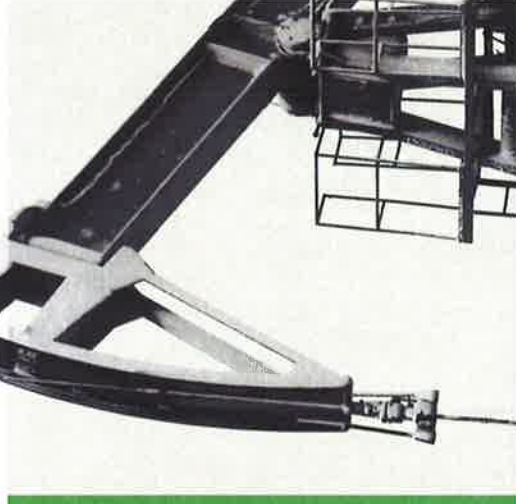




## COG OPERATING LLC

Pork Pie State Com #601H, #602H,  
#701H, #702H, #703H, #704H

Section 10 & 15, T24S-R35E  
Lea County, New Mexico



BEFORE THE OIL CONSERVATION DIVISION  
EXAMINER HEARING APRIL 18, 2019

CASE NOS. 20074, 20075, 20076 and 20077



**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC FOR  
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.**

**CASE NOS. 20074, 20075, 20076, 20077**

**AFFIDAVIT OF MATT SOLOMON  
IN SUPPORT OF CASE NOS. 20074, 20075, 20076, & 20077**

Matt Solomon, of lawful age and being first duly sworn, declares as follows:

1. My name is Matt Solomon. I work for COG Operating LLC ("COG") as a Landman.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by COG in these consolidated cases, and I am familiar with the status of the lands in the subject areas.
4. None of the proposed pool parties has indicated opposition, including Devon Energy Production Company, LP, which has entered an appearance in these cases, and therefore I do not expect any opposition at the hearing.

**Case No. 20074**

5. In Case No. 20074, COG is seeking an order (a) pooling all uncommitted interests in the Bone Spring formation in the 320-acre horizontal spacing unit comprised of the E/2 E/2 of Section 10 and the E/2 E/2 of Section 15, Township 24 South, Range 35 East, Lea County, New Mexico, and (b) dedicating the above-referenced horizontal spacing unit to the proposed **Pork Pie State Com No. 601H Well**.

6. The completed interval for the proposed well will comply with the Division's setback requirements.

7. COG has prepared a draft Form C-102 for the proposed Pork Pie State Com No. 601H well, a copy of which is attached hereto as **COG Exhibit A-1**. The Pool Code is 98098.

8. **COG Exhibit A-2** is an exhibit prepared by me that identifies the tracts of land comprising the spacing unit in Case No. 20074. This spacing unit includes state land only. This exhibit shows the interest owners and the percentage of their ownership interests in the proposed spacing unit. COG is seeking to pool the working interest owners and overriding royalty interest owners identified therein.

#### **Case No. 20075**

9. In Case No. 20075, COG is seeking an order (a) pooling all uncommitted interests in the Bone Spring formation in the 320-acre horizontal spacing unit comprised of the W/2 E/2 of Section 10 and the W/2 E/2 of Section 15, Township 24 South, Range 35 East, Lea County, New Mexico, and (b) dedicating the above-referenced horizontal spacing unit to the proposed **Pork Pie State Com No. 602H Well**.

10. The completed interval for the proposed well will comply with the Division's setback requirements.

11. COG has prepared a draft Form C-102 for the proposed Pork Pie State Com No. 602H well, a copy of which is attached hereto as **COG Exhibit A-3**. The Pool Code is 98098.

12. **COG Exhibit A-4** is an exhibit prepared by me that identifies the tracts of land comprising the spacing unit in Case No. 20075. This spacing unit includes state land only. This exhibit shows the interest owners and the percentage of their ownership interests in the proposed

spacing unit. COG is seeking to pool the working interest owners and overriding royalty interest owners identified therein.

**Case No. 20076**

13. In Case No. 20076, COG is seeking an order (a) pooling all uncommitted interests in the Wolfcamp formation in the 320-acre horizontal spacing unit comprised of the E/2 E/2 of Section 10 and the E/2 E/2 of Section 15, Township 24 South, Range 35 East, Lea County, New Mexico, and (b) dedicating the above-referenced horizontal spacing unit to the proposed **Pork Pie State Com No. 701H Well** and the proposed **Pork Pie State Com No. 702H Well**.

14. The completed intervals for the proposed wells will comply with the Division's setback requirements.

15. COG has prepared draft Form C-102s for the proposed Pork Pie State Com No. 701H well and Pork Pie State Com No. 702H well, copies of which are attached hereto as COG **Exhibit A-5** and **COG Exhibit A-6**, respectively. The Pool Code is 98098.

16. **COG Exhibit A-7** is an exhibit prepared by me that identifies the tracts of land comprising the spacing unit in Case No. 20076. This spacing unit includes state land only. This exhibit shows the interest owners and the percentage of their ownership interests in the proposed spacing unit. COG is seeking to pool the working interest owners and overriding royalty interest owners identified therein.

**Case No. 20077**

17. In Case No. 20077, COG is seeking an order (a) pooling all uncommitted interests in the Wolfcamp formation in the 320-acre horizontal spacing unit comprised of the W/2 E/2 of Section 10 and the W/2 E/2 of Section 15, Township 24 South, Range 35 East, Lea County, New

Mexico, and (b) dedicating the above-referenced horizontal spacing unit to the proposed **Pork Pie State Com No. 703H Well** and the proposed **Pork Pie State Com No. 704H Well**.

18. The completed intervals for the proposed wells will comply with the Division's setback requirements.

19. COG has prepared draft Form C-102s for the proposed Pork Pie State Com No. 703H well and Pork Pie State Com No. 704H well, copies of which are attached hereto as COG **Exhibit A-8** and **COG Exhibit A-9**, respectively. The Pool Code is 98098.

20. **COG Exhibit A-10** is an exhibit prepared by me that identifies the tracts of land comprising the spacing unit. This spacing unit includes state land only. This exhibit shows the interest owners and the percentage of their ownership interests in the proposed spacing unit. COG is seeking to pool the working interest owners and overriding royalty interest owners identified therein.

21. There are no depth severances in the Bone Spring or Wolfcamp formations.

22. COG sent a well proposal letter to the working interest owners it is seeking to pool. AFEs for each of the proposed wells were included with the well proposal letter. The costs reflected in the AFEs are consistent with what other operators have incurred for drilling similar horizontal wells in the area. A copy of a well proposal letter, along with the AFEs, is attached as **COG Exhibit A-11**.

23. COG has made an estimate of overhead and administrative costs for drilling and producing the proposed well. It is \$7,000/month while drilling, and \$700/month while producing. These costs are consistent with what other operators are charging in this area for these types of wells. COG respectfully requests that these administrative and overhead costs be incorporated into any order entered by the Division in this case.

24. In my opinion, COG has made good faith efforts to reach an agreement with the parties it is seeking to pool, via the original well proposal and subsequent telephone conversations. If COG reaches an agreement with any of the parties it is seeking to pool before the Division enters an order, I will let the Division know this.

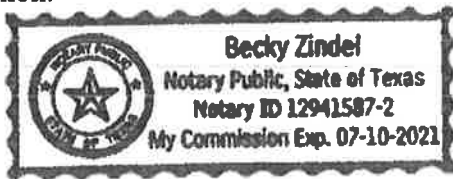
25. I provided the law firm of Holland & Hart LLP a list of names and addresses for the proposed pool parties. In compiling these notice lists, COG conducted a diligent search of all public records in the county where the proposed wells are located and of phone directories, including computer searches. All parties were locatable.

26. **COG Exhibits A-1 through A-11** were either prepared by me or compiled under my direction and supervision.

  
MATT SOLOMON

STATE OF TEXAS )  
COUNTY OF Midland )

SUBSCRIBED and SWORN to before me this 17 day of April 2019 by Matt Solomon.



  
NOTARY PUBLIC

My Commission Expires:

7/10/21

12059358\_1

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name Pork Pie State Com		<sup>6</sup> Well Number 601H
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC		<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	24S	35E		210	North	660	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	24S	35E		50	South	660	East	Lea

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
				<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p>
				<p>_____ Certifi</p>
				<p>BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A-1 Case Nos. 20074 - 20077 Submitted by: COG OPERATING, LLC Hearing Date: April 18, 2019</p>

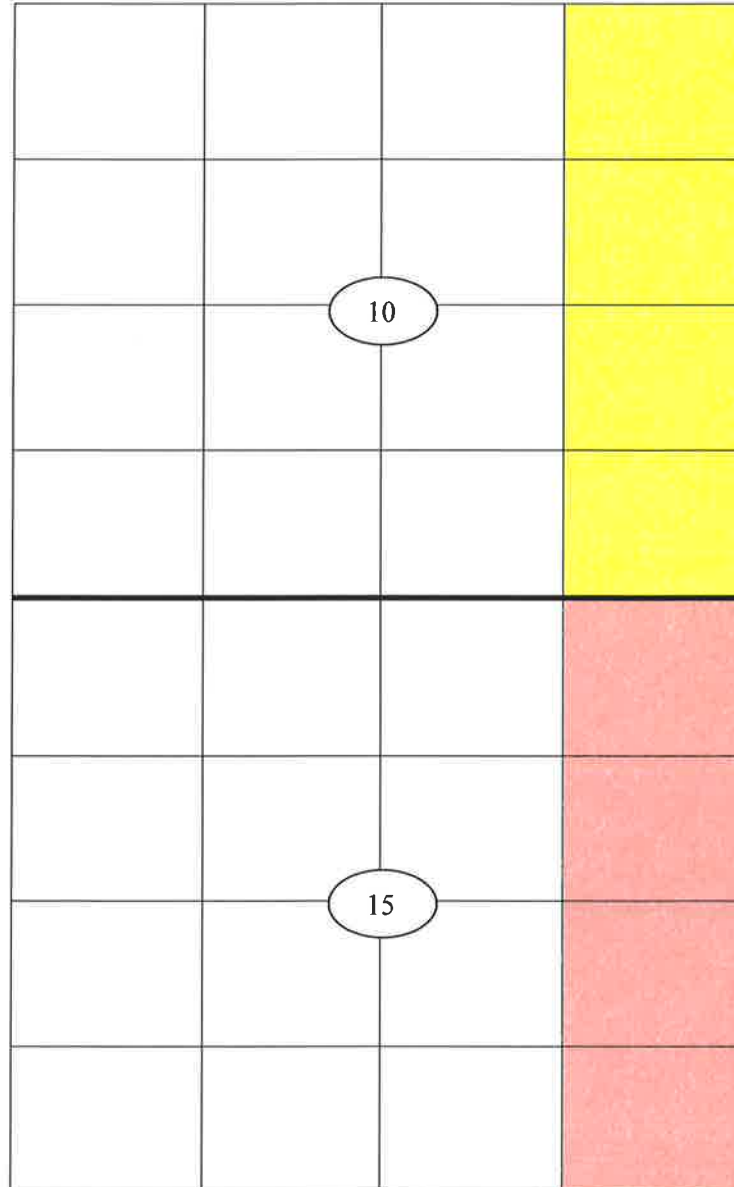


(Case No. 20074)  
**Pork Pie State Com 601H**  
E2E2 of Section 10 & E2E2 of Section 15, T24S-R35E, NMPM,  
Lea County, New Mexico

Tract: 1



Tract 2:



**Unit Working Interest**

COG Operating, LLC	44.872119%
Energen Resources Corporation/Diamondback Energy, Inc.	50.000000%
Devon Energy Production	1.425691%
James R Jackson	3.702190%
<b>Total</b>	<b>100.000000%</b>

**Tract 1 – E2E2 of Section 10**

COG Operating, LLC	89.744238%
Devon Energy Production	2.851382%
James R Jackson	7.404380%
<b>Total</b>	<b>100.000000%</b>

**Tract 2 – E2E2 of Section 17**

Energen Resources Corporation/Diamondback Energy, Inc.	100.000000%
--	-------------

**Pooling Notification List****Working Interest Owners**

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. North  
Birmingham, AL 35203

Diamondback Energy, Inc.  
500 West Texas Ave, Suite 1200  
Midland, TX 79701

Devon Energy Production  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102

James R Jackson  
3100 River Bend Dr.  
Hurst, TX 76054

**Overriding Royalty Interest Owners**

Tumbler Energy Partners, LLC  
P.O. Box 50938  
Midland, TX 79710  
Chilmark Properties LLC

C/O Robert Landreth  
110 W. Louisiana, Suite 404  
Midland, TX 79701

Crownrock Minerals LP  
P.O. Box 51933  
Midland, TX 79710

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Pork Pie State Com			<sup>6</sup> Well Number 602H
<sup>7</sup> OGRID No. 229137		<sup>8</sup> Operator Name COG Operating LLC			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	24S	35E		210	North	1980	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	24S	35E		50	South	1980	East	Lea

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

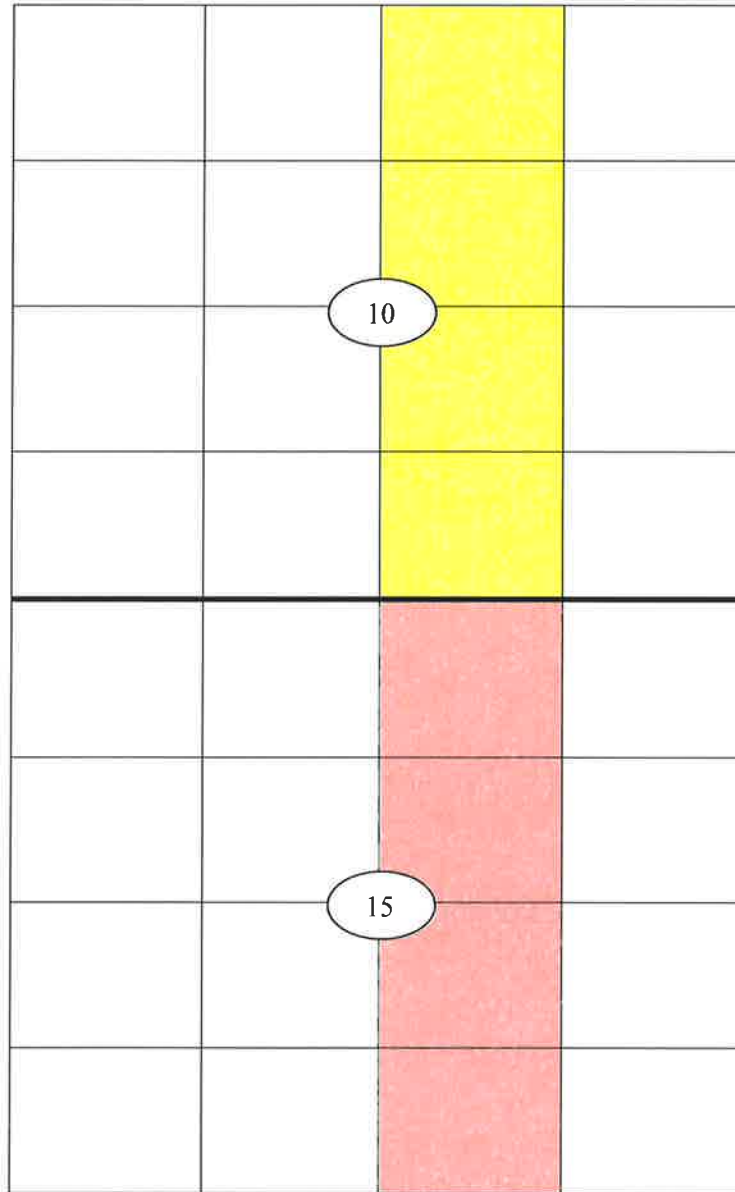
<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	Signature _____ Date _____	
	Printed Name _____	
	E-mail Address _____	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
	Date of Survey _____	
	Signature and Seal of Professional Surveyor: _____	
	C or <b>BEFORE THE OIL CONSERVATION DIVISION</b> Santa Fe, New Mexico <b>Exhibit No. A-3</b> Case Nos. 20074 - 20077 Submitted by: <b>COG OPERATING, LLC</b> Hearing Date: April 18, 2019	

(Case No. 20075)  
**Pork Pie State Com 602H**  
W2E2 of Section 10 & W2E2 of Section 15, T24S-R35E, NMPM,  
Lea County, New Mexico

Tract: 1



Tract 2:



### **Unit Working Interest**

COG Operating, LLC	44.872119%
Energen Resources Corporation/Diamondback Energy, Inc.	50.000000%
Devon Energy Production	1.425691%
James R Jackson	3.702190%
<b>Total</b>	<b>100.000000%</b>

### **Tract 1 – E2E2 of Section 10**

COG Operating, LLC	89.744238%
Devon Energy Production	2.851382%
James R Jackson	7.404380%
<b>Total</b>	<b>100.000000%</b>

### **Tract 2 – E2E2 of Section 17**

Energen Resources Corporation/Diamondback Energy, Inc.	100.000000%
--	-------------

### **Pooling Notification List**

#### **Working Interest Owners**

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. North  
Birmingham, AL 35203

Diamondback Energy, Inc.  
500 West Texas Ave, Suite 1200  
Midland, TX 79701

Devon Energy Production  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102

James R Jackson  
3100 River Bend Dr.  
Hurst, TX 76054

#### **Overriding Royalty Interest Owners**

Tumbler Energy Partners, LLC  
P.O. Box 50938  
Midland, TX 79710  
Chilmark Properties LLC  
C/O Robert Landreth

110 W. Louisiana, Suite 404  
Midland, TX 79701

Crownrock Minerals LP  
P.O. Box 51933  
Midland, TX 79710

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1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Pork Pie State Com			<sup>6</sup> Well Number 701H
<sup>7</sup> OGRID No. 229137		<sup>8</sup> Operator Name COG Operating LLC			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no. A	Section 10	Township 24S	Range 35E	Lot Idn	Feet from the 210	North/South line North	Feet from the 630	East/West line East	County Lea
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. P	Section 15	Township 24S	Range 35E	Lot Idn	Feet from the 50	North/South line South	Feet from the 330	East/West line East	County Lea
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<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>	
				<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p>	
				<p>Certificate Number _____</p>	
				<p>BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A-5 Case Nos. 20074 - 20077 Submitted by: COG OPERATING, LLC Hearing Date: April 18, 2019</p>	



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720  
District II  
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Phone: (505) 748-1283 Fax: (505) 748-9720  
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1000 Rio Brazos Road, Aztec, NM 87410  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Pork Pie State Com			<sup>6</sup> Well Number 702H
<sup>7</sup> OGRID No. 229137		<sup>8</sup> Operator Name COG Operating LLC			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	24S	35E		210	North	690	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	24S	35E		50	South	990	East	Lea

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup> 	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	Signature _____ Date _____	
	Printed Name _____	
	E-mail Address _____	
	<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
	Date of Survey _____	
	Signature and Seal of Professional Surveyor: _____	
	Certificate Number _____	

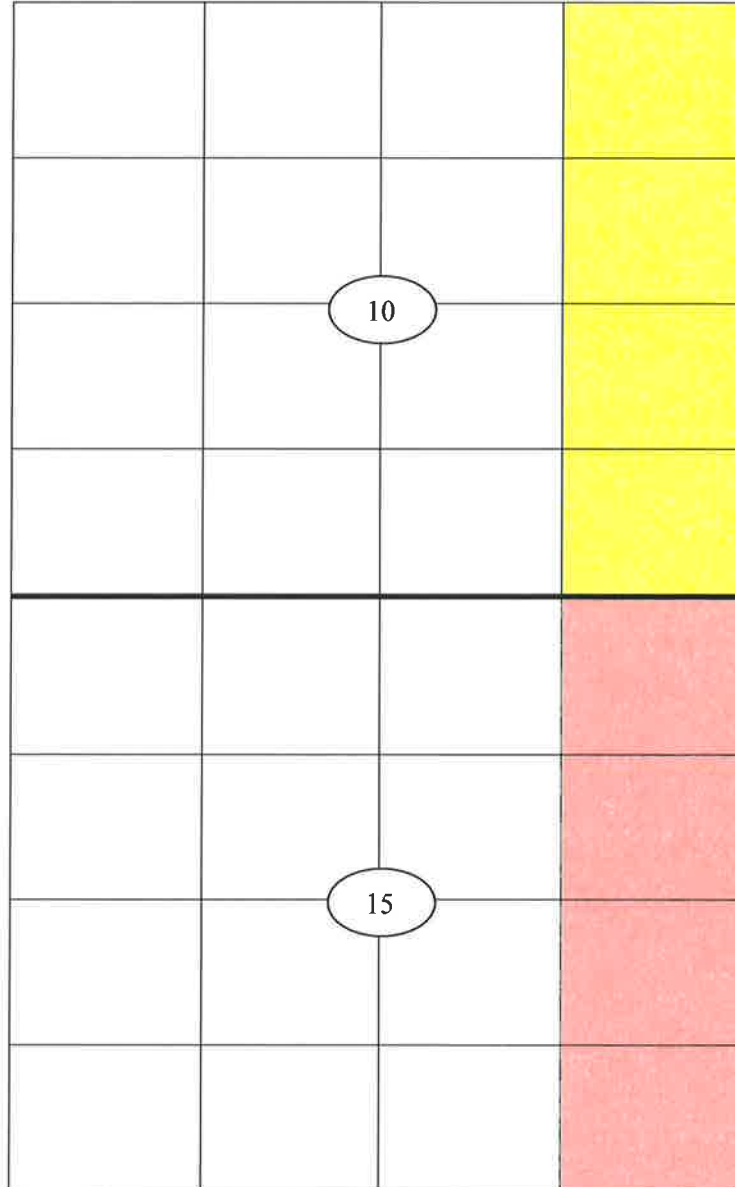
BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. A-6  
Case Nos. 20074 - 20077  
Submitted by: COG OPERATING, LLC  
Hearing Date: April 18, 2019

(Case No. 20076)  
**Pork Pie State Com 701H, 702H**  
E2E2 of Section 10 & E2E2 of Section 15, T24S-R35E, NMPM,  
Lea County, New Mexico

Tract: 1



Tract 2:



### **Unit Working Interest**

COG Operating, LLC	44.872119%
Energen Resources Corporation/Diamondback Energy, Inc.	50.000000%
Devon Energy Production	1.425691%
<u>James R Jackson</u>	<u>3.702190%</u>
<b>Total</b>	<b>100.000000%</b>

### **Tract 1 – E2E2 of Section 10**

COG Operating, LLC	89.744238%
Devon Energy Production	2.851382%
<u>James R Jackson</u>	<u>7.404380%</u>
<b>Total</b>	<b>100.000000%</b>

### **Tract 2 – E2E2 of Section 17**

Energen Resources Corporation/Diamondback Energy, Inc.	100.000000%
--	-------------

### **Pooling Notification List**

#### **Working Interest Owners**

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. North  
Birmingham, AL 35203

Diamondback Energy, Inc.  
500 West Texas Ave, Suite 1200  
Midland, TX 79701

Devon Energy Production  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102

James R Jackson  
3100 River Bend Dr.,  
Hurst, TX 76054

#### **Overriding Royalty Interest Owners**

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Midland, TX 79710  
Chilmark Properties LLC  
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110 W. Louisiana, Suite 404  
Midland, TX 79701

Crownrock Minerals LP  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
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1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
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OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
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Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name Pork Pie State Com		<sup>6</sup> Well Number 703H
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC		<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	24S	35E		210	North	1950	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	24S	35E		50	South	1650	East	Lea

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>
	Signature _____ Date _____ Printed Name _____ E-mail Address _____
<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	Date of Survey _____ Signature and Seal of Professional Surveyor: _____
	Certific _____

**BEFORE THE OIL CONSERVATION DIVISION**  
Santa Fe, New Mexico  
**Exhibit No. A-8**  
Case Nos. 20074 - 20077  
Submitted by: **COG OPERATING, LLC**  
Hearing Date: April 18, 2019

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name Pork Pie State Com		<sup>6</sup> Well Number 704H
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC		<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no. B	Section 10	Township 24S	Range 35E	Lot Idn	Feet from the 210	North/South line North	Feet from the 2010	East/West line East	County Lea
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. O	Section 15	Township 24S	Range 35E	Lot Idn	Feet from the 50	North/South line South	Feet from the 2310	East/West line East	County Lea
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<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature _____ Date _____  Printed Name _____  E-mail Address _____
<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Date of Survey _____ Signature and Seal of Professional Surveyor: _____				

Cert

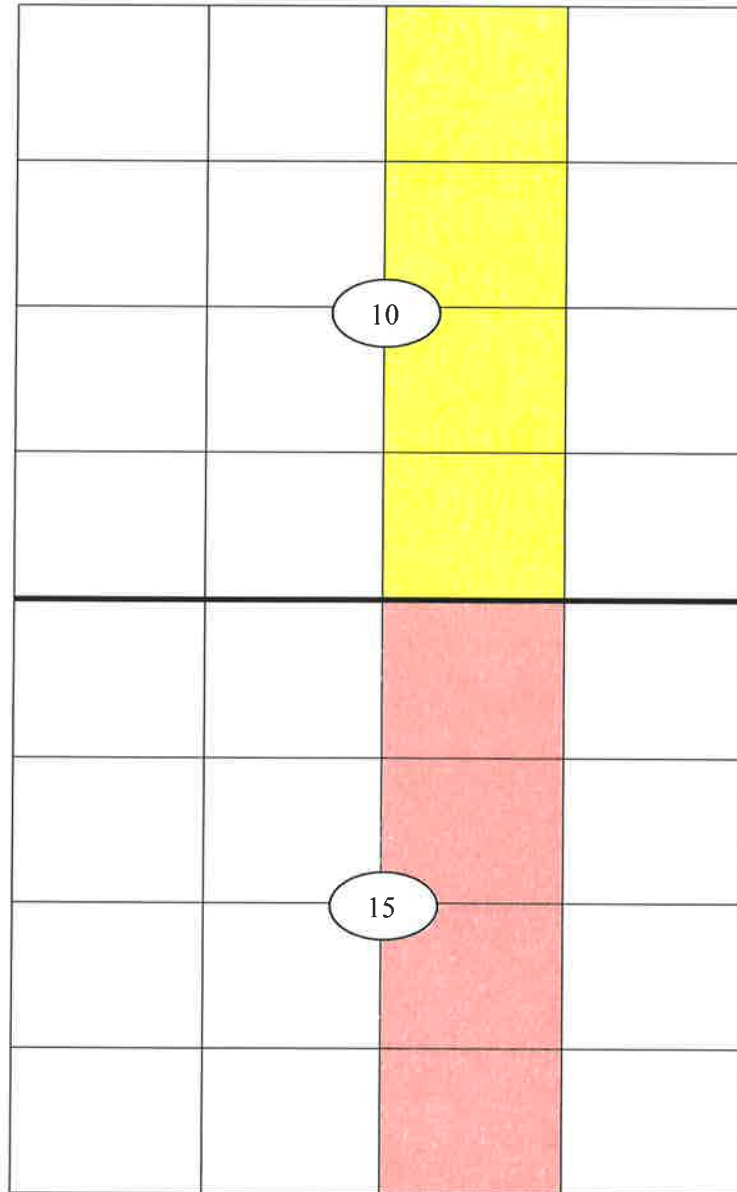
BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. A-9  
Case Nos. 20074 - 20077  
Submitted by: COG OPERATING, LLC  
Hearing Date: April 18, 2019

(Case No. 20077)  
**Pork Pie State Com 703H, 704H**  
W2E2 of Section 10 & W2E2 of Section 15, T24S-R35E, NMPM,  
Lea County, New Mexico

Tract: 1



Tract 2:



### **Unit Working Interest**

COG Operating, LLC	44.872119%
Energen Resources Corporation/Diamondback Energy, Inc.	50.000000%
Devon Energy Production	1.425691%
James R Jackson	3.702190%
<b>Total</b>	<b>100.000000%</b>

### **Tract 1 – E2E2 of Section 10**

COG Operating, LLC	89.744238%
Devon Energy Production	2.851382%
James R Jackson	7.404380%
<b>Total</b>	<b>100.000000%</b>

### **Tract 2 – E2E2 of Section 17**

Energen Resources Corporation/Diamondback Energy, Inc.	100.000000%
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### **Pooling Notification List**

#### **Working Interest Owners**

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. North  
Birmingham, AL 35203

Diamondback Energy, Inc.  
500 West Texas Ave, Suite 1200  
Midland, TX 79701

Devon Energy Production  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102

James R Jackson  
3100 River Bend Dr.  
Hurst, TX 76054

#### **Overriding Royalty Interest Owners**

Tumbler Energy Partners, LLC  
P.O. Box 50938  
Midland, TX 79710  
Chilmark Properties LLC  
C/O Robert Landreth



110 W. Louisiana, Suite 404  
Midland, TX 79701

Crownrock Minerals LP  
P.O. Box 51933  
Midland, TX 79710



September 5, 2018

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. North  
Birmingham, AL 35203

**Re: Pork Pie State Com 602H, 704H & 703H Well Proposals**

Sec 10: W/2 E/2 - T24S-R35E

Sec 15: W/2 E/2 - T24S-R35E

Lea County, New Mexico

**Pork Pie State Com 702H, 701H & 601H Well Proposals**

Sec 10: E/2 E/2 - T24S-R35E

Sec 15: E/2 E/2 - T24S-R35E

Lea County, New Mexico

Dear Sir/Madam:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the following wells located in Section 10 and Section 15, 24S-35E, Lea County, New Mexico:

The **Pork Pie State Com 704H** well has a surface hole location of 210' FNL and 2,010' FEL of Section 10 and a bottom hole location of 50' FSL and 2,310' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,040' and a MD of approximately 22,000' to test the Wolfcamp formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

The **Pork Pie State Com 703H** well has a surface hole location of 210' FNL and 1,950' FEL of Section 10 and a bottom hole location of 50' FSL and 1,650' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 11,940' and a MD of approximately 21,900' to test the Wolfcamp formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

The **Pork Pie State Com 702H** well has a surface hole location of 210' FNL and 690' FEL of Section 10 and a bottom hole location of 50' FSL and 990' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,040' and a MD of approximately 22,000' to test the Wolfcamp formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

The **Pork Pie State Com 701H** well has a surface hole location of 210' FNL and 630' FEL of Section 10 and a bottom hole location of 50' FSL and 330' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,040' and a MD of approximately 22,000' to test the Wolfcamp formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. A-11

Case Nos. 20074 - 20077

Submitted by: COG OPERATING, LLC

Hearing Date: April 18, 2019

The **Pork Pie State Com 602H** well has a surface hole location of 210' FNL and 1,980' FEL of Section 10 and a bottom hole location of 50' FSL and 1,980' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 11,820' and a MD of approximately 21,780' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

The **Pork Pie State Com 601H** well has a surface hole location of 210' FNL and 660' FEL of Section 10 and a bottom hole location of 50' FSL and 660' FEL of Section 15, 24S-35E, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 11,820' and a MD of approximately 21,780' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$13,721,859.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill these wells under the terms of the modified 1989 AAPL form of Operating Agreements which are enclosed for your review and approval. The Operating Agreements cover: Sec 10: E/2 E/2 - T24S-R35E and Sec 15: E/2 E/2 - T24S-R35E, and Sec 10: W/2E/2 - T24S-R35E and Sec 15: W/2E/2 - T24S-R35E. They have the following general provisions:

- 100/300 Non-Consenting Penalty
- \$7,000/\$700 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your participation election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG proposes to acquire your interest via term assignment. It has the following general provisions:

- 3 year primary term
- Delivering a 75% NRI, proportionately reduced
- \$5000 per net acre bonus consideration

The Term Assignment offer terminates November 30, 2018 and is subject to the approval of COG's management and verification of title.

If an operating agreement cannot be agreed upon within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time.

If you have any questions, please do not hesitate to contact the undersigned at (432) 685-4352 or [msolomon@concho.com](mailto:msolomon@concho.com).

Respectfully,



Matt Solomon  
Staff Landman

**Pork Pie State Com 704H, 703H, 702H, 701H, 602H & 601H**

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 704H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 704H.

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 703H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 703H.

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 702H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 702H.

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 701H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 701H.

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 602H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 602H.

\_\_\_\_\_ I/We hereby elect to participate in the Pork Pie State Com 601H.

\_\_\_\_\_ I/We hereby elect **not** to participate in the Pork Pie State Com 601H.

Company: ENERGEN RESOURCES CORPORATION

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

<b>WELL NAME:</b>	<b>PORK PIE STATE COM 601H</b>	<b>PROSPECT NAME:</b>	<b>BULLDOG 717008</b>
<b>SHL:</b>	<b>210' FNL AND 660' FEL SEC 10</b>	<b>STATE &amp; COUNTY:</b>	<b>New Mexico, Lea</b>
<b>BHL:</b>	<b>50' FSL AND 680' FEL SEC 15</b>	<b>OBJECTIVE:</b>	<b>DRILL AND COMPLETE</b>
<b>FORMATION:</b>	<b>BONE SPRING</b>	<b>DEPTH:</b>	<b>21,780</b>
<b>LEGAL:</b>	<b>SEC 10 T24S-R35E</b>	<b>TVD:</b>	<b>11,820</b>

		<b>Drig - Rig Release(D)</b>	<b>Completion(C)</b>	<b>Tank Btty Constrctn(TB)</b>	<b>Pmpg. Equipment(PEQ)</b>	<b>TOTAL</b>
<b>INTANGIBLE COSTS</b>						
Title/Curative/Permit	201	20,000				20,000
Insurance	202	2,500	302			2,500
Damages/Right of Way	203	20,000	303	351		20,000
Survey/State Location	204	7,000		352		7,000
Location/Pits/Road Expense	205	123,000	305	10,000	353	178,000
Drilling / Completion Overhead	206	11,100	306	15,000		26,100
Turnkey Contract	207					0
Footage Contract	208					0
Daywork Contract	209	923,000				923,000
Directional Drilling Services	210	442,000				442,000
Frac Equipment			307	1,393,000		1,393,000
Frac Chemicals			308	464,000		464,000
Frac Proppant			309	799,000		799,000
Frac Proppant Transportation			310	392,000		392,000
Fuel & Power	211	211,000	311	68,000	354	279,000
Water	212	60,000	312	950,000	368	1,010,000
Eels	213	111,000	313	4,500	369	115,500
Mud & Chemicals	214	275,000	314	25,000	370	300,000
Drill Stem Test	215		315			0
Coreing & Analysis	216					0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate/Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220				371	0
Float Equipment & Centralizers	221	65,000				65,000
Casing Crews & Equipment	222	70,000				70,000
Fishing Tools & Service	223		323		372	0
Geologic/Engineering	224	11,400	324	353	373	11,400
Contract Labor	225	6,500	325	20,000	356	155,715
Company Supervision	226	86,600	326	15,000	357	81,600
Contract Supervision	227	157,000	327	255,000	358	417,600
Testing Casing/Tubing	228	30,000	328	5,000	377	35,000
Mud Logging Unit	229	52,000	329			52,000
Logging	230				378	0
Perforating/Wireline Services	231	4,000	331	529,000	379	533,000
Stimulation/Treating			332	397,000	380	397,000
Completion Unit			333	138,000	381	147,856
Swabbing Unit			334		382	0
Rentals-Surface	235	190,000	335	403,000	359	600,840
Rentals-Subsurface	236	150,000	336	30,000	384	180,000
Trucking/Forklift/Rig Mobilization	237	62,000	337	20,000	360	85,360
Welding Services	238	3,000	338	5,000	361	8,000
Water Disposal	239		339	60,000	362	185,000
Plug to Abandon	240		340		367	0
Seismic Analysis	241		341			0
Miscellaneous	242		342		389	0
Contingency	243	60,000	343	250,000	363	319,000
Closed Loop & Environmental	244	330,000	344	5,000	364	335,000
Dyed Diesel	245		345	476,000		750,000
Coil Tubing			346	750,000		81,600
Flowback Crews & Equip			347	48,000	392	0
Offset Directional/Frac	248		348		391	0
<b>TOTAL INTANGIBLES</b>		<b>3,680,100</b>	<b>7,526,500</b>	<b>302,935</b>	<b>67,536</b>	<b>11,587,071</b>
<b>TANGIBLE COSTS</b>						
Surface Casing	401	52,000				52,000
Intermediate Casing	402	555,000				555,000
Production Casing/Liner	403	516,000				516,000
Tubing			504	52,030	530	57,630
Wellhead Equipment	405	75,000	505	22,000	531	100,360
Pumping Unit				0	506	107,520
Prime Mover				0	507	0
Rods					508	39,200
Pumps-Sub Surface (BPs)			509		532	5,600
Tanks				510	63,645	63,645
Flowlines				511	26,593	26,593
Heater Treater/Separator				512	140,007	140,007
Electrical System				513	130,000	146,600
Packers/Anchors/Hangers	414		514	66,000	534	68,240
Couplings/Fittings/Valves	415			515	102,282	102,282
Dehydration				517		0
Injection Plant/CO2 Equipment				518		0
Pumps-Surface				521	4,717	4,717
Instrumentation/SCADA/POC				522	10,482	18,322
Miscellaneous	419		519	5,241	535	8,601
Contingency	420		520		536	0
Meters/FACT				525	25,156	25,156
Flares/Combustors/Emission				526	23,584	23,584
Gas Lift/Compression			527	15,000	516	73,531
<b>TOTAL TANGIBLES</b>		<b>1,198,000</b>	<b>155,030</b>	<b>590,238</b>	<b>191,520</b>	<b>2,134,189</b>
<b>TOTAL WELL COSTS</b>		<b>4,888,100</b>	<b>7,681,530</b>	<b>893,173</b>	<b>259,056</b>	<b>13,721,859</b>

COG Operating LLC % of Total Well Cost

36%

56%

7%

2%

Date Prepared 8/31/18

We approve

COG Operating LLC

% Working Interest

By JG

Company JAMES R JACKSON

By

Printed Name

Title

Date

This AFF is only an estimate By signing you agree to pay your share of the actual costs incurred.

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

<b>WELL NAME:</b>	<b>PORK PIE STATE COM 602H</b>	<b>PROSPECT NAME:</b>	<b>BULLDOG 717006</b>
<b>SHL:</b>	<b>210' FNL AND 1,980' FEL SEC 10</b>	<b>STATE &amp; COUNTY:</b>	<b>New Mexico, Lea</b>
<b>BHL:</b>	<b>50' FSL AND 1,980' FEL SEC 15</b>	<b>OBJECTIVE:</b>	<b>DRILL AND COMPLETE</b>
<b>FORMATION:</b>	<b>BONE SPRING</b>	<b>DEPTH:</b>	<b>21,780</b>
<b>LEGAL:</b>	<b>SEC 10 T24S-R35E</b>	<b>TVD:</b>	<b>11,820</b>

			<b>Drig - Rig Release(D)</b>	<b>Completion(C)</b>	<b>Tank Btty Constructn(TB)</b>	<b>Pmpg Equipment(PEQ)</b>	<b>TOTAL</b>
<b>INTANGIBLE COSTS</b>							
Tuber/Curtalve/Permit	201		20,000				20,000
Insurance	202		2,500	302			2,500
Damages/Right of Way	203		20,000	303	351		20,000
Survey/Stake Location	204		7,000		352		7,000
Location/Pds/Road Expense	205		123,000	305	353	45,000	178,000
Drilling / Completion Overhead	206		11,100	306			26,100
Turnkey Contract	207						0
Footage Contract	208						0
Daywork Contract	209		923,000				923,000
Directional Drilling Services	210		442,000				442,000
Frac Equipment		307		1,393,000			1,393,000
Frac Chemicals		308		464,000			464,000
Frac Proppant		309		799,000			799,000
Frac Proppant Transportation		310		392,000			392,000
Fuel & Power	211		211,000	311	354	367	279,000
Water	212		60,000	312		368	1,010,000
Bits	213		111,000	313		369	115,500
Mud & Chemicals	214		275,000	314		370	300,000
Drill Stem Test	215		315				0
Coring & Analysis	216						0
Cement Surface	217		28,000				28,000
Cement Intermediate	218		75,000				75,000
Cement 2nd Intermediate/Production	219		115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220					371	0
Float Equipment & Centralizers	221		65,000				65,000
Casing Crews & Equipment	222		70,000				70,000
Fishing Tools & Service	223		323			372	0
Geologic/Engineering	224		11,400	324	355	373	11,400
Contract Labor	225		6,500	325	356	374	156,715
Company Supervision	226		66,600	326	357	375	81,600
Contract Supervision	227		157,000	327	358	376	417,600
Testing Casing/Tubing	228		30,000	328		377	35,000
Mud Logging Unit	229		52,000	329			52,000
Logging	230					378	0
Perforating/Wireline Services	231		4,000	331		379	533,000
Stimulation/Treating		332		397,000		380	397,000
Completion Unit		333		138,000		381	147,856
Swabbing Unit		334				382	0
Rentals-Surface	235		190,000	335	359	383	800,840
Rentals-Subsurface	236		150,000	336		384	180,000
Trucking/Forklift/Rig Mobilization	237		62,000	337	360	385	85,360
Welding Services	238		3,000	338	361	386	8,000
Water Disposal	239			339	362	387	199,000
Play to Abandon	240			340			0
Seismic Analysis	241			341			0
Miscellaneous	242			342		389	0
Contingency	243		69,000	343	363	390	319,000
Closed Loop & Environmental	244		330,000	344	364	388	335,000
Dyed Diesel	245			345			750,000
Coil Tubing		346		750,000			81,600
Flowback Crews & Equip		347		48,000		392	0
Offset Directional/Frac	248			348		391	
<b>TOTAL INTANGIBLES</b>			<b>3,690,100</b>	<b>7,526,500</b>	<b>302,935</b>	<b>67,536</b>	<b>11,587,071</b>
<b>TANGIBLE COSTS</b>							
Surface Casing	401		52,000				52,000
Intermediate Casing	402		555,000				555,000
Production Casing/Liner	403		516,000				516,000
Tubing		504		52,030		530	57,630
Wellhead Equipment	405		75,000	505		531	100,360
Pumping Unit			0			506	107,520
Prime Mover			0			507	0
Rods			0			508	39,200
Pumps-Sub Surface (BH)		509				532	5,600
Tanks				510			63,645
Flowlines				511			26,593
Heater Treater/Separator				512			140,007
Electrical System				513		533	146,800
Packers/Anchors/Hangers	414		514	66,000		534	68,240
Couplings/Fittings/Valves	415			515			102,282
Dehydration				517			0
Injection Plant/CO2 Equipment				518			0
Pumps-Surface				521			4,717
Instrumentation/SCADA/POC				522		529	18,322
Miscellaneous	419		519	523		535	8,801
Contingency	420		520	524		536	0
Meters/LACT				525			25,156
Flares/Combustor/Emission				526			23,564
Gas Lift/Compression		527		15,000	518	528	73,531
<b>TOTAL TANGIBLES</b>			<b>1,198,000</b>	<b>155,030</b>	<b>580,236</b>	<b>191,520</b>	<b>2,134,788</b>
<b>TOTAL WELL COSTS</b>			<b>4,888,100</b>	<b>7,681,530</b>	<b>893,173</b>	<b>259,056</b>	<b>13,721,859</b>
<b>% of Total Well Cost</b>			<b>36%</b>	<b>56%</b>	<b>7%</b>	<b>2%</b>	

COG Operating LLC

We approve:

Working Interest

Company JAMES R JACKSON

By

Printed Name

Title

Date

Date Prepared 8/31/16

COG Operating LLC

By

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

WELL NAME:	PORK PIE STATE COM 701H	PROSPECT NAME:	BULLDOG 717008
SHL:	210' FNL AND 530' FEL SEC 10	STATE & COUNTY:	New Mexico, Lea
BHL:	50' FSL AND 330' FEL SEC 15	OBJECTIVE:	DRILL AND COMPLETE
FORMATION:	WOLFCAMP	DEPTH:	22,000
LEGAL:	SEC 10 T24S-R35E	TVD:	12,040

		Drill - Rig	Completion(C)	Tank Btty	Pmng	TOTAL
		Release(D)		Constructn(TB)	Equipment(PEQ)	
INTANGIBLE COSTS						
Title/Convey/Permits	201	20,000				20,000
Insurance	202	2,500	302			2,500
Damages/Right of Way	203	20,000	351			20,000
Survey/State Location	204	7,000	352			7,000
Location/Tras Road Expense	205	123,000	353	45,000	369	178,000
Drilling / Completion Overhead	206	11,100	15,000			26,100
Turnkey Contract	207					0
Footage Contract	208					0
Daywork Contract	209	923,000				923,000
Directional Drilling Services	210	442,000				442,000
Frac Equipment			307	1,393,000		1,393,000
Frac Chemicals			308	464,000		464,000
Frac Proppant			309	799,000		799,000
Frac Proppant Transportation			310	392,000		392,000
Fuel & Power	211	211,000	311	68,000	354	279,000
Water	212	60,000	312	950,000	367	1,010,000
Bits	213	111,000	313	4,500	368	115,500
Mud & Chemicals	214	275,000	314	25,000	370	300,000
Drill Stem Test	215		315			0
Coring & Analysis	216					0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate/Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220				371	0
Float Equipment & Centralizers	221	65,000				65,000
Casing Crews & Equipment	222	70,000				70,000
Fishing Tools & Service	223		323		372	0
Geologic/Engineering	224	11,400	324	355	373	11,400
Contract Labor	225	6,500	325	356	122,935	136,335
Company Supervision	226	66,600	326	357	375	61,600
Contract Supervision	227	157,000	327	358	376	417,600
Testing Casing/Testing	228	30,000	328	5,000	377	35,000
Mud Logging Unit	229	52,000	329			52,000
Logging	230				378	0
Perforating/Wireline Services	231	4,000	331	529,000	379	533,000
Stimulation/Treating			332	397,000	380	397,000
Completion Unit			333	138,000	391	147,856
Swabbing Unit			334		392	0
Rentals-Surface	235	190,000	335	403,000	359	800,840
Rentals-Subsurface	236	190,000	336	30,200	384	190,000
Trucking/Facility/Rig Mobilization	237	62,000	337	20,000	385	85,360
Welding Services	238	3,000	338	5,000	361	8,000
Water Disposal	239		339	60,000	382	185,000
Plug to Abandon	240		340			0
Seismic Analysis	241		341			0
Miscellaneous	242		342		389	0
Contingency	243	68,000	343	250,000	363	318,000
Closed Loop & Environmental	244	336,000	344	5,000	364	341,000
Dyed Diesel	245		345	476,000		476,000
Gas Tubing			346	750,000		750,000
Flowback Crews & Equip			347	48,000	392	61,600
Offset Directional/Frac	246		348		391	0
<b>TOTAL INTANGIBLES</b>		3,590,100	7,526,500	302,935	67,536	11,587,071
TANGIBLE COSTS						
Surface Casing	401	52,000				52,000
Intermediate Casing	402	555,000				555,000
Production Casing/Liner	403	516,000				516,000
Tubing			504	52,030	530	57,630
Wellhead Equipment	405	75,000	505	22,000	531	100,360
Pumping Unit				0	506	107,520
Pumps Mover				0	507	0
Rods				0	508	39,200
Pumps-Sub Surface (BH)			509		532	5,600
Tasks				510	63,645	63,645
Flowlines				511	26,593	26,593
Heater Treater/separator				512	140,007	140,007
Electrical System				513	130,000	146,800
Packers/Anchors/Hangers	414		514	66,000	534	68,240
Couplings/Fittings/Valves	415			515	102,282	102,282
Dehydration				517		0
Injection Plant/CO2 Equipment				518		0
Pumps-Surface				521	4,717	4,717
Instrumentation/SCADA/POC				522	10,482	18,322
Miscellaneous	419		519	5,241	535	8,601
Contingency	420		520		536	0
Meters/LACT				525	25,156	25,156
Flares/Combustors/Emission				526	23,584	23,584
Gas Lift/Compression			527	15,000	516	73,531
<b>TOTAL TANGIBLES</b>		1,198,000	155,030	540,238	191,520	2,134,788
<b>TOTAL WELL COSTS</b>		4,888,100	7,681,530	893,173	259,056	13,721,859
		% of Total Well Cost	36%	56%	7%	2%

COG Operating LLC

We approve:

\_\_\_\_\_, % Working Interest

Company: JAMES R JACKSON

By:

Printed Name:

Title:

Date:

Date Prepared: 8/31/18

COG Operating LLC

By: JG

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

WELL NAME:	PORK PIE STATE COM 702H	PROSPECT NAME:	BULLDOG 717008
SHL:	210' FNL AND 690' FEL SEC 10	STATE & COUNTY:	New Mexico, Lea
BHL:	50' FSL AND 990' FEL SEC 15	OBJECTIVE:	DRILL AND COMPLETE
FORMATION:	WOLF CAMP	DEPTH:	22,000
LEGAL:	SEC 10 T24S-R35E	TVD:	12,040

INTANGIBLE COSTS		Drig - Rig Release(D)	Completion(C)	Tank Btty Constructn(TB)	Pmpg Equipment(PEQ)	TOTAL
Title/Curative/Permit	201	20,000				20,000
Insurance	202	2,500	302			2,500
Damages/Right of Way	203	20,000	303	351		20,000
Survey/Stake Location	204	7,000		352		7,000
Location/Pits/Road Expense	205	123,000	305	10,000	353	178,000
Drilling / Completion Overhead	206	11,100	306	15,000	356	26,100
Turnkey Contract	207					0
Footage Contract	208					0
Daywork Contract	209	923,000				923,000
Directional Drilling Services	210	442,000				442,000
Frac Equipment			307	1,393,000		1,393,000
Frac Chemicals			308	464,000		464,000
Frac Proppant			309	799,000		799,000
Frac Proppant Transportation			310	392,000		392,000
Fuel & Power	211	211,000	311	68,000	354	279,000
Water	212	60,000	312	950,000	357	1,010,000
Bits	213	111,000	313	4,500	358	115,500
Mud & Chemicals	214	275,000	314	25,000	370	300,000
Drill Stem Test	215		315			0
Coring & Analysis	216					0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate/Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220				371	0
Ficat Equipment & Centralizers	221	65,000				65,000
Casing Crews & Equipment	222	70,000				70,000
Fishing Tools & Service	223		323		372	0
Geologic/Engineering	224	11,400	324	355	373	11,400
Contract Labor	225	6,500	325	20,000	356	156,715
Company Supervision	226	88,600	326	15,000	357	81,600
Contract Supervision	227	157,000	327	255,000	358	417,600
Testing Casing/Tubing	228	30,000	328	5,000	377	35,000
Mud Logging Unit	229	52,000	329			52,000
Logging	230				378	0
Perforating/Wireline Services	231	4,000	331	528,000	379	533,000
Stimulation/Treating			332	397,000	380	397,000
Completion Unit			333	138,000	381	0,856
Swabbing Unit			334		382	0
Rentals-Surface	235	190,000	335	403,000	359	600,840
Rentals-Subsurface	236	150,000	336	30,000	384	180,000
Trucking/Tons/Dr Rig Mobilization	237	62,000	337	20,000	360	85,360
Wellbore Services	238	3,000	338	5,000	361	8,000
Water Disposal	239		339	80,000	362	135,000
Plug to Abandon	240		340		387	195,000
Seismic Analysis	241		341			0
Miscellaneous	242		342		389	0
Contingency	243	69,000	343	250,000	363	319,000
Closed Loop & Environmental	244	330,000	344	5,000	364	335,000
Dyed Diesel	245		345	476,000		750,000
Cat Tubing			346	750,000		81,600
Flowback Crews & Equip			347	48,000	392	33,600
Offset Directional/Frac	248		348		391	0
<b>TOTAL INTANGIBLES</b>		<b>3,690,100</b>	<b>7,526,500</b>	<b>302,935</b>	<b>67,536</b>	<b>11,587,071</b>

TANGIBLE COSTS						
Surface Casing	401	52,000				52,000
Intermediate Casing	402	555,000				555,000
Production Casing/Liner	403	516,000				516,000
Tubing			504	52,030	530	57,630
Wellhead Equipment	405	75,000	505	22,000	531	109,360
Pumping Unit				0	506	107,520
Prime Mover				0	507	0
Rods				0	508	39,200
Pumps-Sub Surface (BH)			509		532	5,600
Tanks				510	63,645	63,645
Flowlines				511	26,593	26,593
Heater Treater/Separator				512	140,007	140,007
Electrical System				513	130,000	146,800
Packoffs/Anchors/Hangers	414		514	66,000	534	68,240
Couplings/Fittings/Valves	415				515	102,282
Dehydration					517	0
Injection Plant/CO2 Equipment					518	0
Pumps-Surface				521	4,717	4,717
Instrumentation/SCADA/POC				522	10,482	7,840
Miscellaneous	419		519		523	5,241
Contingency	420		520		524	3,360
Meters/LACT				525	25,156	25,156
Flares/Combustors/Emission				526	23,584	23,584
Gas Lift/Compression			527	15,000	516	58,531
<b>TOTAL TANGIBLES</b>		<b>1,198,000</b>	<b>153,030</b>	<b>590,238</b>	<b>191,520</b>	<b>2,134,788</b>
<b>TOTAL WELL COSTS</b>		<b>4,888,100</b>	<b>7,681,530</b>	<b>893,173</b>	<b>259,056</b>	<b>13,721,859</b>

COG Operating LLC	% of Total Well Cost	36%	56%	7%	2%
Date Prepared: 8/31/18					
We approve:		COG Operating LLC			
% Working Interest:		By: JG			
Company:	DEVON ENERGY PRODUCTION				
By:					
Printed Name:					
Title:		This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.			
Date:					



**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

<b>WELL NAME:</b>	<b>PORK PIE STATE COM 703H</b>	<b>PROSPECT NAME:</b>	<b>BULLDOG 717005</b>
<b>SHL:</b>	<b>210' FNL AND 1,950' FEL SEC 10</b>	<b>STATE &amp; COUNTY:</b>	<b>New Mexico, Lea</b>
<b>BHL:</b>	<b>50' FSL AND 1,650' FEL SEC 15</b>	<b>OBJECTIVE:</b>	<b>DRILL AND COMPLETE</b>
<b>FORMATION:</b>	<b>WOLFCAMP</b>	<b>DEPTH:</b>	<b>21,900</b>
<b>LEGAL:</b>	<b>SEC 10 T24S-R35E</b>	<b>TVD:</b>	<b>11,940</b>

		<b>Drig - Rig Release(D)</b>	<b>Completion(C)</b>	<b>Tank Btly Constructn(TB)</b>	<b>Pmpg Equipment(PEQ)</b>	<b>TOTAL</b>
<b>INTANGIBLE COSTS</b>						
Title/Curative/Permit	201	20,000				20,000
Insurance	202	2,500	302			2,500
Damages/Right of Way	203	20,000	303			20,000
Survey/Stake Location	204	7,000		351		7,000
Location/Pits/Road Expense	205	123,000	305			123,000
Drilling / Completion Overhead	206	11,100	306	45,000	355	179,100
Turnkey Contract	207		15,000			26,100
Footage Contract	208					0
Daywork Contract	209	923,000				923,000
Directional Drilling Services	210	442,000				442,000
Frac Equipment			1,393,000			1,393,000
Frac Chemicals			464,000			464,000
Frac Proppant			799,000			799,000
Frac Proppant Transportation			392,000			392,000
Fuel & Power	211	211,000	311	68,000	357	279,000
Water	212	60,000	312	950,000	368	1,010,000
Bits	213	111,000	313	4,500	369	115,500
Mud & Chemicals	214	275,000	314	25,000	370	300,000
Drill Stem Test	215		315			0
Coring & Analysis	216					0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate/Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220					0
Float Equipment & Contractors	221	65,000			371	65,000
Casing Crews & Equipment	222	70,000				70,000
Fishing Tools & Service	223		323		372	0
Geology/Engineering	224	11,400	324		373	11,400
Contract Labor	225	6,500	325	20,000	356	126,500
Company Supervision	226	66,600	326	15,000	357	81,600
Contract Supervision	227	157,000	327	255,000	358	412,000
Testing Casing/Tubing	228	30,000	328	5,000	377	35,000
Mud Logging Unit	229	52,000	329			52,000
Logging	230				378	0
Perforating/Wireline Services	231	4,000	331	529,000	379	533,000
Simulation/Treating			332	397,000	380	397,000
Completion Unit			333	138,000	381	138,000
Swabbing Unit			334		382	0
Rentals-Surface	235	190,000	335	403,000	359	593,000
Rentals-Subsurface	236	150,000	336	30,000	384	180,000
Trucking/Forklift/Rig Mobilization	237	82,000	337	20,000	360	102,000
Wellbore Services	238	3,000	338	5,000	361	8,000
Water Disposal	239		339	60,000	362	60,000
Plug to Abandon	240		340		363	0
Seismic Analysis	241		341		364	0
Miscellaneous	242		342		389	0
Contingency	243	69,000	343	250,000	363	319,000
Closed Loop & Environmental	244	330,000	344	5,000	364	335,000
Dyed Diesel	245		345	476,000		476,000
Coil Tubing			346	750,000		750,000
Flowback Crews & Equip			347	48,000	392	48,000
Offset Directional/Frac	246		348		391	0
<b>TOTAL INTANGIBLES</b>		<b>3,690,100</b>	<b>7,526,500</b>	<b>302,925</b>	<b>67,536</b>	<b>11,587,071</b>
<b>TANGIBLE COSTS</b>						
Surface Casing	401	52,000				52,000
Intermediate Casing	402	555,000				555,000
Production Casing/Liner	403	516,000				516,000
Tubing			504	52,030	530	57,030
Wellhead Equipment	405	75,000	505	22,000	531	97,000
Pumping Unit				0	506	107,520
Prime Mover				0	507	0
Rods				0	508	39,200
Pumps-Sub Surface (BH)			509		532	5,600
Tanks				63,645		63,645
Flowlines				26,593		26,593
Heater/Treater/Separator				140,007		140,007
Electrical System				130,000	533	16,800
Packers/Anchors/Hangers	414		514	66,000	534	66,000
Couplings/Fittings/Valves	415			102,262		102,262
Dehydration					517	0
Injection Plant/CO2 Equipment					518	0
Pumps-Surface				4,717		4,717
Instrumentation/SCADA/ROD				10,482	529	16,322
Miscellaneous	419		519	5,241	535	8,601
Contingency	420		520		536	0
Meters/LACT				25,156		25,156
Flares/Combustors/Emission				23,584		23,584
Gas Lift/Compression			527	15,000	516	58,531
<b>TOTAL TANGIBLES</b>		<b>1,188,000</b>	<b>155,030</b>	<b>890,239</b>	<b>191,520</b>	<b>2,134,789</b>
<b>TOTAL WELL COSTS</b>		<b>4,878,100</b>	<b>7,681,530</b>	<b>893,173</b>	<b>259,056</b>	<b>13,721,859</b>

<b>COG Operating LLC</b>	<b>% of Total Well Cost</b>	<b>36%</b>	<b>86%</b>	<b>7%</b>	<b>2%</b>
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Date Prepared: 8/31/18

We approve: \_\_\_\_\_  
% Working Interest

COG Operating LLC  
By: \_\_\_\_\_ JG

Company: **ENERGEN RESOURCES CORPORATION**

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

This AFE is only an estimate. By signing you agree to pay your share  
of the actual costs incurred.

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

<b>WELL NAME:</b>	<b>PORK PIE STATE COM 704H</b>	<b>PROSPECT NAME:</b>	<b>BULLDOG 717008</b>
<b>SHL:</b>	<b>210' FNL AND 2.010' FEL SEC 10</b>	<b>STATE &amp; COUNTY:</b>	<b>New Mexico, Lea</b>
<b>BHL:</b>	<b>50' FSL AND 2.310' FEL SEC 15</b>	<b>OBJECTIVE:</b>	<b>DRILL AND COMPLETE</b>
<b>FORMATION:</b>	<b>WOLFCAMP</b>	<b>DEPTH:</b>	<b>22,000</b>
<b>LEGAL:</b>	<b>SEC 10 T24S-R35E</b>	<b>TVD:</b>	<b>12,040</b>

<b>INTANGIBLE COSTS</b>		<b>Drig - Rig Release(D)</b>	<b>Completion(C)</b>	<b>Tank Btty Constrcn(TB)</b>	<b>Pmpg Equipment(PEQ)</b>	<b>TOTAL</b>
Take/Carative/Permit	201	20,000				20,000
Insurance	202	2,500	302			2,500
Damages/Right of Way	203	20,000	303	351		20,000
Survey/State Location	204	7,000		352		7,000
Location/Pipe/Road Expense	205	123,000	305	10,000	353	178,000
Drilling / Completion Overhead	206	11,100	306	15,000	366	26,100
Turnkey Contract	207					0
Postage Contract	208					0
Daywork Contract	209	923,000				923,000
Directional Drilling Services	210	442,000				442,000
Frac Equipment			307	1,393,000		1,393,000
Frac Chemicals			308	464,000		464,000
Frac Proppant			309	799,000		799,000
Frac Proppant Transportation			310	392,000		392,000
Fuel & Power	211	211,000	311	66,000	354	279,000
Water	212	60,000	312	950,000	368	1,010,000
Bits	213	111,000	313	4,500	369	115,500
Mud & Chemicals	214	275,000	314	25,000	370	300,000
Drill Stem Test	215		315			0
Coring & Analysis	216					0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate-Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220				371	0
Float Equipment & Centralizers	221	65,000				65,000
Casing Crews & Equipment	222	70,000				70,000
Fishing Tools & Service	223		323		372	0
Geologic/Engineering	224	11,400	324	355	373	11,400
Contract Labor	225	6,300	325	20,000	356	122,935
Company Supervision	226	66,600	326	15,000	357	375
Contract Supervision	227	157,000	327	255,000	358	376
Testing Casing/Tubing	228	30,000	328	5,000		377
Mud Logging Unit	229	52,000	329			5,600
Logging	230				378	35,000
Perforating/Wireline Services	231	4,000	331	529,000	379	52,000
Stimulation/Treating			332	397,000	380	533,000
Completion Unit			333	138,000	361	397,000
Swabbing Unit		334			362	147,856
Rentals-Surface	235	190,000	335	403,000	359	0
Rentals-Subsurface	236	150,000	336	30,000	363	7,840
Trucking/Forklift/Rig Mobilization	237	62,000	337	20,000	364	180,000
Welding Services	238	3,000	338	5,000	361	3,360
Water Disposal	239		339	60,000	362	8,000
Plug to Abandon	240		340		135,000	165,000
Seismic Analysis	241		341			0
Miscellaneous	242		342		389	0
Contingency	243	69,000	343	250,000	363	360
Closed Loop & Environmental	244	330,000	344	5,000	364	319,000
Dyed Diesel	245		345	476,000		335,000
Coil Tubing			346	750,000		750,000
Fireback Crews & Equip			347	48,000	392	33,600
Offset Directional/Fisc	248		348		391	0
<b>TOTAL INTANGIBLES</b>		<b>3,690,100</b>	<b>7,526,500</b>	<b>302,935</b>	<b>67,536</b>	<b>11,587,071</b>

<b>TANGIBLE COSTS</b>						
Surface Casing	401	52,000				52,000
Intermediate Casing	402	555,000				555,000
Production Casing/Liner	403	516,000				516,000
Tubing			504	52,030	530	57,630
Wellhead Equipment	405	75,000	505	22,000	531	3,360
Pumping Unit				0	506	107,520
Prime Mover				0	507	0
Rods				0	508	39,200
Pumps-Sub Surface (BH)			509		532	5,600
Tanks				510	63,645	63,645
Flowlines				511	26,593	26,593
Heater Treater/Separator				512	140,007	140,007
Electrical System				513	130,000	146,800
Packers/Anchors/Hangers	414		514	66,000	534	68,240
Couplings/Fittings/Valves	415			515	102,282	102,282
Dehydration				517		0
Injection Plant/CO2 Equipment				518		0
Pumps-Surface				521	4,717	4,717
Instrumentation/SCADA/POC				522	10,482	18,322
Miscellaneous	419		519	5,241	535	8,601
Contingency	420		520		536	0
Meiers/LACT				525	25,156	25,156
Flares/Combustors/Emission				526	23,564	23,564
Gas Lift/Compression			527	15,000	516	73,531
<b>TOTAL TANGIBLES</b>		<b>1,198,000</b>	<b>155,030</b>	<b>590,236</b>	<b>191,520</b>	<b>2,134,788</b>
<b>TOTAL WELL COSTS</b>		<b>4,888,100</b>	<b>7,681,530</b>	<b>893,173</b>	<b>259,056</b>	<b>13,721,859</b>

<b>% of Total Well Cost</b>	<b>36%</b>	<b>56%</b>	<b>7%</b>	<b>2%</b>
COG Operating LLC	<b>Date Prepared</b> 8/31/15			
_____ We approve:	COG Operating LLC			
_____ % Working Interest	By _____ JC			
Company: JAMES R JACKSON				
By _____				
Printed Name: _____				
Title: _____	This AFE is only an estimate. By signing you agree to pay your share			
Date: _____	of the actual costs incurred			

**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC FOR  
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.**

**CASE NOS. 20074, 20075, 20076, 20077**

**AFFIDAVIT OF ALLISON HOLCOMB  
IN SUPPORT OF CASE NOS. 20074, 20075, 20076, & 20077**

Allison Holcomb, of lawful age and being first duly sworn, declares as follows:

1. My name is Allison Holcomb. I work for COG Operating LLC ("COG") as a Geologist.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by COG in these consolidated cases, and I have conducted a geologic study of the lands in the subject areas.
4. In these consolidated cases, COG is targeting the Bone Spring and Wolfcamp formations.
5. **COG Exhibit B-1** is a locator map. It shows COG's acreage in yellow. The path of the proposed wellbores for the proposed **Pork Pie State Com 601H and 602H wells**, which target the 3rd Bone Spring, are marked by dashed purple lines. The surface hole and bottom hole locations for these wells are also indicated. The path of the proposed wellbores for the proposed **Pork Pie State Com 701H, 702H, 703H, and 704H wells**, which target the Wolfcamp, are marked by a dashed pink lines. The surface hole and bottom hole locations for these wells are

also indicated. Nearby wells producing from the 3rd Bone Spring are denoted by purple circles, and nearby wells producing from the Wolfcamp are denoted by pink circles.

6. **COG Exhibit B-2** is a subsea structure map that I prepared off the top of the Third Bone Spring. As with the locator map, the wellbore paths for the proposed Pork Pie State Com 601H and 602H wells are depicted by dashed purple lines. The contour interval is 100 feet. The structure map shows that the area is gently sloping to the southwest. The structure appears consistent in this section. I do not observe any faulting, pinchouts, or other geologic hazards to developing a horizontal well.

7. **COG Exhibit B-3** is a subsea structure map that I prepared off the top of the Wolfcamp. As with the locator map, the wellbore paths for the proposed Pork Pie State Com 701H, 702H, 703H, and 704H wells are depicted by dashed pink lines. The contour interval is 100 feet. The structure map shows that the area is gently sloping to the southwest. The structure appears consistent in this section. I do not observe any faulting, pinchouts, or other geologic hazards to developing a horizontal well.

8. **COG Exhibit B-4** shows three wells used to construct a cross-section from A to A'. I consider these wells to be representative of the geology of the area.

9. **COG Exhibit B-5** is a cross section prepared by me for the three representative wells from A to A'. The exhibit shows logs for gamma ray and resistivity for all three wells, and logs for porosity for two of the three wells. The proposed target interval for the 3rd Bone Spring wells is marked and labeled in purple. The logs in the cross-section demonstrate that the target interval within the 3rd Bone Spring is consistent in thickness, across the entire spacing unit. The proposed target interval for the Wolfcamp wells is marked and labeled in pink. The logs in the

cross-section demonstrate that the target interval within the Wolfcamp is consistent in thickness, across the entire spacing unit.

10. Based on my geologic study of the areas, I have not identified any geologic impediments to drilling horizontal wells in the area.

11. In my opinion, each tract comprising the proposed spacing unit will be productive and contribute more-or-less equally to production from the wellbore.

12. In my opinion, the granting of COG's applications in these consolidated cases is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

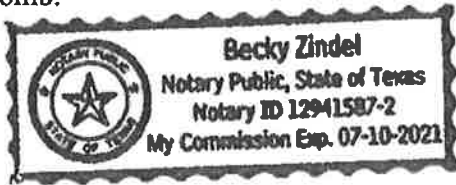
13. **COG Exhibits B-1 through B-5** were either prepared by me or compiled under my direction and supervision.

Allison Holcomb  
ALLISON HOLCOMB

STATE OF TEXAS

COUNTY OF Midland }

SUBSCRIBED and SWORN to before me this 17th day of April 2019 by Allison Holcomb.



Becky Zindel  
NOTARY PUBLIC

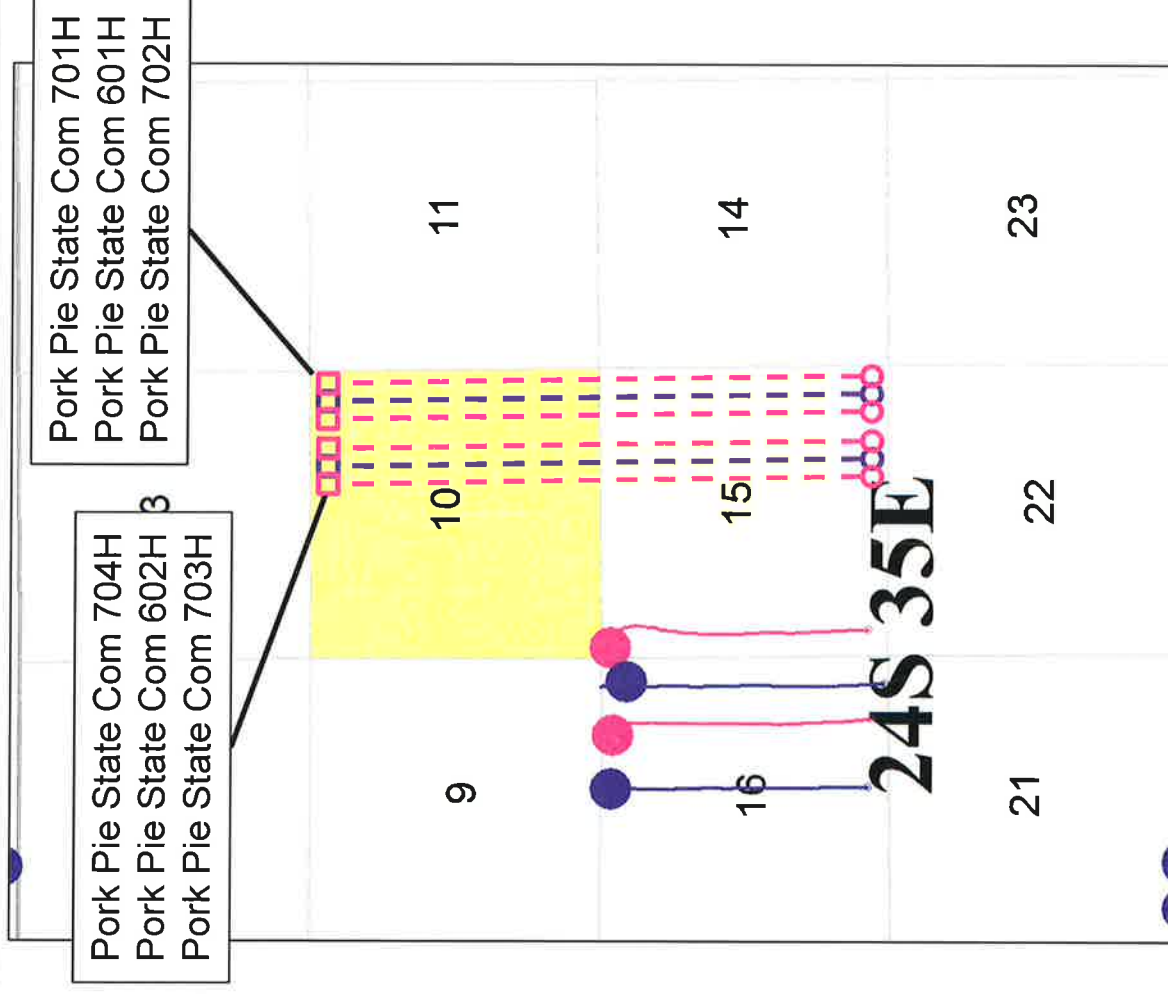
My Commission Expires:

7/10/21

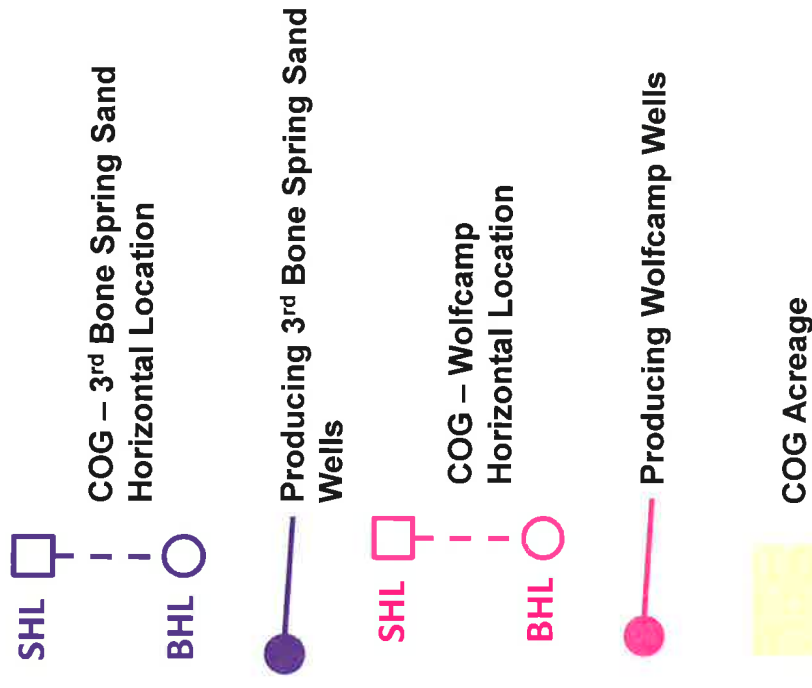
12060201\_1

# Bone Spring Pool, Wolfcamp Pool

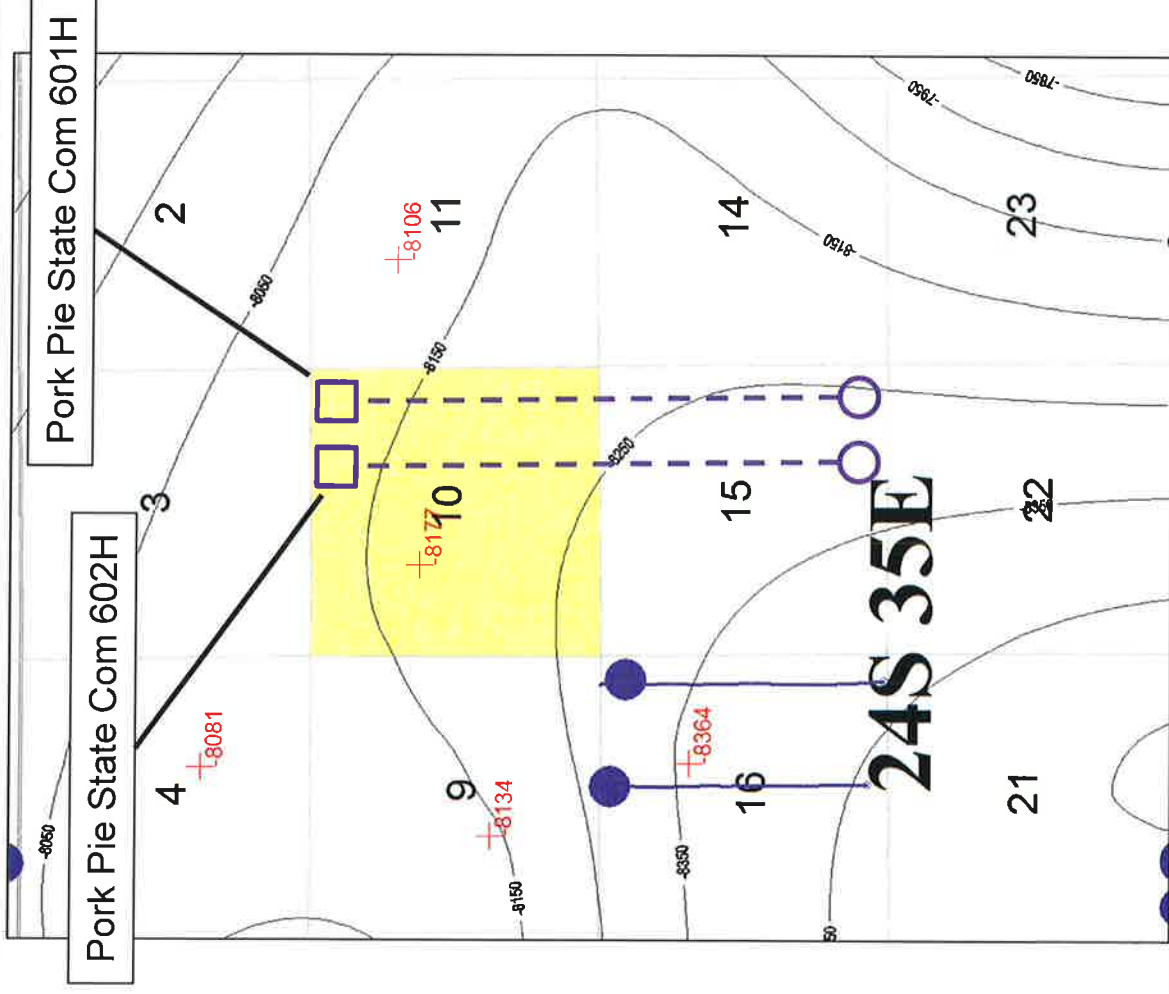
## Pork Pie State Com 601H, 602H, 701H, 702H, 703H, 704H



### Map Legend



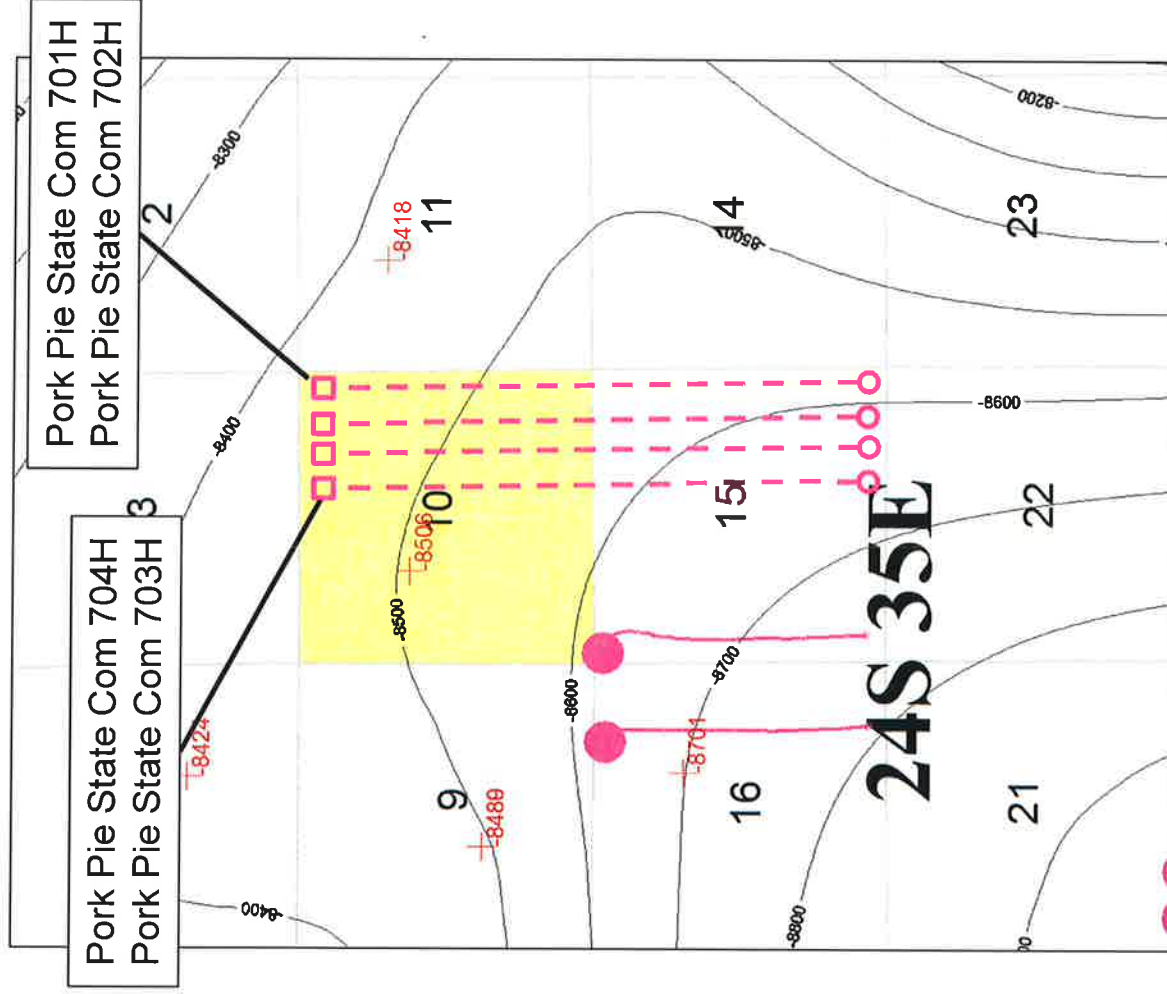
# 3<sup>rd</sup> Bone Spring Sand Subsea Structure Map Bone Spring Pool





# Wolfcamp Subsea Structure Map

## Wolfcamp Pool



SHL

COG – Wolfcamp Horizontal Location

BHL

Producing Wolfcamp Wells

+

Data point

~

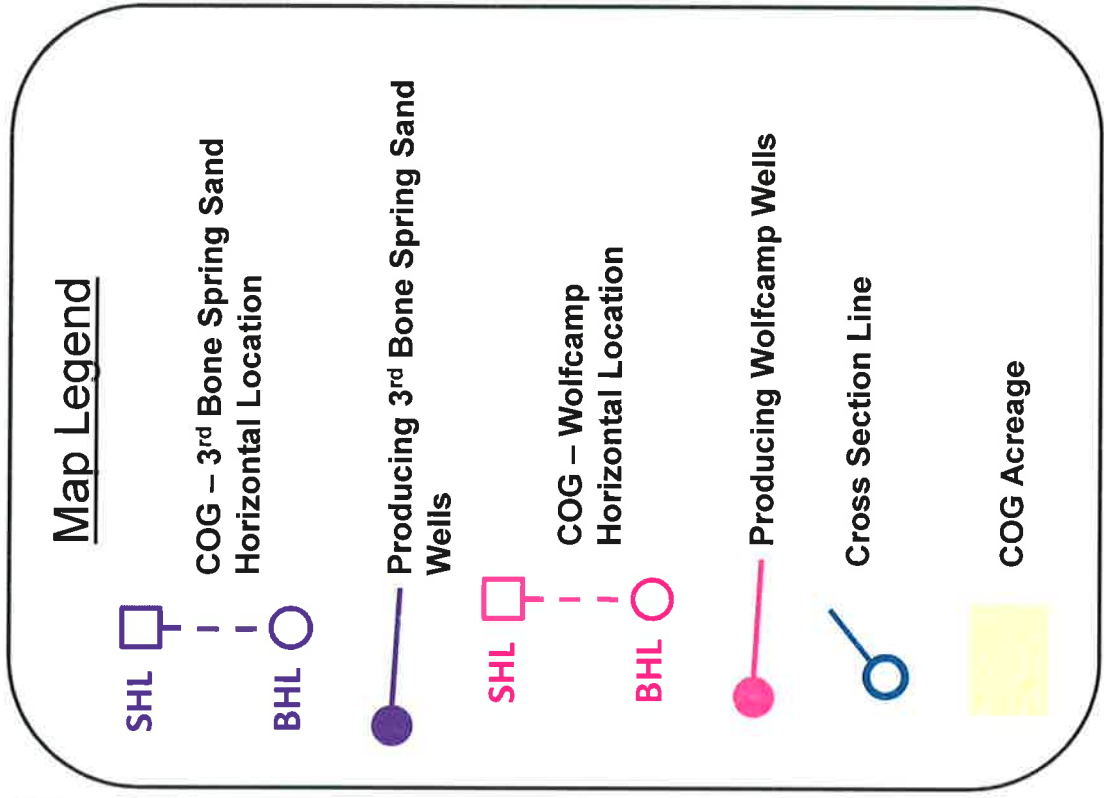
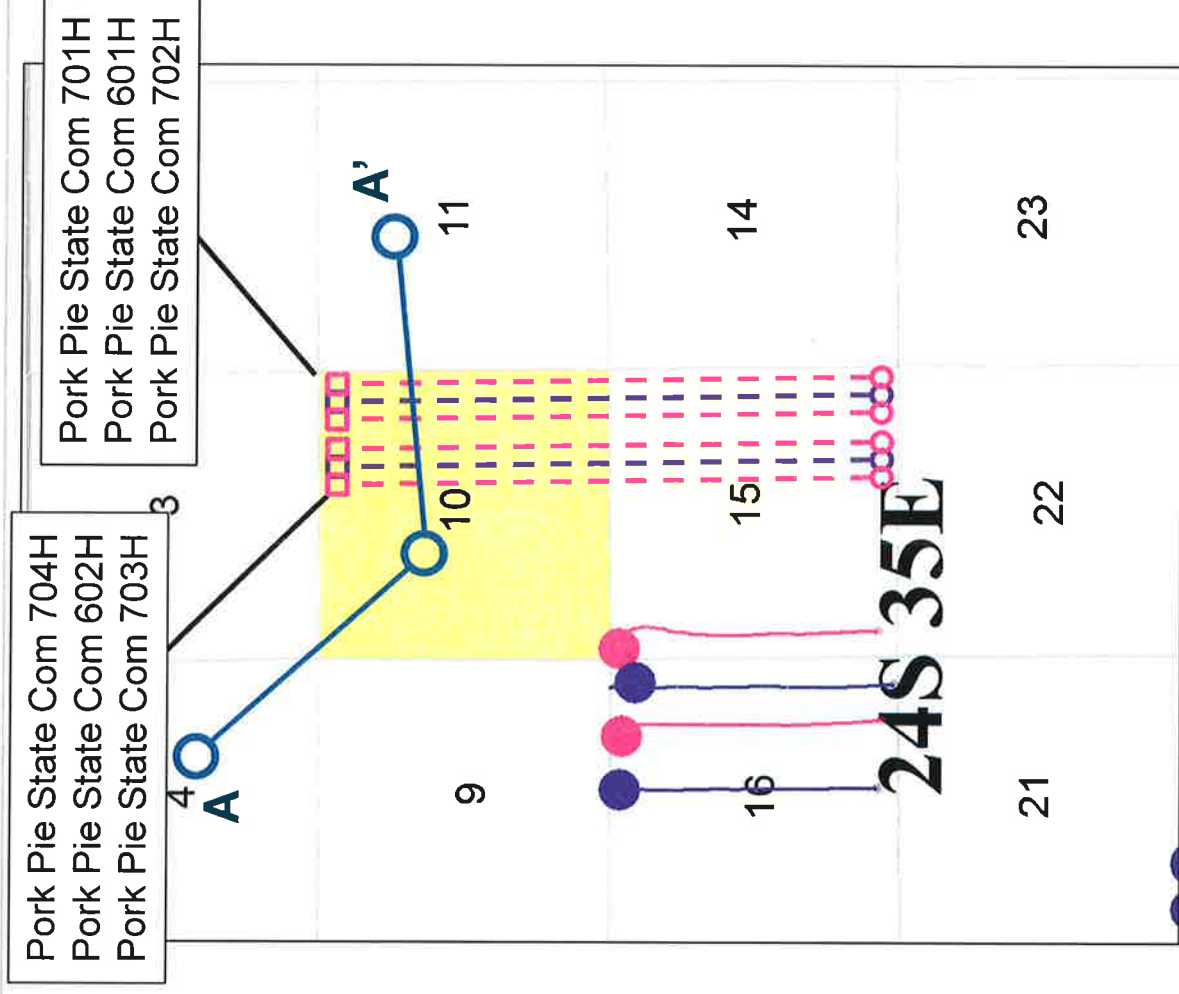
Wolfcamp Subsea Structure  
CI: 100'

COG Acreage

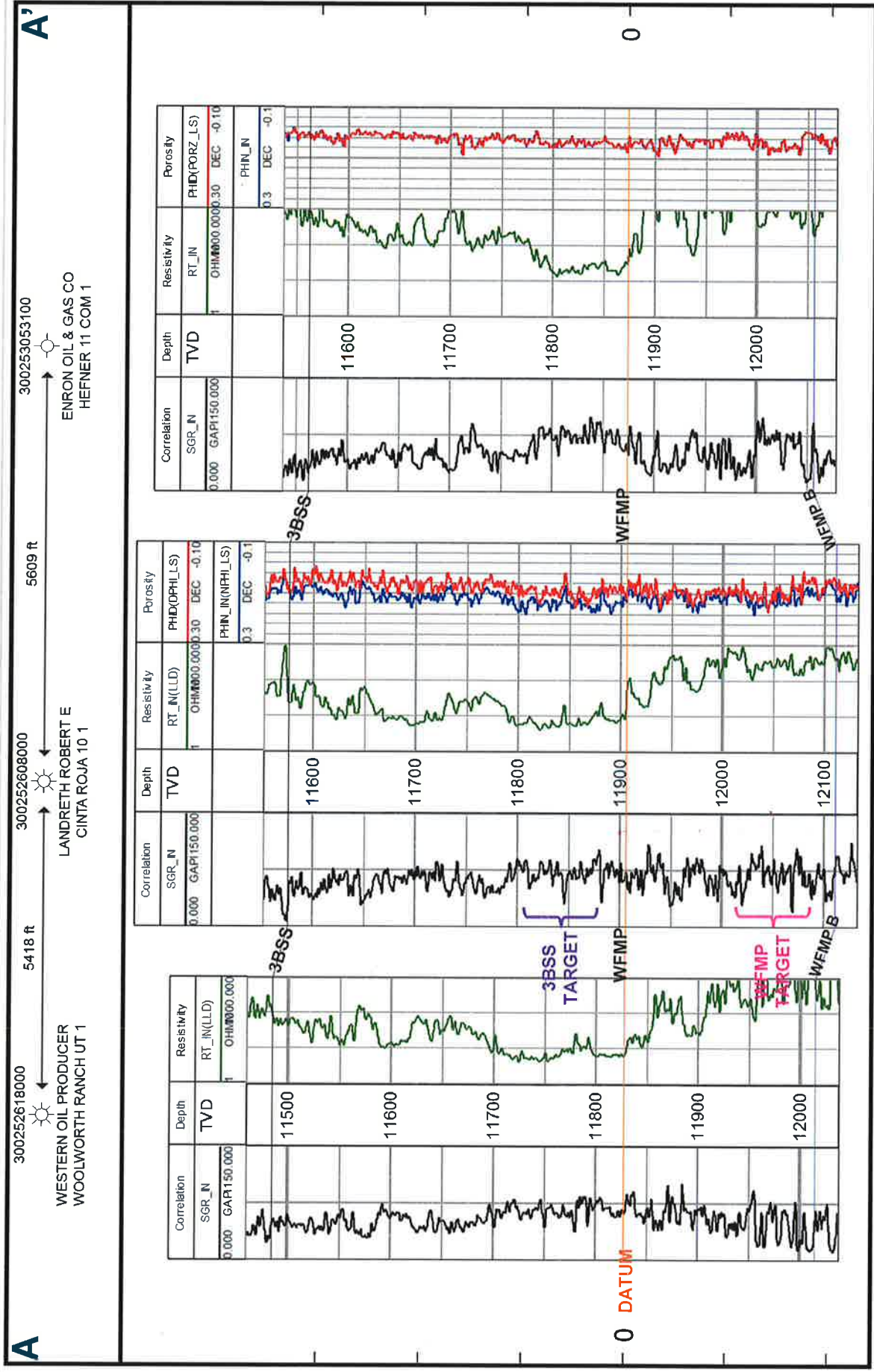


# Bone Spring Pool, Wolfcamp Pool

## Pork Pie State Com 601H, 602H, 701H, 702H, 703H, 704H



# Stratigraphic Cross Section A – A'



**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION**


**APPLICATION OF COG OPERATING LLC  
FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO**

**CASE NOS. 20074, 20075, 20076, 20077**


**AFFIDAVIT**

STATE OF NEW MEXICO   )  
  ) ss.  
COUNTY OF SANTA FE   )

Julia Broggi, attorney in fact and authorized representative of COG Operating, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.

  
\_\_\_\_\_  
Julia Broggi

SUBSCRIBED AND SWORN to before me this 17th day of April 2019 by Julia Broggi.

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

My Commission Expires:

  
August 24, 2021  
12375155 / 1

HOLLAND & HART<sup>LLP</sup>



**Adam G. Rankin**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 983-6043  
agrakin@hollandhart.com

February 1, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 601H Well**

Ladies & Gentlemen:

This letter is to advise you that OXY USA Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on February 21, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Matt Solomon at (432) 685-4352 or [MSolomon@concho.com](mailto:MSolomon@concho.com).

Sincerely,

Adam G. Rankin

**ATTORNEY FOR COG OPERATING LLC**

**HOLLAND & HART** LLP



**Adam G. Rankin**

**Associate**

**Phone** (505) 988-4421

**Fax** (505) 983-6043

[agrankin@hollandhart.com](mailto:agrankin@hollandhart.com)

February 1, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 602H Well**

Ladies & Gentlemen:

This letter is to advise you that OXY USA Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on February 21, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,

Adam G. Rankin

**ATTORNEY FOR COG OPERATING LLC**

**HOLLAND & HART** LLP



**Adam G. Rankin**  
**Associate**

**Phone** (505) 988-4421

**Fax** (505) 983-6043

[agrankin@hollandhart.com](mailto:agrankin@hollandhart.com)

February 1, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 701H Well**  
**Pork Pie State Com No. 702H Well**

Ladies & Gentlemen:

This letter is to advise you that OXY USA Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on February 21, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,

Adam G. Rankin

**ATTORNEY FOR COG OPERATING LLC**





**Adam G. Rankin**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 983-6043  
agrarkin@hollandhart.com

February 1, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

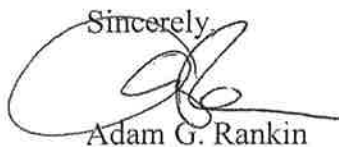
**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 703H Well**  
**Pork Pie State Com No. 704H Well**

Ladies & Gentlemen:

This letter is to advise you that OXY USA Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on February 21, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,  
  
Adam G. Rankin

**ATTORNEY FOR COG OPERATING LLC**





## Shipment Confirmation Acceptance Notice

### A. Mailer Action

**Note to Mailer:** The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

COG Pork Pie x 6 wells  
CM# 51500.0010  
Tumbler mailing

Shipment Date: 02/01/2019

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	1
Total	1

\*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive Individual processing and acceptance scans.

### B. USPS Action

Note to RSS Clerk:

1. Home screen > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.  
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0012 5196 50



## Firm Mailing Book For Accountable Mail

[illegible]

## Pieces

Search for:

Go

Advanced

Between

01/25/2019

And

02/08/2019

Clear Job Filter: 92750901193562000012519650

Barcode	Recipient	Status	Custom	User / Profile	Location / Department	Job ID
9214890194038378101219	Tumbler Energy Partners LLCeard Operating LLC ATTN: Chris Gonzales PO BOX 50938 Midland TX 79710	Delivered Signature Received	Ref#: C1199568.6864442 RetRef#:	clwetzsteon@hollandhart.com Label 8.5 x 11 (flat env)		1199568

1

20

items per page

1 - 1 of 1 items

HOLLAND & HART LLP



**Jordan L. Kessler**  
**Associate**

**Phone** (505) 988-4421

**Fax** (505) 983-6043

**jlkessler@hollandhart.com**

January 25, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.  
Pork Pie State Com No. 601H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on February 7, 2019. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**

HOLLAND & HART<sup>LLP</sup>



**Jordan L. Kessler**  
**Associate**

**Phone** (505) 988-4421

**Fax** (505) 983-6043

[jlkessler@hollandhart.com](mailto:jlkessler@hollandhart.com)

January 25, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.  
Pork Pie State Com No. 602H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on February 7, 2019. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**



January 25, 2019

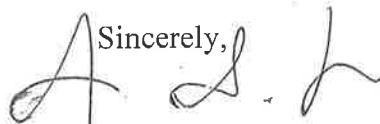
**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED****TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS****Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.****Pork Pie State Com No. 701H Well****Pork Pie State Com No. 702H Well**

Ladies &amp; Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on February 7, 2019. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,  


Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**



January 25, 2019

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**

**Pork Pie State Com No. 703H Well**

**Pork Pie State Com No. 704H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on February 7, 2019. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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Sincerely,

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**



## Shipment Confirmation Acceptance Notice

### A. Mailer Action

**Note to Mailer:** The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

COG - Pork Pie x 4  
CM# 51500.0010  
Notice Mailing to Tumbler Energy Partners

Shipment Date: 01/24/2019

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	1
Total	1

\*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

### B. USPS Action

Note to RSS Clerk:

1. Home screen > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.  
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0012 3691 63





## Firm Mailing Book For Accountable Mail

[illegible]

HOLLAND & HART<sup>LLP</sup>



**Jordan L. Kessler**

**Associate**

**Phone** (505) 988-4421

**Fax** (505) 983-6043

[jlkessler@hollandhart.com](mailto:jlkessler@hollandhart.com)

October 26, 2018

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.  
Pork Pie State Com No. 601H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on November 15, 2018. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter please contact Matt Solomon at (432) 685-4352 or [MSolomon@concho.com](mailto:MSolomon@concho.com).

Sincerely,

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**

**Holland & Hart<sup>LLP</sup>**

**Phone** (505) 988-4421 **Fax** (505) 983-6043 **www.hollandhart.com**

110 North Guadalupe Suite 1 Santa Fe, New Mexico 87501 **Mailing Address** P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Boulder Carson City Colorado Springs Denver Denver Tech Center Billings Boise Cheyenne Jackson Hole Las Vegas Reno Salt Lake City Santa Fe Washington, D.C. ♻



October 26, 2018

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED****TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS****Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.  
Pork Pie State Com No. 602H Well**

Ladies &amp; Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on November 15, 2018. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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If you have any questions about this matter please contact Matt Solomon at (432) 685-4352 or MSolomon@concho.com.

Sincerely,

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**



**Jordan L. Kessler**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 983-6043  
jlkessler@hollandhart.com

October 26, 2018

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 701H Well**  
**Pork Pie State Com No. 702H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on November 15, 2018. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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If you have any questions about this matter please contact Matt Solomon at (432) 685-4352 or MSolomon@concho.com.

Sincerely,

A handwritten signature in dark ink, appearing to read "J L K", written over a horizontal line.

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**



**Jordan L. Kessler**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 983-6043  
jlkessler@hollandhart.com

October 26, 2018

**VIA CERTIFIED MAIL**  
**CERTIFIED RECEIPT REQUESTED**

**TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Application of COG Operating LLC for compulsory pooling, Lea County,  
New Mexico.**  
**Pork Pie State Com No. 703H Well**  
**Pork Pie State Com No. 704H Well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on November 15, 2018. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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If you have any questions about this matter please contact Matt Solomon at (432) 685-4352 or MSolomon@concho.com.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. Kessler", written over the printed name.

Jordan L. Kessler

**ATTORNEY FOR COG OPERATING LLC**

**Holland & Hart LLP**

**Phone** (505) 988-4421 **Fax** (505) 983-6043 **www.hollandhart.com**

110 North Guadalupe Suite 1 Santa Fe, New Mexico 87501 **Mailing Address** P.O. Box 2208 Santa Fe, NM 87504-2208

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A		B	D	F	G	I	J	K
MailClass	TrackingNo	TransactionDate	ToName	DeliveryAddress	City	State	Zip	
1	Certified with Return Receipt (Signature)	9414810898765020658863	10/26/2018	Energen Resources Corporation	605 Richard Arrington Jr Blvd N	Birmingham	AL	35203
2	Certified with Return Receipt (Signature)	9414810898765020658870	10/26/2018	Devon Energy Production	333 W Sheridan Ave	Oklahoma City	OK	73102
3	Certified with Return Receipt (Signature)	9414810898765020658887	10/26/2018	James R Jackson	3100 River Bend Drive	Hurst	TX	76054
4	Certified with Return Receipt (Signature)	9414810898765020658894	10/26/2018	White Living Trust c/o Cathy Brunicardi	PO Box 300	Weesatche	TX	77993
5	Certified with Return Receipt (Signature)	9414810898765020658900	10/26/2018	Chilmark Properties LLC c/o robert Landreth	110 W Louisiana Suite 404	Midland	TX	79701
6	Certified with Return Receipt (Signature)	9414810898765020658917	10/26/2018	Crownrock Minerals LP	PO Box 51933	Midland	TX	79710
7	Certified with Return Receipt (Signature)							

N		R	U
1	MailDate	ERR_SigDate	USPS_Status
2	10/26/2018	10/30/2018	Your item was delivered to an individual at the address at 2:10 pm on October 29, 2018 in BIRMINGHAM, AL 35203.
3	10/26/2018	10/30/2018	Your item was delivered at 7:57 am on October 29, 2018 in OKLAHOMA CITY, OK 73102.
4	10/26/2018	11/02/2018	Your item was delivered at 12:04 pm on October 30, 2018 in HURST, TX 76054.
5	10/26/2018	11/02/2018	Your item was delivered at 9:13 am on October 31, 2018 in WEESATCHE, TX 77993.
6	10/26/2018	10/30/2018	Your item was delivered to an individual at the address at 10:35 am on October 29, 2018 in MIDLAND, TX 79701.
7	10/26/2018	11/07/2018	Your item was delivered at 12:23 pm on November 6, 2018 in MIDLAND, TX 79705.