

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

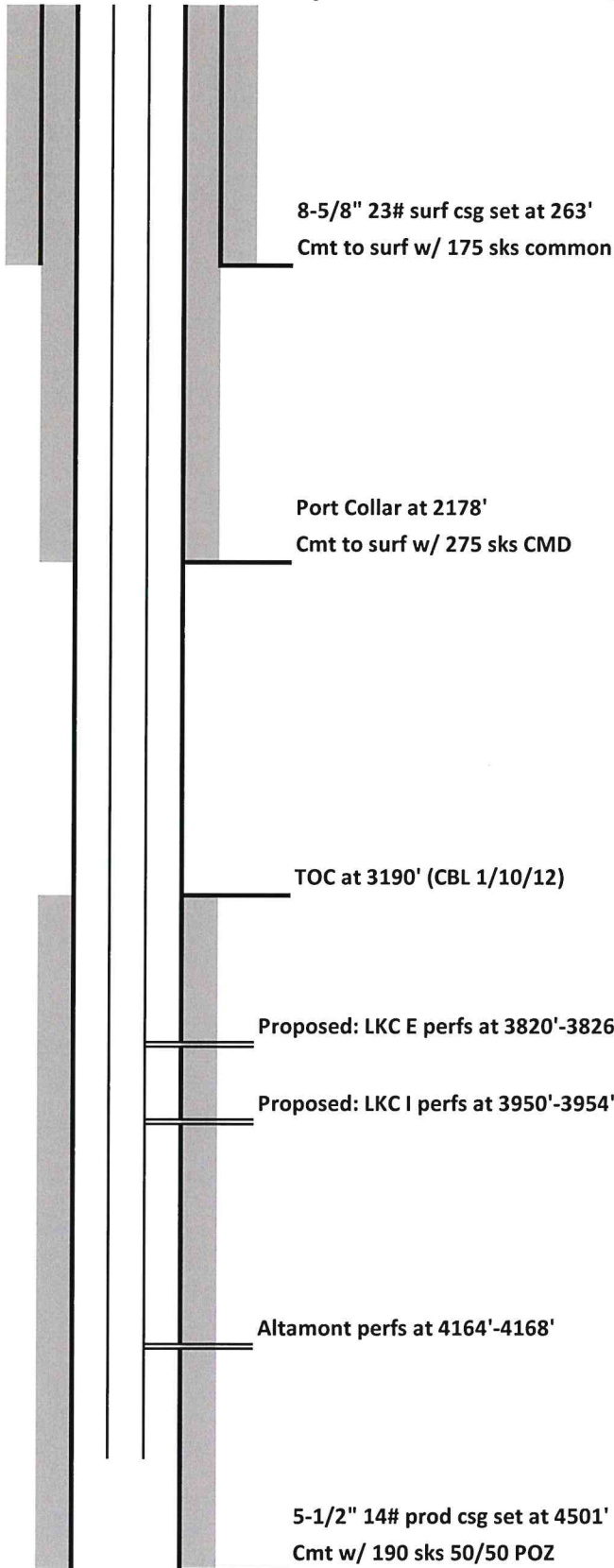
KCC Office Use Only
 Denied Approved
15-Day Periods Ends: _____
Approved By: _____ Date: _____

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.



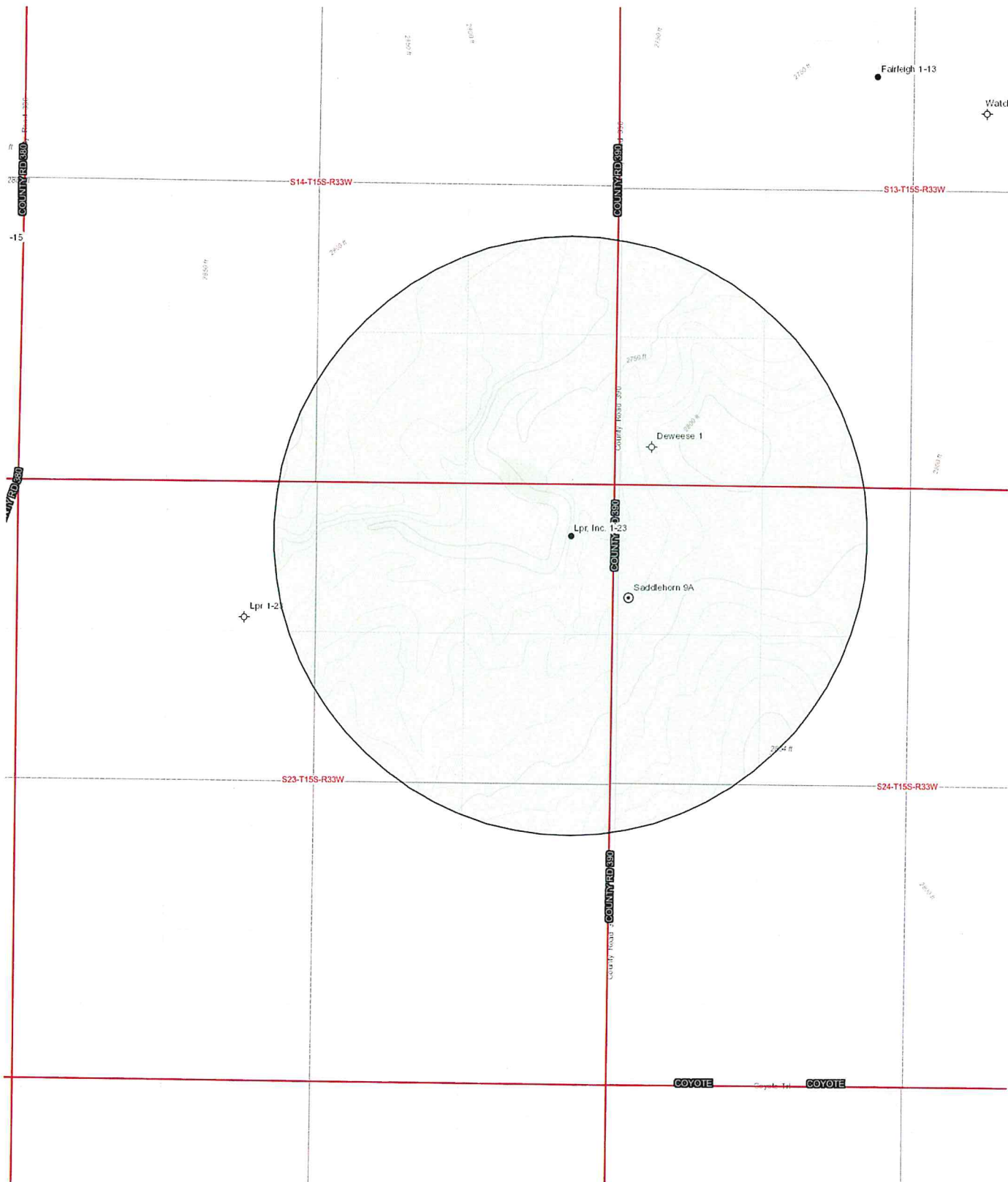
DRILLING COMPANY, INC.
WICHITA, KANSAS

Proposed Wellbore Configuration



Date:	<u>3/30/2022</u>
Well Name:	<u>LPR, Inc. #1-23</u>
Location:	<u>466 FNL & 374 FEL</u>
	<u>Section 23-T15S-R33W</u>
County:	<u>Logan</u>
State:	<u>Kansas</u>
API:	<u>15-109-21033</u>
KB:	<u>2766'</u>
GL:	<u>2761'</u>
Spud Date:	<u>11/28/2011</u>

PBTD: 4444'
RTD: 4510'





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.
LPR, Inc. #1-23
NE/4 NE/4 Section 23-15S-33W
Logan County, Kansas
API No. 15-109-21033-00-00**

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

Section 13: SW/4

Fairleigh Ranch Corporation
207 E. Bellevue Ave.
Scott City, Kansas 67871

Section 14: SW/4

Richard B. Christy Trust dated Jan 13, 1983
c/o Marian Nolan
1510 E. Road 240
Scott City, Kansas 67871

Adele Christy Trust dated Jan 13, 1983
c/o Marian Nolan
1510 E. Road 240
Scott City, Kansas 67871

LA7, LLC
c/o Irene Huck
7351 E. Road 200
Scott City, Kansas 67871

Section 14: SE/4

Brito Oil Company, Inc.
8100 E. 22nd St. North, Suite 600-R
Wichita, Kansas 67226

Hay Creek Royalties, LLC
c/o BOFK NA, Agent
Attn: Mineral Department
P.O. Box 1588
Tulsa, Oklahoma 74101

Estate of Margaret N. Porter, deceased
c/o MPW Minerals, LLC
P.O. Box 20522
Oklahoma City, Oklahoma 73156

Section 14: SE/4
Section 23: NW/4, SE/4

LPR, Inc.
c/o Chad Gerber
319 County Road 380
Winona, Kansas 67764

Mull Drilling Company, Inc's LPR, Inc. #1-23
NE/4 NE/4 Section 23-15S-33W
Logan County, Kansas
Page 2

Section 23: NE/4

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

Section 24: N/2NW/4, SW/4NW/4, NW/4SW/4

Estate of Elmer H. Epperson, deceased
Address unknown

Fairleigh Ranch Corporation
207 E. Bellevue Ave.
Scott City, Kansas 67871

M. Agnes Jones
Address unknown

Section 24: E/2SW/4, SW/4SW/4, SE/4NW/4

Fairleigh Ranch Corporation
207 E. Bellevue Ave.
Scott City, Kansas 67871

Copy of the ACO-4 was mailed to the above listed companies/individuals on April 25, 2022.

Signed this 25th day of April, 2022.

MULL DRILLING COMPANY, INC.


Risa O'Bryhim
Production Technician

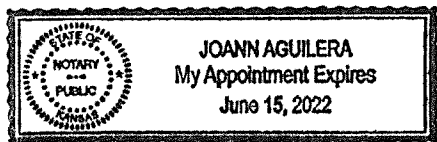
STATE OF KANSAS

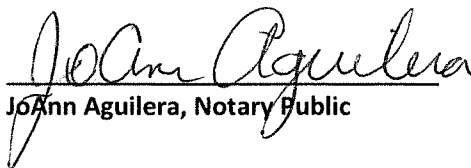
ACKNOWLEDGEMENT FOR INDIVIDUAL

COUNTY OF SEDGWICK

Before me, the undersigned, a Notary Public, within and for said county and state, on this 25th day of April, 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: _____



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	253760	Print Legal Ad - IPL0070507		\$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
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 LPR, Inc. #1-23, located in Logan 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 and Altamont formations on the LPR, Inc. #1-23, located NE/4 NE/4 23-15S-33W, Logan 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
 IPL0070507
 Apr 27 2022

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

No. of Insertions: 1
 Beginning Issue of: 04/27/2022
 Ending Issue of: 04/27/2022

STATE OF KANSAS)

SS

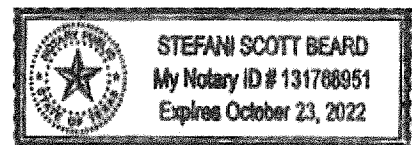
County of Sedgwick)

Hayley Martin, 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 from 04/27/2022 to 04/27/2022.

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

DATED: 04/26/2022

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!

Proof of Publication

State of Kansas,
County of Logan, ss:

of lawful age, being duly sworn upon oath states that he/she is the editor of **THE OAKLEY GRAPHIC**.

THAT said newspaper has been published at least weekly 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 newspaper was entered as second class matter at the post office of its publication;

THAT said newspaper has a general paid circulation on a daily, weekly, monthly, or yearly basis in LOGAN County, Kansas and is NOT a trade, religious or fraternal publication and has been printed and published in LOGAN County, Kansas.

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

- 1st Publication was made on the 27th day of April, 2022
- 2nd Publication was made on the ___ day of ___, 20 ___
- 3rd Publication was made on the ___ day of ___, 20 ___
- 4th Publication was made on the ___ day of ___, 20 ___
- 5th Publication was made on the ___ day of ___, 20 ___
- 6th Publication was made on the ___ day of ___, 20 ___

Publication fee \$ 62.10
 Affidavit, Notary's Fees \$ _____
 Additional Copies @ _____ \$ _____
 Total Publication Fee \$ 62.10

Saylor Masfield
(Signed)

Witness my hand this 5th day of May, 2022

SUBSCRIBED and SWORN to before me this 5th

day of May, 2022.

Anita Gabel
(Notary Public)

My commission expires January 16, 2022

(First published in The Oakley Graphic on April 27, 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 LPR, Inc. #1-23, located in

Logan 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 LKC and Altamont formations on the LPR, Inc. #1-23, located NE/4 NE/4 23-15S-33W, Logan 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





DownHole SAT®
FORMATION WATER CHEMISTRY INPUT

Mull Drilling
LPR 1-23
Wellhead

Pro-Stim Chemicals
Troy Pelton

Report Date: 11-07-2019 Sampled: 10-30-2019 at 1644
Sample #: 7006 Sample ID: WBaten

CATIONS

Calcium (as Ca)	820.00
Magnesium (as Mg)	146.00
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	22628
Potassium (as K)	0.00
Lithium (as Li)	0.00
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	2.00
Manganese (as Mn)	0.720
Zinc (as Zn)	0.00
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	34050
Sulfate (as SO ₄)	4350
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	210.00
Bicarbonate (as HCO ₃)	1120
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)	60.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	0.00

PARAMETERS

Calculated T.D.S.	62539
Molar Conductivity	81935
Resistivity	12.20
Sp.Gr.(g/mL)	1.03
Pressure(psia)	14.70
pCO ₂ (psia)	0.0777
pH ₂ S(atm)	0.0104
Temperature (°F)	70.00
pH	6.98

CORROSION RATE PREDICTION

CO ₂ - H ₂ S Rate(mpy)	0.0107
--	--------

COMMENTS All anions and cations are in mg/l

SGB Solutions
5918 S County Road 1273, Midland, TX 79706



DownHole SAT®
FORMATION WATER
DEPOSITION POTENTIAL INDICATORS

Mull Drilling
LPR 1-23
Wellhead

Pro-Stim Chemicals
Troy Pelton

Report Date: 11-07-2019 Sampled: 10-30-2019 at 1644
Sample #: 7006 Sample ID: WBaten

SATURATION LEVEL

Calcite (CaCO ₃)	3.31
Aragonite (CaCO ₃)	3.11
Witherite (BaCO ₃)	0.00
Strontianite (SrCO ₃)	0.00
Calcium oxalate (CaC ₂ O ₄)	0.00
Magnesite (MgCO ₃)	0.504
Anhydrite (CaSO ₄)	0.448
Gypsum (CaSO ₄ *2H ₂ O)	0.714
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)	< 0.001
Strengite (FePO ₄ *2H ₂ O)	0.00
Siderite (FeCO ₃)	11.56
Halite (NaCl)	0.0112
Thenardite (Na ₂ SO ₄)	< 0.001
Iron sulfide (FeS)	23.03

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO ₃)	1.39
Aragonite (CaCO ₃)	1.35
Witherite (BaCO ₃)	-55.78
Strontianite (SrCO ₃)	-17.50
Calcium oxalate (CaC ₂ O ₄)	-0.286
Magnesite (MgCO ₃)	-1.63
Anhydrite (CaSO ₄)	-1460
Gypsum (CaSO ₄ *2H ₂ O)	-606.85
Barite (BaSO ₄)	-0.0261
Celestite (SrSO ₄)	-49.93
Fluorite (CaF ₂)	-29.87
Calcium phosphate	>-0.001
Hydroxyapatite	-965.55
Silica (SiO ₂)	-98.63
Brucite (Mg(OH) ₂)	0.00626
Magnesium silicate	-290.21
Iron hydroxide (Fe(OH) ₃)	< 0.001
Strengite (FePO ₄ *2H ₂ O)	>-0.001
Siderite (FeCO ₃)	1.88
Halite (NaCl)	-471911
Thenardite (Na ₂ SO ₄)	-202078
Iron sulfide (FeS)	0.525

SIMPLE INDICES

Langelier	0.762
Ryznar	5.46
Puckorius	3.59
Larson-Skold Index	58.48
Stiff Davis Index	0.0592
Oddo-Tomson	-0.103

BOUND IONS

Calcium	820.00
Barium	0.00
Carbonate	12.17
Phosphate	0.00
Sulfate	4350

TOTAL

FREE

639.55
0.00
1.19
0.00
3064

OPERATING CONDITIONS

Temperature (°F)	70.00
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

June 1, 2022

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

RE: Approved Commingling CO052203
LPR, INC. 1-23
API No. 15-109-21033-00-00

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 Altamont 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