

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 # _____ 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.

Legal Notice

(First Published in The Hill City Times
on Wednesday, June 25, 2025)

You, and each of you, are hereby notified that Ritchie Exploration, Inc. has filed an application to commence the commingling of production from the Oread B, Toronto, and Lansing/Kansas City sources of supply for the #1 Bow Creek Unit well located approx. NE SE NW of Section 7-6S-21W, Gaham 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

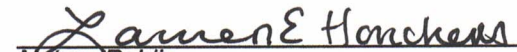
Brandy Sensmeier, being first duly sworn, deposes and says she is one of the editors, publishers, or printers of **THE HILL CITY TIMES**, a weekly newspaper printed in the State of Kansas, and published in and of general circulation in Graham County, Kansas, with a general paid circulation on a yearly basis in Graham County, Kansas and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper: is published weekly at least 50 times a year, has been continuously and uninterruptedly published in said county during the period of fifty-two (52) consecutive weeks immediately prior to the first publication of the notice hereinafter mentioned, and has been admitted at the Post Office of Hill City, Kansas, in said county as second-class matter. The attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for one (1) week, the publication thereof being made as aforesaid on the 25th day of June, 2025.



Brandy Sensmeier

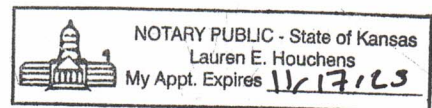
Subscribed and sworn before me on this
25th day of June, 2025



Notary Public

My commission expires:

11/17/25





The Beaufort Gazette
 The Belleville News-Democrat
 Bellingham Herald
 Centre Daily Times
 Sun Herald
 Idaho Statesman
 Bradenton Herald
 The Charlotte Observer
 The State
 Ledger-Enquirer

Durham | The Herald-Sun
 Fort Worth Star-Telegram
 The Fresno Bee
 The Island Packet
 The Kansas City Star
 Lexington Herald-Leader
 The Telegraph - Macon
 Merced Sun-Star
 Miami Herald
 El Nuevo Herald

The Modesto Bee
 The Sun News - Myrtle Beach
 Raleigh News & Observer
 Rock Hill | The Herald
 The Sacramento Bee
 San Luis Obispo Tribune
 Tacoma | The News Tribune
 Tri-City Herald
 The Wichita Eagle
 The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Cols	Depth
24452	662730	Print Legal Ad-IPL02335080 - IPL0233508		1	36 L

Attention: Karen Hopper
 RITCHIE EXPLORATION INC
 P O BOX 783188
 WICHITA, KS 672783188

khopper@ritchie-exp.com

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 Oread B, Toronto, and Lansing/Kansas City sources of supply for the #1 Bow Creek Unit well located approx. NE SE NW of Section 7-6S21W, Graham 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
 IPL0233508
 May 16 2025

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

1 insertion(s) published on:
 05/16/25

STATE OF KANSAS)
 SS
 County of Sedgwick)

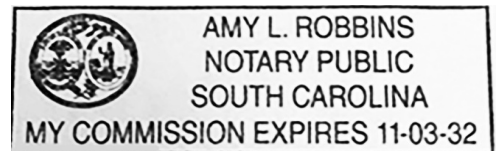
Mary Castro, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has 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 from 05/16/2025 to 05/16/2025.

Mary Castro

I certify (or declare) under penalty of perjury that the foregoing is true and correct.
 DATED: 05/16/2025

Amy Robbins

Notary Public in and for the state of South Carolina, residing in Beaufort County

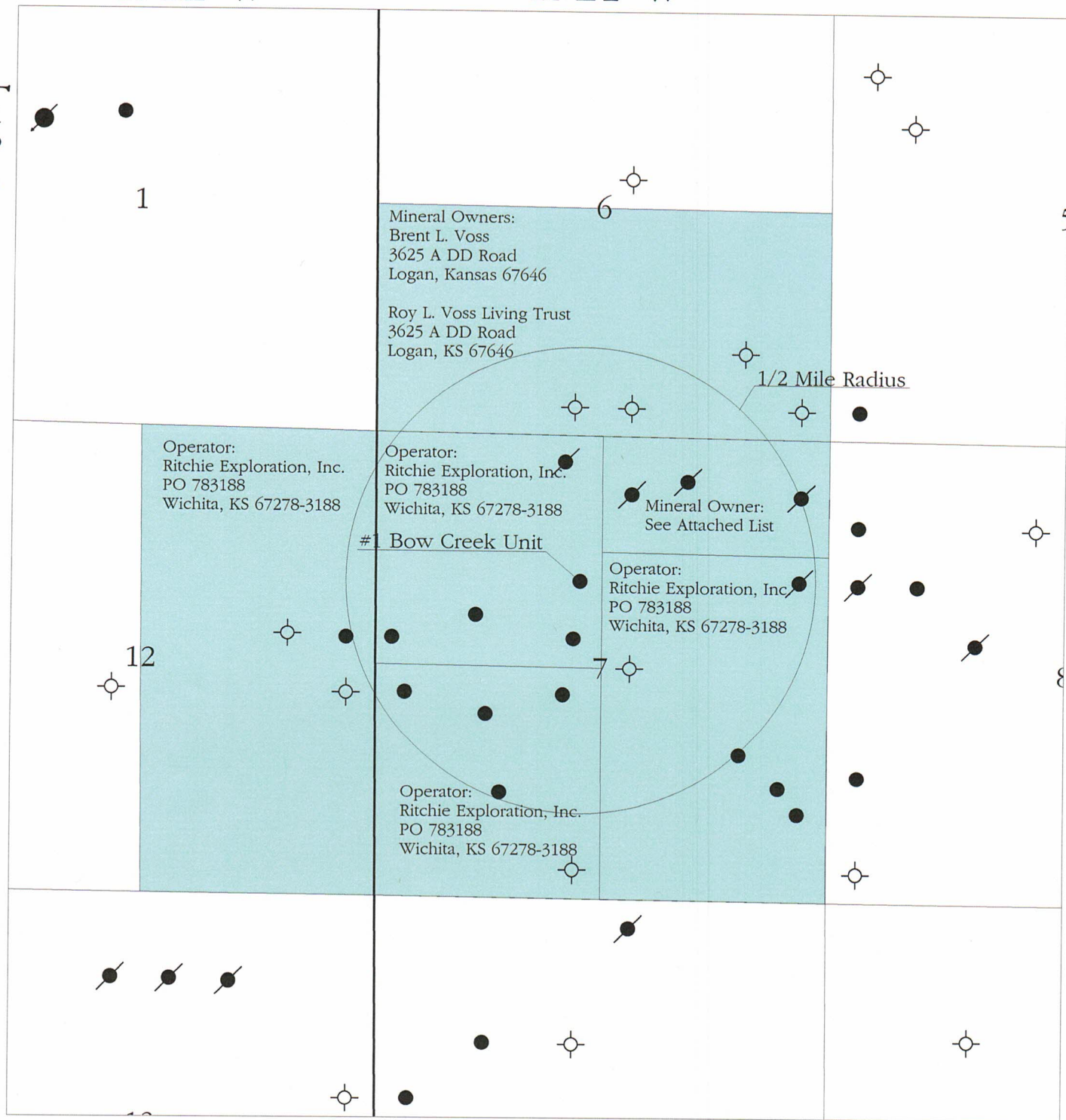


Extra charge for lost or duplicate affidavits.
 Legal document please do not destroy!

R 22 W

R 21 W

S 6 S



Mineral Owners:
 Brent L. Voss
 3625 A DD Road
 Logan, Kansas 67646

Roy L. Voss Living Trust
 3625 A DD Road
 Logan, KS 67646

Operator:
 Ritchie Exploration, Inc.
 PO 783188
 Wichita, KS 67278-3188

Operator:
 Ritchie Exploration, Inc.
 PO 783188
 Wichita, KS 67278-3188

Mineral Owner:
 See Attached List

#1 Bow Creek Unit

Operator:
 Ritchie Exploration, Inc.
 PO 783188
 Wichita, KS 67278-3188

Operator:
 Ritchie Exploration, Inc.
 PO 783188
 Wichita, KS 67278-3188

1/2 Mile Radius

12


7

1

6

Legend

- Oil Well
- / Abandoned Oil Well
- Enhanced Oil Recovery / Was Oil Well
- Dry and Abandoned Well



RITCHIE
EXPLORATION, INC.
Wichita, Kansas

**Application for
Commingling of
Production or Fluids**

Applicant Well: #1 Bow Creek Unit
 API: 15-065-24229-0000
 All Wells on Offsetting Leases within 1/2 Mile Radius
 Name and Address of Lessee of Record, Operator, or
 Unleased Mineral Owner

Graham County, Kansas		
Prepared By: Justin Clegg	Scale: 1 : 19,500	Date: March 18, 2025

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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: PO BOX 783188

City: WICHITA State: KS Zip: 67278 + 3188

Contact Person: Peter Fiorini

Phone: (316) 691-9500

CONTRACTOR: License # 35410

Name: STP Drilling LLC

Wellsite Geologist: Max Lovely

Purchaser: CHS

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

01/10/2023 01/20/2023 01/20/2023

Spud Date or Date Reached TD Completion Date or

Recompletion Date Recompletion Date

API No.: 15-065-24229-00-00

Spot Description: 9'N & 13'W of

NE SE NW Sec. 7 Twp. 6 S. R. 21 East West

1641 Feet from North / South Line of Section

2297 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) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: Graham

Lease Name: BOW CREEK UNIT Well #: 1

Field Name: _____

Producing Formation: Oread,Toronto,LKC

Elevation: Ground: 2183 Kelly Bushing: 2190

Total Vertical Depth: 3680 Plug Back Total Depth: 3647

Amount of Surface Pipe Set and Cemented at: 217 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1823 Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 1823 w/ 225 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 12000 ppm Fluid volume: 650 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

Confidentiality Requested

Date: 04/28/2023

Confidential Release Date: 04/27/2025

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: David Befort Date: 05/02/2023

Operator Name: Ritchie Exploration, Inc. Lease Name: BOW CREEK UNIT Well #: 1
 Sec. 7 Twp. 6 S. R. 21 East West County: Graham

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 <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 Geologist Report / Mud Logs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: Compensated Density/Neutron Lob	<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	217	Common	170	3% cc,2% gel
Production	7.88	5.5	15.5	3676	Common	125	10% salt,2% gel

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	-			

- 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)*

Date of first Production/Injection or Resumed Production/ Injection: <u>04/05/2023</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls. <u>14.89</u>	Gas Mcf	Water Bbls. <u>2.31</u>	Gas-Oil Ratio	Gravity

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top <u>3358</u> Bottom <u>3573</u>
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
Attached	Attached	Attached	Attached	Attached	Attached
TUBING RECORD: Size: <u>2.67</u> Set At: <u>3626</u> Packer At:					

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	BOW CREEK UNIT 1
Doc ID	1709966

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	3569	3573			500 GALS 15% MCA
4	3496	3499			375 GALS 15% MCA
4	3487	3490			375 GALS 15% MCA
4	3475	3478			375 GALS 15% MCA
4	3461	3464			375 GALS 15% MCA
4	3429	3432			500 GALS 15% MCA
4	3411	3415			500 GALS 15% MCA
4	3358	3362			500 GALS 15% MCA



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Bow Creek Unit

1,641' FNL & 2,292' FWL

9' N & 18' W of NE SE NW Section 7-6S-21W

Graham County, Kansas

API# 15-065-24229-0000

Elevation: GL: 2,183', KB: 2,190'

Sample Tops			Ref. Well
Anhydrite	1839	+351	+1
B/Anhydrite	1870	+320	+2
Stotler	3153	-963	-1
Topeka	3196	-1006	-1
Heebner	3382	-1192	+3
Toronto	3412	-1222	-1
Lansing	3426	-1236	+2
Muncie	3535	-1345	+3
Stark	3589	-1399	-1
Hushpuckney	3602	-1412	+2
BKC	3615	-1425	Flat
Marmaton	3639	-1449	+1
Conglomerate	3659	-1469	+5
Pre-Cambrian	3678	-1488	+2
RTD	3680	-1490	

AFFIDAVIT

STATE OF KANSAS)
 - SS.
County of Sedgwick)

Peter Fiorini, of lawful age, being first duly sworn, deposeth and saith: That he is Vice President/Production/Geologist 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 Bow Creek Unit #1 well located in the County of Graham (see attached plat map). This notice included a letter and a copy of the Commingle Application (ACO-4). All notices were mailed on May 12, 2025.

made as aforesaid on the 12th of

May A.D. 2025


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

12th day of May 2025





Notary Public Sedgwick County, Kansas

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



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

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

October 24, 2025

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

RE: Approved Commingling CO082502
Bow Creek Unit 1
API No. 15-065-24229-00-00

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 Lansing/Kansas City formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Sincerely,

Production Department Supervisor