



KANSAS CORPORATION COMMISSION 1075912  
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.*

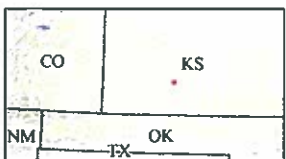
PAN AMERICAN  
WATKINS GAS UNIT-C - 2  
INJ, CO2, SRVC, ETC

AMOCO PRODUCTION COMPANY  
WATKINS G U/C/ - 2HI  
GAS

STANOLIND OIL  
WATKINS G U/C/ - 1  
GAS

OXY  
WILSON F 1  
ACTIVE  
PROD\_GAS

AMOCO PRODUCTION COMPANY  
HOFFMAN G U C - 2HI  
GAS



**Legend**

- STANOLIND OIL
- PAN AMERICAN
- AMOCO PRODUCTION COMPANY
- OXY WELL
- 1/2 Mile Buffer

0 125 250 500 750 1,000  
Feet

**Mid-Continent**  
SURFACE MAP  
Wilson F-1  
2200' FSL, 230' FEL  
T2-3US-32W  
Haskell County

Revised By:	Drawn By:	Checked By:	Quality Review:
Drawn By:	Drawn By:	Drawn By:	
Scale:	Date: 11-1-2007	Sheet: 1 of 1	

**AFFIDAVIT OF NOTICE SERVED**

RE: Application for : \_\_\_\_\_ OXY USA Inc. \_\_\_\_\_

Well Name: Wilson F-1 Legal Location SE S-23 T-30S R-33W

The undersigned hereby certifies that he/she is a duly authorized agent for the applicant, and that on the 3rd day of April, 2012, 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.)

Wanda J. Taylor (Surface Owner)  
Oxy USA, Inc.  
BP

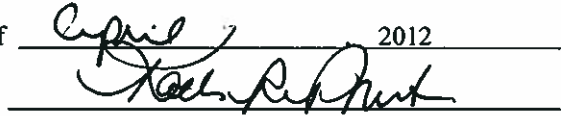
1106 N. Country Club Drive, Carlsbad, NM 88220  
P.O. Box 2528, Liberal, KS 67905  
2225 W. Oklahoma Ave., Ulysses, KS 67880

Signed this 3rd day of April, 2012.



Laura Beth Hickert  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 3<sup>rd</sup> day of April, 2012



Notary Public

My Commission Expires: November 8, 2014

*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**

STATE OF KANSAS

\ - SS.

County of Sedgwick

Mark Fletchall, of lawful age, being first duly sworn, deposes 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 17th of

March 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.

*Mark Fletchall*

Subscribed and sworn to before me this

19th day of March, 2012



*Penny L Case*  
Notary Public Sedgwick County, Kansas

Printer's Fee : \$108.40

**LEGAL PUBLICATION**  
 PUBLISHED IN THE WICHITA EAGLE  
 MARCH 17, 2012 (3174252)  
**BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS**  
**NOTICE OF FILING APPLICATION**  
 RE: OXY USA Inc. Application for order to commingle St. Louis and Chester sources of supply in Wilson F-1 well, located in Sec. 23 Twp 30S R 33W, Haskell County, Kansas.  
 TO: All Oil and Gas Producers, Unleased Minerals Interest Owners, Landowners, and all persons whosoever concerned.  
 You, and each of you, are hereby notified that OXY USA Inc. has filed an application to commingle the production from the St. Louis and Chester sources of supply in the Wilson F-1 well, located in the SE/4 of Sec. 23 Twp 30S R 33W in Haskell 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 this 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.  
 OXY USA Inc.  
 P.O. Box 2528  
 Liberal, KS 67905  
 (620)-629-4200

# Proof of Publication

STATE OF KANSAS  
COUNTY OF HASKELL SS.

Rolf yungclas

being first duly sworn, deposes and says that he/she is editor of **THE HASKELL COUNTY MONITOR-CHIEF**, a weekly newspaper printed in the State of Kansas and published in and of general circulation in Haskell County, Kansas, with a general paid circulation on a weekly basis in Haskell County, Kansas and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a weekly, published at least weekly 50 times a year; 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 of Sublette in said county as second class matter.

That the attached notice is a true copy thereof, and was published in the regular and entire issue of said newspaper for 1 consecutive week(s). The first publication thereof being made as aforesaid on the

21 day of March, 20 12.

with subsequent publications being made on the following dates:

- \_\_\_\_\_ , 20 \_\_\_\_\_
- \_\_\_\_\_ , 20 \_\_\_\_\_
- \_\_\_\_\_ , 20 \_\_\_\_\_
- \_\_\_\_\_ , 20 \_\_\_\_\_
- \_\_\_\_\_ , 20 \_\_\_\_\_

(Sign) Rolf yungclas

Witness my hand this 21 day of March, 20 12

Kelly C Anderson  
(Notary Public)

My commission expires 2-7-2014

Publication fee \$ 4950

Affidavit, \_\_\_\_\_

Notary's Fee \$ \_\_\_\_\_

Additional Copies \$ \_\_\_\_\_

Total Fee \$ 4950

(Seal)



## Legal Notice

(Published in the Haskell County Monitor on Wednesday, March 21, 2012.)

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

RE: OXY USA Inc. Application for order to commingle St. Louis and Chester sources of supply in Wilson F-1 well, located in Sec. 23 Twp 30S R 33W, Haskell County, Kansas.

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

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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 this 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.

OXY USA Inc.  
P.O. Box 2528  
Liberal, KS 67905  
(620)-629-4200



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

OPERATOR: License # 5447  
 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: (620) 629-4253  
 CONTRACTOR: License # 33784  
 Name: Trinidad Drilling Limited Partnership  
 Wellsite Geologist: N/A  
 Purchaser: \_\_\_\_\_

## Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     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: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>08/12/2011</u>	<u>08/24/2011</u>	<u>11/22/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-081-21948-00-00

Spot Description: \_\_\_\_\_  
S2\_NE\_NE\_SE Sec. 23 Twp. 30 S. R. 33  East  West  
2200 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

 NE     NW     SE     SWCounty: HaskellLease Name: WILSON Well #: F-1Field Name: VICTORYProducing Formation: ST. LOUIS & CHESTER (Corrected Perfs)Elevation: Ground: 2927 Kelly Bushing: 2940Total Depth: 5700 Plug Back Total Depth: 5653Amount of Surface Pipe Set and Cemented at: 1806 FeetMultiple 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: 3500 ppm Fluid volume: 1500 bblsDewatering 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**

- Letter of Confidentiality Received  
Date: 12/09/2011
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NAOMI JAMES Date: 04/02/2012



Operator Name: OXY USA Inc. Lease Name: WILSON Well #: F-1  
 Sec. 23 Twp. 30 S. R. 33  East  West County: Haskell

**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)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run: <b>Attached</b>				

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	12.25	8.625	24	1806	A-CON/PREM +	540	SEE ATTACHED
PRODUCTION	7.875	5.5	17	5694	50-50 POZ	290	SEE ATTACHED

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				

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
Attached	Attached	Attached	Attached

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>5555</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>11/22/2011</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>60</u>	Gas Mcf <u>494</u>	Water Bbls. <u>92</u>	Gas-Oil Ratio <u>8233</u>
				Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input checked="" type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>ST. LOUIS, CHESTER</u>
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Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	WILSON F-1
Doc ID	1077772

All Electric Logs Run

CEMENT BOND LOG
MICROLOG
BOREHOLE COMPENSATED SONIC ARRAY
SPECTRAL DENSITY DUAL SPACED NEUTRON
ARRAY COMPENSATED TRUE RESISTIVITY



Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	WILSON F-1
Doc ID	1077772

Tops

Name	Top	Datum
HEEBNER	4098	
LANSING	4153	
MARMATON	4796	
CHEROKEE	4946	
MORROW	5242	
CHESTER	5390	
ST. GENEVIEVE	5482	
ST. LOUIS	5554	

Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	WILSON F-1
Doc ID	1077772

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5554-5560 St. Louis	4 TON CO2 7 BBL XYLENE 36 BBL 10% ACID	5554-5560
4	5388-5394, 5409- 5422 CHESTER	500 GAL XYLENE 800 GAL DS FE HCL	5388-5422
		FLUSH 32 BBL 7% KCL	
4	5622-5626 ST. LOUIS	300 GAL XYLENE 800 GAL 10% DS FE HCL	5622-5626
		FUSH 36 BBL 4% KCL	
		FRAC: 19121 GAL X FRAC20 960955 SCF N2	5622-5626
		103700# 16/30 BRADY SAND	

### Summary of Changes

Lease Name and Number: WILSON F-1

API/Permit #: 15-081-21948-00-00

Doc ID: 1077772

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	12/12/2011	04/02/2012
Producing Formation	ST. LOUIS, CHESTER	ST. LOUIS & CHESTER (Corrected Perfs)
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 69875	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 77772

April 18, 2012

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

RE: Approved Commingling CO041201  
Wilson F-1, Sec.23-T30S-R33W, Haskell County  
API No. 15-081-21948-00-00

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 April 3, 2012, 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	
St. Louis	15	123	23	5554-5626
Chester	45	371	69	5388-5422
Total Estimated Current Production	60	494	92	

Based upon the depth of the St. Louis 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 CO041201 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