



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.

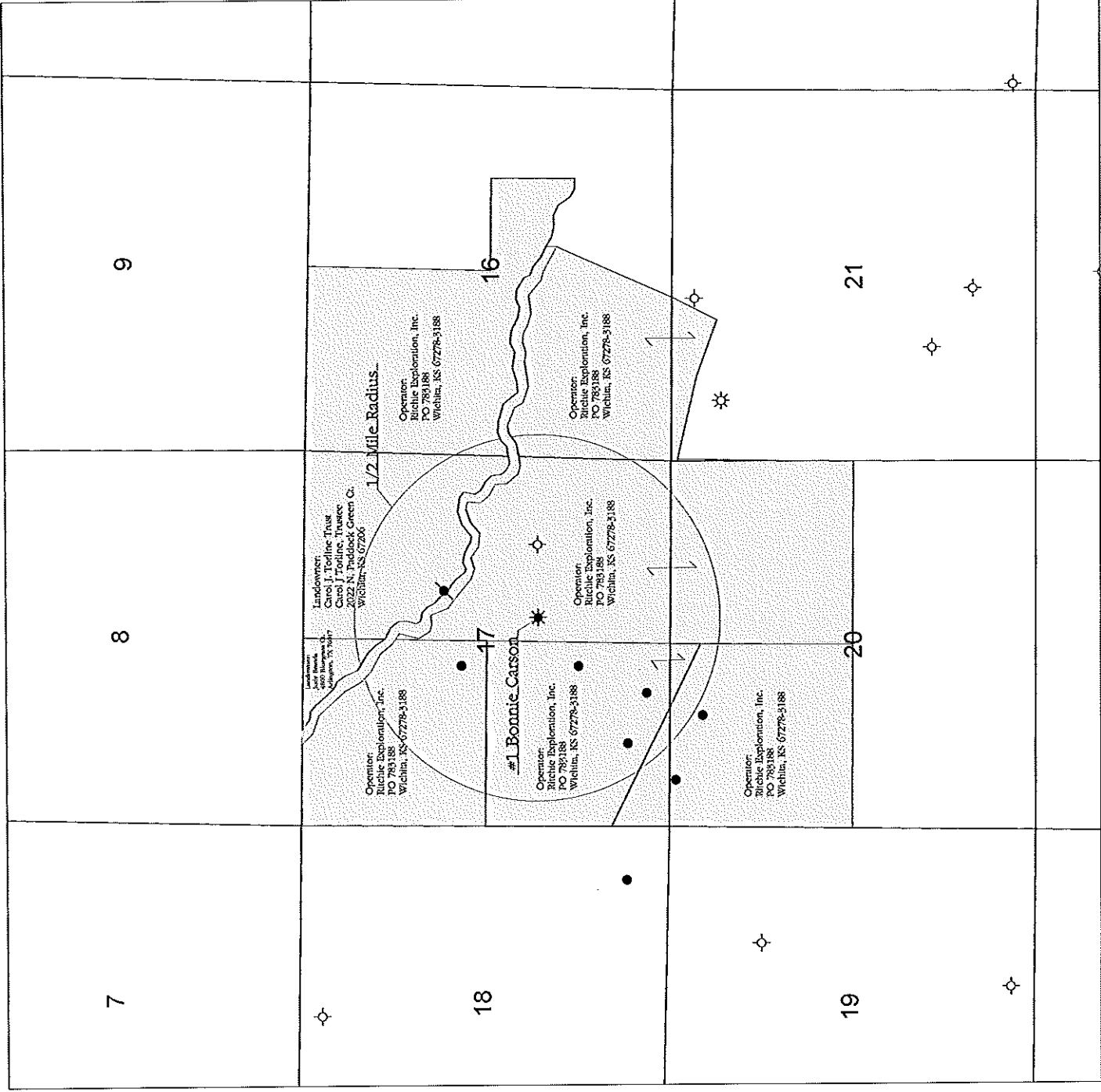
Submitted Electronically

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 23 W

T 27 S



**Application for
 Commingling of
 Production or Fluids**

RITCHIE
 EXPLORATION, INC.
 Wichita, Kansas

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

Ford County, Kansas

Prepared By: Justin Clegg
 Scale: 1 : 26,000
 Date: May 2, 2016

Legend

- Oil Well
- ☼ Gas Well
- ☼ Oil and Gas Well
- Dry and Abandoned Well

APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

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

**#1 Bonnie Carson
1910' FSL & 2310' FEL
Section 17-27S-23W
Ford Co., KS**

Township 27 South, Range 23 West

Sec. 16:	N/2NW/4, Lots 3-5 Lying N. of N/L of River	Ritchie Exploration, Inc. P.O. Box 783188 Wichita, KS 67278-3188	Operator: #1 Maverick
	Part of the River that meanders through Sec. 16	Ritchie Exploration, Inc.	Operator: #1 Maverick
	Portion of the S/2 lying S. of S/L of River	Ritchie Exploration, Inc.	Operator: #1 Maverick
Sec. 17:	Lots 1-2 lying N. of the River	Carol J. Torline Trust Carol J. Torline, Trustee 2022 N. Paddock Green Ct. Wichita, KS 67206	Landowner
	Lot 3 lying N. of the River	Judy Brands 4800 Bluegrass Ct. Arlington, TX 76017	Landowner
	Lots 4-5 & all lands accreted thereto	Ritchie Exploration, Inc.	Operator: #1 Carson 17B
	Lots 6-7 & all lands accreted thereto; W/2SE/4	Ritchie Exploration, Inc.	Operator: #1 Bonnie Carson
	Part of the SW/4 lying N. of the Railroad	Ritchie Exploration, Inc.	Operator: #1 Steele Trust, #2 Steele Trust, #3 Steele Trust
	Part of the SW/4 lying S. of the Railroad R-O-W	Ritchie Exploration, Inc.	Operator: #1 Carson 20B, #2 Carson 20B

Township 27 South, Range 23 West

Sec. 20:	NE/4	Ritchie Exploration, Inc.	Opeartor: #1 Bonnie Carson
	Part of the NW/4 lying S. of the Railroad	Ritchie Exploration, Inc.	Operator: #1 Carson 20B, #2 Carson 20B
	Part of the NW/4 lying N. of the Railroad	Ritchie Exploration, Inc.	Operator: #1 Steele Trust, #2 Steele Trust, #3 Steele Trust

AFFIDAVIT

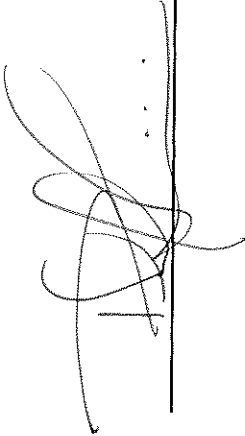
STATE OF KANSAS)
 - SS.
County of Sedgwick)

Peter Fiorini, 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 1/2 mile radius of the Bonnie Carson #1 well located in the County of Ford (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on May 4, 2016.

made as aforesaid on the 4th of

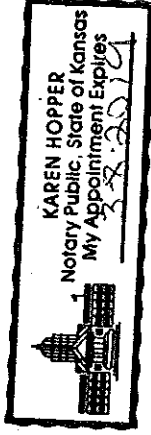
May A.D. 2016

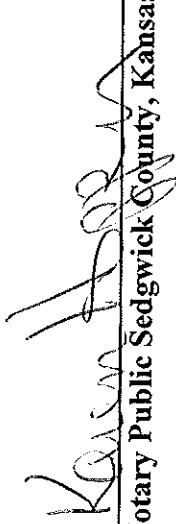
And affiant further says that he has personal knowledge of the statements above set forth and that they are true.



Subscribed and sworn to before me this

4th day of May 2016





Notary Public Sedgwick County, Kansas

Proof of Publication
State of Kansas, Ford County, SS.

Dodge City Daily Globe

Ritchie Exploration, Inc.
P.O. Box 783188
Wichita, KS 67278

Reference: 97452 Account: 114170

Case No. #1 Bonnie Carson Well

Ed O'Neal of lawful age, being duly sworn upon oath, states that he is the Circulation Manager of the DODGE CITY DAILY GLOBE.

THAT said newspaper has been published at least weekly fifty (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 mail matter at the post office of its publication;

THAT said paper has a general paid circulation on a daily, or weekly, or yearly basis in FORD COUNTY KANSAS, and is NOT a trade, religious or fraternal publication and has been PRINTED and published in FORD COUNTY, KANSAS.

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

(Sign)

Ed O'Neal

PUBLISHED ON: 05/10/16

TOTAL COST: \$ 40.50

FILED ON: 05/10/16

AD SPACE: 6.75 inches

Witness my hand this 10 day of May, 2016.

SUBSCRIBED and Sworn to Before Me This 10 day of May, 2016.

Kathy Runquist

Notary Public, Ford County, Kansas

(First Published in the Dodge City Daily Globe on Tuesday, May 10, 2016)

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 Mississippian and Morrow Sand sources of supply for the #1 Bonnie Carson well located approx. W/2 NW SE of Section 17-27S-23W, Ford County, Kansas.

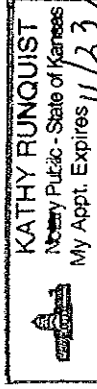
Any persons who object to or protest this application shall be required to file their objections or protests with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of the publication. These protests shall be filed pursuant to Commission 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
1XTues



LEGAL PROOF OF PUBLICATION

Account #	Ad Number	Identification	PO	Amount	Cols	Lines
453699	0002437790	Published in the Wichita Eagle May 9, 2016		\$129.00	1	35

Attention: karen hopper
RITCHIE EXPLORATION INC
P O BOX 783188
WICHITA, KS 672783188

In The STATE OF KANSAS
In and for the County of Sedgwick
AFFIDAVIT OF PUBLICATION

1 Insertions

Beginning issue of: 05/09/2016

Ending issue of: 05/09/2016

STATE OF KANSAS) .SS
County of Sedgwick)

Mark Fletchall, of lawful age, being first duly sworn, deposeseth 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 from 5/9/2016 to 05/09/2016.

I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Mark Fletchall

(Signature of Principal Clerk)
DATED: 5/9/2016

Jennifer Rae Bailey
Notary Public Sedgwick County, Kansas

LEGAL PUBLICATION

Published in the Wichita Eagle
May 9, 2016 (2437790)

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 "Mississippi" and "Harrow" Sand sources of supply for the #1 Bonnie Carson well located approx. W/2 NW SE of Section 17-25-23W, Ford 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 hearing and shall govern themselves accordingly.

RITCHIE EXPLORATION, INC.
P.O. Box 783188
Wichita, KS 67278-3188
(316) 671-9500

JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appt. Expires 05/09/2017

CORRECTION #1

KANSAS CORPORATION COMMISSION 1210934
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:
 Yes No

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 Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 34821
Name: K & M Well Service Inc.
Wellsite Geologist: Pete Fiorini
Purchaser: Superior Pipeline Company

API No. 15 - 15-057-20576-00-01
Spot Description: 80' S OF W2NWSE
W2 NW SE Sec. 17 Twp. 27 S. R. 23 East West
1910 Feet from North / South Line of Section
2310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
GPS Location: Lat: _____, Long: _____ (e.g. xx.xxxxx)
Datum: NAD27 NAD83 WGS84
County: Ford
Lease Name: BONNIE CARSON Well #: 1
Field Name: _____

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.): _____

Producing Formation: Morrow Sand, Mississippian
Elevation: Ground: 2412 Kelly Bushing: 2422
Total Vertical Depth: 5075 Plug Back Total Depth: 5042
Amount of Surface Pipe Set and Cemented at: 437 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1387 Feet
If Alternate II completion, cement circulated from: 1387
feet depth to: 0 w/ 290 sx crnt.

If Workover/Re-entry: Old Well Info as follows:
Operator: Ritchie Exploration, Inc.
Well Name: Bonnie Carson

Original Comp. Date: 10/31/2006 Original Total Depth: 5075
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Plug Back Conv. to GSW Conv. to Producer

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: _____ License #: _____
Lease Name: _____
Quarter: _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
3/5/2014 3/5/2014 3/18/2014
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

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

Confidentiality Requested
Date: 06/18/2014
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 06/18/2014

CORRECTION #1
Page Two



1210934

Operator Name: Ritchie Exploration, Inc. Lease Name: BONNIE CARSON Well #: 1
 Sec. 17 Twp. 27 S. R. 23 East West County: Ford

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken Yes No Log Formation (Top), Depth and Datum Sample

(Attach Additional Sheets) Name Attached Top Attached Datum Attached

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

List All E. Logs Run:

CASING RECORD <input type="checkbox"/> New <input checked="" 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	Type and Percent Additives
Conductor	30	20	64	60	Ten-Sack grout	9
Surface	12.25	8.625	24	437	common	3%cc, 2% gel
Production	7.875	5.5	15.5	5072	60/40 pozmix	10% salt, 2% gel, 3.44% CD031

ADDITIONAL CEMENTING / SQUEEZE RECORD		
Purpose:	Depth Top Bottom	Type of Cement
___ Perforate		
___ Protect Casing	4739-4741	60/40 POZMIX
___ Plug Back TD		
<input checked="" type="checkbox"/> Plug Off Zone		

Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3)
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No (If No, skip question 3)
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, fill out Page Three of the ACO-1)

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
6	4932.5-4935.5, 4926.5-4929.5, 4893.5-4898.5	1500 Gals. 7.5% NEFE w/Cla-Sa & Surfactant, 75 soluble-perf-ball-sealers	

TUBING RECORD: Size: 2.875 Set At: 4917 Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 4/22/2014 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours Oil Bbls. _____ Gas Mcf 373 Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled (Submit ACO-5)

PRODUCTION INTERVAL: _____

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	BONNIE CARSON 1
Doc ID	1210934

Tops

Name	Top	Datum
Chase	2538	-116
Stotler	3443	-1021
Heebner	4099	-1677
Lansing	4227	-1805
Stark	4537	-2115
Pawnee	4741	-2319
Cherokee Shale	4786	-2364
Atoka Shale	4878	-2456
Morrow Sand	4890	-2468
Miss. Saint Louis	4902	-2480
Miss. Spergen	4910	-2488

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

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

Sam Brownback, Governor

June 21, 2016

Peter Fiorini
Ritchie Exploration, Inc.
P.O. Box 783188
Wichita, KS 67278-3188

RE: Approved Commingling CO061604
Bonnie Carson 1
API No. 15-057-20576-00-01

Dear Mr. Fiorini:

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