



KANSAS CORPORATION COMMISSION 1066672  
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:**

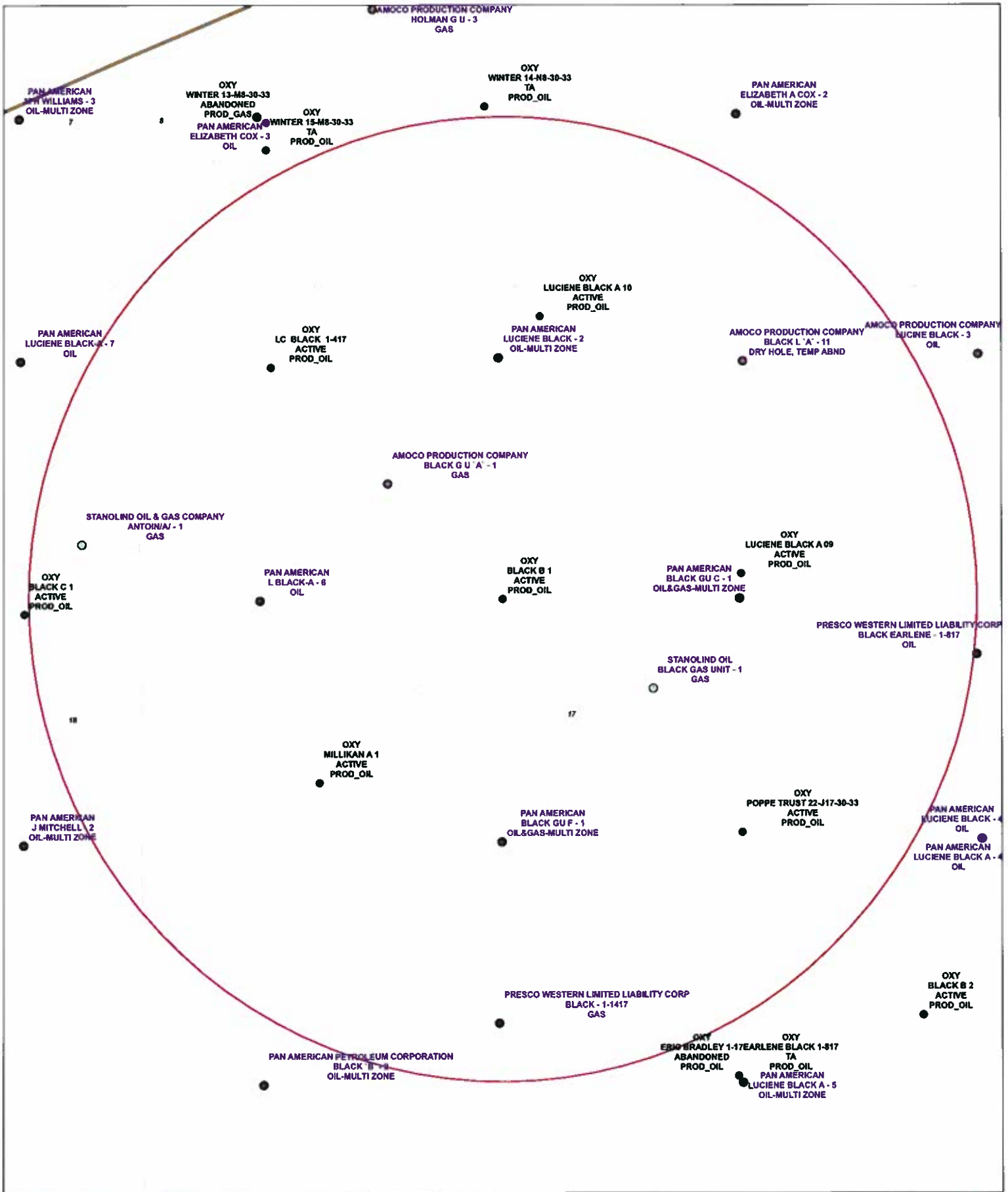
- 7. Well construction diagram of subject well.
- 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**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

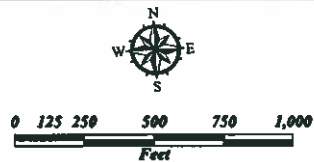
**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: \_\_\_\_\_  
Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

*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.*



**Legend**

- AMOCO
- OXY USA INC
- PAN AMERICAN
- PRESCO
- STANOLIND OIL
- 12 MILE BUFFER



**Mid-Continent**  
SURFACE MAP

Black B-1  
17-30S-33W  
1989' FNL, 2018' FNL

Drawn By	Checked By	Drawn Date	Checked Date

**AFFIDAVIT OF NOTICE SERVED**

RE: Application for : OXY USA Inc.

Well Name: Black B-1 Legal Location NW SE SE NW Sec. 17-T30S-R33W

The undersigned hereby certifies that he/she is a duly authorized agent for the applicant, and that on the 6th day of December, 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.)

Dennis Black Estate (Surface Owner)  
BP  
Oxy USA, Inc.

P.O. Box 146, Satanta, KS 67870  
2225 W. Oklahoma Ave., Ulysses, KS 67880  
P.O. Box 2528, Liberal, KS 67905

Signed this 6th day of December, 2011.



*[Handwritten signature]*

*[Handwritten signature: Laura Beth Hickert]*

Laura Beth Hickert  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 6<sup>th</sup> day of December, 2011

*[Handwritten signature: Anita Peterson]*

Notary Public

My Commission Expires: Oct. 1, 2013

*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.*

# Proof of Publication

STATE OF KANSAS  
COUNTY OF HASKELL

SS.

Rolf Jungclas

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

9 day of NOV, 20 11,

with subsequent publications being made on the following dates:

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

(Sign) Rolf Jungclas

Witness my hand this 9 day of NOV, 20 11

Kelly Anderson  
(Notary Public)

My commission expires 2-7-14  
 Publication fee \$ 4950  
 Affidavit, \_\_\_\_\_  
 Notary's Fee \$ \_\_\_\_\_  
 Additional Copies \$ \_\_\_\_\_  
 Total Fee \$ 4950

(Seal) **KELLY C. ANDERSON**  
Notary Public - State of Kansas  
My Not. Expires February 7, 2014

## Legal Notice

(Published in the Haskell County Monitor Chief on Wednesday, November 9, 2011.)

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

RE: OXY USA Inc. Application for order to commingle Lansing and Marmaton sources of supply in Black B-1 well, located in Sec. 17 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 Lansing and Marmaton sources of supply in the Black B-1 well, located in the NW/4 of Sec. 17 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

**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 7th of

November 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

7th day of November, 2011



*Penny L Case*  
Notary Public Sedgwick County, Kansas

Printer's Fee : \$110.80

**LEGAL PUBLICATION**  
PUBLISHED IN THE WICHITA EAGLE  
NOVEMBER 7, 2011 (3152163)  
BEFORE THE STATE CORPORATION  
COMMISSION OF THE STATE  
OF KANSAS  
**NOTICE OF FILING APPLICATION**  
RE: OXY USA Inc. Application for order to commingle Lansing and Marmaton sources of supply in Black B-1 well, located in Sec. 17 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 Lansing and Marmaton sources of supply in the Black B-1 well, located in the NW/4 of Sec. 17 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





Operator Name: OXY USA, INC. Lease Name: BLACK B Well #: 1  
 Sec. 17 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>SEE ATTACHED</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum SEE ATTACHED
---	--

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#	1817	A-CON/PREM PLUS	430/200	SEE ATTACHED
PRODUCTION	7.875	5.5	17#	4947	A-CON/50/50 POZ	150/160	SEE ATTACHED

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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
	SEE ATTACHED		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4813</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>04/06/2010</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 Bbbls. <u>254</u>	Gas Mcf <u>0</u>	Water Bbbls. <u>23</u> Gas-Oil Ratio _____ Gravity _____

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>MARMATON 4770'-4779'</u> <u>LANSING 4123'-4415'</u>
---	---	---

**Attachment to Black B-1 (API# 15-081-21888-0000) ACO-1**

**Logs Run:**

- Spectral Density Dual Spaced Neutron Log
- Array Compensated Resistivity Log
- Microlog
- Borehole Sonic Array Log
- Cement Bond Log

**Formation (Top), Depth and Datum**

Name	Top	Datum
Heebner	4036	-1064
Lansin	4103	-1131
Marmaton	4739	-1767
Cherokee	4912	-1940

**Cement & Additives**

String	Type	# of Sacks Used	Type and Percent Additives
Surface	A-Con	Lead: 430	3% CC, 1/2# Cellflake, .2% WCA1
	Prem Plus	Tail: 200	2% CC, 1/4# Cellflake
Production	A-Con	Lead: 150	1% CC, 1/4# Cellflake
	50/50 Poz	Tail: 160	5% Calset, 10% Salt, .6% C-15, 1/4# Defoamer, 5# Gilsonite



Attachment to Black B-1 (API# 15-081-21888-0000) ACO-1

Perforation Record

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	4770'-4779' Marmaton	65 bbls 4% KCl Acid: 1000 gal. 15% FE w/ Additives Flush w/ 1214 gal. KCl	4770-4779
4	4406'-4415' Lansing G	60 bbls 4% KCl Acid: 1000 gal. 15% FE w/ Additives Flush w/ 1134 gal. KCl	4406-4415
4	4233'-4242' Lansing D	83 bbls 4% KCl Acid: 1000 gal. 15% FE w/ Additives Flush w/ 1059 gal. KCl	4233-4242
4	4179'-4183' Lansing	72 bbls 4% KCl Acid: 500 gal. 15% FE w/ Additives Flush w/ 1057 gal. KCl	4179-4183
4	4123'-4131' Lansing A	74 bbls 4% KCl Acid: 1000 gal. 15% FE w/ Additives Flush w/ 1046 gal. KCl	4123-4131

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

December 21, 2011

Laura Beth Hickert  
OXY USA, Inc.  
PO Box 27570  
Houston, TX 77227-7570

RE: Approved Commingling CO121103  
Black B-1, Sec.17-T30S-R33W, Haskell County  
API No. 15-081-21888-00-00

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 December 6, 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	
Lansing	251	0	22	4123-4415
Marmaton	3	0	1	4770-4779
Total Estimated Current Production	254	0	23	

Based upon the depth of the Marmaton formation perforations, total oil production shall not exceed 200 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF). **Production from the well must be adjusted to comply with the allowable limit of 200 BOPD unless an application for an increased allowable is approved by the commission.**

Commingling ID number CO121103 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