



KANSAS CORPORATION COMMISSION 1266840  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID #* \_\_\_\_\_  
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

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.*



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1184768  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

**CONFIDENTIAL WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30606

Name: Murfin Drilling Co., Inc.

Address 1: 250 N WATER STE 300

Address 2:

City: WICHITA State: KS Zip: 67202 + 1216

Contact Person: Leon Rodak

Phone: ( 316 ) 267-3241

CONTRACTOR: License # 30608

Name: Murfin Drilling Co., Inc.

Wellsite Geologist: Saman Sharifaie

Purchaser: MV Purchasing, LLC

Designate Type of Completion:

New Well  Re-Entry  Workover

- Oil  WSW  SWD  SLOW
- Gas  D&A  ENHR  SIGW
- OG  GSW  Temp. Abd.
- 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 ENHR  Conv. to SWD
- Plug Back  Conv. to GSW  Conv. to Producer

- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- ENHR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

10/02/2013	10/12/2013	11/01/2013
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 15-063-22142-00-00

Spot Description:

SW SE NE SE Sec. 25 Twp. 12 S. R. 31  East  West

1376 Feet from  North /  South Line of Section

408 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: Gove

Lease Name: Abell Ranch Well #: 2-25

Field Name:

Producing Formation: Fort Scott, Johnson, Mississippi

Elevation: Ground: 2874 Kelly Bushing: 2885

Total Vertical Depth: 4600 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 224 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 2396 Feet

If Alternate II completion, cement circulated from: 2396

feet depth to: 0 w/ 200 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 1500 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: 01/29/2014
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NAOMI JAMES Date: 01/31/2014



1184768

Operator Name: Murfin Drilling Co., Inc. Lease Name: Abell Ranch Well #: 2-25  
 Sec. 25 Twp. 12 S. R. 31  East  West County: Gove

**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](mailto: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 type="checkbox"/> Yes <input checked="" 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  List All E. Logs Run:  <small>Dual Induction Dual Compensated Microresistivity</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name: See Attachment      Top      Datum
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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	12.2500	8.6250	23	224	Common	170	3% cc
Production	7.8750	5.5000	15.5	4598	OWC	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4410 - 4414 Fort Scott	250 gal 15% MCA	
4	4486 - 4490 Johnson	250 gal 15% MCA	
4	4516 - 4522 Mississippi	200 gal 15% MCA	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4537</u> Packer At: <u>NA</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>11/12/2013</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>111</u> Gas Mcf _____ Water Bbls. <u>6</u> Gas-Oil Ratio _____ Gravity <u>32</u>

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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4410 - 4522</u>
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MDCI Abell Ranch #2-25 1376 FSL 408' FEL Sec. 25-T12S-R31W 2885' KB							MDCI Abell Ranch #1-25 956 FSL 875' FEL Sec. 25-T12S-R31W 2873' KB	
Formation	Sample tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2370	+515	-13	2363	+522	-6	2345	+528
B/Anhydrite	2398	+487	-15	2388	+497	-5	2371	+502
Topeka	3684	-799	-11	3676	-791	-3	3661	-788
Heebner	3902	-1017	-6	3896	-1011	Flat	3884	-1011
Lansing	3938	-1053	-5	3928	-1043	5	3921	-1048
Stark	4164	-1279	-17	4158	-1273	-1	4135	-1262
Marmaton	4278	-1493	-3	4285	-1400	-10	4263	-1390
Fort Scott	4418	-1533	-6	4409	-1524	+3	4400	-1527
Cherokee	4442	-1557	-4	4437	-1552	+1	4426	-1553
Mississippi	4503	-1618	-4	4503	-1618	-4	4487	-1614
RTD	4600						4610	
LTD				4599			4612	-1739

**Affidavit of Notice Served**

Re: Application for: ACO-4 Application for Commingling of Production of Fluids  
Well Name: Abell Ranch #2-25 Legal Location: SW SE NE SE Sec. 25-12S-31W

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 8th of October, 2015, 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.

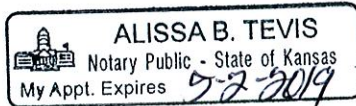
Name \_\_\_\_\_ Address (Attach additional sheets if necessary) \_\_\_\_\_

I further attest that notice of the filing of this application was published in the Gove County Advocate, the official county publication of Gove county. A copy of the affidavit of this publication is attached.

Signed this 8th day of October, 2015

[Signature]  
Applicant of Duly Authorized Agent

Subscribed and sworn to before me this 8th day of October, 2015



[Signature]  
Notary Public  
My Commission Expires: 5-2-2019


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.

**Offset Operators, Unleased Mineral Owners and Landowners acreage**

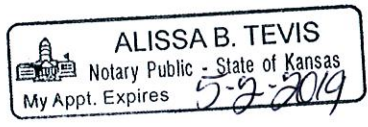
(Attach additional sheets if necessary)

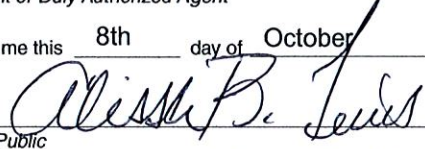
Name: <u>Murfin Drilling Co., Inc.</u> <u>250 N. Water, Suite 300</u> <u>Wichita, KS 67202</u>          	Legal Description of Leasehold: <u>W/2 Sec. 30, W/2 Sec. 31 in 12S-30W</u> <u>Sec. 25, Sec. 36 in 12S-31W</u>          
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I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

  
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 8th day of October, 2015



  
 Notary Public  
 My Commission Expires: 5-2-2019

**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.

**AFFIDAVIT OF PUBLICATION**

State of Kansas,  
Gove County, ss:

Roxanne Broeckelman,  
being first duly sworn, deposes and  
says: That she is  
co-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 one  
consecutive week(s), the first  
publication thereof being made as  
aforesaid on the 24th day  
of June, 2015,  
with subsequent publications being  
made on the following dates:

\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_

Printer's Fee ..... \$ 19.25  
Additional Copies ..... \$ \_\_\_\_\_  
Affidavit Fees ..... \$ 2.00  
Total Publication Fees \$ 21.25

*Roxanne Broeckelman*

Subscribed and sworn to before me  
this 24th day of  
June, 2015

*Linda L. Zerr*  
Notary Public

My commission expires:  
January 8, 2017

**LEGAL ADVERTISING**

(Published in the Gove County Advocate, Quinter,  
KS, Wed., June 24, 2015 - 1t)

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

**RE:** Murfin Drilling Co., Inc.- Application for Com-  
mingling of Production on the Abell Ranch #2-25,  
located in Gove County, Kansas.

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

You, and each of you, are hereby notified that  
Murfin Drilling Company, Inc. has filed an appli-  
cation for Commingling of Production from the Ft  
Scott, Johnson, and Missippian at the Abell  
Ranch #2-25 well located in the SW SE NE SE  
of Sec. 25-12S-31W, Gove Co., KS.

Any persons who object to or protest this ap-  
plication 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 them-  
selves accordingly.

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

LINDA L. ZERR  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appl. Exp. 1-8-2017



**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 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 for \_1\_ issues, that the first publication of said notice was

made as aforesaid on the 22<sup>nd</sup> of

June A.D. 2015, 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

22<sup>nd</sup> day of June, 2015



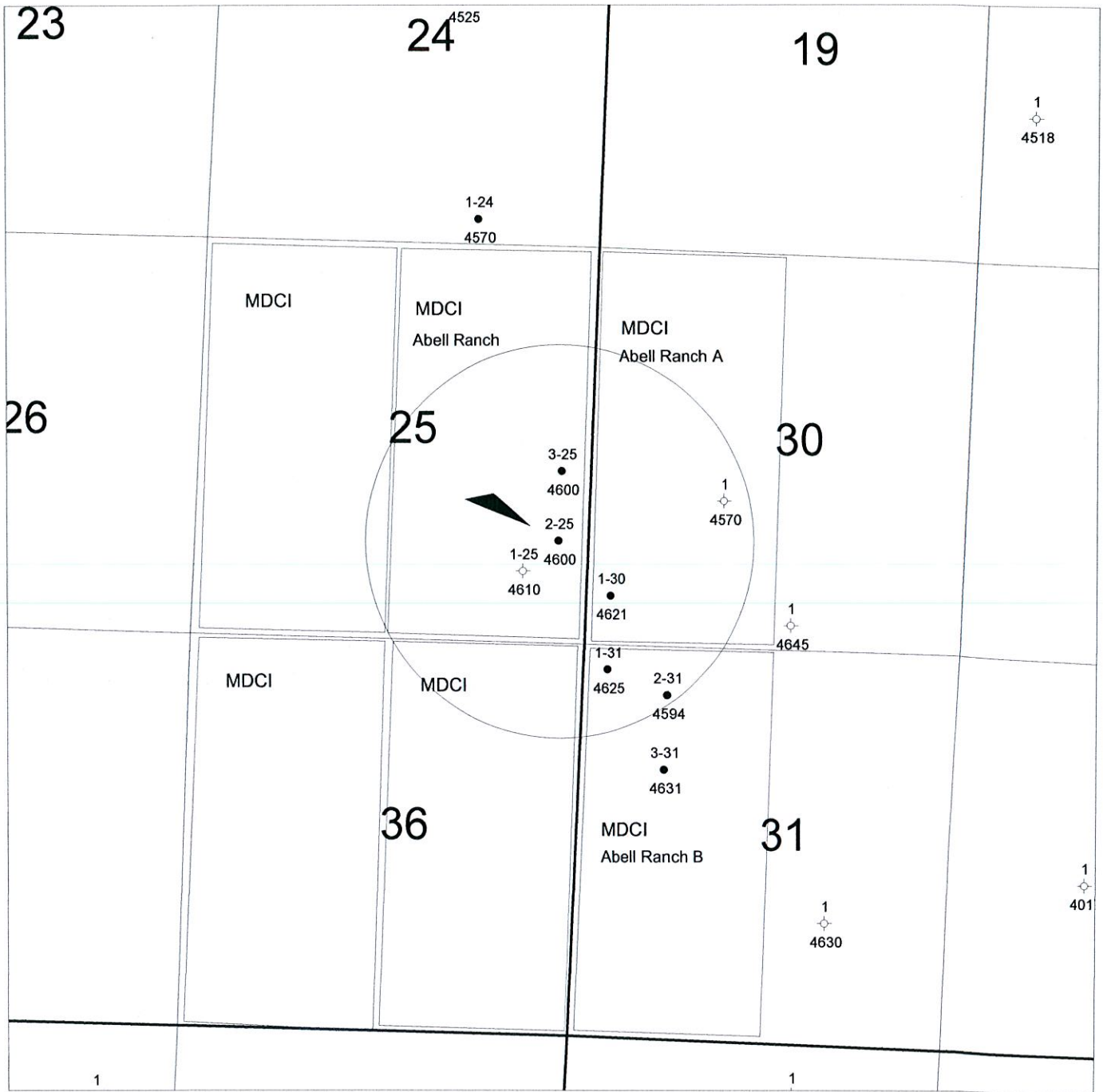
*Rachel M. Wilson*

Notary Public Sedgwick County, Kansas

Printers Fee: \$142.60

**LEGAL PUBLICATION**  
Published in The Wichita Eagle  
June 22, 2015 (3353650)  
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 Abell  
Ranch #2-25, located in Gove 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 Ft Scott, Johnson,  
and Missippian at the Abell Ranch  
#2-25 well located in the SW SE NE SE of  
Sec. 25-12S-31W, Gove 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





T12S / R30-31W



**Abell Ranch #2-25  
Commingling App.  
Sec. 25-12S-31W, Gove Co. KS**

Author:  
Date: 8 October, 2015

Horizontal Scale:  
Contour Interval:



# DUAL RECEIVER CEMENT BOND LOG

Company MURFIN DRILLING COMPANY, INC. Well ABELL RANCH #2-25 Field County GOVE State KANSAS	Company MURFIN DRILLING COMPANY, INC.	
	Well ABELL RANCH #2-25	
	Field	
	County GOVE	State KANSAS
Location:		API #: 15-063-22142-00-00
1376' FSL & 408' FEL		Other Services
SEC 25 TWP 12S RGE 31W		
Permanent Datum GROUND LEVEL Elevation 2874		Elevation K.B. 2885 D.F. G.L. 2874
Log Measured From KELLY BUSHING 11' A.G.L.		
Drilling Measured From KELLY BUSHING		

Date	OCT. 22, 2013
Run Number	ONE
Depth Driller	4600
Depth Logger	4533
Bottom Logged Interval	4532
Top Log Interval	3000
Open Hole Size	///
Type Fluid	WATER
Density / Viscosity	///
Max. Recorded Temp.	124F
Estimated Cement Top	3150
Time Well Ready	///
Time Logger on Bottom	///
Equipment Number	PT-06
Location	HAYS
Recorded By	BOB KLAUS
Witnessed By	JOHN GERSTNER

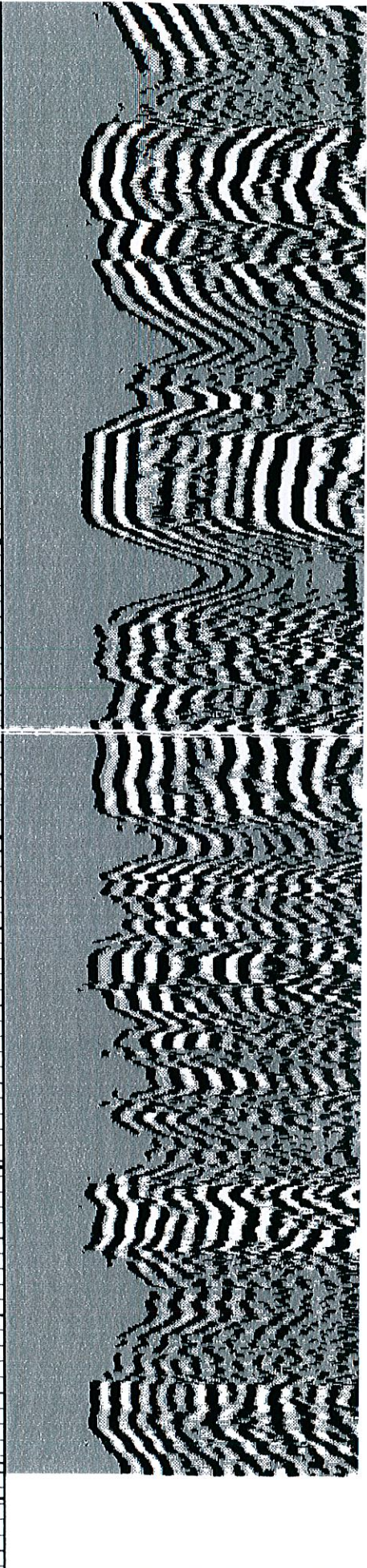
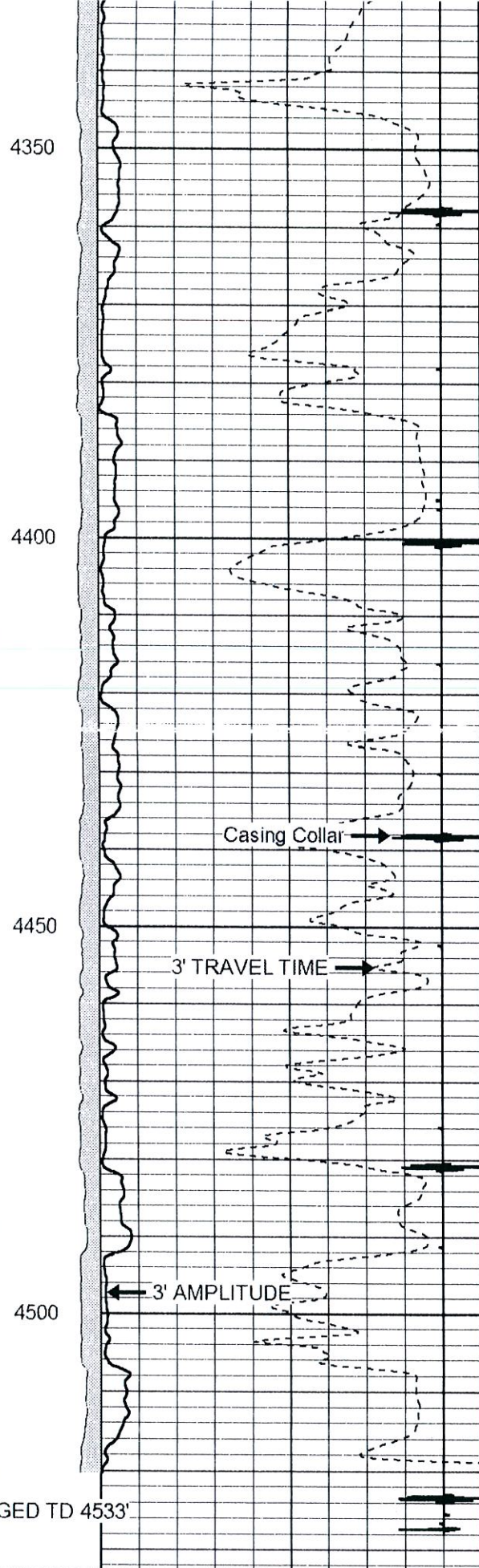
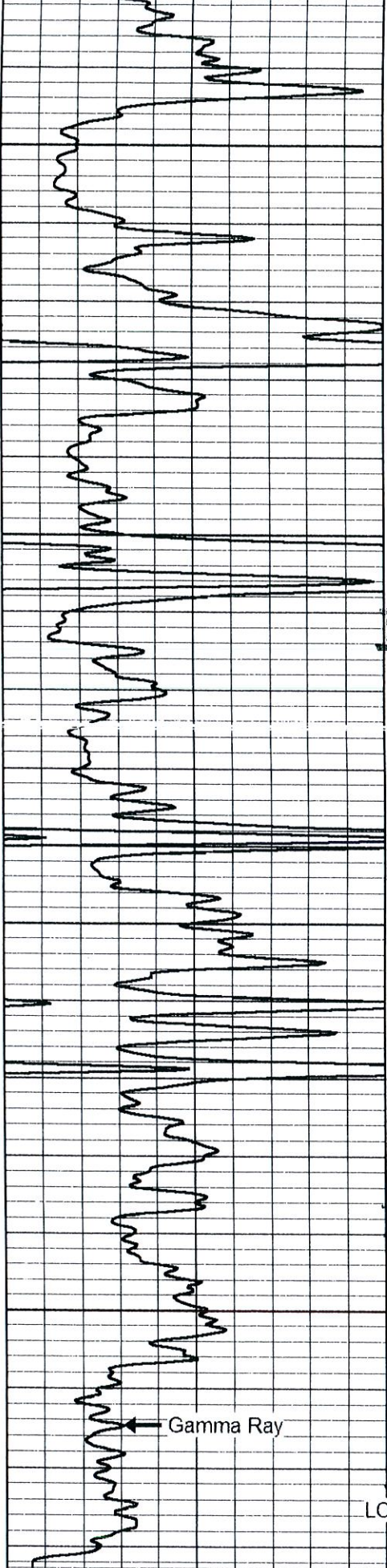
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25	00	222				
TWO	7.875	222	4600				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	23#	00	222
Prot. String				
Production String	5 1/5	15.5#	00	4597
Liner				

>>> Fold Here <<<





0	Gamma Ray (GAPI)	150	0	3' AMPLITUDE (mV)	100	200	5' Variable Density	110
			575	3' TRAVEL TIME (usec)	235			
				Collar Locator	1			



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



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

Shari Feist Albrecht, Chair  
Jay Scott Emler, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

October 26, 2015

Kenneth Dean  
Murfin Drilling Co., Inc.  
250 N Water, Ste 300  
Wichita, KS 67202-1216

RE: Approved Commingling CO101501  
Abell Ranch 2-25  
API No. 15-063-22142-00-00

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.

Based upon the depth of the Mississippian 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,

Rick Hestermann  
Production Department