

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.

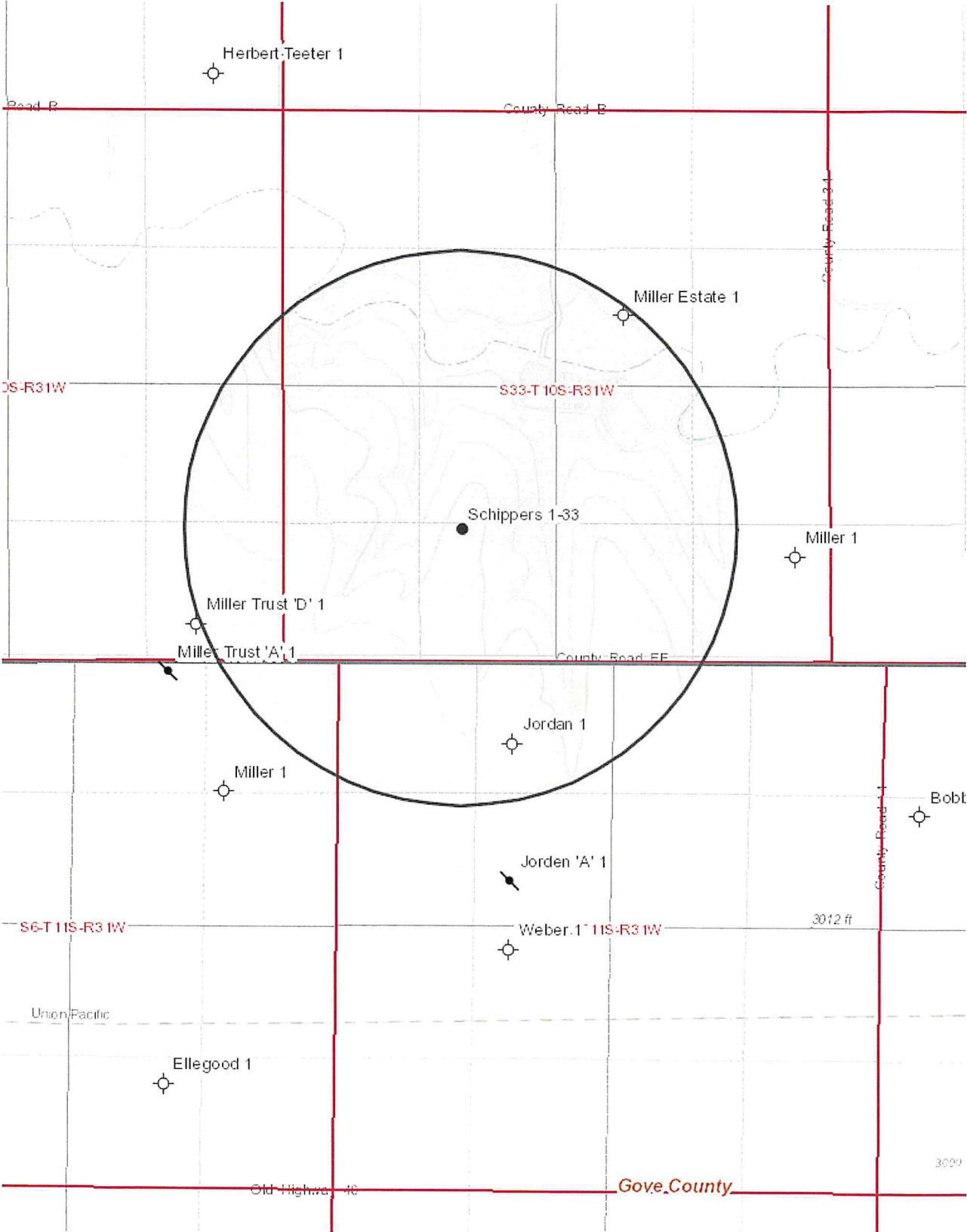
AFFIDAVIT: I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

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.

Schippers #1-33 Commingle Application





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.
Schippers #1-33
SE/4 SW/4 Section 33-10S-31W
Thomas County, Kansas
API No. 15-193-21044-00-00

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

Thomas County, Sec. 32: SE/4 NE/4 & E/2 SE/4
Gove County, Sec. 6: NE/4 NE/4

Rose Revocable Living Trust
3266 County Road B
Oakley, KS 67748


Thomas County, Sec. 33: S/2, SW/4 NE/4 & S/2 NW/4
Gove County, Sec. 5: NW/4 & NW/4 NE/4

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

Copy of the ACO-4 was mailed to the above listed companies/individuals on December 9, 2019.

Signed this 9th day of December, 2019.

MULL DRILLING COMPANY, INC.

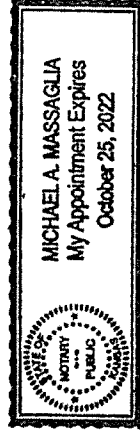

Risa Carter
Production Technician


**STATE OF KANSAS
COUNTY OF SEDGWICK**

ACKNOWLEDGEMENT FOR INDIVIDUAL

Before me, the undersigned, a Notary Public, within and for said county and state, on this 9th day of December, 2019, personally appeared Risa Carter, 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 he executed the same as his 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.




Michael A. Massaglia, Notary Public

My commission expires: 10/25/2022



LEGAL PROOF OF PUBLICATION

Account #	Ad Number	Identification	PO	Amount	Cols	Lines
453877	0004465097	BEFORE THE STATE CORPORATION COMMIS	Legal notice	\$329.84	1	52

Attention: Risa Carter

MULL DRILLING COMPANY, INC.
1700 N. WATERFRONT PKWY, BUILDING 1200
WICHITA, KS 67206

**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
Bouziden Unit #3-10, located in Clark
County, KS; the Cooper #1-12, located in
Rawlins County, KS; the Schippers #1-33,
located in Thomas County, KS.
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, Cherokee, and Morrow forma-
tions on the Bouziden Unit #3-10,
located SW/4 NE/4 10-32S-23W, Clark
County, KS; the LKC, Marmaton, and
Cherokee formations on the Cooper #1-
12, located NW/4 NW/4 12-5S-33W, Raw-
lins County, KS; the LKC, Pawnee, and
Myrick Station formations on the Schip-
pers #1-33, located SE/4 SW/4 33-10S-
31W, Thomas County, KS.
Any persons who object to or protest this
application shall be required to file their
objections or protests with the Conserva-
tion 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
files 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 Kan-
sas. If no protests are received, this appli-
cation may be granted through a summa-
ry proceeding. If valid protests are
received, this matter will be set for hear-
ing.
All persons interested or concerned shall
take notice of the foregoing and shall gov-
ern themselves
accordingly.
Mull Drilling Company, Inc.
1700 N. Waterfront Parkway,
Building 1200
Wichita, KS 67206
316-264-6366

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

1 Insertions

Beginning issue of: 11/20/2019

Ending issue of: 11/20/2019

STATE OF KANSAS)

.SS

County of Sedgwick)

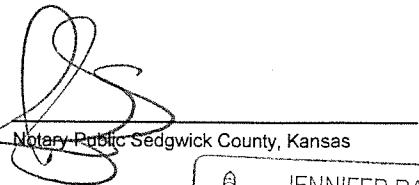
Tony Berg, of lawful age, being first duly
sworn, deposeth and saith: That he is
Record Clerk of The Wichita Eagle, a daily
newspaper published in the City of Wichita,
County of Sedgwick, State of Kansas, and
having a general paid circulation on a daily
basis in said County, which said
newspaper has 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 11/20/2019 to 11/20/2019.

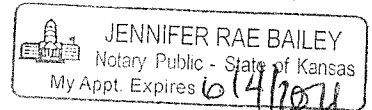
I certify (or declare) under the penalty of
perjury that the foregoing is true and correct.



(Signature of Principal Clerk)

DATED: 11/20/2019


Notary Public Sedgwick County, Kansas


JENNIFER RAE BAILEY
Notary Public - State of Kansas
My Appt. Expires 6/4/2024

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

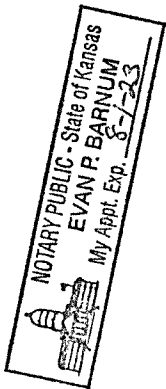
THE COLBY FREE PRESS

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 the20TH..... day ofNOVEMBER....., 20 19, with subsequent publications being made on the following dates:

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



Kathryn Ballard
.....

Subscribed and sworn to before me this 26TH day of

.....NOVEMBER....., 20 19.....

[Signature]
.....
Notary Public

My commission expiresAUGUST 1....., 20 23.....
Publication Fee \$.....57.11.....
Additional copies \$.....

Public Notice

**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 Schippers #1-33, located in Thomas County, Kansas.

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

You, and each of you, are hereby notified that Mull Drilling Company, Inc. has filed an application to commingle production of the Lansing-Kansas City, Pawnee, and Myrick Station formations on the Schippers #1-33, located SE/4 SW/4 33-10S-31W, Thomas 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 files 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.

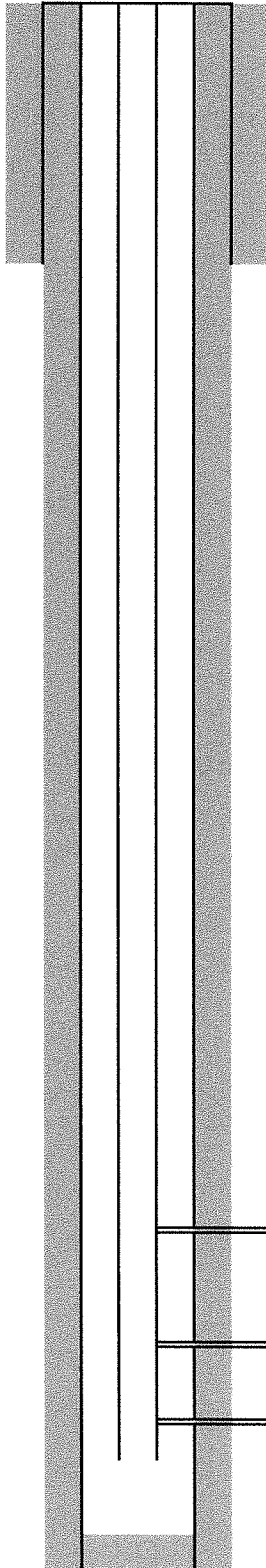
Mull Drilling Company, Inc.
1700 N. Waterfront Parkway, Building 1200
Wichita, KS 67206
316-264-6366

(Published in the Colby Free Press on
Wednesday, November 20, 2019)



DRILLING COMPANY, INC.
WICHITA, KANSAS

Proposed Wellbore Configuration



8-5/8", 23# set at 287'
Cmt to surf w/170 sx.

Date:	<u>11/7/2019</u>
Well Name:	<u>Schippers #1-33</u>
Location:	<u>1243' FSL & 1732' FWL</u>
	<u>Section 33-T10S-R31W</u>
County:	<u>Thomas</u>
State:	<u>Kansas</u>
API:	<u>015-193-21044</u>
KB:	<u>3010'</u>
GL:	<u>3005'</u>
Spud Date:	<u>6/12/2019</u>

Proposed Perfs at 4197'-4253' in the Lansing-Kansas City

Existing Perfs at 4442'-4448' (4spf) in the Pawnee

Proposed Perfs at 4488'-4492' in the Myrick Station

5-1/2", 15.5 # casing set at 4672'
Cemented to surface with 270 sks. H-Con & 200 sks. H-Long Cement.



DownHole SAT(tm)

FORMATION WATER CHEMISTRY INPUT

Mull Drilling
Wieland CMB 1-14
Contactor

Pro-Stim Chemicals
Troy Pelton

Nearest water analysis
to the Schippers #1-33.
This is produced
water from the
Cherokee, Fort Scott,

Report Date: 06-06-2018
Sample #: 4200

Sampled: 05-15-2018 at 1644
Sample ID: WBaten

Myrick Station and
Pleasanton zones.

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

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



Phone: 316-337-6200
Fax: 346-337-6211
<http://kcc.ks.gov/>

Dwight D. Keen, Chair
Shari Feist Albrecht, Commissioner
Susan K. Duffy, Commissioner

Laura Kelly, Governor

January 3, 2020

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

RE: Approved Commingling CO012001
Schippers 1-33
API No. 15-193-21044-00-00

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 Myrick Station formation perforations, total oil production shall not exceed 200 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

File form ACO-1 upon re-completion of the well to commingle.

Sincerely,

Rick Hestermann
Production Department