

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 # CO 090904

OPERATOR: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 1: P.O. Box 783188  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67278 + 3188  
Contact Person: John Niernberger  
Phone: (316) 691-9500

API No. 15 - 195-21142-00-01  
Spot Description: \_\_\_\_\_  
NE NW NE Sec. 17 Twp. 11 S. R. 22  East  West  
330 Feet from  North /  South Line of Section  
1,650 Feet from  East /  West Line of Section  
County: Trego  
Lease Name: Carpenter B Well #: 2

- 1. Name and upper and lower limit of each production interval to be commingled:
 

Formation: <u>Arbuckle</u>	(Perfs): <u>3836' - 3861' (perf) 3861' - 3882 (OH)</u>
Formation: <u>Marmaton</u>	(Perfs): <u>3770' - 3794'</u>
Formation: <u>LKC</u>	(Perfs): <u>3481' - 3617'</u>
Formation: _____	(Perfs): _____
Formation: _____	(Perfs): _____

- 2. Estimated amount of fluid production to be commingled from each interval:
 

Formation: <u>Arbuckle</u>	BOPD: <u>1.55</u>	MCFPD: _____	BWPD: <u>19.78</u>
Formation: <u>Marmaton</u>	BOPD: <u>0.67</u>	MCFPD: _____	BWPD: <u>0.67</u>
Formation: <u>LKC</u>	BOPD: <u>0.58</u>	MCFPD: _____	BWPD: <u>4.75</u>
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. *on file*

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KANSAS CORPORATION COMMISSION

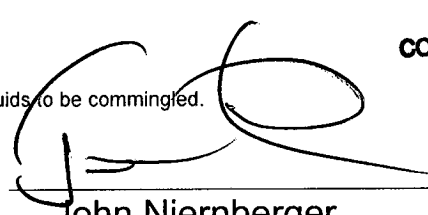
SEP 17 2009

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.

CONSERVATION DIVISION  
WICHITA, KS

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

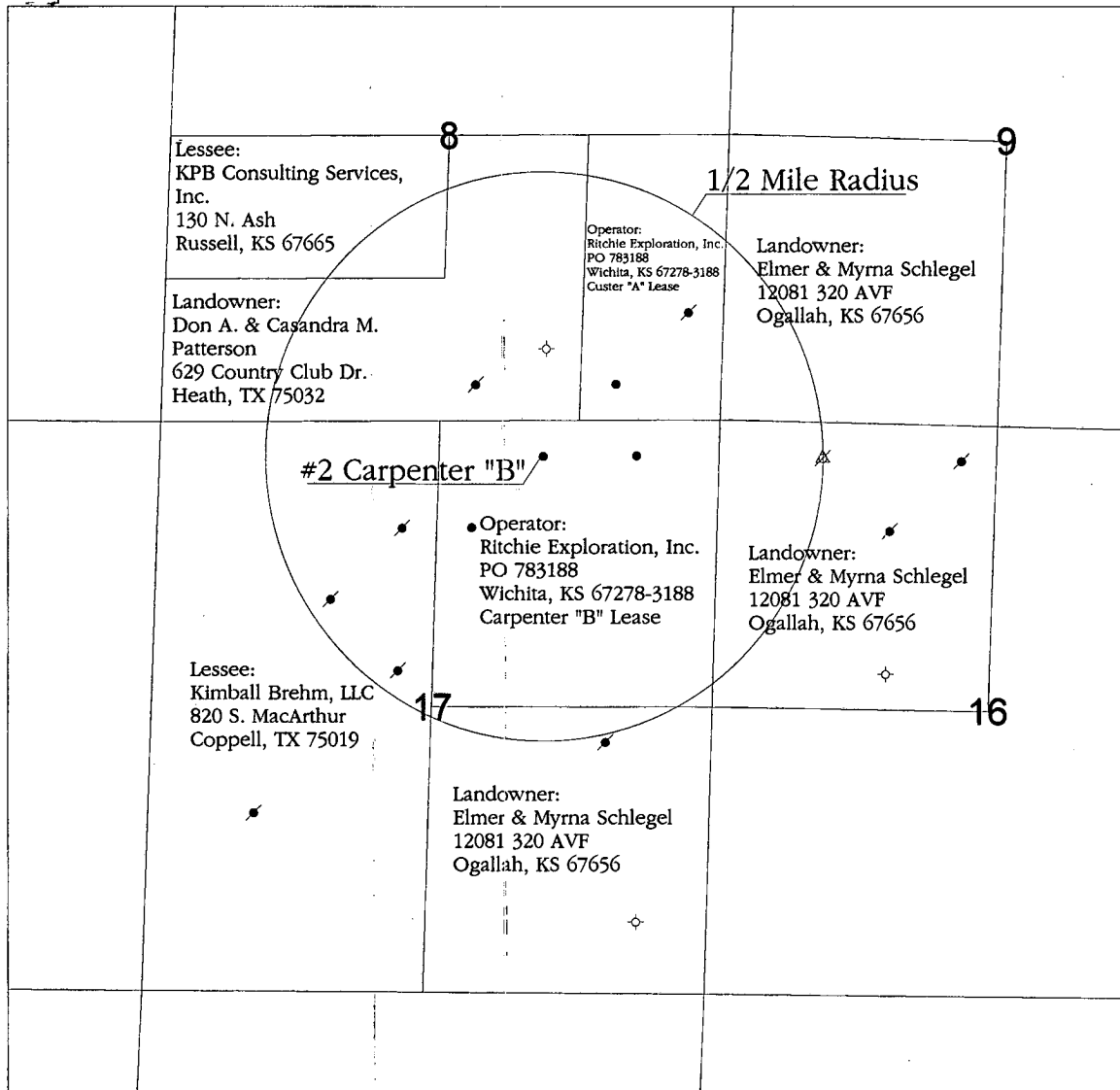
15-Day Periods Ends: 10/9/2009

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 22 W

T  
11  
S



Legend

- Oil Well
- / Abandoned Oil Well
- / Dry and Abandoned Well
- / Abandoned Service Well
- Lease boundary

 <b>RITCHIE</b> EXPLORATION, INC. Wichita, Kansas		Application for Commingling of Production or Fluids
Applicant Well: #2 Carpenter "B" Wells on Offsetting Leases within 1/2 Mile Radius Name and Address of Lessee of Record, Operator, or Landowner on Offsetting Leases		
Trego County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 21,120	Date: July 31, 2009

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CONSERVATION DIVISION  
WICHITA, KS

# APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#2 Carpenter B  
330' FNL & 1650' FEL  
Section 17-11S-22W  
Trego Co., KS**

## Township 11 South, Range 22 West

Sec. 8:	N/2SW/4	KPB Consulting Services, Inc. 130 N. Ash Russell, KS 67665	Lessee
	W/2SE/4 & S/2SW/4	Don A. & Casondra M. Patterson 629 Country Club Dr. Heath, TX 75032	Landowners
	E/2SE/4	Ritchie Exploration, Inc.	Operator: #2 Custer A
Sec. 9:	SW/4	Elmer & Myrna Schlegel 12081 320 AVF Ogallah, KS 67656	Landowners
Sec. 16:	NW/4	Elmer & Myrna Schlegel	Landowners
Sec. 17:	NE/4	Ritchie Exploration, Inc.	Operator: #1 Carpenter B #2 Carpenter B #3 Carpenter B
	SE/4	Elmer & Myrna Schlegel	Landowners
	W/2	Kimball Brehm, LLC 820 S. MacArthur Coppell, TX 75019	Lessee

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CONSERVATION DIVISION  
WICHITA, KS



September 15, 2009

KPB Consulting Services, Inc.  
130 N. Ash  
Russell, KS 67665

To Whom It May Concern:

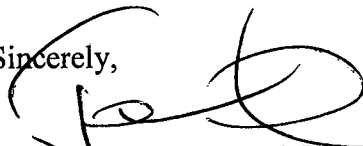
Enclosed please find Ritchie Exploration, Inc.'s Application for Wellbore Commingling of fluids from the Arbuckle, Marmaton and Lansing-Kansas City sources of supply for the #2 Carpenter B well located approx. NE NW NE of Section 17-11-22W, Trego County, Kansas.

All oil/gas operators in Kansas are required by the Kansas Corporation Commission Regulations #82-3-123a and #82-3-135a(b) to notify each operator, lessee, or unleased mineral owner within one-half mile radius of the subject well.

No response is required, but if you should have a valid protest, it should be directed to the KCC office in Wichita, Kansas.

If you have any questions, please feel free to call John Niernberger at 316-691-9500.  
Thanks for your time.

Sincerely,

  
\_\_\_\_\_  
John Niernberger, Production Manager

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SEP 17 2009

CONSERVATION DIVISION  
WICHITA, KS

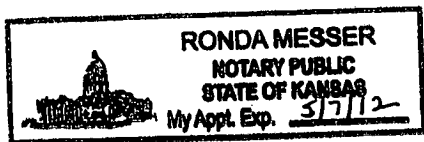
Date this application and certificate was mailed : 09/15/2009

STATE OF KANSAS )  
COUNTY OF SEDGWICK ) SS

This instrument was acknowledged before me on September 15, 2009 by John Niernberger as Production Manager of Ritchie Exploration, Inc., on behalf of said corporation.



\_\_\_\_\_  
Ronda Messer, Notary Public  
My commission expires: 05/07/2012



P.O. Box 783188  
Wichita, Kansas 67278-3188

(316) 691-9500  
Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328



**RITCHIE**

EXPLORATION, INC.  
Wichita, Kansas

September 15, 2009

Don A. & Casondra M. Patterson  
629 Country Club Dr.  
Heath, TX 75032

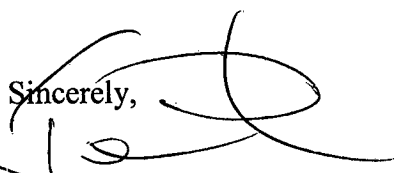
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John Niernberger, Production Manager

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SEP 17 2009

CONSERVATION DIVISION  
WICHITA, KS

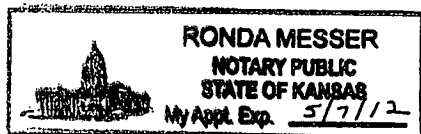
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Wichita, Kansas 67226-2328



September 15, 2009

Elmer & Myrna Schlegel  
12081 320 AVF  
Ogallah, KS 67656

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Sincerely,

John Niernberger, Production Manager

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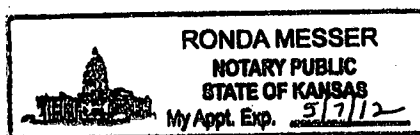
SEP 17 2009

CONSERVATION DIVISION  
WICHITA, KS

Date this application and certificate was mailed : 09/15/2009

STATE OF KANSAS )  
COUNTY OF SEDGWICK ) SS

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*Ronda Messer*

Ronda Messer, Notary Public

My commission expires: 05/07/2012

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Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328



September 15, 2009

Kimball Brehm, LLC  
820 S. MacArthur  
Coppell, TX 75019

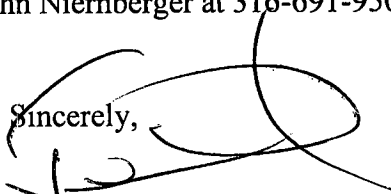
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Thanks for your time.

Sincerely,  
  
\_\_\_\_\_  
John Niernberger, Production Manager

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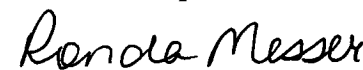
SEP 17 2009

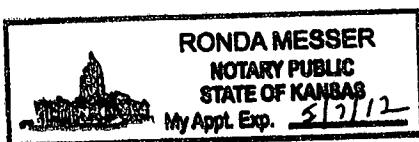
Date this application and certificate was mailed : 09/15/2009

CONSERVATION DIVISION  
WICHITA, KS

STATE OF KANSAS )  
COUNTY OF SEDGWICK ) SS

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\_\_\_\_\_  
Ronda Messer, Notary Public  
My commission expires: 05/07/2012



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8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328

STATE OF KANSAS,  
COUNTY OF TREGO, ss.

**AFFIDAVIT OF PUBLICATION**

Jerry L. Millard/Cathy R. Millard, of lawful age, being duly sworn upon oath states that he/she is the Publisher of

**THE WESTERN KANSAS WORLD**

A weekly newspaper printed in the State of Kansas, and published in and of general circulation in Trego County, Kansas, with a generally paid circulation on a yearly basis in Trego 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; 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 of WaKeeney, Kansas in said county as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for

1 consecutive weeks, the first publication thereof being made as aforesaid on the

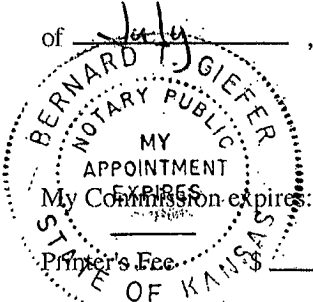
24 day of Sept, 2009, with subsequent publications being made on the following dates:

- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_
- \_\_\_\_\_ , 20\_\_\_\_\_

Sign Cathy R. Millard

Subscribed and sworn before this 22<sup>nd</sup> day

of July, 2010



Bernard J. Gieffer  
Notary Public

February 9, 2012

Additional copies \$ \_\_\_\_\_

**PUBLIC NOTICES**

(First published in the Western Kansas World September 24, 2009)

**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 Arbuckle, Marmaton and Lansing-Kansas City sources of supply for the #2 Carpenter B well located approximately NE NW NE of Section 17-11S-22W, Trego 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

RECEIVED  
JUL 28 2010  
KCC WICHITA



**AFFIDAVIT**

STATE OF KANSAS \  
- SS.  
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, depose 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 - weeks, that the first publication of said notice was

made as aforesaid on the 23rd of

September A.D. 2009, with

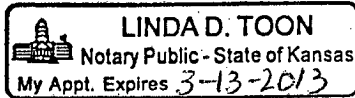
subsequent publications being made on the following dates:

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

23rd day of September, 2009

 LINDA D. TOON  
Notary Public - State of Kansas  
My Appt. Expires 3-13-2013

*Linda D. Toon*  
Notary Public Sedgwick County, Kansas

Printer's Fee : \$66.00

**LEGAL PUBLICATION**

Published in the Wichita Eagle  
September 23, 2009 (2984977)

**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 Arbuckle, Marmaton and Lansing-Kansas City sources of supply for the #2 Carpenter B well located, approx. NE NW NE of Section 17-11S-22W, Trego County, Kansas.

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All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.  
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P.O. Box 783188  
Wichita, KS 67278-3188  
(316) 691-9500

RECEIVED

JUL 09 2010

KCC WICHITA

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 + 3188  
Contact Person: John Niernberger  
Phone: (316) 691-9500  
CONTRACTOR: License # \_\_\_\_\_  
Name: \_\_\_\_\_  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: \_\_\_\_\_

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: Ritchie Exploration, Inc.  
Well Name: Carpenter B #2  
Original Comp. Date: 01/26/1983 Original Total Depth: 3863  
\_\_\_\_ 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.: \_\_\_\_\_  
04/21/2009    04/22/2009    05/04/2009  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date          Recompletion Date

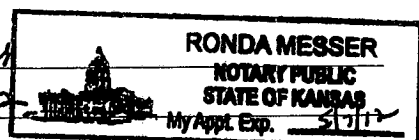
API No. 15 - 15-195-21142  
Spot Description: \_\_\_\_\_  
\_\_\_\_ NE \_\_\_\_ NW \_\_\_\_ NE Sec. 17 Twp. 11 S. R. 22  East  West  
330 Feet from  North /  South Line of Section  
1650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Trego  
Lease Name: Carpenter B Well #: 2  
Field Name: McCall Southwest  
Producing Formation: Arbuckle, LKC  
Elevation: Ground: 2188 Kelly Bushing: 2193  
Total Depth: 3883' Plug Back Total Depth: 3882'  
Amount of Surface Pipe Set and Cemented at: 175 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1672 Feet  
If Alternate II completion, cement circulated from: 1672  
feet depth to: surface w/ 450 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
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: 06/18/2009  
Subscribed and sworn to before me this 18th day of June,  
20 09.  
Notary Public: Ronda Messer  
Date Commission Expires: 5/7/2012



**KCC Office Use ONLY**

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

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
SEP 17 2009

Operator Name: Ritchie Exploration, Inc. Lease Name: Carpenter B Well #: 2  
 Sec. 17 Twp. 11 S. R. 22  East  West County: Trego

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input 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

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	3836' - 3861' (Arbuckle)	1250 gals 15% INS	
2	3525' - 3528' (LKC)	800 gals 15% NE + 25 perf-balls	

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TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3968'</u>	Packer At: <u> </u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>CONSERVATION DIVISION WICHITA, KS</b>
----------------	---------------------	----------------------	---------------------	--	--

Date of First, Resumed Production, SWD or Enhr. <u>05/04/2009</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>2.80</u>	Gas Mcf <u> </u>	Water Bbls. <u>25.20</u>	Gas-Oil Ratio <u> </u>	Gravity <u> </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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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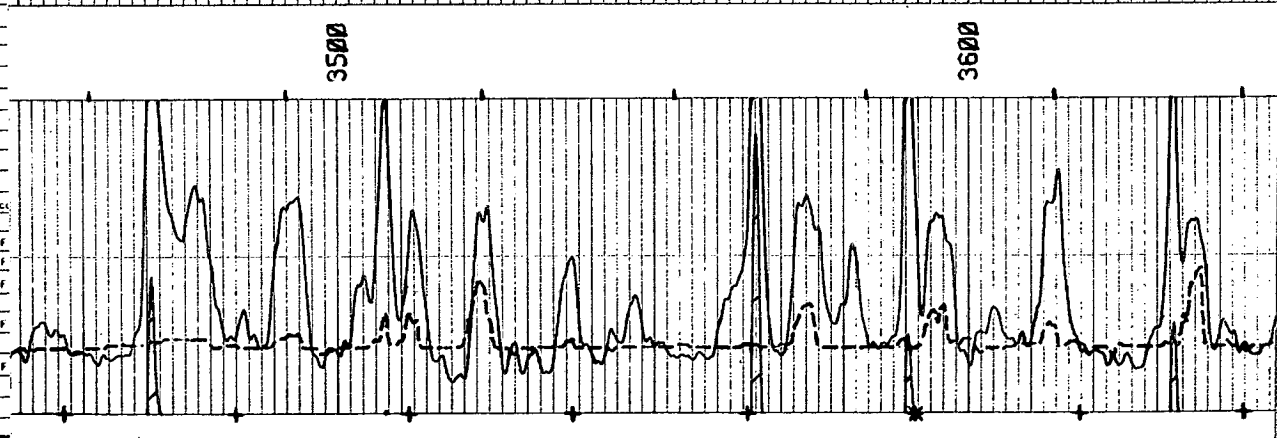
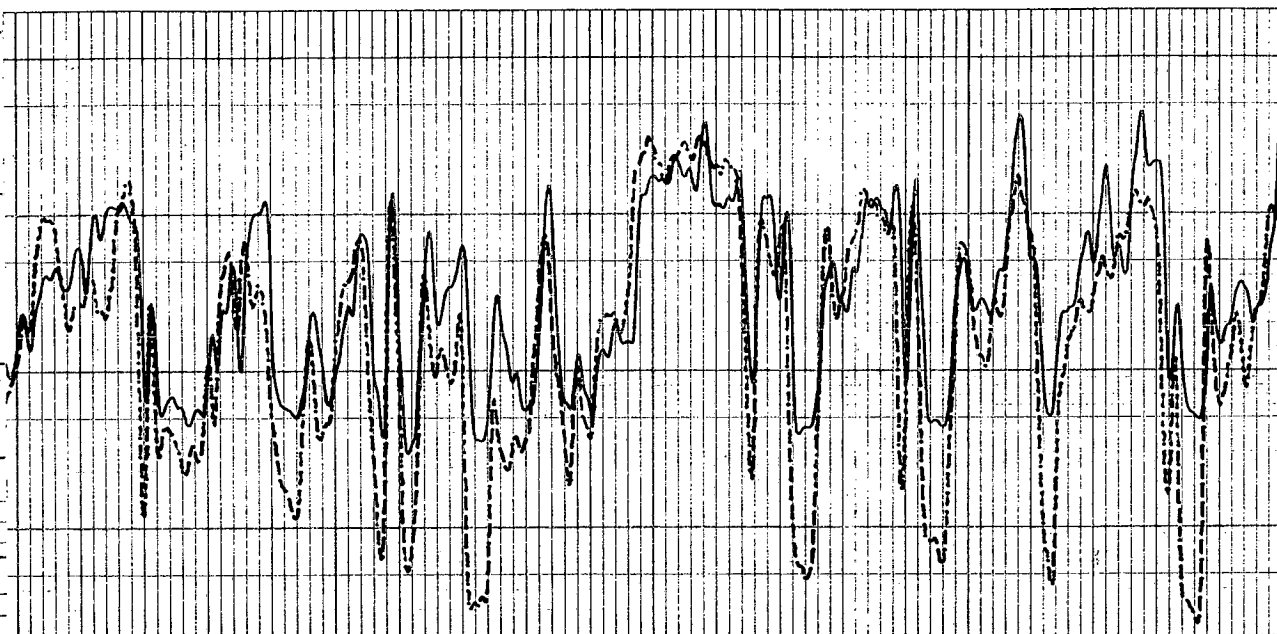
**GREAT GUNS**

*Digital Log*

*R A Guard Log*

FILE NO.	COMPANY <u>A. SCOTT RITCHIE</u>		
WELL	<u>CARPENTER 'B' NO. 2</u>	WELL FILE DO NOT REMOVE	
FIELD			
COUNTY	<u>TREGO</u>	STATE	<u>KANSAS</u>
LOCATION:	<u>NE-NW-NE</u>	OTHER SERVICES CDL & DUAL Ø	
SEC	<u>17</u>	TWP	<u>11S RGE 22W</u>
Permanent Datum	<u>GROUND LEVEL</u>	Elev.	<u>2188</u>
Log Measured from	<u>KELLY BUSHING 5 Ft. Above Permanent Datum</u>		
Drilling Measured from	<u>KELLY BUSHING</u>		
		Elevations:	
		XB	<u>2193</u>
		DF	<u>--</u>
		GL	<u>2188</u>

Date	<u>12-15-82</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>3863</u>		
Depth—Logger	<u>3862</u>		
Bottom Logged Interval	<u>3860</u>		
Top Logged Interval	<u>3150</u>		
Casing—Driller	<u>8-5/8</u>	<u>175</u>	Ø
Casing—Logger	<u>--</u>		
Bit Size	<u>7-7/8</u>		
Type Fluid in Hole	<u>STARCH</u>		
	<u>25,000</u>		
Density and Viscosity	<u>9.8</u>	<u>45</u>	
pH and Fluid Loss	<u>7.0</u>	<u>9.4</u>	cc
Source of Sample	<u>FLOWLINE</u>		
Rm @ Meas. Temp.	<u>.25</u>	<u>57</u>	"F
Rmf @ Meas. Temp.	<u>.18</u>	<u>57</u>	"F
Rmc @ Meas. Temp.	<u>.37</u>	<u>57</u>	"F
Source of Rmf and Rmc	<u>CHART 5</u>		
Rm @ BHT	<u>.13</u>	<u>109</u>	"F
Time Since Circ.	<u>2 HOURS</u>		
Max. Rec. Temp. Deg. F.	<u>109</u> "F		
Equip No. and Location	<u>60</u>	<u>HAYS</u>	
Recorded By	<u>M. WHERLEY</u>		
Witnessed By	<u>MR. MILFORD</u>		



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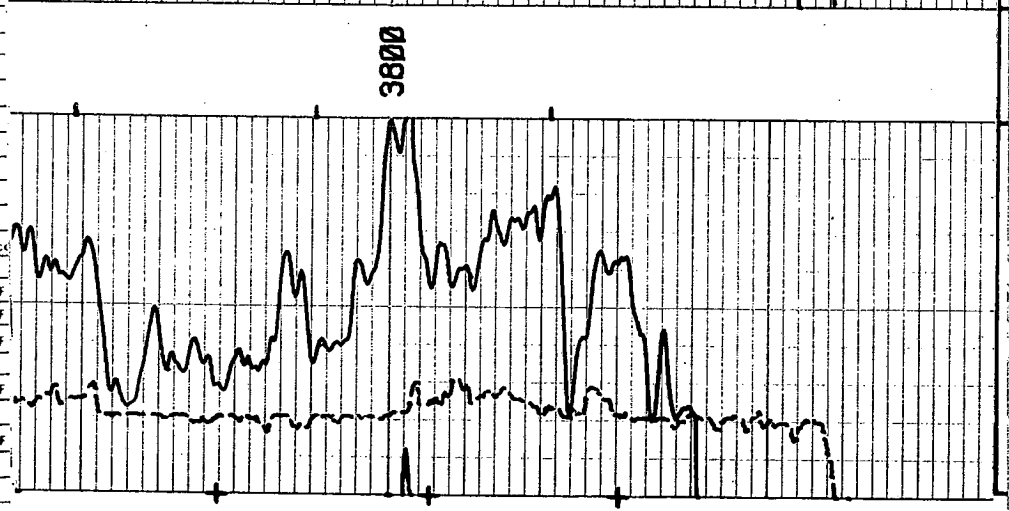
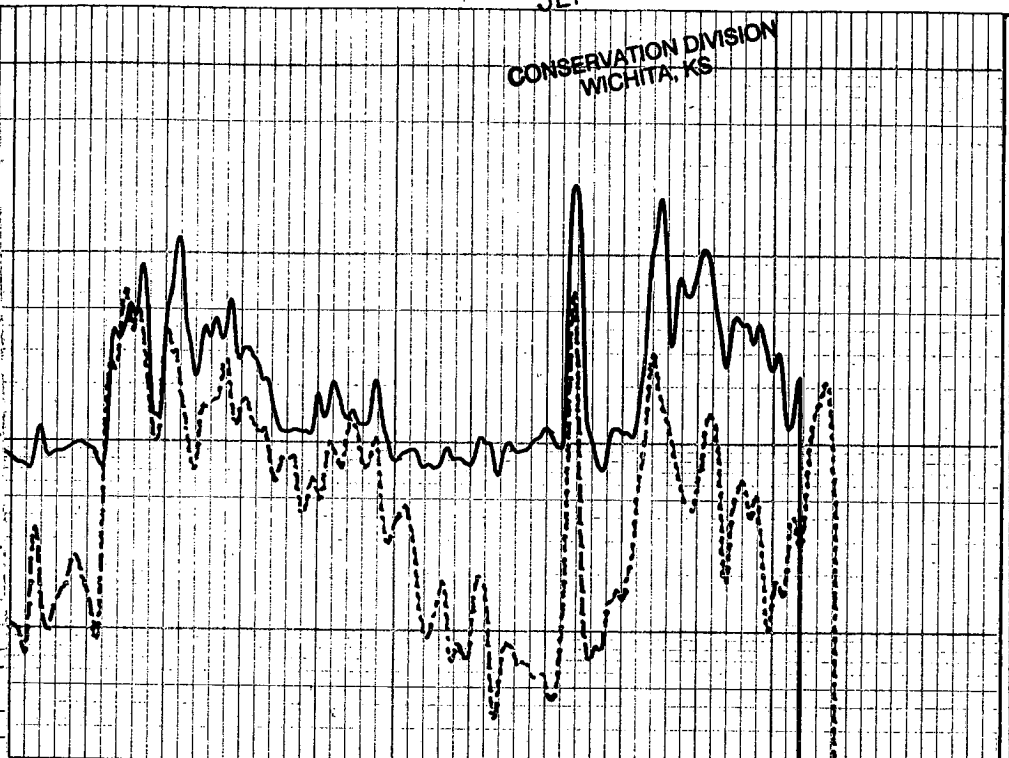
**GREAT GUNS**

*Digital Log*

*R A Guard Log*

FILE NO.	COMPANY	A. SCOTT RITCHIE		
	WELL	CARPENTER 'B' NO. 2	WELL FILE DO NOT REMOVE	
	FIELD			
	COUNTY	TREGO	STATE	KANSAS
	LOCATION:	NE-NW-NE		
	SEC	17	TWP	11S RGE 22W
	Permanent Datum	GROUND LEVEL	Elev.	2188
	Log Measured from	KELLY BUSHING 5 Ft. Above Permanent Datum		
	Drilling Measured from	KELLY BUSHING		
	OTHER SERVICES	CDL & DUAL Ø		
	Elevations:	KB	2193	
		DF	--	
		GL	2188	

Date	12-15-82			
Run No.	ONE			
Depth—Driller	3863			
Depth—Logger	3862			
Bottom Logged Interval	3860			
Top Logged Interval	3150			
Casing—Driller	8-5/8	175	⊙	⊙
Casing—Logger	--			
Bit Size	7-7/8			
Type Fluid in Hole	STARCH			
	25,000			
Density and Viscosity	9.8	45		
pH and Fluid Loss	7.0	9.4 cc	cc	cc
Source of Sample	FLOW LINE			
Rm ⊙ Mess. Temp.	.25	57 °F	⊙	°F
Rmf ⊙ Mess. Temp.	.18	57 °F	⊙	°F
Rmc ⊙ Mess. Temp.	.37	57 °F	⊙	°F
Source of Rmf and Rmc	CHARTS			
Rm ⊙ BHT	.13	109°F	⊙	°F
Time Since Circ.	2 HOURS			
Max. Rec. Temp. Deg. F.	109°F			
Equip No. and Location	60	HAYS		
Recorded By	M. WHERLEY			
Witnessed By	MR. MILFORD			





September 15, 2009

Western Kansas World  
205 N. Main St.  
WaKeeney, KS 67672

Please publish the described notice as shown below in the legal section of your newspaper one time at the earliest publishing date possible. Please mail a copy of the affidavit of publication to me at the above address along with your invoice for the fee. We will then mail the remittance by return mail upon receipt of that invoice.

Please call if you have any questions. Thank you for your help in this matter.

Sincerely,

John Niernberger  
Production Manager

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 Arbuckle, Marmaton and Lansing-Kansas City sources of supply for the #2 Carpenter B well located approx. NE NW NE of Section 17-11S-22W, Trego 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

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WICHITA, KS



September 15, 2009

The Wichita Eagle  
825 E. Douglas  
Wichita, KS 67202

Please publish the described notice as shown below in the legal section of your newspaper one time at the earliest publishing date possible. Please mail a copy of the affidavit of publication to me at the above address along with your invoice for the fee. We will then mail the remittance by return mail upon receipt of that invoice.

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P.O. Box 783188  
Wichita, KS 67278-3188  
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CONSERVATION DIVISION  
WICHITA, KS

**KANSAS**  
CORPORATION COMMISSION

Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner

August 2, 2010

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

RE: Approved Commingling CO090904  
Carpenter B #2, Sec. 17-T11S-R22W, Trego County  
API No. 15-195-21142-00-01

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 September 17, 2009 concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

	Estimated Current Production			Perf Depth
	BOPD	MCFPD	BWPD	
Arbuckle	1.55	0	19.78	3836-3861 (perf), 3861-3882 (OH)
Marmaton	0.67	0	0.67	3770-3794
LKC	0.58	0	4.75	3481-3617
Total Estimated Current Production	2.80	0	25.20	

Based upon the depth of the Myric Station formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Docket Number CO090904 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

CONSERVATION DIVISION

Finney State Office Building, 130 S. Market, Room 2078, Wichita, KS 67202-3802  
(316) 337-6200 • Fax: (316) 337-6211 • <http://kcc.ks.gov/>