

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 2<sup>nd</sup> day of October, 2015.

**KEY PRODUCTION COMPANY, INC.**

By: *Stephen P. Bell* CVR  
Name: Stephen P. Bell  
Title: Executive Vice President

Address 1700 Lincoln Street, Suite 3700  
Denver, Colorado 80203

**CORPORATE ACKNOWLEDGEMENT**

STATE OF COLORADO     )  
  ) ss  
COUNTY OF DENVER     )

This instrument was acknowledged before me this 2nd day October, 2015, by Stephen P. Bell, Executive Vice President, on behalf of the corporation.

**VALERIE S. SLECHTA**  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID 20144043257  
MY COMMISSION EXPIRES NOVEMBER 7, 2018

*Valerie S. Slechta*  
Notary Public  
My Commission Expires: Nov 7, 2018

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 12 day of May, 2015.

OXY USA, INC.

By: [Signature]

Name: Thomas B. Noto

Title: Attorney-in-Fact

Address 5 Greenway Plaza, Suite 110  
Houston, Tx 77046

**CORPORATE ACKNOWLEDGEMENT**

STATE OF Texas )  
) ss  
COUNTY OF Harris )

This instrument was acknowledged before me this 12<sup>th</sup> day of May, 2015, by Thomas B. Noto, Attorney in Fact, on behalf of the corporation.

[Signature]  
Notary Public

My Commission Expires: 6-27-15



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 1<sup>st</sup> day of October, 2015.

**ELM RIDGE EXPLORATION CO. LLC**

By: [Signature]  
 Name: James M. Clark, Jr.  
 Title: President  
 Address \_\_\_\_\_

**CORPORATE ACKNOWLEDGEMENT**

STATE OF Tx )  
 ) ss  
 COUNTY OF Dallas )

This instrument was acknowledged before me this 1<sup>st</sup> day of October, 2015, by James M. Clark, Jr., President, on behalf of the corporation.

[Signature]  
 Notary Public  
 My Commission Expires: 12/29/17



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lybrook Unit** ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement, and also said Unit Operating Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interest in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 3<sup>rd</sup> day of December, 2015.

DUGAN PRODUCTION CORP.

BY: *Kurt Fagrelus*  
Kurt Fagrelus  
Vice President, Land & Exploration

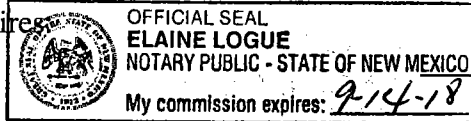
**CORPORATE ACKNOWLEDGEMENT**

STATE OF NEW MEXICO )  
) ss.  
COUNTY OF SAN JUAN )

The foregoing instrument was acknowledged before me by Kurt Fagrelus, as Vice President of Land & Exploration for Dugan Production Corp. this 3<sup>rd</sup> day of ~~November~~, 2015.  
December

WITNESS my hand and official seal.

My Commission Expires



*Elaine Logue*  
Notary Public

**INDIVIDUAL ACKNOWLEDGEMENT**

STATE OF \_\_\_\_\_ )  
) ss.  
COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me by \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_  
Notary Public



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 27 day of OCTOBER 2015.

**JMJ LAND AND MINERALS COMPANY**

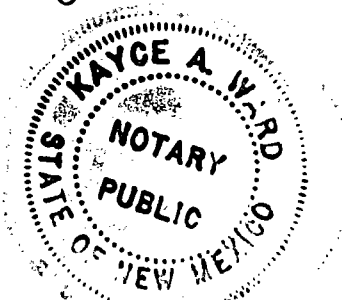
By: [Signature]  
Name: JAMES R. J. STRICKLER  
Title: PRESIDENT

Address 204 N. SAN JUAN AVE  
FARMINGTON, NM  
87401

**CORPORATE ACKNOWLEDGEMENT**

STATE OF New Mexico )  
COUNTY OF San Juan )<sup>ss</sup>

This instrument was acknowledged before me this 27<sup>th</sup> day of October, 2015, by James R. J. Strickler President, on behalf of the corporation.



[Signature]  
Notary Public

My Commission Expires: 08-15-2017

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 4<sup>th</sup> day of MARCH, 2015.

**XTO ENERGY INC.**

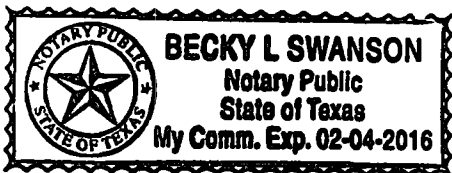
By: Edwin S. Ryan, Jr.  
 Name: Edwin S. Ryan, Jr.  
 Title: Senior Vice President - Land

Address 810 Houston Street  
Fort Worth, TX 76102

**CORPORATE ACKNOWLEDGEMENT**

STATE OF TEXAS )  
 ) ss  
 COUNTY OF TARRANT )

This instrument was acknowledged before me this 4<sup>th</sup> day of MARCH, 2015, by Edwin S. Ryan, Jr., Sr. V.P. - Land, on behalf of the corporation.



Becky L Swanson  
 Notary Public  
 My Commission Expires: 02-04-2016

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 15 day of OCT, 2015.

COLEMAN OIL AND GAS, INC.

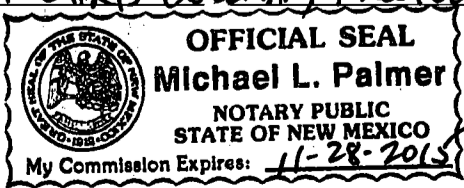
By: [Signature]  
Name: G. Chris Coleman  
Title: President

Address COLEMAN OIL & GAS, INC.  
P.O. DRAWER 3337  
FARMINGTON, NM 87499-3337

**CORPORATE ACKNOWLEDGEMENT**

STATE OF New Mexico )  
) ss  
COUNTY OF SAN JUAN )

This instrument was acknowledged before me this 15<sup>th</sup> day of OCTOBER, 2015, by G. CHRIS COLEMAN, PRESIDENT, on behalf of the corporation.



[Signature]  
Notary Public  
My Commission Expires: 11-28-2015



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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EXECUTED AND EFFECTIVE this 10<sup>th</sup> day of March, 2015.

**LOGOS RESOURCES LLC**

By: [Signature]  
Name: Jay Paul McWilliams  
Title: President

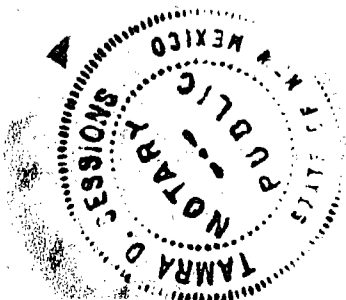
Address 4001 N. Butler Ave, Bldg 701  
Farmington, NM 87401

**CORPORATE ACKNOWLEDGEMENT**

STATE OF NM )  
  ) ss  
COUNTY OF San Juan )

This instrument was acknowledged before me this 10<sup>th</sup> day of March, 2015, by Jay Paul McWilliams, President, on behalf of the corporation.

[Signature]  
Notary Public  
My Commission Expires: 2-8-16



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

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This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 18<sup>th</sup> day of December, 2015.

**WPX ENERGY PRODUCTION, LLC**

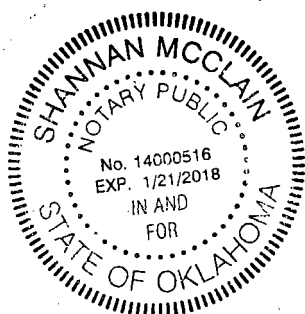
By: *Thomas E. Black Jr.*  
 Name: Thomas E. Black Jr.  
 Title: Attorney-in-Fact

Address 3500 One Williams Center  
Tulsa, OK 74172

**CORPORATE ACKNOWLEDGEMENT**

STATE OF OKLAHOMA     )  
   ) ss  
 COUNTY OF TULSA        )

This instrument was acknowledged before me this 18 day of December, 2015, by Thomas E. Black, Jr., Attorney-in-Fact, on behalf of the corporation.



*Shannan McClain*  
 Notary Public  
 My Commission Expires: 1/21/2018

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 14<sup>th</sup> day of August, 2015.

Harvey R. DuChene

Address: 2333 SAN JUAN DRIVE  
PO BOX 362  
LAKE CITY CO 81235

CORPORATE ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2015, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that \_\_\_\_\_ is the \_\_\_\_\_ of \_\_\_\_\_, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_  
Notary Public

INDIVIDUAL ACKNOWLEDGMENT

STATE OF Colorado )  
 ) ss.  
COUNTY OF Hinsdale )

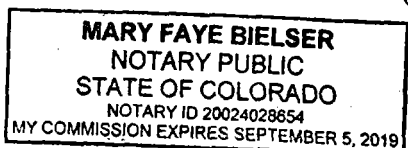
On this 14<sup>th</sup> day of August, 2015, before me personally appeared Harvey R. DuChene, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that He executed the same as His free act and deed.

WITNESS my hand and official seal.

My Commission Expires:

See Stamp

Mary Faye Bielser  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated 9-4, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 4<sup>th</sup> day of September, 2015.

Paul Messinger / Co. Secretary

Address: Parker, Colorado 80134  
USA.

CORPORATE ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, 2015, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that \_\_\_\_\_ is the \_\_\_\_\_ of \_\_\_\_\_, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_  
Notary Public

INDIVIDUAL ACKNOWLEDGMENT

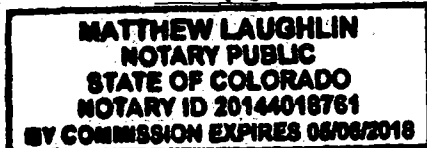
STATE OF Colorado )  
 ) ss.  
COUNTY OF Douglas )

On this 4<sup>th</sup> day of September, 2015, before me personally appeared Paul Messinger / Co. Secretary, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

WITNESS my hand and official seal.

My Commission Expires:

5-06-2018



Matthew Laughlin  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 21<sup>st</sup> day of August, 2015.

[Signature]

Address: MAP2004-OK  
101N. Robinson, Suite 1000  
Oklahoma City, OK 73102

CORPORATE ACKNOWLEDGMENT

STATE OF OKLAHOMA )  
 ) ss.  
COUNTY OF OKLAHOMA )

On this \_\_\_ day of \_\_\_\_\_, 2015, before me appeared R. Patrick Grammar, to me personally known, who, being by me duly sworn, did say that he is the Attorney-in-fact of MAP2004-OK, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said R. Patrick Grammar acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:  
3/11/18



[Signature]  
Notary Public

INDIVIDUAL ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, 2015, before me personally appeared \_\_\_\_\_, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

WITNESS my hand and official seal.

My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 26<sup>th</sup> day of August, 2015.

William Brown Jr. Manager  
Alva Family Limited Partnership LLC  
Address: 8423 East Dtko Circle  
Centennial, CO 80112

CORPORATE ACKNOWLEDGMENT

STATE OF COLORADO )  
 ) ss.  
COUNTY OF DENVER )

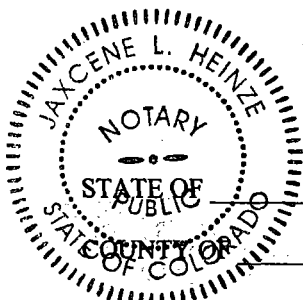
On this 26<sup>th</sup> day of AUGUST, 2015, before me appeared WILLIAM T. BROWN JR., to me personally known, who, being by me duly sworn, did say that HE is the MANAGER of ALVA FAMILY LIMITED PARTNERSHIP LLC, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said MR. BROWN acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:

1/10/16

Jaxcene L. Heinze  
Notary Public



INDIVIDUAL ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2015, before me personally appeared \_\_\_\_\_, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_  
Notary Public



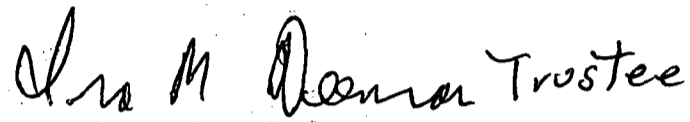
RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lybrook Unit Area**, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 24<sup>th</sup> day of August, 2015.

  
Ira M. Deemar  
 Trustee  
 Address: P.O. Box 625  
South Haven, Michigan  
49090

CORPORATE ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
 COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2015, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that \_\_\_\_\_ is the \_\_\_\_\_ of \_\_\_\_\_, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.  
 My Commission Expires:

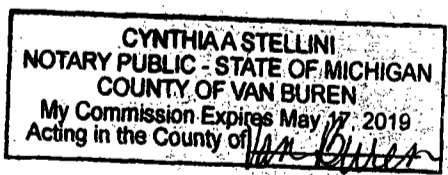
\_\_\_\_\_  
 Notary Public

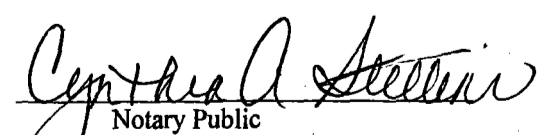
INDIVIDUAL ACKNOWLEDGMENT

STATE OF Michigan )  
 ) ss.  
 COUNTY OF Van Buren )

On this 24<sup>th</sup> day of August, 2015, before me personally appeared Ira M. Deemar, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that he executed the same as a free act and deed.

WITNESS my hand and official seal.  
 My Commission Expires:  
5-17-2019



  
 Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 20 day of AUGUST, 2015.

Sharon Deemar Szachowicz, Trustee

Address: P.O. Box 2305  
Glenview, IL 60025

CORPORATE ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2015, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that \_\_\_\_\_ is the \_\_\_\_\_ of \_\_\_\_\_, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_  
Notary Public

INDIVIDUAL ACKNOWLEDGMENT

STATE OF ILLINOIS )  
 ) ss.  
COUNTY OF COOK )

On this 20 day of AUGUST, 2015, before me personally appeared SHARON DEEMAR SZACHOWICZ TRUSTEE, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that SHE executed the same as HER free act and deed.

WITNESS my hand and official seal.

My Commission Expires:

11-13-2015

Aaron Taksin

Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit Area, County of San Juan, State of New Mexico, dated \_\_\_\_\_, 2015, in form approved on behalf of the Secretary of the Interior, the undersigned (whether one or more) hereby expressly joins said Unit Agreement and ratifies, approves, adopts and confirms said Unit Agreement as fully as though the undersigned had executed the original instrument.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder of Unit Agreement, shall be binding upon the undersigned, his, her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 19<sup>th</sup> day of August, 2015.

*Rosita Trujillo*

Address: P.O. Box 1225  
Cheyenne, WY  
82003

CORPORATE ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2015, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that \_\_\_\_\_ is the \_\_\_\_\_ of \_\_\_\_\_, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public

INDIVIDUAL ACKNOWLEDGMENT

STATE OF Wyoming )  
 ) ss.  
COUNTY OF Laramie )

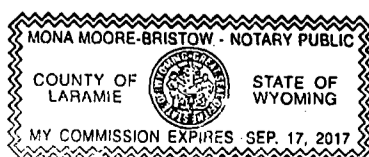
On this 19<sup>th</sup> day of August, 2015, before me personally appeared Rosita Trujillo, to me known to be the person(s) described in, and who executed, the foregoing instrument, and acknowledged that She executed the same as her free act and deed.

WITNESS my hand and official seal.

My Commission Expires:

September 17, 2017

*Monafnuar-Castro*  
Notary Public



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 4<sup>th</sup> day of March, 2015.

**XTO ENERGY INC.**

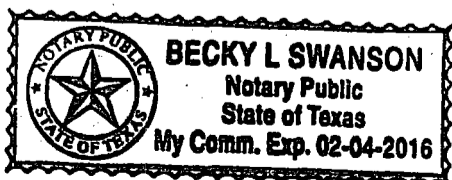
By: Edwin S. Ryan, Jr.  
 Name: **Edwin S. Ryan, Jr.**  
 Title: **Senior Vice President - Land**

Address 810 Houston Street  
Fort Worth, TX 76102

**CORPORATE ACKNOWLEDGEMENT**

STATE OF TEXAS )  
 ) ss  
 COUNTY OF TARRANT )

This instrument was acknowledged before me this 4<sup>th</sup> day of MARCH, 2015, by Edwin S. Ryan, Jr., Sr. VP-LAND, on behalf of the corporation.



Becky L. Swanson  
 Notary Public  
 My Commission Expires: 02-04-2016

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 10<sup>th</sup> day of March, 2015.

**LOGOS RESOURCES LLC**

By: [Signature]  
 Name: Jay Paul McWilliams  
 Title: President

Address 4001 N. Butler Ave., Bldg 701  
Farmington, NM 87401

**CORPORATE ACKNOWLEDGEMENT**

STATE OF NM )  
 ) ss  
 COUNTY OF San Juan )

This instrument was acknowledged before me this 10<sup>th</sup> day of March, 2015, by Jay Paul McWilliams, President, on behalf of the corporation.

Tamra Sessions  
 Notary Public  
 My Commission Expires: 2-8-16



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 1<sup>st</sup> day of October, 2015.

**ELM RIDGE EXPLORATION CO. LLC**

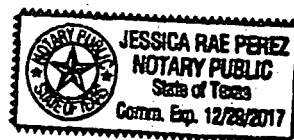
By: [Signature]  
 Name: James M. Clark, Jr.  
 Title: President  
 Address: \_\_\_\_\_  
 \_\_\_\_\_

**CORPORATE ACKNOWLEDGEMENT**

STATE OF TX )  
 )  
 COUNTY OF Dallas ) ss

This instrument was acknowledged before me this 1<sup>st</sup> day of October, 2015, by James M. Clark Jr. President, on behalf of the corporation.

[Signature]  
 Notary Public  
 My Commission Expires: 12/28/17



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 12 day of May, 2015.

OXY USA, INC.

By: TE BNT  
 Name: Thomas B. Noto  
 Title: Attorney-in-Fact

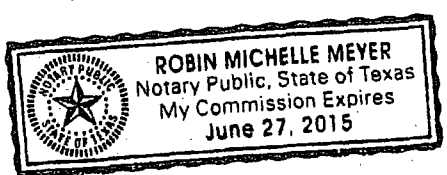
Address 9 Greenway Plaza, Suite 110  
Houston, TX 77046

**CORPORATE ACKNOWLEDGEMENT**

STATE OF Texas )  
 ) ss  
 COUNTY OF Harris )

This instrument was acknowledged before me this 12<sup>th</sup> day of May, 2015, by Thomas B. Noto, Attorney in Fact on behalf of the corporation.

Robin Meyer  
 Notary Public  
 My Commission Expires: 6-27-15



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**("Ratification and Joinder")**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lybrook Unit ("Unit"), County of San Juan, State of New Mexico, dated \_\_\_\_\_, \_\_\_\_\_, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as approved as set out above, and also said Unit Operating Agreement attached hereto as Exhibit "A", as fully as though the undersigned had executed the instrument.

This Ratification and Joinder shall be effective as of the date set forth below as to the undersigned's interest in any lands or leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil and gas interest. Due to the efforts of unit assembly, it is further understood and agreed that the Unit may be adjusted by the deletion of certain lands where the execution and ratification of certain working interest owners is not obtained or said interests are affected by title, reversionary interest obligations or other events affecting interests.

While this is not anticipated, it is a situation that could occur and the ratification and joinder given herein is given with full knowledge of the possibility of such occurrence(s). Should the Unit be adjusted as set out above, the interests of the remaining working interest owners shall be adjusted accordingly and the ratification and joinder given herein is executed with full knowledge of the possibility of such occurrence with said adjusted interest.

The undersigned recognizes that all working interest owners in the Unit will be executing a form of this Ratification and Joinder and such executions will be on different and separate counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one instrument which may be attached to the Unit Agreement and Unit Operating Agreement.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED AND EFFECTIVE this 2<sup>nd</sup> day of October, 2015.

**KEY PRODUCTION COMPANY, INC.**

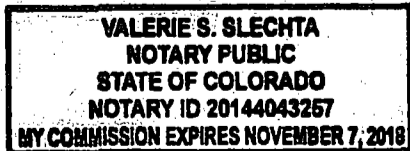
By: *Stephen P. Bell* CVP  
Name: Stephen P. Bell  
Title: Executive Vice President

Address 1700 Lincoln Street, Suite 3700  
Denver, Colorado 80203

**CORPORATE ACKNOWLEDGEMENT**

STATE OF COLORADO     )  
  ) ss  
COUNTY OF DENVER     )

This instrument was acknowledged before me this 2nd day October, 2015, by Stephen P. Bell, Executive Vice President, on behalf of the corporation.



*Valerie S. Slechta*  
Notary Public  
My Commission Expires: Nov 7, 2018