

KANSAS CORPORATION COMMISSION 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)

OPERAT	OR: License #	API No. 15						
Name:_		Spot Description:						
Address	1:		Sec Twp S	S. R East West				
Address	2:		Feet from North	h / South Line of Section				
City:			Feet from East	/ West Line of Section				
Contact	Person:	County:						
Phone:	()	Lease Name:	Well #	t:				
_ 1.	Name and upper and lower limit of each production interval to	· ·						
	Formation:	, ,						
	Formation:	(Perfs): _						
	Formation:	(Perfs):						
	Formation:	(Perfs): _						
	Formation:	(Perfs): _						
☐ 2.	Estimated amount of fluid production to be commingled from e	each interval:						
	Formation:		MCFPD:	BWPD:				
	Formation:			BWPD:				
	Formation:		MCFPD:	BWPD:				
	Formation:			BWPD:				
	Formation:			BWPD:				
	Tomaton.		MOI1 D	500 5				
3.	Plat map showing the location of the subject well, all other well the subject well, and for each well the names and addresses of	•	•	s within a 1/2 mile radius of				
4.	Signed certificate showing service of the application and affida	avit of publication as required i	in K.A.R. 82-3-135a.					
For Con	nmingling of PRODUCTION ONLY, include the following:							
<u> </u>	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 Con	nmingling of FLUIDS ONLY, include the following:							
7.	Well construction diagram of subject well.							
8.	Any available water chemistry data demonstrating the compati	ibility of the fluids to be commi	ingled.					
current ir mingling	/IT: I am the affiant and hereby certify that to the best of my nformation, knowledge and personal belief, this request for comistrue and proper and I have no information or knowledge, which istent with the information supplied in this application.	Sul	omitted Electronic	cally				
KCC	Office Use Only	Protests may be filed by any t	party having a valid interest ir	n the application. Protests must be				
l —	nied Approved			filed wihin 15 days of publication of				

Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Date: _

Approved By:

15-Day Periods Ends: __





	perators, Unleased Mineral Owners and Landowners acreage Iditional sheets if necessary)					
(Allacir a	Name: Legal Description of Leasehold:					
Murfin	Drilling Co., Inc. Sec. 4,5,8, and W/2 Sec.9-1S-37W					
250 N	Water, Suite 300					
Wichit	a, KS 67202					
Berex	co LLC E/2 Sec. 9-1S-37W					
2020	l Bramblewood					
Wichit	a, KS 67206					
I hereby	tertify that the statements made herein are true and correct to the best of my knowledge and belief.					
, morocy .						
	12 mint Dem					
	Applicant or Duly Authorized Agent Subscribed and sworp before me this 4th day of December 2015					
	Subscribed and sworn before me this 4th day of December , 2015					
	ALISSA B. TEVIS Notary Public - State of Kansas Notary Public					
	My Appt. Expires 5-2-309					
	My Commission Expires:					
Instruct						
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					
(2000)	and each unleased mineral rights owner within one-half mile of the applicant well.					

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.

8.

9.

All application fees must accompany the application.

Re: Application for: New Pool Determination Well Name: Jones B #3-9 Legal Location: NE NW Sec. 9-1S-37W

The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day 4th of December

, 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

2015

Affidavit of Notice Served

Address (Attach additional sheets if necessary)

I further attest that notice of the filing of this application was published in the	, the official county publication
of Cheyenne county. A copy of the affidavit of this publication is att	ached.
Signed this 4th day of December , 2015	
Applicant of Duly Authorized Agent	
Subscribed and sworn to before me this 4th day of December	, 2015
ALISSA B. TEVIS Notary Public - State of Kansas My Appt. Expires 5-2-2019 Notary Public	
My Commission Evolves: 5-7-2019	

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.

AFFIDAVIT OF PUBLICATION STATE OF KANSAS, CHEYENNE COUNTY, ss:

Cynthia Haynes	_
Being first duly sworn, Deposes and says: That	
She	
is the	_
	Pu
of The Saint Francis Herald, a Weekly Newspaper printed in State of Kansas, and published in and of general circulation Cheyenne County, Kansas, with a general paid circulation c weekly basis in Cheyenne County, Kansas, and that said newspa is not a trade, religious or fraternal publication. Said newspaper is a Weekly published at least weekly 50 tin a year; has been so published continuously and uninterruptedly said county and state for a period of more than five years prior the first publication of said notice; and has been admitted at t post office of St. Francis in said County as second class matter. That the attached notice is a true copy thereof and was publish in the regular and entire issue of said newspaper for	R P T L Cff
following dates:	,
Subscribed and sworn to before me this 5 day of We where 20 15. And The Lord English Notary Public My commission expires: 11/23/18 Printer's fee \$_88.46	

NOTARY PUBLIC - State of Kansas KAREN KRIEN My Appt. Exp. 1133/18 Published in The Saint Francis Herald, St. Francis, Kansas, Thursday, Nov. 5, 2015. (45)

BEFORE THE STATE CORPORATION COMMISION OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: Murfin Drilling Co., Inc. Application for Commingling of Production on the Jones B #3-9, located in Cheyenne 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 application for Commingling of Production from the LKC and the Pawnee at the Jones B #3-9 well located in the NE NW of Sec. 9-1S-37W, Cheyenne 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



LEGAL PROOF OF PUBLICATION

Account #	Ad Number	Identification	PO	Amount	Cols	Lines
453646	0002062138	Published in the Wichita Eagle October 30,		\$142.60	1	39

Attention: jenny smith

MURFIN DRILLING COMPANY, INC.

250 N WATER ST

SUITE 300

WICHITA, KS 67202

LEGAL PUBLICATION

Published in ihe Wichila Egile
Oclober 30, 2015 (2062)38)
BEFORE THE STATE
CORPORATION COMMISION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
RE: Murfin Drilling Co, inc. - Application for Commingling of Production on the Jones Bit 3-9, located in Cheyrone County, Kansas.
TO: All Oil and Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.
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the Jones B #3-9 well located in the NE NW of Sec. 9-1S-37W, Cheyenne Co., KS.

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Murrin Drilling Company, Inc.
250 N. Water, Sulte 300

Wichita, KS 67202
316-267-3241

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

Insertions

Beginning issue of: 10/30/2015

Ending issue of:

10/30/2015

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 from 10/30/2015 to 10/30/2015.

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

(Signature of Principal Clerk) DATED: 10/30/2015

Public Sedgwick County, Kansas

JENNIFER RAE BAILEY Notary Public State of Kansas My Appt. Expires

tasly and united Clounty for more an

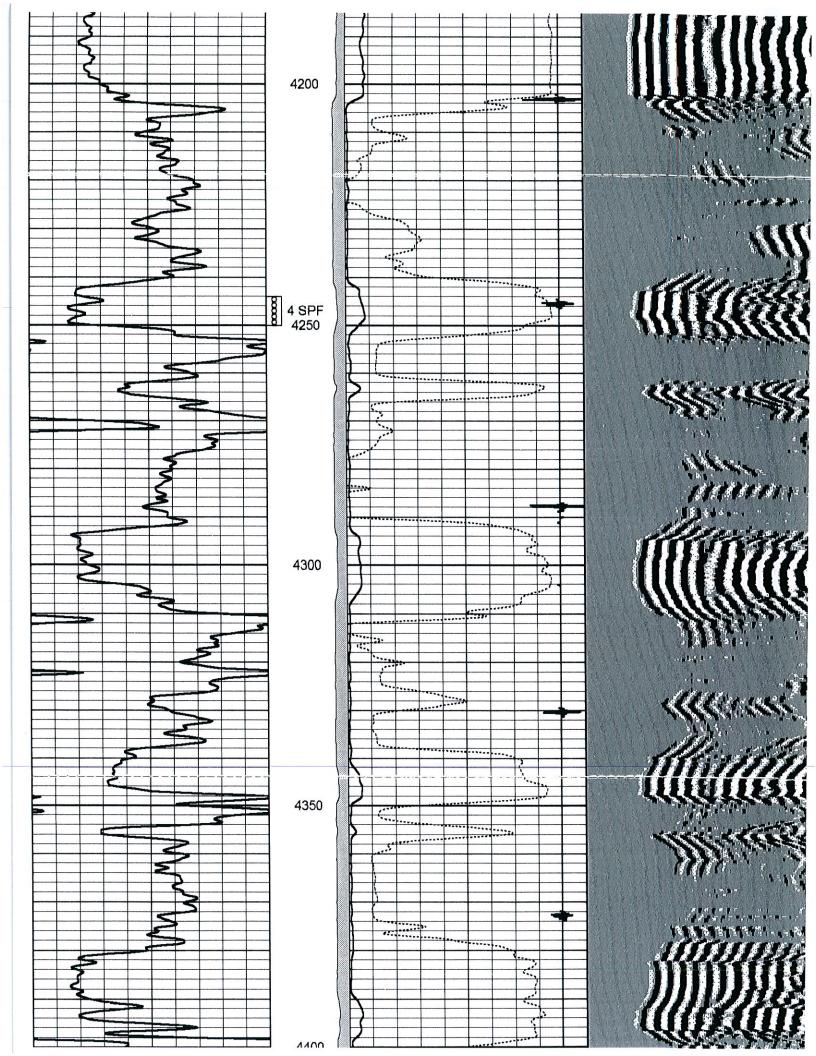
lean ente, a fire

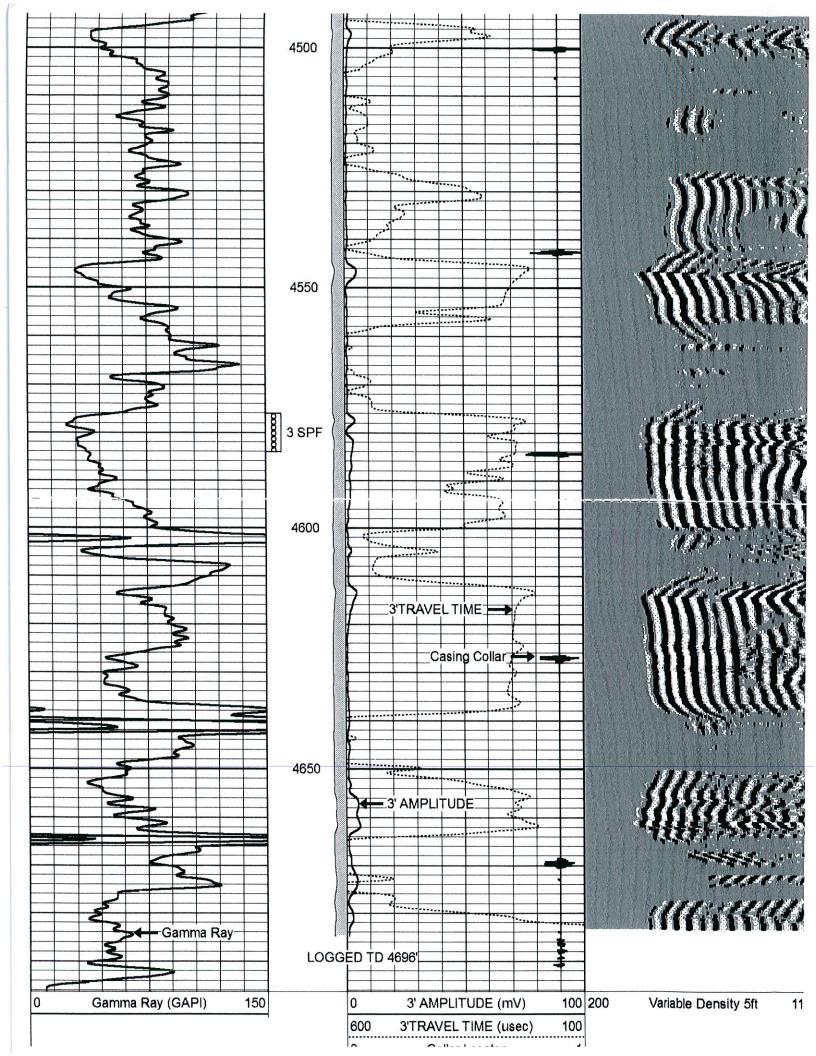
from 10/31



DUAL RECEIVER CEMENT BOND LOG

Ö.		Col	mpany	MUF	RFIN D	RILLI	NG C	OMPANY	, INC.		
Y Log Well				JONES B #3-9							
COMPA	JONES CANYON SOUTHEAST										
OS NC		Co	unty	CHEYENNE State KAN				KANSA	ISAS		
JRIL #3-9 ANY		Loc	ation:	API#:			#: 15	: 15-023-21391-00-00			her Services
MURFIN DRILLING COMPANY, INC. JONES B #3-9 JONES CANYON SOUTHEAST CHEYENNE	KANSAS			660' FNL & 1980' FWL							
	_	_		SEC 9	···	² 1S		37W	_		Elevation
Company Well Field County			anent Da					_ Elevation	3202	K.I	3. 3212
Compa Well Field County	State	_	Measured					9 10' A.G.L.		D.	
Date	ഗ	DHHI	ng Measu				JSHING	j 		G.	∟ 3202
Run Number				JUI	_Y 10, 20 ONE	14	 				
Depth Driller					4740						
Depth Logger				4696							
Bottom Logged	Inter	val		4695				*******			
Top Log Interva				3600				· -			
Open Hole Size				111 - 11							
Type Fluid				WATER					-		
Density / Viscos				111							
Max. Recorded				125F							
Estimated Cem	ent T	Ор		1230							
Time Well Read				III							
Time Logger or		lom		111			Ĺ				
Equipment Nun	nber			PT-06							
Location			HAYS								
Recorded By			BOB KLAUS								
Witnessed By			GLEN WAHRMAN				-				
Run Number Bit From			1	То		i T	Lubing	Record	ī		
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TWO		375	226	 	4740						
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Lilei							<u> </u>	 .			1102
			T		- 1						l.





Confidentiality Requested: .**☑** Yes □ No

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

Form ACO-1 August 2013 Form must be Typed Form must be Signed blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

API No. 15 - 15-023-21391-00-00						
Spot Description:						
NE_NW Sec. 9 Twp. 1 S. R. 37 East 1 Wes						
660 Feet from V North / South Line of Section						
Footages Calculated from Nearest Outside Section Corner:						
□NE ☑NW □SE □SW						
GPS Location: Lat: Long:						
GPS Location: Lat:, Long:						
Datum: NAD27 NAD83 WGS84						
County: Cheyenne						
Lease Name: Jones 'B' Well #: 3-9						
Field Name:						
Producing Formation: LKC, Pawnee						
Elevation: Ground: 3202 Kelly Bushing: 3212						
Total Vertical Depth: 4740 Plug Back Total Depth: 4696						
Amount of Surface Pipe Set and Cemented at: 223 Feel						
Multiple Stage Cementing Collar Used? Yes No						
If yes, show depth set: Feet						
If Alternate II completion, cement circulated from:						
feet depth to: sx cmt						
leet depth to sx cmt						
Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)						
Chloride content: 900 ppm Fluid volume: 600 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 #: East West						

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: 08/25/2014
Confidential Release Date: ✓ Wireline Log Received ✓ Geologist Report Received UIC Distribution
ALT II III Approved by: NAOMI JAMES Date: 08/26/2014



Page Two 1219323 Operator Name: Murfin Drilling Co., Inc. Lease Name: _______Jones 'B' Well #: Twp.1 S. R.37 Sept. Fig. 1 East West Sept. County: Cheyenne 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. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF). ✓ Yes ∏No ✓ Log Formation (Top), Depth and Datum Drill Stem Tests Taken Sample (Attach Additional Sheets) Name See Attachment Top Datum ✓ Yes □No Samples Sent to Geological Survey ☑ No Yes Cores Taken ✓ Yes Electric Log Run List All E. Logs Run: Attached CASING RECORD Used ✓ New Report all strings set-conductor, surface, intermediate, production, etc. Size Casing # Sacks Size Hole Weight Setting Type of Type and Percent Purpose of String Used Set (In O.D.) Depth Drilled Lbs. / Ft Cement Additives 200 12.2500 8.6250 23 223 Surface Common 3% CC 7.8750 5.5000 15.5 4732 SMD, EA-2 500 Production 1/2# flo-cel, 10% salt, 5% cal-seal, 1/2# ADDITIONAL CEMENTING / SQUEEZE RECORD Depth Purpose: # Sacks Used Type and Percent Additives Type of Cement Top Bottom Perforate Protect Casing Plug Back TD Plug Off Zone √ No Did you perform a hydraulic fracturing treatment on this well? ☐ Yes (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) Yes Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? No (If No, fill out Page Three of the ACO-1) Acid, Fracture, Shot, Cement Squeeze Record PERFORATION RECORD - Bridge Plugs Set/Type Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth 4 4244-4250 (LKC D) 300 g 20% MCA, 900 g 15% NeFe 300 g 20% MCA, 1200 g 15% NeFe 3 4576-4584 (Pawnee) TUBING RECORD: Size: Set At: Packer At: Liner Bun: Yes No. 2.375 4631 Date of First, Resumed Production, SWD or ENHR. Producing Method: Other (Explain) Pumping Gas Lift Flowing Water Bbis. Gas-Oil Ratio Gas Mcf Gravity **Estimated Production** Oil Bhls. Per 24 Hours 63 DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:

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



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

Sam Brownback, Governor

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

December 21, 2015

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

RE: Approved Commingling CO121501

Jones 'B' 3-9

API No. 15-023-21391-00-00

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 Pawnee 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