

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form must be typed March 2009

Form ACO-4

APPLICATION FOR COMMINGLING OF

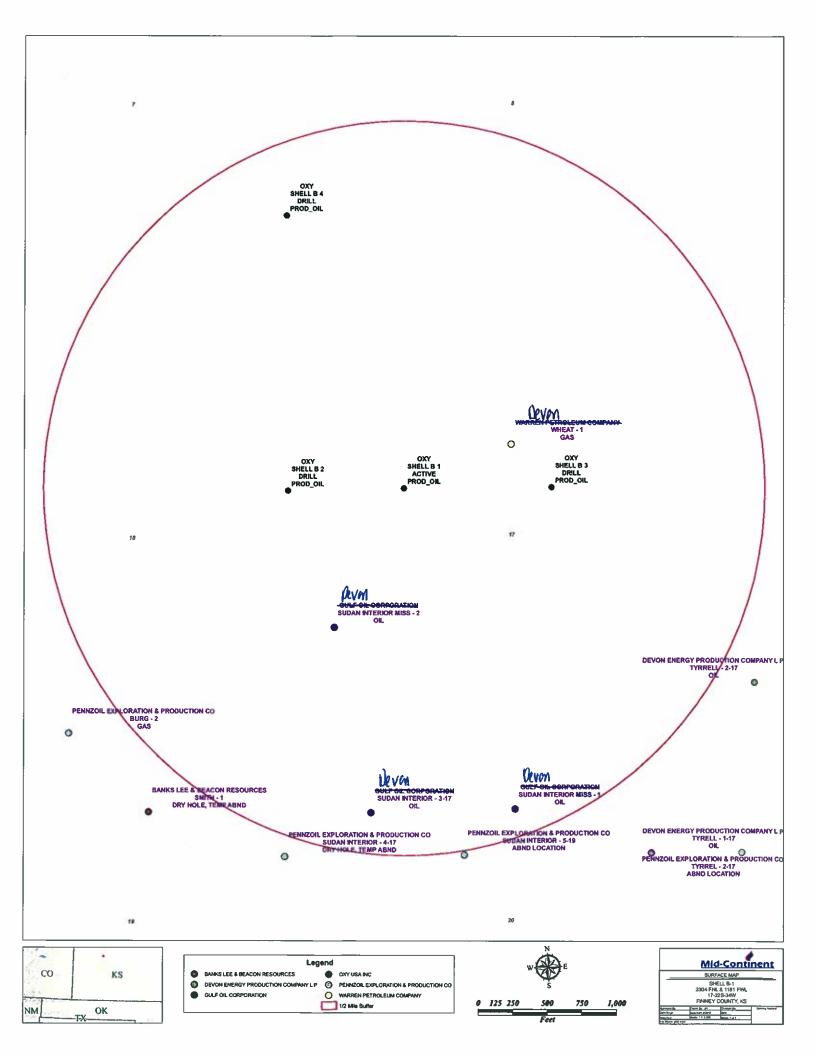
Commingling ID #

PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERAT	TOR: License #	API No. 15		
Name:_				
Address	1:		Sec Twp	S. R East West
Address	2:		Feet from N	North / South Line of Section
City:	State: Zip:+		Feet from E	ast / West Line of Section
	Person:			
Phone:	()	Lease Name:	We	ell #:
1.	Name and upper and lower limit of each production interval to	be commingled:		
L I.	Formation:	Ū.):	
	Formation:	X ·	,	
			,	
	Formation:	x	,	
	Formation:			
	Formation:):	
2.	Estimated amount of fluid production to be commingled from e	each interval:		
	Formation:	BOPD:	MCFPD:	BWPD:
	Formation:	BOPD:	MCFPD:	BWPD:
	Formation:			BWPD:
	Formation:			BWPD:
	Formation:			BWPD:
□ 3.□ 4.	Plat map showing the location of the subject well, all other we the subject well, and for each well the names and addresses of Signed certificate showing service of the application and affida	of the lessee of record or o	operator.	ases within a 1/2 mile radius of
For Con	nmingling 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	_		
0.				
For Con	nmingling of FLUIDS ONLY, include the following:			
7.	Well construction diagram of subject well.			
8.	Any available water chemistry data demonstrating the compat	ibility of the fluids to be co	mmingled.	
current in mingling	VIT: I am the affiant and hereby certify that to the best of my nformation, knowledge and personal belief, this request for comis true and proper and I have no information or knowledge, which sistent with the information supplied in this application.		Submitted Electro	nically
ксс	C Office Use Only	Protests may be filed by a	any party having a valid intere	est in the application. Protests must be
De	-	in writing and comply with the notice of application.	h K.A.R. 82-3-135b and must	be filed wihin 15 days of publication of
15-Day	y Periods Ends:			

Date: _

Approved By:



AFFIDAVIT OF NOTICE SERVED

RE:	Application for :	OXY USA Inc.	
			_

 Well Name:
 Shell B-1
 Legal Location
 NE SE SW NE S-17 T-22S R-34W

The undersigned hereby certifies that he/she is a duly authorized agent for the applicant, and that on the <u>21st</u> day of <u>May</u>, <u>2012</u>, 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.

<u>Name</u>

Roger Powers (Surface Owner) Gary Powers (Surface Owner) Devon Energy Production Company, L.P. Oxy USA, Inc. Address (attach additional sheets if necessary.)

1117 Harding Ave., Garden City, KS 67846 1205 Circle Dr., Garden City, KS 67846 20 N. Broadway Ave., Oklahoma City, OK 73102 P.O. Box 2528, Liberal, KS 67905

Signed this 21st day of May, 2012.	
ANITA PETERSON Notary Public - State of Kansas My Appt. Expires October 1, 2013	Laena bety tocket
	Laura Beth Hickert
	Applicant or Duly Authorized Agent
Subscribed and sworn to before me this $21^{\frac{1}{2}}$ day of	May , 2012
	Wrata Peterson
My Commission Expires: Oct. 1. 2013	Notary Public

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 protests upon the applicant by mail or personal service at the same time or before the Protestant files the protest with the Conservation Division.

AFFIDAVIT

\ - SS.

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STATE OF KANSAS

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 14th of

April A.D. 2012, 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.

Fletchall

Subscribed and sworn to before me this

<u>16th day of April, 2012</u>

PENNY I 産品油 Notary Public My Appt. Expires

Notary Public Sedgwick County, Kansas

Printer's Fee : \$113.20

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12110286 GENTY ALLIGHTS AND AN WE WARE WITH
A FOM INDUDUDUDUDATION
LEGAL PUBLICATION
ALTER AND A DESCRIPTION OF A DAMAGE AND A DESCRIPTION.
OT PUBLISHED IN THE WICHTA'EAGLETS
APRIL 14, 2012 (3179244)
BEFORE THE STATE COPPORATION
COMMISSION OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
REI OXY USA Inc. Application for order
2 219 to commindle Kansas City, Marmalon, Cherokee, Morrow, and St. Ganevieve 2000 sporces of supply 210 Shell B-11 well.
5 542 an countriend validation indeministry
Cherokee, Morrow, and St. Genevieve
2000 Shell Ball well.
located in Sec. 17 Two 225 R 34W,
ring and an and an arease an and
009 Finney County/Kansas, 612218/08 1900
TO; All Oll and Gas Producers, Unleased
Minerals Interest Owners,
31 21 Landowners) (7 Aland 21 all 21 persons)
You, and each of you, are hereby notified
You and each of you, are hereby notified
that OXY USA Inc. has filled an application to
Unellow I cow menues man an annihamita
commingle the production from the Kansas
City, Marmaton, Cherokee, Morrow, and St.
Genevieve sources of supply in the Shell 8-1
well, localed in the NW/4 of Sec. 17 Twp 225 R
34W in Finney County, Kansas.
Any persons who object to or protest this application shall be required to file their
and states the state of the sta
doburguosi segli og rednirad to tile tilen
objections or protests with the Conservation Division of the State Corporation Commission
Division of the State Corporation Commission
of the State of Kansas within fifteen (15)
The state of the s
days from the date of this publication. These
protests shall be flied pursuant to Commission
centilations and must state specific transpos
The second provide static
MUATER Acaus At the approximate tital carse
waste, violate correlative rights or poliute
regulations and must state specific reasons why the grant of the application may cause waste, violate correlative rights or pollute the naturel resources of the state of Kassas. The protests are received this application may be prainted through at summery proceeding.
The and providently were extended while a weiter allow so have
If the works is at a received with drawing interv
Deveranted Infought & Summary Prochesing.
U valid protests are received, this matter will
be set for hearing.
All persons interested for a concerned a shell
All persons interested or concerned shell fake notice of the foregoing and shall govern.
themselves accordingly.
OXY.USA Inc.
P.U. Box 2528
Liberal, K5 67995
1620)-629-4200

Proof Of Publication State Of Kansas **Finney County**

Dena A. Sattler, being first duly sworn, deposes and says that she is publisher of The Garden City Telegram, a daily newspaper printed in the State of Kansas and published in and of general circulation in Finney County, Kansas, on a daily basis in Finney County, Kansas, and that said newspaper is not a trade, religious, or fraternal publication.

That said newspaper is daily published at least weekly fifty (50) times a year; has been so published continuously and uninterruptedly in said county and state for a period of more than five (5) years prior to the first publication of said notice and has been admitted at the post office of Garden City, Kansas, in said county as second (2^{nd}) class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue ____ consecutive days/ weeks. newspaper for The first (1^{st}) publication thereof being made as aforesaid on the <u>History</u> day of <u>Mun</u>, <u>20 12</u>. With subsequent publications being made on the following dates:

2 nd Publication was made on the	day of	. 20
3 [™] Publication was made on the	day of	, 20
4 th Publication was made on the	day of	, 20
5 th Publication was made on the	day of	, 20
Publicati	on Fee	\$ 49 84
Additional Copies @\$		5
Total Publicati	on Fee	549.84
DASi	He	

(Signature)

Legal: 214

Witness my hand this day Of 201 toril Subscribed And Sworn to before me this WA ₽dav Of 2012 (Notary Public) My Commission Expires: 3-27-16 **NOTARY PUBLIC-State of Kanaga**



(Published in The Garden City Lelegram Saturday, April 14, 2012) Hell The Conference of the State of the State BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS NOTICE OF FILING APPLICATION RE. OXY USA Inc. Application for order to commingle Kansas City, Marmaton, Cherokee, Morrow, and St. Genevieve sources of supply in Shell B-1 well, located in Sec. 17 Twp 22S R 34W. Finney County, Kansasining-zelst, belay from virigin a baway of Cherckeet Morrow, and St. Genevieve sources of supply in the Shell B-1 well, located in the NW/4 of Sec 17. Two 22S R 34W in Finney County Kansas. Any persons who object to or protest this applica-Any persons who object to or protest this applica-tion shall be required to file their objections or protests with the Conservation Division of the State Corpora-tion Complision of the State of Kansas within in the 100 ministry of the State of Kansas within in the complexity of the State of this publication. These protests shall be filed pursuant to Commission regula-tions and must state specific reasons why the grant of the 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 All persons interested or concerned shall take no-tice of the foregoing and shall govern themselves ac-cordingly. TreeseninA2U YXOs at www.unflowedbunt.com P.O. Box 2528 Http://Liberal.it/Sil67905 101 101 100 00 0(629),629-4200

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KANSAS CORPORATION COMMISSION 1075252 OIL & GAS CONSERVATION DIVISION Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

CONFIDENTIAL OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	_						
Name: OXY USA Inc.							
Address 1: 5 E GREENWAY PLZ							
Address 2: PO BOX 27570	_						
City: HOUSTON State: TX Zip: 77227 + 7570							
Contact Person: LAURA BETH HICKERT	_						
Phone: (<u>620</u>) <u>629-4253</u>	_						
CONTRACTOR: License #							
Name: Key Energy Services, LLC	_						
Wellsite Geologist: N/A							
Purchaser: N/A							
Designate Type of Completion:							
New Well Re-Entry 🗹 Workover							
🗹 oii 🗌 WSW 🗌 SWD 🗌 SIOW							
🗌 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: OXY USA, INC.	_						
Well Name: SHELL B -1							
Original Comp. Date: 09/23/2011 Original Total Depth: 4910	_						
Deepening 🗹 Re-perf. 🗌 Conv. to ENHR 🗌 Conv. to SW	D						
Conv. to GSW							
Plug Back: Plug Back Total Depth							
Commingled Permit #:							
Dual Completion Permit #:	_						
SWD Permit #:	_						
ENHR Permit #:	_						
GSW Permit #:	_						
11/04/2011 11/30/2011							
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date							

API No. 15
Spot Description:
Feet from 🗹 North / 🗌 South Line of Section
Feet from East / 🗹 West Line of Section
Footages Calculated from Nearest Outside Section Corner:
County: Finney
Lease Name: Well #:
Field Name: AMAZON DITCH
Producing Formation: COMMINGLE
Elevation: Ground: 2975 Kelly Bushing: 2988
Total Depth: 4910 Plug Back Total Depth: 4847
Amount of Surface Pipe Set and Cemented at: Feet
Multiple Stage Cementing Collar Used? 🛛 🗌 Yes 📈 No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to:w/sx cmt.
Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec TwpS. 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
Letter of Confidentiality Received Date: 02/27/2012
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT VI II II Approved by: NAOMI JAMES Date: 02/27/2012

	Side Two	1075252
Operator Name: OXY USA Inc.	Lease Name: SHELL	Well #:B-1
Sec. 17 Twp.22 S. R. 34 🗍 East 🖌 West	County: Finney	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	🗌 Yes	✓ No	Log	Formation (Top), Depth and Datur	m 🗌 Sample
Samples Sent to Geological Survey Cores Taken Electric Log Run Electric Log Submitted Electronically <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Yes ☐ Yes ☐ Yes ☐ Yes	 ✓ No ✓ No ✓ No ◯ No 	Name SEE ORIGI	Top INAL	Datum
		CASING RECORD	New [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		
-									

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives	
Protect Casing Plug Back TD Plug Off Zone	3665-4058	CL-H NEAT	200		

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					98	4	Depth		
							ACID 1	500 GAL 15% DS FE M	MCA FLUSH 1050 GAL 2 % KCI	4142-4152
TUBING RECORD:	Siz 2.875		Set At: 4619		Packe	r At:	Liner Ru		No	
Date of First, Resumed 12/09/2011	I Producti	ion, SWD or ENH	ર .	Producing M	fethod:	ping	Gas Lift	Other (Explain)		
Estimated Production		Oil Bb	ds.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
Per 24 Hours		97		0		1	8		0	
DISPOSITION OF GAS:			METHOD OF COMPLETION			ETION:		PRODUCTION INTER	VAL:	
Vented Solo (If vented, Su		Jsed on Lease -18.)		Open Hole Other <i>(Specify</i>)	Perf.	Dually (Submit)	Comp. 4CO-5)	Commingled (Submit ACO-4)		

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

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

June 5, 2012

Laura Beth Hickert OXY USA, Inc. 5 E Greenway Plz Houston, TX 77227-7570

RE: Approved Commingling CO051206 Shell B-1, Sec.17-T22S-R34W, Finney County API No. 15-055-22110-00-01

Dear Ms. Hickert:

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 May 21, 2012, concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

		Estimated Current Production		
Source of Supply	BOPD	MCFPD	BWPD	Perf Depth
Kansas City	49	0	9	4142-4152
Marmaton	24	0	5	4392-4402
Cherokee	24	0	4	4506-4514
Morrow	0	0	0	4646-4674
St. Genevieve	0	0	0	4688-4698
Total Estimated Current Production	97	0	18	

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

Commingling ID number CO051206 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