

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

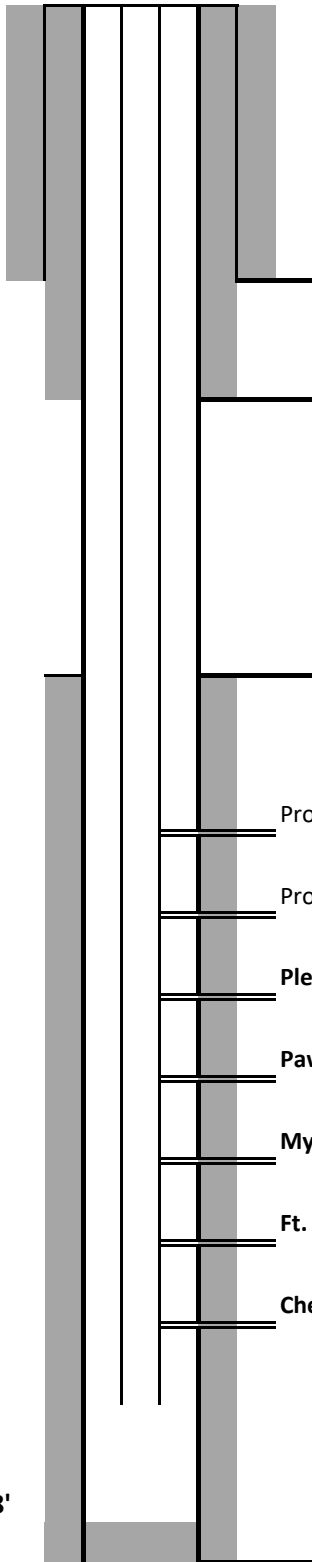
KCC Office Use Only
 Denied Approved
15-Day Periods Ends: _____
Approved By: _____ Date: _____

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.



DRILLING COMPANY, INC.
WICHITA, KANSAS

Proposed Wellbore Configuration



8-5/8", 24# set at 267'
Cmt to surf w/175 sks.

Port Collar at 2555'
Cmt to surf w/ 200 sks.

TOC @ 3420' (CBL 4/4/18)

Proposed: LKC C Perfs at 4098'-4101'

Proposed: LCK E Perfs at 4124'-4128'

Pleasanton Perf at 4336'-4340' (6/5/18)

Pawnee Perfs at 4462'-4466' (5/10/21)

Myrick Station Perfs at 4492'-4502' (4/30/18)

Ft. Scott Perfs at 4519'-4522' (4/25/18)

Cherokee Sand Perfs at 4596'-4602' (4/4/18)

PBTD = 4658'
TD = 4725'

5-1/2", 14# Casing set at 4698'
Cemented w/ 175 sks. 50/50 Pozmix

Date:	3/7/2021
Well Name:	Wieland-CMB Unit #1-4
Location:	1950' FNL & 2623' FWL
	Section 4-T11S-R31W
County:	Gove
State:	Kansas
API:	15-203-22327
KB:	3014'
GL:	3002'
Spud Date:	3/8/2018

AFFIDAVIT OF PUBLICATION
State of Kansas, Thomas County, ss:

.....Kathryn Ballard....., being first duly sworn, deposes and says:

that he/she is the ..Production Coordinator.. of

THE COLBY FREE PRESS

a daily newspaper printed in the state of Kansas, and published in and of general circulation in Thomas County, Kansas, with a general paid circulation on a yearly basis in Thomas County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is 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 Colby, 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 for1.....consecutive week(s)/days(s), the first publication thereof being made as aforesaid on the21ST..... day ofMARCH....., 2022, with subsequent publications being made on the following dates:

....., 20....., 20....., 20.....



Kathryn Ballard

Subscribed and sworn to before me this25TH..... day of

.....MARCH....., 2022

[Signature]

Notary Public

My commission expiresAUGUST 1....., 2023

Publication Fee \$.....66.47.....

Additional copies \$.....

Public Notice

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.
Mull Drilling Company, Inc.
1700 N. Waterfront Parkway, Building 1200
Wichita, KS 67206
316-264-6366

(Published in the Colby Free Press on Monday, March 21, 2022)

**BEFORE THE
STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

NOTICE OF FILING APPLICATION

Re: Mull Drilling Company, Inc. - Application for order to permit commingling of production of the Wieland-CMB Unit #1-4, located in Gove County, Kansas.

To: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whosoever concerned.

You, and each of you, are hereby notified that Mull Drilling Company, Inc. has filed an application to commingle production of the LKC, Pleasanton, Marmaton, Ft. Scott, and Cherokee Sand formations on the Wieland-CMB Unit #1-4, located SE/4 NW/4 4-11S-31W, Gove County, Kansas.

Any persons who object to or protest this application shall be required to file their

AFFIDAVIT OF PUBLICATION

State of Kansas,
Gove County, ss:

Frank Mercer

being first duly sworn, deposes and
says: That he is

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 1 time consecutive week(s), the first publication thereof being made as aforesaid on the 16th day of March, 2022 with subsequent publications being made on the following dates:

- _____
- _____
- _____
- _____
- _____
- _____

Printer's Fee \$ 39.60

Additional Copies \$ _____

Affidavit Fees \$ 2.25

Total Publication Fees \$41.85

Subscribed and sworn to before me
this 16th day of

March, 2022
Rubella Muehl
Notary Public

My commission expires: Aug 3-2024



(Published in the Gove County Advocate, Quinter, KS, Wed., March 16, 2022 - 1t)

**BEFORE THE
STATE CORPORATION
COMMISSION OF THE
STATE OF KANSAS
NOTICE OF FILING APPLICATION**

Re: Mull Drilling Company, Inc. -
Application for order to permit com-
mingling of production of the
Wieland-CMB Unit #1-4, located in
Gove County, Kansas.

To: All Oil & Gas Producers,
Unleased Mineral Interest Owners,
Landowners, and all persons whoso-
ever concerned.

You, and each of you, are hereby notified that Mull Drilling Company, Inc. has filed an application to comingle production of the LKC, Pleasanton, Marmaton, Ft. Scott, and Cherokee Sand formations on the Wieland-CMB Unit #1-4, located SE/4 NW/4 4-11S-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.

Mull Drilling Company, Inc.
1700 N. Waterfront Parkway,
Building 1200
Wichita, KS 67206
316-264-6366



Beaufort Gazette
 Belleville News-Democrat
 Bellingham Herald
 Bradenton Herald
 Centre Daily Times
 Charlotte Observer
 Columbus Ledger-Enquirer
 Fresno Bee

The Herald - Rock Hill
 Herald Sun - Durham
 Idaho Statesman
 Island Packet
 Kansas City Star
 Lexington Herald-Leader
 Merced Sun-Star
 Miami Herald

el Nuevo Herald - Miami
 Modesto Bee
 Raleigh News & Observer
 The Olympian
 Sacramento Bee
 Fort Worth Star-Telegram
 The State - Columbia
 Sun Herald - Biloxi

Sun News - Myrtle Beach
 The News Tribune Tacoma
 The Telegraph - Macon
 San Luis Obispo Tribune
 Tri-City Herald
 Wichita Eagle

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
38629	230843	Print Legal Ad - IPL0064186		\$293.50	1	50 L

Attention: Risa O'Bryhim
 MULL DRILLING COMPANY, INC.
 1700 N. WATERFRONT PKWY, BUILDING 1200
 WICHITA, KS 67206

**LEGAL PUBLICATION
 BEFORE THE STATE CORPO-
 RATION COMMISSION OF THE
 STATE OF KANSAS NOTICE OF
 FILING APPLICATION**

Re: Mull Drilling Company, Inc. - Appli-
 cation for order to permit commingling
 of production of the Wieland-CMB Unit
 #1-4, located in Gove County, Kansas.
 To: All Oil & Gas Producers, Unleased
 Mineral Interest Owners, Landown-
 ers, and all persons whosoever con-
 cerned.

You, and each of you, are hereby no-
 tified that Mull Drilling Company, Inc.
 has filed an application to commingle
 production of the LKC, Pleasanton,
 Marmaton, Ft. Scott, and Cherokee
 Sand formations on the Wieland-
 CMB Unit #1-4, located SE/4 NW/4
 4-11S-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 pro-
 tests shall be filed pursuant to Com-
 mission regulations and must state
 specific reasons why the grant of the
 application may cause waste, violate
 correlative rights or pollute the natu-
 ral resources of the state of Kansas.
 If no protests are received, this ap-
 plication 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.
 Mull Drilling Company, Inc.
 1700 N. Waterfront Parkway, Building
 1200
 Wichita, KS 67206
 316-264-6366
 IPL0064186
 Mar 14 2022

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

No. of Insertions: 1
 Beginning Issue of: 03/14/2022
 Ending Issue of: 03/14/2022

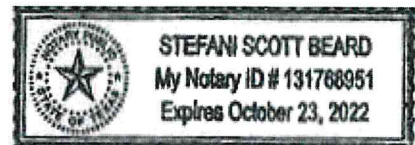
STATE OF KANSAS)
 SS
 County of Sedgwick)

Hayley Martin, 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 03/14/2022
 to 03/14/2022.

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

DATED: 03/14/2022

Notary Public in and for the state of Texas, residing in
 Dallas County



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



DRILLING COMPANY, INC.
WICHITA, KANSAS

**ATTACHMENT TO ACO-4
APPLICATION FOR COMMINGLING OF PRODUCTION**

**Signed Certificate of Notice to Offset Operators and Unleased Mineral Holders
Mull Drilling Company, Inc.
Wieland-CMB Unit #1-4
SE/4 NW/4 Section 4-11S-31W
Gove County, Kansas
API No. 15-063-22327-00-00**

Names and addresses of each operator or lessee of record and each unleased mineral owner within one half mile of the subject well:

T10S-R31W, Thomas County, KS
Section 34: SW/4

Jill D. Prewo
2779 County Road 26
Grinnell, KS 67738

Section 34: S 100 ac. in SE/4

James & Kristeen Fellhoelter
3524 County Road B
Oakley, KS 67748

T11S-R31W, Gove County, KS
Section 4: N/2

Mull Drilling Company, Inc.
1700 N Waterfront Pkwy, Bldg. 1200
Wichita, KS 67206

Section 4: SW/4

Robert J. Stephens Trust No. 1
2722 County Road 12
Oakley, KS 67748

Section 4: SE/4 lying North of RR Row

Susan Bloom
616 Wink Avenue
Oakley, KS 67748

Section 4: SE/4 lying South of RR Row.

Craig Prewo
2779 County Road 26
Grinnell, KS 67738

Section 5: NE/4

William & Harriett Bixenman Trusts
200 S 2nd
Grinnell, KS 67738

Mull Drilling Company, Inc's Wieland-CMB Unit #1-4
SE/4 NW/4 Section 4-11S-31W
Gove County, Kansas
Page 2

Copy of the ACO-4 was mailed to the above listed companies/individuals on March 9, 2022.

Signed this 9th day of March, 2022.

MULL DRILLING COMPANY, INC.



Risa O'Bryhim
Production Technician

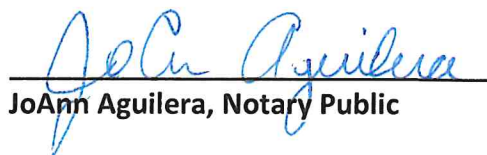
STATE OF KANSAS

ACKNOWLEDGEMENT FOR INDIVIDUAL

COUNTY OF SEDGWICK

Before me, the undersigned, a Notary Public, within and for said county and state, on this 9th day of March, 2022, personally appeared Risa O'Bryhim, Production Technician of Mull Drilling Company, Inc., to me personally known to be the identical person who executed the within and foregoing Certificate of Service Form and acknowledged to me that she executed the same as her free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.



JoAnn Aguilera, Notary Public

My commission expires: _____

Miller 1

County Road FF

THOMAS

County Road FF

GOVE

COUNTY ROAD 14

Bobbitt 1

Wieland-Cmb Unit 1-4

3012 ft

COUNTY ROAD 14

S4-T11S-R31W

Union Electric

OLD HIGHWAY 40

OLD HIGHWAY 40

AD 14

WIELAND-CMBUNIT#1-4



DownHole SAT(tm)

FORMATION WATER CHEMISTRY INPUT

Mull Drilling
Wieland CMB 1-14
Contactor

Pro-Stim Chemicals
Troy Pelton

Report Date: 06-06-2018 Sampled: 05-15-2018 at 1644
Sample #: 4200 Sample ID: WBaten

CATIONS

Calcium (as Ca)	3680
Magnesium (as Mg)	705.00
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	30407
Potassium (as K)	0.00
Lithium (as Li)	0.00
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	178.00
Manganese (as Mn)	3.43
Zinc (as Zn)	0.00
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	57000
Sulfate (as SO ₄)	1400
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	660.00
Bicarbonate (as HCO ₃)	400.00
Carbonate (as CO ₃)	0.00
Oxalic acid (as C ₂ O ₄)	0.00
Silica (as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	0.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	0.00

PARAMETERS

Calculated T.D.S.	92378
Molar Conductivity	128132
Resistivity	7.80
Sp.Gr.(g/mL)	1.05
Pressure(psia)	14.70
pCO ₂ (psia)	0.0547
pH ₂ S(atm)	0.00
Temperature (°F)	71.00
pH	6.59

CORROSION RATE PREDICTION

CO ₂ - H ₂ S Rate(mpy)	0.0146
--	--------

COMMENTS All anions & cations are in mg/l

FRENCH CREEK SOFTWARE, INC.
1220 VALLEY FORGE ROAD, SUITE 21, VALLEY FORGE, PA 19460



DownHole SAT(tm)

FORMATION WATER DEPOSITION POTENTIAL INDICATORS

Mull Drilling	Pro-Stim Chemicals
Wieland CMB 1-14	Troy Pelton
Contactore	

Report Date:	06-06-2018	Sampled:	05-15-2018 at 1644
Sample #:	4200	Sample ID:	WBaten

SATURATION LEVEL

Calcite (CaCO ₃)	2.12
Aragonite (CaCO ₃)	1.99
Witherite (BaCO ₃)	0.00
Strontianite (SrCO ₃)	0.00
Calcium oxalate (CaC ₂ O ₄)	0.00
Magnesite (MgCO ₃)	0.375
Anhydrite (CaSO ₄)	0.478
Gypsum (CaSO ₄ *2H ₂ O)	0.731
Barite (BaSO ₄)	0.00
Celestite (SrSO ₄)	0.00
Fluorite (CaF ₂)	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO ₂)	0.00
Brucite (Mg(OH) ₂)	< 0.001
Magnesium silicate	0.00
Iron hydroxide (Fe(OH) ₃)	238.19
Strengite (FePO ₄ *2H ₂ O)	0.00
Siderite (FeCO ₃)	110.88
Halite (NaCl)	0.0263
Thenardite (Na ₂ SO ₄)	< 0.001
Iron sulfide (FeS)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO ₃)	0.125
Aragonite (CaCO ₃)	0.117
Witherite (BaCO ₃)	-65.83
Strontianite (SrCO ₃)	-21.35
Calcium oxalate (CaC ₂ O ₄)	-0.0535
Magnesite (MgCO ₃)	-0.332
Anhydrite (CaSO ₄)	-882.39
Gypsum (CaSO ₄ *2H ₂ O)	-352.45
Barite (BaSO ₄)	-0.174
Celestite (SrSO ₄)	-269.03
Fluorite (CaF ₂)	-12.92
Calcium phosphate	>-0.001
Hydroxyapatite	-971.64
Silica (SiO ₂)	-95.33
Brucite (Mg(OH) ₂)	0.00274
Magnesium silicate	-289.49
Iron hydroxide (Fe(OH) ₃)	< 0.001
Strengite (FePO ₄ *2H ₂ O)	>-0.001
Siderite (FeCO ₃)	0.271
Halite (NaCl)	-432401
Thenardite (Na ₂ SO ₄)	-220267
Iron sulfide (FeS)	-0.0475

SIMPLE INDICES

Langelier	0.612
Ryznar	5.37
Puckorius	3.79
Larson-Skold Index	260.81
Stiff Davis Index	-0.0997
Oddo-Tomson	-0.422

BOUND IONS

Calcium	3680
Barium	0.00
Carbonate	3.56
Phosphate	0.00
Sulfate	1400

TOTAL

FREE

OPERATING CONDITIONS

Temperature (°F)	71.00
Time(mins)	3.00

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



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

Dwight D. Keen, Chair
Susan K. Duffy, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

May 24, 2022

Mark Shreve
Mull Drilling Co., Inc.
1700 N Waterfront Pkwy, Bldg 1200
Wichita, KS 67206

RE: Approved Commingling CO042203
Wieland-CMB Unit 1-4
API No. 15-063-22327-00-00

Dear Mr. Shreve:

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 Cherokee 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,

Production Department Supervisor