

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
July 2006

APPLICATION FOR COMMINGLING OF
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # C0071108

Operator Information:

License #: 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water
City/State/Zip: Wichita, KS 67202
Contact Person: Kenneth Dean
Phone #: 316-267-3241

Well Information:

API #: 15 - 039-21116 - 00-00
Lease Name: Carter Unit Well #: 1-20
Spot: NW - NW - NE - NW Sec. 20 Twp. 4 S. R. 26 East
County: Decatur West
Feet from North / South Line of Section: 100
Feet from East / West Line of Section: 1630

1. Name and upper and lower limit of each production interval to be commingled:

Formation: Howard (Perfs): 3221-3228
Formation: Lansing-Kansas City (Perfs): 3520-28, 3615-30, 3642-47
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____

2. Estimated amount of fluid production to be commingled from each interval:

Formation: Howard BOPD: 2.1 MCFPD: _____ BWPD: 7.4
Formation: LKC BOPD: 10.42 MCFPD: _____ BWPD: 10.9
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.
- 6. Complete Form ACO-1 (Well Completion form) for the subject well.

For Commingling of FLUIDS ONLY, include the following:

- _____ 5. Well construction diagram of subject well.
- _____ 6. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

State of Kansas)
)
County of Decatur)

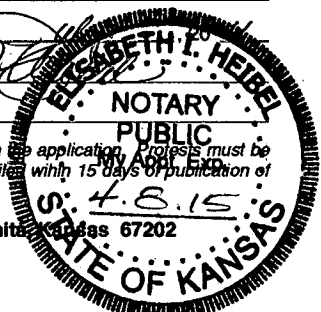
ss:

VERIFICATION: I 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.

Signature: Kenneth Dean
Printed Name: Kenneth Dean
Title: Production Geologist

Subscribed & sworn to before me this 20th day of _____
Notary Public: Elizabeth L. Heibel
My Commission Expires: 4.8.15

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.



RECEIVED
JUL 22 2011
KCC WICHITA

KCC Office Use Only
 Denied Approved
KCC Date Received: 7/22/2011 15-Day Periods Ends: 8/4/2011
Approved By: KDH Date: 8/4/2011

Affidavit of Notice Served

Re: Application for: ACO-4 Application for Commingling of Production Fluids

Well Name: Carter Unit Legal Location: NW NW NE NW

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 20th of July, 2011, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

Note: A copy of this affidavit must be served as a part of the application.

Name	Address (Attach additional sheets if necessary)
------	---

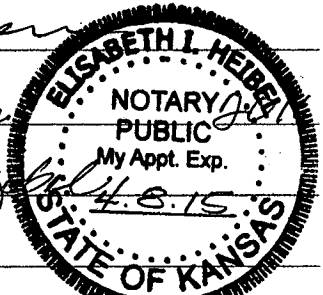
I further attest that notice of the filing of this application was published in the Oberlin Herald, the official county publication of Decatur county. A copy of the affidavit of this publication is attached.

Signed this 20th day of July, 2011

[Signature]
Applicant of Duly Authorized Agent

Subscribed and sworn to before me this 20th day of July, 2011
[Signature]
Notary Public

My Commission Expires: 4.8.15



Protests may be filed by any party having a valid interest in the application. Petitions for protests shall be in writing and shall clearly identify the name and address of the protestant and the title of the application. The petition shall include a clear and concise statement of the direct and substantial interest of the protestant in the proceedings, including the manner in which the protestant may be affected, and the nature, extent, character and grounds of the protest. Protestants shall serve the protest upon the applicant by mail or personal service at the same time or before the protestant files the protest with the Conservation Division. Protests must be filed within 15 days of the publication notice of the application.

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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Offset Operators, Unleased Mineral Owners and Landowners acreage
(Attach additional sheets if necessary)

Name:

Legal Description of Leasehold:

Murfin Drilling Co., Inc.
250 N. Water, Suite 300
Wichita, KS 67202

S/2 Sec. 17, E/2 E/2 SE/4 of Sec. 18, NE/4 of Sec 19 and
N/2 of Sec 20 all in T4S R26W

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

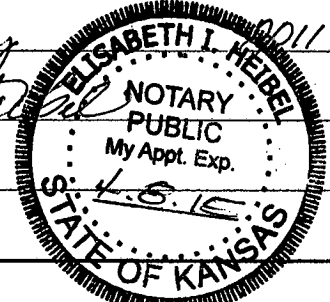
[Handwritten Signature]

Applicant or Duly Authorized Agent

Subscribed and sworn before me this 20th day of July

[Handwritten Signature]
Notary Public

My Commission Expires: 4.8.15



Instructions:

1. Fully complete application, including page 4 (*plat map*) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. Show well numbers and elevations of producing formation tops.
2. Attach some type of log (*drillers log, electric log, etc.*).
3. Attach some type of verification of cementing for surface casing, longstring, D.V. tool, perforations, etc. (*Cement ticket and job log, bond log, etc.*)
4. Attach Affidavit of Notice.
5. Fill in schematic drawing of subsurface facilities including: size, setting depth, amount of cement, measured or calculated tops of cement for each of surface, intermediate (*if any*) and production casing; size and setting depth of tubing and packer; geological zone of injection showing top and bottom of injection interval.
6. The original and one copy of the application and all attachments shall be mailed to the State Corporation Commission, Conservation Division.
7. Deliver or mail one (1) copy of the application to the landowner on whose land the injection well is located and to each operator or lessee of record and each unleased mineral rights owner within one-half mile of the applicant well.
8. Approval of this application, if granted, is valid only as long as there are no substantial changes in operation set forth in the application. A substantial change requires the approval of a new application. **No injection well may be used without prior written authorization.**
9. All application fees must accompany the application.

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JUL 22 2011

KCC WICHITA

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 4, 2011

Kenneth Dean
Murfin Drilling Company, Inc.
250 N. Water
Wichita, KS 67202

RE: Approved Commingling CO071108
Carter Unit #1-20, Sec. 20-T4S-R26W, Decatur County
API No. 15-039-21116-00-00

Dear Mr. Dean:

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. This application, which was received by the KCC on July 22, 2011 concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

Source of Supply	Estimated Current Production			Perf Depth
	BOPD	MCFPD	BWPD	
Howard	2.1	0	7.40	3221-3228
Lansing-Kansas City	10.42	0	10.90	3520-28; 3615-30; 3642-47
Total Estimated Current Production	12.52	0	18.30	

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).

Commingling ID number CO071108 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann
Production Department

Proof of Publication

STATE OF KANSAS
DECATUR
COUNTY

SS.
Cynthia Haynes
of lawful age, being duly sworn upon oath, states that she
is the publisher

of THE OBERLIN HERALD

THAT said newspaper has been published at least weekly fifty (50) times a year and has been so published for at least one year 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 weekly basis in DECATUR County, Kansas, and is

NOT a trade, religious or fraternal publication and has been

PRINTED and published in DECATUR County, Kansas.

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

1st
Publication was made on the 13th day of July, 2011.

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.....

Publication Fee \$ 51.33

Affidavit, Notary's Fees \$ 2.00

Additional Copies @ \$.....

Total Publication Fee \$ 53.33

(Sign) *Cynthia Haynes*

Witness my hand this 14th day of July, 2011.

SUBSCRIBED and sworn to before me this 14th

DAY OF July, 2011
(Notary Public)

My commission expires 4-7-2012

PUBLIC NOTICE
(Published in The Oberlin Herald,
Wednesday, July 13, 2011)1t

BEFORE THE STATE
CORPORATION COMMISSION
OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: Murfin Drilling Co., Inc.- Application for Commingling of Production on the Carter Unit #1-20, located in Decatur County, Kansas.

TO: All Oil and Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomsoever concerned.

You, and each of you, are hereby notified that Murfin Drilling Company, Inc. has filed an application for Commingling of Production from the Howard and the Lansing/Kansas City at the Carter Unit #1-20 well located in the NW NW NE NW of Sec. 20-4S-26W, Decatur Co., KS.

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

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Murfin Drilling Company, Inc.
250 N. Water, Suite 300
Wichita, KS 67202
316-267-3241

NOTARY PUBLIC - State of Kansas
PATRICIA A. COZAD
My Appt. Exp. 4-7-2012

RECEIVED
JUL 22 2011

Patricia A. Cozad NOTARY PUBLIC WICHITA

No.

Plaintiff

vs.

Defendant

Filed

20.....

Clerk

Approved

20.....

Judge

RECEIVED
C-100A

7.10
11.10
11.10
11.10

AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, 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 tradé, 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 for 1 issues, that the first publication of said notice was

3115237

made as aforesaid on the 13th of

May A.D. 2011, with

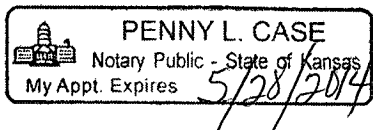
subsequent publications being made on the following dates:

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

Mark Fletchall

Subscribed and sworn to before me this

13th day of May, 2011

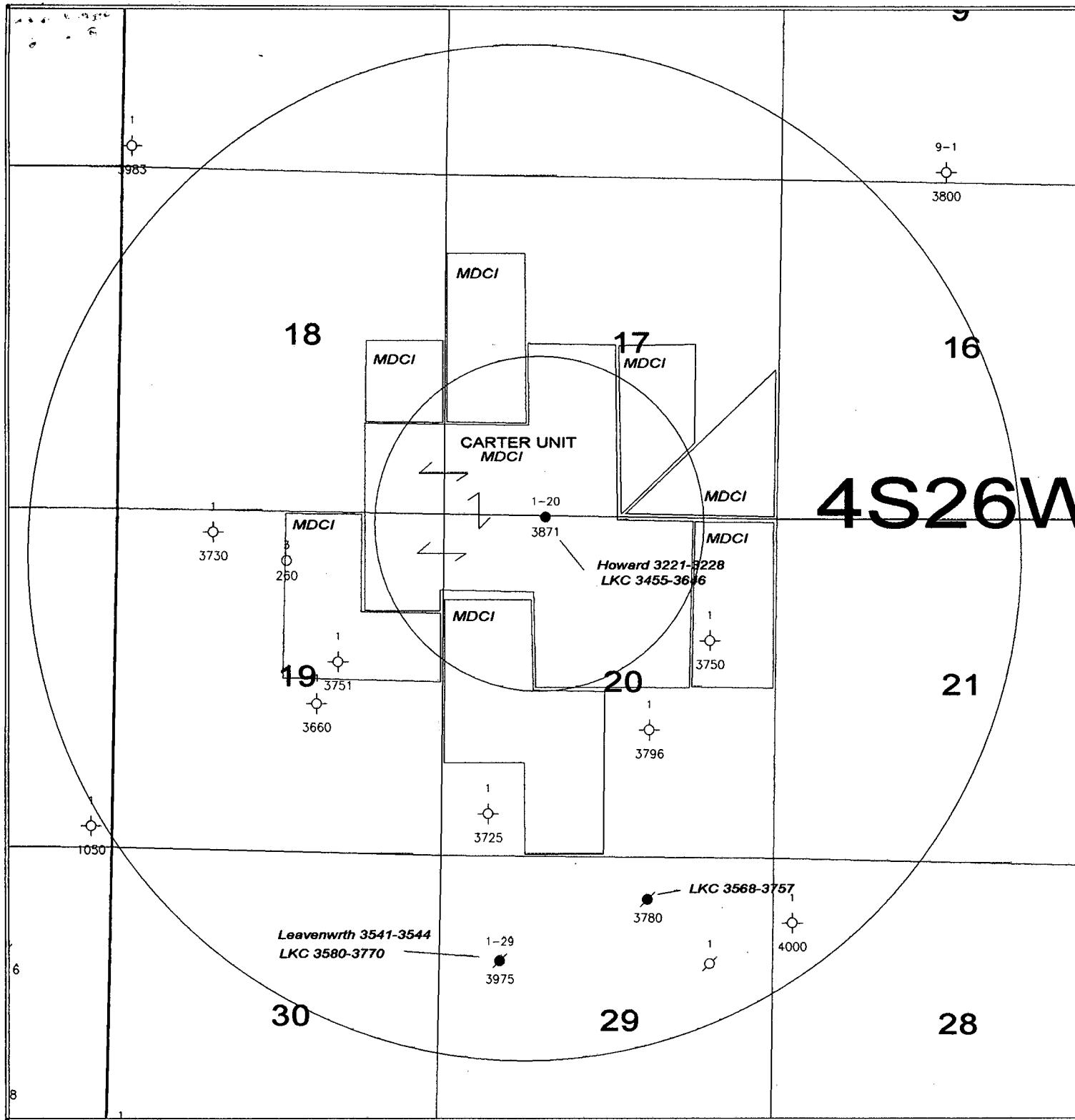


Penny L Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$103.60

LEGAL PUBLICATION
Published in The Wichita Eagle
May 13, 2011 (3115237)
BEFORE THE STATE
CORPORATION COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
RE: Murfin Drilling Co., Inc. Application for
Commingling of Production on the Carter
Unit #1-20, located in Decatur County,
Kansas.
TO: All Oil and Gas Producers, Unleased
Mineral Interest Owners, Landowners, and
all persons whom ever concerned.
You and each of you are hereby notified
that Murfin Drilling Company, Inc. has filed
an application for Commingling of
Production from the Howard and the
Lansing/Kansas City, at the Carter Unit #1-
20 well located in the NW/NE/NW of
Sec. 20-4S-26W, Decatur, Co., KS.
Any persons who object to or protest this
application shall be required to file their
objections or protest with the Conservation
Division of the State Corporation
Commission of the State of Kansas within
fifteen (15) days from the date of this
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resources of the State of Kansas.
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themselves accordingly.
Murfin Drilling Company, Inc.
250 N. Water, Suite 300
Wichita, KS 67202
316-267-3241

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LEGEND

- △ INJECTION WELL
- ⊕ DRY HOLE
- OIL WELL
- ⦿ PLUGGED OIL WELL

MURFIN DRILLING COMPANY, INC.		
CARTER UNIT #1-20 Sec. 20-4S-27W, DECATUR CO., KS		
KD		7/19/2011

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KCC WICHITA