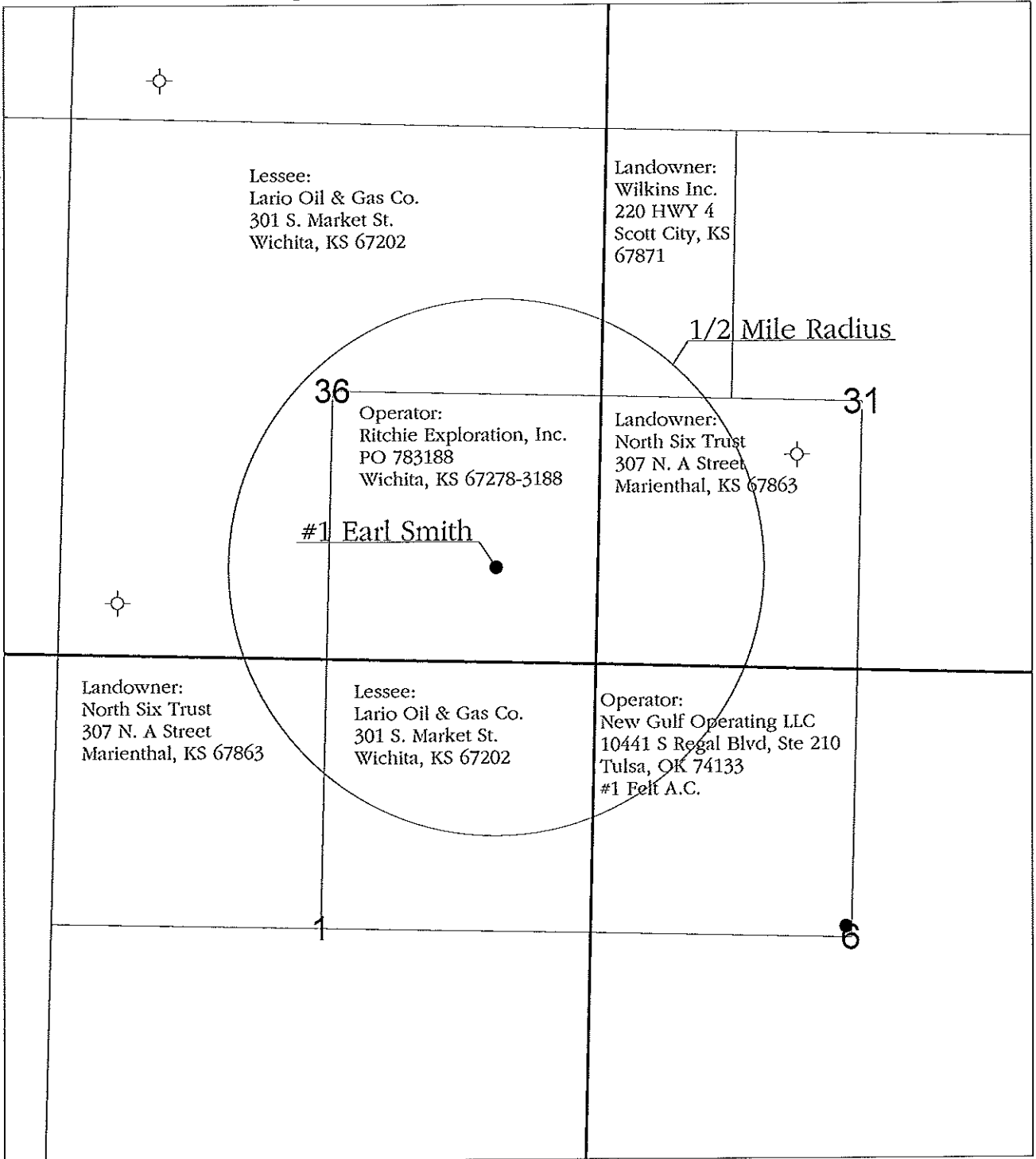
Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.

R 35 W

R 34 W


T
17
S

T
18
S



Legend

- Oil Well
- ⊙ Dry and Abandoned Well

 RITCHIE EXPLORATION, INC. Wichita, Kansas		Application for Commingling of Production or Fluids
Applicant Well: #1 Earl Smith All Wells on Offsetting Leases within 1/2 Mile Radius Name and Address of Lessee of Record or Operator On Offsetting Leases		
Wichita / Scott Counties, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 18,000	Date: June 19, 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 Earl Smith
930' FSL & 1000' FEL
Section 36-17S-35W
Wichita Co., KS**

**Township 17 South, Range 35 West
*Wichita County***

Sec. 36:	W/2; NE/4	Lario Oil & Gas Company 301 S. Market St. Wichita, KS 67202	Lessee
	SE/4	Ritchie Exploration, Inc. P.O. Box 783188 Wichita, KS 67278-3188	Operator: #1 Earl Smith

**Township 18 South, Range 35 West
*Wichita County***

Sec. 1:	NW/4, ex. 10 acre tract	North Six Trust 307 N. A Street Marienthal, KS 67863	Landowner
	NE/4	Lario Oil & Gas Company	Lessee

**Township 17 South, Range 34 West
*Scott County***

Sec. 31:	W/2NW/4	Wilkens, Inc. 220 HWY 4 Scott City, KS 67871	Landowner
	SW/4	North Six Trust 307 N. A Street Marienthal, KS 67863	Landowner

**Township 18 South, Range 34 West
*Scott County***

Sec. 6:	NW/4	New Gulf Operating LLC 10441 S. Regal Blvd., Ste. 210 Tulsa, OK 74133	Operator: #1 Felt A.C.
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AFFIDAVIT

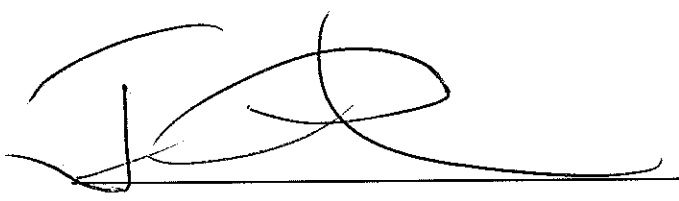
STATE OF KANSAS)
 - SS.
County of Sedgwick)

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 Earl Smith #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 June 24, 2014.

made as aforesaid on the 25th of


June 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

25th day of June 2014



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 29th

June 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

30th day of June, 2014

JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appt. Expires 6/9/2017

JRB

Notary Public Sedgwick County, Kansas

Printer's Fee : \$210.60

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 Pawnee sources of supply for the #1 Earl Smith well located approx. SW NW SE SE of Section 36-17S-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:

Patricia Mayre

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 2 day of July, 2014
- 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 \$ _____
 Affidavit, Notary's Fees \$ _____
 Additional Copies _____ @ _____ \$ _____
 Total Publication Fee \$ 54.90

Patricia Mayre
(Signed)

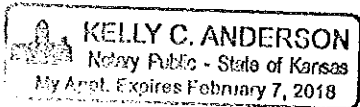
Witness my hand this 3 day of July, 2014

SUBSCRIBED and SWORN to before me this _____

day of _____, 20 _____.

Kelly C Anderson
(Notary Public)

My commission expires 2-7-2018



(First Published in the Leoti Standard Wednesday, July 2, 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 Pawnee sources of supply for the #1 Earl Smith well located approx. SW NW SE SE of Section 36-17S-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 # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Max Lovely
Purchaser: Plains Marketing

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 #: _____

03/19/2012	03/31/2012	03/31/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-203-20173-00-00
Spot Description: 60'S & 10'W of NWSESE
SW_NW_SE_SE Sec. 36 Twp. 17 S. R. 35 East West
930 Feet from North / South Line of Section
1000 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wichita
Lease Name: Earl Smith Well #: 1
Field Name: _____
Producing Formation: LKC, Allamont & Pawnee
Elevation: Ground: 3165 Kelly Bushing: 3176
Total Depth: 5035 Plug Back Total Depth: 4998
Amount of Surface Pipe Set and Cemented at: 257 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2422 Feet
If Alternate II completion, cement circulated from: 160
feet depth to: 2422 w/ 450 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 21000 ppm Fluid volume: 1200 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: 07/03/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 07/03/2012



1086347

Operator Name: Ritchie Exploration, Inc. Lease Name: Earl Smith Well #: 1
 Sec. 36 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 <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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction 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	257	Common	175	3% cc & 2% gel
production	7.88	5.5	15.5	5021	OWC	175	10% salt, 2% gel, 5# per sack total, 1

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-160	60/40 Poz	50	
	-			

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	4613' - 4617' (5/1/12)	750 gals 15% NE	
4	4560' - 4565' (5/1/12)	750 gals 15% NE	
4	4320' - 4324' (5/1/12)		

TUBING RECORD: Size: 2.88 Set At: 4961' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: 05/09/2012
 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls. <u>104.86</u>	Gas Mcf	Water Bbls. <u>0.42</u>	Gas-Oil Ratio	Gravity <u>26</u>
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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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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#1 Earl Smith
 930' FSL & 1000' FEL
 60' S & 10' W of NW SE SE Section 36-17S-35W
 Wichita County, Kansas
 API# 15-203-20173-0000
 Elevation: 3165' GL, 3176' KB

Sample Tops			Ref. Well
Anhydrite	2456'	+720	+6
B/Anhydrite	2476'	+700	+6
Stotler	3646'	-470	-9
Heebner	4040'	-864	-19
Lansing	4084'	-908	-17
Muncie Shale	4264'	-1088	-9
Stark Shale	4377'	-1201	-15
Hush	4418'	-1242	-12
BKC	4468'	-1292	-18
Pleasanton	4475'	-1299	-17
Marmaton	4506'	-1330	-22
Altamont	4529'	-1353	-15
Pawnee	4620'	-1444	-13
Fort Scott	4659'	-1483	-11
Cherokee	4686'	-1510	-15
Johnson	4800'	-1624	-14
B/Johnson	4834'	-1658	-15
Morrow	4840'	-1664	-14
Mississippian	4954'	-1778	-20
RTD	5035'	-1859	

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/>

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

Sam Brownback, Governor

July 17, 2014

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

RE: Approved Commingling CO071402
Earl Smith 1
API No. 15-203-20173-00-00

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 Pawnee 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