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

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

**CASE NO. 24286** 

### EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Macie Valles
A-1	Resume of Macie Valles
A-2	Application & Proposed Notice of Hearing
A-3	C-102s
A-4	Plat of Tracts, Tract Ownership, Applicable Lease Numbers, Unit Recapitulation, Pooled Parties
A-5	Non-Standard Spacing Unit Plat
A-6	Sample Well Proposal Letter & AFEs
A-7	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Shariva Darmaoen
B-1	Resume of Shariva Darmaoen
B-2	Location Map
B-3	Subsea Structure Map
B-4	Cross Section Map
B-5	Stratigraphic Cross Section
Exhibit C	Self-Affirmed Statement of Dana S. Hardy
C-1	Sample Notice Letter to All Interested Parties
C-2	Chart of Notice to All Interested Parties
C-3	Copies of Certified Mail Receipts and Returns
C-4	Affidavit of Publication for March 10, 2024

### **COMPULSORY POOLING APPLICATION CHECKLIST**

### ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 24286	APPLICANT'S RESPONSE
Date: July 30, 2024	
Applicant	COG Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	COG Operating, LLC (OGRID No. 229137)
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of COG Operating LLC for Compulsory Pooling and Approval of
	Non-Standard Spacing Unit, Eddy County, New Mexico.
Entries of Appearance/Intervenors:	XTO Energy, Inc.
Well Family	Thunderdome
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	WC23S30E; Wolfcamp (Gas) (Code 98358)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	1,600 acres
Building Blocks:	quarter-quarter
Orientation:	South to North
Description: TRS/County	Sections 11, 14, and the N/2 of Section 23, Township 23 South, Range 30 East,
	Eddy County, New Mexico.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	No. COG is seeking approval of a non-standard spacing unit.
and is approval of non-standard unit requested in this	
application?	
Other Situations	
Depth Severance: Y/N. If yes, description	No.
Proximity Tracts: If yes, description	No.
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-4
Well(s)	
Name & API (if assigned), surface and bottom hole location,	Add wells as needed
footages, completion target, orientation, completion status	
(standard or non-standard)	
Well #1	Thunderdome Fed Com 701H (API # pending)
	SHL: 2210' FSL & 1492' FWL (Unit K), Section 23, T23S-R30E
	BHL: 50' FNL & 330' FWL (Unit D), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,350' TVD)
Well #2	Thunderdome Fed Com 702H (API # pending)
Well #2	SHL: 2210' FSL & 1522' FWL (Unit K), Section 23, T23S-R30E
	BHL: 50' FNL & 843' FWL (Unit D), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11, 120 TVD)
Well #3	Thunderdome Fed Com 703H (API # pending)
weii #5	SHL: 2210' FSL & 1552' FWL (Unit K), Section 23, T23S-R30E
	BHL: 50' FNL & 1356' FWL (Unit C), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,350' TVD)
Well #4	
well #4	Thunderdome Fed Com 704H (API # pending) SHL: 2210' FSL & 1582' FWL (Unit K), Section 23, T23S-R30E
	BHL: 50' FNL & 1869' FWL (Unit C), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,180' TVD)
Well #5	Thunderdome Fed Com 705H (API # pending)
	SHL: 2210' FSL & 1612' FWL (Unit K), Section 23, T23S-R30E
	BHL: 50' FNL & 2382' FWL (Unit C), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,350' TVD)

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Well #6	Thunderdome Fed Com 706H (API # pending)
	SHL: 2275' FSL & 2414' FEL (Unit J), Section 23, T23S-R30E
	BHL: 50' FNL & 2385' FEL (Unit B), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,180' TVD)
Well #7	Thunderdome Fed Com 707H (API # pending)
	SHL: 2275' FSL & 2384' FEL (Unit J), Section 23, T23S-R30E
	BHL: 50' FNL & 1872' FEL (Unit B), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,350' TVD)
Well #8	Thunderdome Fed Com 708H (API # pending)
	SHL: 2275' FSL & 2354' FEL (Unit J), Section 23, T23S-R30E
	BHL: 50' FNL & 1359' FEL (Unit B), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,180' TVD)
Well #9	Thunderdome Fed Com 709H (API # pending)
	SHL: 2275' FSL & 2324' FEL (Unit J), Section 23, T23S-R30E
	BHL: 50' FNL & 846' FEL (Unit A), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,350' TVD)
Well #10	Thunderdome Fed Com 710H (API # pending)
	SHL: 2275' FSL & 2294' FEL (Unit J), Section 23, T23S-R30E
	BHL: 50' FNL & 330' FEL (Unit A), Section 11, T23S-R30E
	Completion Target: Wolfcamp (Approx. 11,180' TVD)
AFE Capex and Operating Costs	<u> </u>
Drilling Supervision/Month \$	\$8,000 \$800
Production Supervision/Month \$	
Justification for Supervision Costs	Exhibit A-6 200%
Requested Risk Charge	200%
Notice of Hearing	Exhibit A-1
Proposed Notice of Hearing Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibits C-1, C-2, C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
If approval of Non-Standard Spacing Unit is requested, Tract	
List (including lease numbers and owners) of Tracts subject to	
notice requirements.	Exhibit A-5
Pooled Parties (including ownership type)	Exhibit A-4
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above &	
below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-6
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-7
Overhead Rates In Proposal Letter	Exhibit A-6
Cost Estimate to Drill and Complete	Exhibit A-6
Cost Estimate to Equip Well	Exhibit A-6
Cost Estimate for Production Facilities	Exhibit A-6
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-2
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-5
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-4

General Location Map (including basin)	Exhibit B-2
Well Bore Location Map	Exhibit B-2
Structure Contour Map - Subsea Depth	Exhibits B-3
Cross Section Location Map (including wells)	Exhibit B-4
Cross Section (including Landing Zone)	Exhibit B-5
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information prov	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	7/24/2024

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

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

CASE NO. 24286

### SELF-AFFIRMED STATEMENT OF MACIE VALLES

1. I am a Land Negotiator for COG Operating LLC ("COG"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have not previously testified before the New Mexico Oil Conservation Division ("Division"). I have a Bachelor's degree in Energy Management from the University of Oklahoma. A copy of my resume is attached as **Exhibit A-1**.

2. I am familiar with the land matters involved in the above-referenced case. Copies of COG's application and proposed hearing notice are attached as **Exhibit A- 2**.

3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit, therefore I do not expect any opposition at hearing.

4. COG seeks an order: (1) establishing a 1,600-acre, more or less, non-standard horizontal spacing unit comprised of Sections 11, 14, and the N/2 of Section 23, Township 23 South, Range 30 East, Eddy County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Wolfcamp formation underlying the Unit.

5. The Unit will be dedicated to the following wells ("Wells"):

a. Thunderdome Federal Com #701H and Thunderdome Federal Com #702H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11;

COG Operating LLC Case No. 24286 Exhibit A

- b. Thunderdome Federal Com #703H, Thunderdome Federal Com #704H, and Thunderdome Federal Com #705H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11;
- c. Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, and Thunderdome Federal Com #708H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; and
- d. Thunderdome Federal Com #709H and Thunderdome Federal Com #710H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11.
- 6. The proposed Wells will be completed in the Wolfcamp (Gas) Pool (Code 98358).
- 7. The completed interval of the Wells will be orthodox.
- 8. **Exhibit A-3** contains the C-102s for the Wells.

9. **Exhibit A-4** contains a plat identifying ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests COG seeks to pool highlighted in yellow.

10. COG has conducted a diligent search of all county public records including phone directories and computer databases, as well as internet searches, to locate the interest owners it seeks to pool.

11. Exhibit A-5 is a map that depicts the non-standard spacing unit in relation to the

12. outline of a standard spacing unit. The map also identifies the interest owners in the tracts surrounding the proposed Unit, who were provided notice of COG's application.

13. COG's request for approval of a non-standard spacing unit will allow it to consolidate surface facilities and will consequently prevent surface, environmental, and economic waste. As a result, approval of a non-standard spacing unit is necessary to prevent waste and protect correlative rights.

14. **Exhibit A-6** contains a sample well proposal letter and AFEs sent to the working interest owners for the Wells. The estimated costs reflected on the AFEs are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.

15. In my opinion, COG made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the chronology of contact described in **Exhibit A-7**.

16. COG requests overhead and administrative rates of \$8,000 per month while the Well is being drilled and \$800 per month while the Wells is producing. These rates are fair and are comparable to the rates charged by COG and other operators in the vicinity.

17. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

18. In my opinion, the granting of COG's application for compulsory pooling and approval of a non-standard spacing unit would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

19. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of

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perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Mai Vally Macie Valles

<u>3/25/2024</u> Date

# Macie S. Valles

2210 Shell Ave., Midland, TX 79705 (214) 926-6924 Macie.Valles@conocophillips.com

# Experience

### **ConocoPhillips Company (Midland, TX)**

### Associate Land Negotiator

- Effectively collaborating with Geologists, Reservoir engineers, and other corporate functions to develop drilling plans and stay ahead of the drilling schedule, while managing title brokers, surveyors, and title attorneys assisting in upcoming projects.
- Actively working with Operations Engineers to monitor down wells and effectively communicating with the New Mexico State Land Office and Bureau of Land Management to maintain the leases and Communitization agreements.
- Identified leases at risk in Eddy County and constructed a list of the wells holding these leases. I also included production totals and net income from 2022-2023 from these wells to allow the asset team to identify areas that require attention.

### Land Negotiator Intern

- Worked with the Midland Basin Asset team to construct development plans that would increase COP's working interest in 25 wells.
- Created a map of the Texas Railroad Commission leases in Midland Basin to allow these leases to be easily identified and aid the Land and Regulatory groups in the permitting process.

### Matador Resources (Dallas, TX)

Land Intern

- Assisted in preparing well proposals, Communitization agreements, and operating agreements.
- Traveled to Carlsbad, NM to meet with the Bureau of Land Management and discuss future development plans.

# **Professional Affiliations**

American Association of Professional Landmen	2020 – Present
Member	
Permian Basin Landmen's Association	2023 – Present
Member	

# Education

The University of Oklahoma – Norman, Oklahoma

Bachelor of Business Administration: Energy Management with a Minor in Finance

Graduated: May 2023

COG Operating LLC Case No. 24286 Exhibit A-1

May 2022 - Present

June 2023 – Present

May 2022 – August 2022

May 2021 – July 2021

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

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO.

**CASE NO. 24286** 

#### **APPLICATION**

In accordance with NMSA 1978, § 70-2-17 and NMAC 19.15.16.15(B)(5), COG Operating LLC ("COG" or "Applicant"), through its undersigned attorneys, files this application with the Oil Conservation Division ("Division") seeking an order: (1) establishing a 1,600-acre, more or less, non-standard horizontal spacing unit comprised of Sections 11, 14, and the N/2 of Section 23, Township 23 South, Range 30 East, Eddy County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Wolfcamp formation underlying the Unit. In support of this application, COG states the following.

1. Applicant (OGRID No. 229137) is a working interest owner in the Unit and has the right to drill thereon.

- 2. Applicant seeks to dedicate the Unit to the following proposed wells ("Wells"):
  - a. Thunderdome Federal Com #701H and Thunderdome Federal Com #702H,
     which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of
     Section 23 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11;
  - b. Thunderdome Federal Com #703H, Thunderdome Federal Com #704H, and Thunderdome Federal Com #705H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11;

COG Operating LLC Case No. 24286 Exhibit A-2

- c. Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, and Thunderdome Federal Com #708H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; and
- d. Thunderdome Federal Com #709H and Thunderdome Federal Com #710H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11.
- 3. The completed intervals of the Wells will be orthodox.

4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all of the interest owners in the Unit.

5. The pooling of interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

6. Approval of a non-standard horizontal spacing unit is necessary to prevent waste and protect correlative rights.

7. In order to permit Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in the Unit should be pooled and Applicant should be designated the operator of the proposed horizontal wells and the Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on April 4, 2024, and, after notice and hearing as required by law, the Division enter an order:

A. Approving a non-standard horizontal spacing unit;

B. Pooling all uncommitted interests in the Unit;

C. Approving the initial wells in the Unit;

- D. Designating Applicant as the operator of the Unit and the horizontal wells to be drilled thereon;
- E. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- F. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- G. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HINKLE SHANOR LLP

<u>/s/ Dana S. Hardy</u> Dana S. Hardy Jaclyn M. McLean P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 Facsimile: (505) 98208623 dhardy@hinklelawfirm.com jmclean@hinklelawfirm.com *Counsel for COG Operating LLC* 

Application of COG Operating LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Eddy County, New Mexico. COG Operating LLC ("Applicant") seeks an order: (1) establishing a 1,600-acre, more or less, non-standard horizontal spacing unit comprised of Sections 11, 14, and the N/2 of Section 23, Township 23 South, Range 30 East, Eddy County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Wolfcamp formation underlying the Unit. Applicant seeks to dedicate the Unit to the following proposed wells ("Wells"): Thunderdome Federal Com #701H and Thunderdome Federal Com #702H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; Thunderdome Federal Com #703H, Thunderdome Federal Com #704H, and Thunderdome Federal Com #705H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11; Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, and Thunderdome Federal Com #708H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; and Thunderdome Federal Com #709H and Thunderdome Federal Com #710H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Applicant as operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 14.4 miles east of Loving, New Mexico.

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istrict I	11.11. 3.3.	6 002 40			State	of New	v Mexico				Form C-102		
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<sup>1</sup> A	PI Numbe	r		<sup>2</sup> Poo	l Code			<sup>3</sup> Pool Na	ime				
30-015-				983	358	58 WC23S30E; Wolfcamp (Gas)							
<sup>4</sup> Property C	ode	<sup>5</sup> Property Name								<sup>6</sup> Well Number			
				THUNDERDOME FED COM							701H		
<sup>7</sup> ogrid n 229137	Ňo.			COG	<sup>*</sup> Operating	Derator Nar	me			<sup>9</sup> Elevation			
229137				000							3,250.67'		
UL or lot no.	Section	Townshi	Den av	Lot I			_ocation North/South line	Feet from the	East/W		Country		
K	<b>23</b>	23-S			2,21		SOUTH	1,492'	WE		County EDDY		
			uВ	ottorr	n Hole Lo	cation	If Differer	nt From Su	urface		·		
UL or lot no.	Section	Township	p Range	Lot I	dn Feet fro	m the	North/South line	Feet from the	East/W	est line	County		
D	11	23-S	30-E		50	•	NORTH	330'	WE	ST	EDDY		
Dedicated Acres	<sup>13</sup> Joint o	r Infill	<sup>14</sup> Consolidation Com	on Code	<sup>15</sup> Order No.	I			1				



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District I	TT-LL-ND	State of New Mexico								Form C-102	
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District IV 220 S. St Francis D						outh St. Francis D	r.			AMENDED REPORT	
hone: (505) 476-34	·		2		Santa	Fe, NM 87505					
		W	'ELL LO	CATI	ON AND A	ACREAGE DEDI	CATION PL	AT			
<sup>1</sup> A	PI Numbe				l Code		<sup>3</sup> Pool Na				
30-015	-		98358 WC23S30E; Wolfcamp (Ga						5)		
<sup>4</sup> Property C	ode		<sup>5</sup> Property Name <sup>6</sup>							<sup>6</sup> Well Number	
						702H					
<sup>7</sup> OGRID N	No.	-			<sup>8</sup> Oj	perator Name			<sup>9</sup> Elevation		
229137					COG Operat	ing LLC				3,250.52'	
					10 Sur	face Location		5	47		
UL or lot no.	Section	Townshi	p Range	Lot 1	dn Feet from	the North/South line	Feet from the	East/W	est line	County	
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			11	ottom	n Hole Loo	cation If Differe	ent From Si	urfece			
UL or lot no.	Section	Townshi	p Range	Lot 1	dn Feet from	the North/South line	Feet from the	East/W	est line	County	
D	11	23-S	30-E		50'	NORTH	843'	WE	EST	EDDY	
<sup>2</sup> Dedicated Acres	13 Joint of	r Infill	<sup>14</sup> Consolidatio	n Code	<sup>15</sup> Order No.	-					
1600	1										



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Pistrict I	TT 11 NTM	State of New Mexico									Form C-102	
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1 S. First St., Arte istrict III				(	DIL CONSE	RVATION I	DIVIS	ION		Submit c	one copy to appropriate	
00 Rio Brazon Ro istrict IV	oad, Artec, N	JM 87410			1220 Sc	outh St. Franc	is Dr.				District Office	
20 S. St Francis D none: (505) 476-34	/		2		Santa	Fe, NM 875	05				AMENDED REPORT	
		W	ELLLO	)CAT]	ION AND A	ACREAGE D	EDIC	ATION PL	٩T			
<sup>1</sup> A	API Number				ol Code			<sup>3</sup> Pool Na				
30-015	5-			98358 WC23S30E; Wolfcamp (						)		
<sup>4</sup> Property C	Code		<sup>5</sup> Property Name							<sup>6</sup> Well Number		
					THUNDE	RDOME FED C	ЮМ			703H		
<sup>7</sup> OGRID N	No.			0		perator Name				<sup>9</sup> Elevation		
229137				C	OG Operatii	ng LLC					3,250.36'	
					™ Sur	face Locati	on					
UL or lot no.	Section	Townshi	p Range	Lot	Idn Feet fron	the North/Sout	th line	Feet from the	East/W	est line	County	
K	23	23-S	30-E		2,21	o' sou	тн	1,552'	WE	ST	EDDY	
			11 🖯	otton	n Hole Loo	cation If Di	fferen	it From Su	urface			
UL or lot no.	Section	Townshi	p Range	Lot	Idn Feet from	the North/Sout	th line	Feet from the	East/W	est line	County	
С	11	23-S	30-E		50'	NOR <sup>-</sup>	тн	1,356'	WE	ST	EDDY	
			<sup>14</sup> Consolidati	on Codo	<sup>15</sup> Order No.	•					•	
<sup>2</sup> Dedicated Acres	<sup>13</sup> Joint of	r Infill	·· Consolidati	on Coue	Order No.							



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District I	11.1.1. ND	State of New Mexico								Form C-102	
1625 N. French Dr., District II			Ene	rgy, Mi	nerals & ?	Natural Resource	s Department	t	R	evised August 1, 2011	
811 S. First St., Arte District III 1000 Rio Brazon Ro District IV 1220 S. St Francis D	ad, Artec, N r., NM 875	NM 87410 05		OIL		_	ne copy to appropriate District Office AMENDED REPORT				
Phone: (505) 476-34	100 Fax (50	,				Fe, NM 87505 CREAGE DEDI		۸T			
1 A	PI Numbe			<sup>2</sup> Pool Co		CREACE DEDI	<sup>3</sup> Pool Na				
30-015-	ITI Numbe	ſ		98358		WC23	np (Gas)				
<sup>4</sup> Property C	ode		<sup>5</sup> Property Name							<sup>6</sup> Well Number	
					THUNDER	DOME FED COM			704H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Opt	erator Name		-	<sup>9</sup> Elevation		
229137				C	<b>OG O</b> perati	ng LLC			3,250.78'		
					10 Surf	ace Location		5	4		
UL or lot no. K	Section 23	Township 23-S	Range 30-E	Lot Idn	Feet from t		Feet from the 1,582'	East/W	est line EST	County EDDY	
			11 <b>B</b> O	ttom F	lole Loc	ation If Differe	nt From Su	urfece			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the North/South line	Feet from the	East/W	est line	County	
С	11	23-S	30-E		50'	NORTH	1,869'	WE	ST	EDDY	
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint o	r Infill	Consolidation	Code <sup>15</sup> C	Drder No.	t					
1600			Com								



Received by OCI	D: 7/24/2	2024 3:38:2	2 PM							Page 18 of 9	
District I	TT.LL. NB	6 992 40				Form C-102					
1625 N. French Dr., District II 811 S. First St., Arter District III 1000 Rio Brazon Ro District IV	sia, NM 88 ad, Artec, N	210 NM 87410	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.						Submit of	evised August 1, 2011 ne copy to appropriate District Office	
1220 S. St Francis D. Phone: (505) 476-34	,				Santa	Fe, NM 87505				MENDED REPORT	
1 5		WEI	L LOC	CATIO	N AND A	CREAGE DED	CATION PL	AT			
<sup>1</sup> A	PI Numbe	r		<sup>2</sup> Pool C	Code		<sup>3</sup> Pool Na				
30-015-				9835	58	N	VC23S30E; Wo	lfcamp (	Gas)		
<sup>4</sup> Property C	ode				<sup>5</sup> Pro	erty Name			<sup>6</sup> Well Number		
					THUNDER	DOME FED COM			705H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Ope	rator Name			<sup>9</sup> Elevation		
229137				C	COG Operatio	ig LLC			3,251.20'		
2 <del>7</del>					10 Surf	ce Location		5			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from t	ne North/South line	Feet from the	East/W	est line	County	
K	23	23-S	30-E	2	2,210	SOUTH	1,612'	WE	ST	EDDY	
2 82			<b>n B</b> O	ttom	Hole Loc	tion If Differe	ent From Si	urface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from t	ne North/South line	Feet from the	East/W	est line	County	
C	11	23-S	30-E		50'	NORTH	2,382'	WE	ST	EDDY	
<sup>12</sup> Dedicated Acres 1600	<sup>13</sup> Joint o	r Infill	nsolidation Com	Code <sup>15</sup>	<sup>5</sup> Order No.	·		•			
L				<i>q</i>							



eceived by OC	D: 7/24/2	2024 3:38	8:22 PM							Page 19 of		
District I 1625 N. French Dr.	Hobbs NM	State of New Mexico								Form C-102		
District II			Ene	rgy, M	inerals & N	Natural Resource	s Departmen	t	]	Revised August 1, 2011		
811 S. First St., Art District III	, ,					<b>VATION DIVI</b>	-		Submit	one copy to appropriate District Office		
1000 Rio Brazon R District IV					1220 Sou	th St. Francis Dr	•		_			
1220 S. St Francis I Phone: (505) 476-3	,				Santa I	Fe, NM 87505				AMENDED REPORT		
		W	ELL LOC	CATIO	N AND A	CREAGE DEDI	CATION PL	AT				
	API Numbe	r		<sup>2</sup> Pool C			<sup>3</sup> Pool N					
30-015	-			98358 WC23S30E; Wolfcamp (Gas)								
<sup>4</sup> Property 0	Code				<sup>6</sup> Well Number 706H							
			THUNDERDOME FED COM									
<sup>7</sup> OGRID 229137	No.				-	rator Name			<sup>9</sup> Elevation			
229137				<u> </u>	OG Operati	•				3,257.96'		
					10 Surf							
UL or lot no.	Section	Township		Lot Idn	Feet from the		Feet from the	East/W		County		
J	23	23-S	30-E	e	2,275'	SOUTH	2,414'	EA	ST	EDDY		
			<b>11</b>	ttom I	Hole Loce	tion If Differe	nt From Si	urfece				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th	ne North/South line	Feet from the	East/W	est line	County		
B	11	23-S	30-E		50'	NORTH	2,385'	EA	ST	EDDY		
<sup>12</sup> Dedicated Acres	s <sup>13</sup> Joint o	r Infill	<sup>4</sup> Consolidation	Code 15	Order No.							
1600			Com									
No allowable the division.	will be as	signed to	this comple	tion unti	il all interests	have been consolida	ted or a non-star	ndard un	it has b	een approved by		
16	ò						ODE		CEDT			

16 ВНЦ ILTP NM0546625 NM021638 SECTION 11 С PPP5 NM0546625 PPP4 SECTION 14 PPP5 NM0546625 PPP4 SECTION 14 PPP2 C PPP2 C PP2	PEW MEXICO EAST-NAD 83 NORTH-469,844.47'           EAST:690.476.55'           LAT.32.29075378           ACALCULATE CORNER           ACALCULATE CORNER           NEW MEXICO EAST-NAD 83           PENETRATION POINT 2           1'FSL & 2,385'FEL           NORTH-472,384.22'           NAB2.959.35'           NORTH-472,384.22'           NAB2.957.37'E-632.810.98'           DEVIDER NETWORK CORST NAD 83           NORTH-472,384.22'           NAB2.957.37'E-632.810.98'           DEVID TO	"OPERATOR CERTIFICATION         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 woluntary pooling agreement or a compulsory pooling order heretofore entered by the division.         Machine United Stand Wagner       10/10/2023         Signature       Date         Stan Wagner       Printed Name         Printed Name       Date         Is SURVEYOR CERTIFICATION         I hereby certify that the well location shown on thi plat was plotted from field moles of octual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.         Date: 9/29/23
Ennorman Example and	EAST:690,426.13' LAT:32.32666635 LONG:-103.85066709	MARK J. MURRAY P.L.S. NO. 12177

obs, NM 88 NM 88210		Eno		State of	New Mexico				Form C-102	
NM 88210		Eno								
	0	LIE	rgy, Mi	nerals & N	Energy, Minerals & Natural Resources Department					
Artec, NM			OIL		VATION DIVIS	ION		Submit on	e copy to appropriate District Office	
MM 87505 Fax (505) 4					e, NM 87505			A	MENDED REPORT	
	WEL	L LOC	CATION	I AND AC	CREAGE DEDIC	ATION PLA	ΑT			
Number			<sup>2</sup> Pool Coo	de						
			98358		WC23	S30E; Wolfca	mp (Gas)	)		
				<sup>5</sup> Prope	erty Name			<sup>6</sup> Well Number		
				THUNDERD	OME FED COM			707H		
				<sup>8</sup> Oper	ator Name				<sup>9</sup> Elevation	
			CC	DG Operati	ng LLC			3	3,259.62 <b>'</b>	
				10 Surfe	ice Location		24			
ction T	ſownship	Range	Lot Idn	Feet from th	e North/South line	Feet from the	East/We	st line	County	
23	23-S	30-E		2,275'	SOUTH	2,384'	EA	ST	EDDY	
		11 <b>B</b> O	ttom F	lole Loce	tion If Differer	nt From Su	irfece		•	
ction T	ſownship	Range	Lot Idn	Feet from th	e North/South line	Feet from the	East/We	st line	County	
11	23-S	30-E		50'	NORTH	1,872'	EA	ST	EDDY	
Joint or In	nfill 14 Cor	nsolidation	Code 15 C	order No.						
		Com								
P 2 2	Number	Number Ction Township 23 23-S Ction Township 1 23-S	WELL LOC       Number     Range       23     23-S       30-E     1       23-S     30-E       1     23-S       30-E     30-E       Joint or Infill     14 Consolidation of	WELL LOCATION         Number <sup>2</sup> Pool Col         98358       98358         Colspan="2">Col         ction       Township       Range       Lot Idn         23-S       30-E       1       Bottom H         ction       Township       Range       Lot Idn         1       23-S       30-E       Joint or Infill       14 Consolidation Code       15 Col	WELL LOCATION AND AC Number <sup>2</sup> Pool Code 98358 <sup>5</sup> Prope THUNDERD <sup>8</sup> Oper COG Operatin <sup>10</sup> Surf <sup>10</sup> Surf <sup>11</sup> Sorf <sup>11</sup> Sorf <sup>11</sup> Sorf <sup>15</sup> Order No.	WELL LOCATION AND ACREAGE DEDIC         Number <sup>2</sup> Pool Code       WC23 <sup>5</sup> Property Name       5       WC23         * Property Name         THUNDERDOME FED COM <sup>8</sup> Operator Name       COG Operating LLC         * Surfece Locetion         * Sourfece Locetion         * Tormship         * Sourfece Con         * Sourfece Locetio	WELL LOCATION AND ACREAGE DEDICATION PLA         Number <sup>2</sup> Pool Code 98358 <sup>3</sup> Pool Na         * Property Name         THUNDERDOME FED COM         * Operator Name         COG Operating LLC         * Surf • C • Loc • tion         * Sourf • C • Loc • tion         * ® ottom       Feet from the       North/South line       Feet from the         23 - S       30 - E       * Soi* NORTH       * Toreter No.	WELL LOCATION AND ACREAGE DEDICATION PLAT         Number <sup>2</sup> Pool Code 98358 <sup>3</sup> Pool Name WC23S30E; Wolfcamp (Gas)         * Property Name         THUNDERDOME FED COM         * Operator Name         COG Operating LLC         * Surfece Locetion         * Surfece         * Surfece       North/South line </td <td>WELL LOCATION AND ACREAGE DEDICATION PLAT         Number       <sup>2</sup> Pool Code 98358       <sup>3</sup> Pool Name WC23S30E; Wolfcamp (Gas)         <sup>5</sup> Property Name       <sup>6</sup>         THUNDERDOME FED COM         <sup>6</sup> Operator Name       COG Operating LLC         <sup>6</sup> Our Code       <sup>6</sup> Operator Name         COG Operating LLC         <sup>10</sup> Surfece Locetion         Extreme from the 23-S       Sourfece Locetion         Township       Range       Lot Idn       Feet from the 2,275'       SOUTH       East/West line         Content of Different From Surfece         Ction       Feet from the 2,384'       EAST         Joint or Infill       I' Consolidation Code       I's Order No.</td>	WELL LOCATION AND ACREAGE DEDICATION PLAT         Number <sup>2</sup> Pool Code 98358 <sup>3</sup> Pool Name WC23S30E; Wolfcamp (Gas) <sup>5</sup> Property Name <sup>6</sup> THUNDERDOME FED COM <sup>6</sup> Operator Name       COG Operating LLC <sup>6</sup> Our Code <sup>6</sup> Operator Name         COG Operating LLC <sup>10</sup> Surfece Locetion         Extreme from the 23-S       Sourfece Locetion         Township       Range       Lot Idn       Feet from the 2,275'       SOUTH       East/West line         Content of Different From Surfece         Ction       Feet from the 2,384'       EAST         Joint or Infill       I' Consolidation Code       I's Order No.	



ceived by OC	D: 7/24/2	2024 3:3	38:22 PM							Page 21 of	
District I 625 N. French Dr., District II	Hobbs, NM	1 88240	<sup>40</sup> State of New Mexico Energy, Minerals & Natural Resources Department							Form C-102 vised August 1, 2011	
11 S. First St., Arte District III 000 Rio Brazon Ro District IV 220 S. St Francis D Phone: (505) 476-34	oad, Artec, N Dr., NM 875	NM 87410 05		OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505						e copy to appropriate District Office MENDED REPORT	
		W	ELL LO	CATI	ON AND A	CREAGE DED	DICATION PL	AT			
1 A 30-015	API Numbe	r		<sup>2</sup> Pool 9835	Code 58	W	<sup>3</sup> Pool N C23S30E; Wolfca		5)		
<sup>4</sup> Property C	Code					operty Name COME FED COM	l		<sup>6</sup> Well Number 708H		
<sup>7</sup> OGRID 1 229137					<sup>8</sup> O <sub>F</sub> COG Opera	erator Name ting LLC			<sup>°</sup> Elevation 3,261.09'		
					10 Sur	fece Location					
UL or lot no. J	Section 23	Townshi	*   °	Lot I	dn Feet from 2,275		e Feet from the 2,354'	East/W		County EDDY	
			11 BC	ttom	Hole Loc	ation If Diffe	rent From S	urfece			
UL or lot no. B	Section 11	Townshi	•   •	Lot I	dn Feet from 50'	the North/South lin NORTH	e Feet from the 1,359'	East/W		County EDDY	
<sup>12</sup> Dedicated Acres 1600	<sup>13</sup> Joint o	r Infill	<sup>14</sup> Consolidation Com	Code	<sup>15</sup> Order No.	I		1			

	Image: Section 11       1.397         Image: Section 12       1.397         Image: Section 13       1.397         Image: Section 13       1.397         Image: Section 14       1.397          Image: Section 14       1.397         Image: Section 14       1.397         Image: Section 14       1.397         Image: Section 14       1.397         Image: Section 14       1.397         Image: Section 14       1.397         Image: Section 14       1
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istrict I	Llobba NN	100710			State of N	lew Mexico				Form C-102	
25 N. French Dr., istrict II			Ene	Energy, Minerals & Natural Resources Department						Revised August 1, 201	
1 S. First St., Artes istrict III 00 Rio Brazon Ros						ATION DIVIS			Submit or	ne copy to appropriate District Office	
strict IV					1220 South	St. Francis Dr.			_		
20 S. St Francis D ione: (505) 476-34	·		2		Santa Fe	NM 87505				MENDED REPORT	
		W	ELL LOC	CATIO	N AND ACF	EAGE DEDIC	CATION PLA	٩T			
<sup>1</sup> A	PI Numbe	r		<sup>2</sup> Pool C	Code		<sup>3</sup> Pool Na	ıme			
30-01	5-			983	358	V	VC23S30E; Wo	olfcamp	(Gas)		
<sup>4</sup> Property Co	ode				<sup>5</sup> Property	v Name			<sup>6</sup> Well Number		
					THUNDERDO	ME FED COM				709H	
<sup>7</sup> OGRID N		-			<sup>8</sup> Operato					<sup>9</sup> Elevation	
229137				0	COG Operating	I LLC				3,264.95'	
					<sup>10</sup> Surfec	e Locetion					
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
J	23	23-S	30-E	2	2,275'	SOUTH	2,324'	EA	ST	EDDY	
			11	ttom	Hole Locati	on If Differer	nt From Si	urfece			
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
Α	11	23-S	30-E		50'	NORTH	846'	EA	ST	EDDY	
Dedicated Acres	<sup>13</sup> Joint o	r Infill	<sup>14</sup> Consolidation	Code <sup>15</sup>	<sup>5</sup> Order No.						
1600			Com								

	BHL BHL BHL BHL BHL BHL BHL BHL	SURFACE HOLE LOCATION/ KICK OFF POINT 2,275 FSL & 2,324 FEL NEW MEXICO EAST-NAD 83 NORTH-1469,374.10' EAST-690,540.70' LAT:32.28946003 LONG-103.86049354 FIRST TAKE POINT / PENETRATION POINT 1 2,540' FNL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-469,848.56' EAST-692,015.56' LAT:32.29074587 LONG-103.84571391 PENETRATION POINT 2 1' FSL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-472,388.44' EAST-691,998.23' LAT:32.2977267 LONG-103.84573260 PENETRATION POINT 3 1' FSL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-472,388.44' EAST-691,998.23' LAT:32.31225477 LONG-103.84570284 PENETRATION POINT 3 1' FSL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-477,673.32' EAST-691,983.39' LAT:32.31225477 LONG-103.84570284 PENETRATION POINT 4 1,321' FSL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-478,934.28' EAST-691,978.79' LAT:32.31585555 LONG-103.84569829 PENETRATION POINT 5 2,643' FNL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-480,315.25' EAST-691,974.18' LAT:32.31951692 LONG-103.84569373 LAST-691,974.18' LAT:32.32660616 LONG-103.84568479 BOTOM HOLE LOCATION 50' FNL & 846' FEL NEW MEXICO EAST-NAD 83 NORTH-482,877.89' EAST-691,965.15' LAT:32.32664360 LONG-103.84568479	CORNER COORDINATES           NEW MEXICO FAST- NAD 83           A-CALCULATED CORNER           N:429-961.73: F637.453.38'           B-FOUND IRON ROD W/ CAP           N:482.951.47: F630.132.18'           C-FOUND IRON ROD W/ CAP           N:482.951.47: F632.810.98'           D-FOUND 1" MONUMENT           N:482.951.47: F632.820.19'           E-FOUND 1" MONUMENT           N:47.674.32': F632.829.39'           F-FOUND BENT IRON ROD W/ CAP           N:47.673.21': E632.429.39'           F-FOUND BENT IRON ROD W/ CAP           N:420.315.52': E637.475.07'           H-CALCULATED CORNER,           N:420.315.52': E637.475.07'           H-CALCULATED CORNER,           N:427.533.40': E630.452.47'           N:400.100 ENT IRON ROD W/ CAP           N:427.533.40': E630.452.47'           N:400.100 ENT IRON ROD W/ CAP           N:427.533.40': E630.450.50'           N:427.533.40': E630.450.50'           N:427.335.01': E632.82'           N:427.335.01': E632.82'           N:427.335.01': E632.82'           N:427.37.40': E630.262.25'           M:427.37.40': E630.262.25'           N:426': DUND IRON ROD W/ CAP           N:426': DUND IRON ROD W/ CAP           N:426': DUND IRON ROD W/ CAP	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 miner interest in the land including the proposed bolton hole location on has a right to drill this well at this location pursuant to a contract with an own of such a mineral or working interest, or to a wolundary pooling agreement or a compulsory pooling order heretofore entered by the division.         Mark J. MURRAY P.L.S. NO. 12177
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Received by OCI	D: 7/24/2	2024 3:38:	22 PM								Page 23 of 9	
District II 811 S. First St., Arte District III 1000 Rio Brazon Ro District IV 1220 S. St Francis D	225 N. French Dr., Hobbs, NM 88240 istrict II 11 S. First St., Artesia, NM 88210 istrict III 000 Rio Brazon Road, Artec, NM 87410				State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505							
		WE	LL LOC	CATION	I AND A	ACRI	EAGE DEDIC	CATION PLA	AT			
<sup>1</sup> A	PI Numbe	r	1	<sup>2</sup> Pool Coo	le			<sup>3</sup> Pool Na	ame			
30-015	-			9835	58		WC2	23S30E; Wolfo	amp (Ga	is)		
<sup>4</sup> Property C	ode				<sup>5</sup> Pr	operty ]	Name			<sup>6</sup> Well Number		
				٦	THUNDEF	RDON	IE FED COM			710H		
<sup>7</sup> OGRID N	No.	-			<sup>8</sup> Oj	perator	Name			<sup>9</sup> Elevation		
229137				CC	DG Opera	ting	LLC			;	3,266.13'	
					10 Sur	fece	Locetion		5			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/W	est line	County	
J	23	23-S	30-E		2,275	5'	SOUTH	2,294'	EA	ST	EDDY	
			11 <b>B</b> O	ttom H	lole Loc	ontic	on If Differer	nt From Si	urface			
UL or lot no.	Section	Township	Range	Range         Lot Idn         Feet from the         North/South line         Feet from the         East						est line	County	
A	11	23-S	30-E		50'		NORTH	330'	EA	ST	EDDY	
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint o	r Infill <sup>14</sup> C	onsolidation	Code 15 O	order No.							
1600			Com									
No allowable v the division.	vill be as	signed to th	iis comple	tion until	all interes	ts hav	e been consolidate	ed or a non-star	ndard uni	t has be	en approved by	



#### THUNDERDOME FED COM (WOLFCAMP)

SEC 11, SEC 14, & N2 SEC 23, T23S-R30E 1,600 ACRES

TRACT 2 NMNM 0546625 TRACT 1 NMNM 021638 TRACT 3 NMNM 021641 SEC 11 T235-R30E TRACT 2 NMNM 0546625 TRACT 2 NMNM 0546625 TRACT 3 NMNM 021641 TRACT 5 NMNM 0532769 SEC 14 TRACT 4 T23S-R30E NMNM 0543162 TRACT 6 NMNM 0543552 TRACT 7 NMNM 114978 SEC 23 T23S-R30E

TRACT	LEASE	ACRES
TRACT 1	NMNM 021638	280.00
TRACT 2	NMNM 0546625	200.00
TRACT 3	NMNM 021641	160.00
TRACT 4	NMNM 0543162	320.00
TRACT 5	NMNM 0532769	320.00
TRACT 6	NMNM 0543552	160.00
TRACT 7	NMNM 114978	160.00
		1600.00

WORKING INTEREST OWNER	TRACT 1	TRACT 2	TRACT 3	TRACT 4	TRACT 5	TRACT 6	TRACT 7	UNIT RECAP
ConochoPhillips Company	0.17500000	0.00000000	0.10000000	0.20000000	0.20000000	0.10000000	0.05000000	0.82500000
COG Operating LLC	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.05000000	0.05000000
XTO Holdings, LLC	0.00000000	0.12500000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12500000
TOTAL:	0.17500000	0.12500000	0.10000000	0.20000000	0.20000000	0.10000000	0.10000000	1.00000000

Well Proposal Sent	YES
Communitization Agmts Sent	YES
Joint Operating Agmt Sent	YES

PARTIES TO POOL	INTEREST TYPE
XTO HOLDINGS, LLC	
ATTN: LAND DEPARTMENT	
22777 Springwoods Village Pkwy	
Spring, TX 77389	WIO, RTI
OXY USA INC.	
ATTN: LAND DEPARTMENT	
5 Greenway Plaza, Suite 110	
Houston, TX 77046	RTI, PRODUCTION PAYMENT
ADVANCE ENERGY PARTNERS HAT MESA, LLC	
11490 WESTHEIMER ROAD, SUITE 950	
HOUSTON, TX 77077	9.TI
	RTI
MRC HAT MESA, LLC	
5400 LBJ Freeway, Suite 1500	
Dallas, TX 75240	RTI
New Orleans Natural Resource Group, Inc.	
P.O. Box 24396	
New Orleans, LA 70184	PRODUCTION PAYMENT
Collins Permian, LP	
3824 CEDAR SPRINGS ROAD, SUITE 414	
DALLAS, TX 75219	PRODUCTION PAYMENT
Unknown Heirs or Devisees of Robert E. Fox, deceased	
ADDRESS UNKNOWN	ORRI
Unknown Heirs or Devisees of Mary Q. Fox, deceased	
ADDRESS UNKNOWN	ORRI
John R. Fox, as Personal Representative of the Estate of	
Mary Q. Fox	
11217 W. Scott Road	
Medina, NY 14103	ORRI
Jean Telarik Yodice	
2830 Torrance Dr.	
Land O Lakes, FL 34638	ORRI
James J. Fox	
PO Box 24008	
Santa Fe, NM 87502	ORRI
Unknown Heirs or Devisees of Jason Kellahin, deceased	
ADDRESS UNKNOWN	ORRI
	Sinti
Unknown Heirs or Devisees of Linnie Kellahin, deceased	
ADDRESS UNKNOWN	ORRI
	UNIN .
W. Thomas Kellahin, as Personal Representaive of the	
Estate of Linnie Kellahin, deceased 205 Plaza Montana	
205 Plaza Montana Santa Fe, NM 87505	OBBI
	ORRI
James R. Kellahin	
12917 Valleyheart Dr., Unit 2	
Studio City, CA 91604	ORRI
Platform Energy IV, LLC	
P.O. Box 2078	
Abilene, TX 79604	ORRI

COG Operating LLC Case No. 24286 Exhibit A-4

Weils Fargo Bank, N.A., Trustee for the John H. Burton and Mary C. Burton Revocable Trust dated July 30, 1980ORRILas Vegas, NV 89118ORRIUnknown Heirs or Devisees of Mary C. Burton, wife of John H. Burton ADDRESS UNKNOWNORRIUnknown Heirs or Devisees of Thomas Allen, deceased ADDRESS UNKNOWNORRIUnknown Heirs or Devisees of Thomas Allen, deceased ADDRESS UNKNOWNORRIUnknown Heirs or Devisees of Thomas Allen, deceased Address Revocable Trust dated 9/25/2020ORRIVB Sand Arott, a.k.a. Susan Carol Arrott, Trustee of the Arott Family Revocable Trust dated 4/8/2019ORRIPO BOX 241868ORRIUTTLE ROCK, AR 72223ORRIBlue Star Royalty LLCORRIP.O. Box 470698ORRIPort Worth, TX 75147ORRIPouglas Abel DentonORRI1501 PrincetonORRIMidland, TX 79701ORRIObuglas Abel DentonORRI1501 PrincetonORRIMidland, TX 79705ORRIOutser Star Royalty ILCORRIOutser Star Star Star Star Star Star Star Sta		I
and Mary C. Burton Revocable Trust dated July 30, 1980 6325 S. Rainbow Blvd, Ste 300 Las Yegas. NV 89118 Unknown Heirs or Devisees of Mary C. Burton, wife of John H. Burton ADDRESS UNKNOWN Cathleen Ann Adams, Trustee for the Cathleen Ann Adams Revocable Trust dated 9/25/2020 PO BOX 45807 RIO RANCHO, NM 87174 ORRI Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 45807 RIO RANCHO, NM 87174 Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 45807 RIO RANCHO, NM 87174 Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 45807 RIO RANCHO, NM 87174 Susan Arrott, a.k. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 45807 PO BOX 45807 Susan Arrott, a.k. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 45807 Susan Arrott, a.k. Susan Carol Arrott, Trustee of the PO. Box 470249 Susan Arrott, a.k. Susan Carol Arrott, Trustee of the Susan Arrott, a.k. Susan Carol Arrott, Trustee of the Susan Arrott, a.k. Susan Carol Arrott, Susan Susan Arrott, a.k. Susan Carol Arrott, Susan Susan Arrott, X.7517 ORRI Gibson Family Properties, LP, a Texas limited policiar Are Midland, X.7970 CorRI Susan Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Sus Caroles Trust under Argerement date September 8, 1999 Sus Sus Sus Sus Sus Sus Sus Sus Sus Sus	Wells Fargo Bank, N.A., Trustee for the John H. Burton	
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Unknown Heirs or Devisees of Thomas Allen, deceased ADRESS UNKNOWN Cathleen Ann Adams, Trustee for the Cathleen Ann Adams Revocable Trust dated 9/25/2020 PO BOX 45807 RIO RANCHO, NM 87174 Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019 PO BOX 241868 LITTLE ROCK, AR 72223 Blue Star Royalty LLC P.O. Box 470249 Fort Worth, TX 76147 ORRI Po, Box 470698 Fort Worth, TX 76147 ORRI Polas Abell Denton 1501 Princeton Midland, TX 79701 Rirst National Bank & Trust Co. of Okmulgee, Successor Trustee for the Patricia Boyle Young Management Trust 601 E. 8th Street P.O. Box 1707 Okmulgee, OK 74447 ORRI Gibson Family Properties, LP, a Texas limited partnership 2000 Sinclair Ave Midland, TX 79705 Richard X. 79705 Richard X. 79705 Richard X. 79705 Richard X. 79705 ORRI Richard X. 79705 ORRI Richard X. 79705 ORRI Wells Fargo Bank, N.A., Successor Trustee for Angela Leigh Simpson Startett Revocable Trust under agreement dated Septembers 8, 1999 8066 Park Lane, Unit 1611 Dallas, TX 75213 ORRI Viper Energy Partnership P.O. Box 190229 Dallas, TX 75214 Midland, TX 79701 ORRI		OBBI
ADDRESS UNKNOWN     ORRI       Cathleen Ann Adams, Trustee of the Cathleen Ann Adams Revocable Trust dated 9/25/2020     ORRI       NO RANCHO, NM 87174     ORRI       Susan Arott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019     ORRI       DO BOX 241868     ORRI       LITTLE ROCK, AR 72223     ORRI       Blue Star Royalty LLC     ORRI       Pool Box 241868     ORRI       Pegasus Resources II, LLC     ORRI       Poolgas Able Denton     ORRI       1501 Princeton     ORRI       Midland, TX 73/01     ORRI       Columities on Columnation of the Patricia Boyle Young Management Trust     ORRI       Siloson Family Properties, LP, a Texas limited partnership     ORRI       2000 North Gaines Road     ORRI       Okmulgee, OK 74447     ORRI       Obmulgee, OK 74447     ORRI       Outh Gaines Road     ORRI       Outh Gaines Road     ORRI       Dalas, TX 72905     ORRI       JADD Minerals, Ltd, a Texas limited partnership     ORRI       Jalas, TX 72901     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Jalas, TX 72901     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Joulas, TX 72901     ORRI       Julas, TX 72901		
ADDRESS UNKNOWN     ORRI       Cathleen Ann Adams, Trustee of the Cathleen Ann Adams Revocable Trust dated 9/25/2020     ORRI       NO RANCHO, NM 87174     ORRI       Susan Arott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019     ORRI       DO BOX 241868     ORRI       LITTLE ROCK, AR 72223     ORRI       Blue Star Royalty LLC     ORRI       Pool Box 241868     ORRI       Pegasus Resources II, LLC     ORRI       Poolgas Able Denton     ORRI       1501 Princeton     ORRI       Midland, TX 73/01     ORRI       Columities on Columnation of the Patricia Boyle Young Management Trust     ORRI       Siloson Family Properties, LP, a Texas limited partnership     ORRI       2000 North Gaines Road     ORRI       Okmulgee, OK 74447     ORRI       Obmulgee, OK 74447     ORRI       Outh Gaines Road     ORRI       Outh Gaines Road     ORRI       Dalas, TX 72905     ORRI       JADD Minerals, Ltd, a Texas limited partnership     ORRI       Jalas, TX 72901     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Jalas, TX 72901     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Joulas, TX 72901     ORRI       Julas, TX 72901		
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RIO RANCHO, NM 82124     ORRI       Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019     ORRI       PO BOX 241868     ORRI       LITTLE ROCK, AR 72223     ORRI       Bue Star Roysky LUC     ORRI       P.O. Box 470249     ORRI       P.O. Box 470249     ORRI       Post Worth, TX 76147     ORRI       Douglas Abell Denton     ORRI       1501 Princeton     ORRI       Midland, TX 79701     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 Starleir Ave     ORRI       Midland, TX 79705     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 North Gaines Road     ORRI       Cedar Creek, TX 78612     ORRI       Well's Fargo Bank, N.A., Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       Viper Energy Partnership     ORRI       Dalas, TX 7523     ORRI       Midland, TX 79701     ORRI       Viper Energy Partners LUC     ORRI       S00 N. Irexas, Suite 100     ORRI       Viper Energy Partners LUC     ORRI       S00 N. rexas, Suite 100		
Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019     ORRI       PO BOX 241868     ORRI       UTTLE ROCK, AR 72223     ORRI       Blue Star Royalty LLC     ORRI       P.O. Box 70249     ORRI       Port Worth, TX 75147     ORRI       Pegasus Revorces II, LLC     ORRI       Pool Box 24180     ORRI       Douglas Abell Denton     ORRI       1501 Princeton     ORRI       Midland, TX 79701     ORRI       Gibson Family Properties, LP, a Texas limited     ORRI       Obmulgee, OK 74447     ORRI       Gibson Family Properties, LP, a Texas limited     ORRI       gartnership     ORRI       2000 Sinclair Ave     ORRI       Wilshard D. Jones, Jr.     ORRI       2003 Sinclair Ave     ORRI       Wells Fargo Bank, MA, Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Utd, a Texas limited partnership     ORRI       JOBAR X 75210     ORRI       OW Texas, Suite 100     ORRI       Midland, TX 79701     ORRI       OUIsentes Royalty LP     ORRI       Sob		
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Blue Star Royalty LLC     P.O. Box 470249       P.O. Box 470249     ORRI       Pertain Start Royalty LLC     P.O. Box 470249       Po. Box 470249     ORRI       Pegasus Resources II, LLC     P.O. Box 470698       Fort Worth, TX 76147     ORRI       Douglas Abell Denton     ORRI       Start Forst National Bank & Trust Co. of Okmulgee, Successor     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     ORRI       Glue S. Bth Street     P.O. Box 1037       Okmulgee, OK 74447     ORRI       Olson Family Properties, LP, a Texas limited     ORRI       partnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 79705     ORRI       Cedar Creek, TX 78612     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela       Leigh Simpson Starrett Revocable Trust under       agreement dated September 8, 1999       9066 Park Lane, Unit 1611       Dallas, TX 75231       ADT Miererals, Ltd, a Texas limited partnership       P.O. Box 31022       Dallas, TX 75210       ORRI       Wijzer Farergy Partners LLC       S00 W. Traxs, Suite 100       Midland, TX 79701       ORRI       Wijzer Corporation       PO BOX 3428       Midland, TX 79701       ORR		
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Fort Worth, TX 76147     ORRI       Pegasus Resources II, ILC     ORRI       Pegasus Resources II, ILC     ORRI       Douglas Abell Denton     ORRI       1501 Princeton     ORRI       Midland, TX 78701     ORRI       Outgas Abell Denton     ORRI       1501 Princeton     ORRI       Midland, TX 78701     ORRI       Okmulgee, OK 74447     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 Sinclair Ave     ORRI       Wildand, TX 79705     ORRI       Wells Fargo Bank, NA, Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       2005 Own Charter Start     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JOU North Gaines Road     ORRI       Centenary Enterprise Scorporation     ORRI       Wiland, TX 79701     ORRI       Midland, TX 79702     ORRI       Midland, TX 79703     ORRI       Wiland, TX 79701     ORRI       Midland, TX 79703     ORRI       Midland, TX 79704     ORRI       Midland, TX 79705     ORRI		
Pegasus Resources II, LLC     P.O. Box 470698       P.O. Box 470698     ORRI       Port Worth, TX 76147     ORRI       Douglas Abell Denton     ORRI       Stol Princeton     ORRI       Midland, TX 79701     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     ORRI       Glisson Family Properties, LP, a Texas limited partnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 79705     ORRI       Richard D, Jones, Jr.     ORRI       200 North Gaines Road     ORRI       Cedar Creek, TX 7 8612     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       200 North Gaines Road     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       201 North Kaines Road     ORRI       Opalas, TX 75213     ORRI       Viper Energy Partners LLC     ORRI       200 W, Vara Study a Texas limited partnership     P.O. Box 190229       Dalas, TX 79701     ORRI       Ordentary Enterprises Corporation     ORRI       Op 00 X 342     ORRI       Midland, TX 79701     ORRI		000
P.O.Box 470698ORRIFort Worth, TX 76147ORRIDouglas Abell DentonORRI1501 PrincetonORRIHidland, TX 79701ORRIFirst National Bank & Trust Co. of Okmulgee, SuccessorTrustee for the Patricia Boyle Young Management TrustGibson Family Properties, LP, a Texas limitedORRIGibson Family Properties, LP, a Texas limitedORRIGibson Family Properties, LP, a Texas limitedORRIgartnershipORRI2000 Sinclair AveORRIMidland, TX 79705ORRIKichard D. Jones, Jr.ORRI200 Abrid Gaines RoadORRICedar Creek, TX 78612ORRIWells Fargo Bank, MA, Successor Trustee for Angela Leigh Simpson Starrett, Revocable Trust under agreement dated September 8, 1999ORRI3066 Park Lane, Unit 1611 Dallas, TX 75219ORRIJADT Minerals, Utd, a Texas limited partnership P.O. Box 190229ORRIViper Energy Partners LUC Sol W. Texas, Suite 100ORRIViper Energy Partners LUC Sol W. Texas, Suite 100ORRIMidland, TX 79701ORRISol W. Wall Ave, Suite 500 Midland, TX 79701ORRISol W. Wall Aves and Kathryn A. Hayes, Co-Trustees of Midland, TX 79707ORRISondia Production Company, a Limited Partnership P.O. Box 1344ORRI		UKKI
Fort Worth, TX 76147     ORRI       Douglas Abell Denton     ORRI       S01 Princeton     ORRI       Midland, TX 79701     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     Interface       Trustee for the Patricia Boyle Young Management Trust     ORRI       G10 E. 8th Street     ORRI       P.O. Box 1037     ORRI       Okmulgee, OK 74447     ORRI       2000 Sinclair Are     ORRI       Wildand, TX 79705     ORRI       2001 Sinclair Are     ORRI       Wildand, TX 79705     ORRI       2001 Sinclair Are     ORRI       Wills Fargo Bank, N.A., Successor Trustee for Angela     Eigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999       2005 Park Lane, Unit 1611     ORRI       Dallas, TX 75215     ORRI       2000 W. Texas, Suite 100     ORRI       Wiger Energy Partners LUC     ORRI       2000 W. Texas, Suite 100     ORRI       Wiger Ansey Scorporation     ORRI       2014 D. Hayes and Kathryn A. Hayes, Co-Trustees of Angela     ORRI       Wiger Energy Partners LUC     ORRI       2015 W. Wall Ave. Suite 500     ORRI       Midland, TX 79701     ORRI       Quentesa Royally LP     ORRI       2016 W. Wall Ave. Suite 500     ORRI       Midland, T		
Douglas Abell Denton 1501 Princeton Midland, TX 7801 ORRI		000
1501 Princeton     ORRI       Midland, TX 73701     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     First National Bank & Trust Co. of Okmulgee, Successor       First National Bank & Trust Co. of Okmulgee, Successor     ORRI       610 E. 8th Street     ORRI       P.O. Box 1037     ORRI       Gibson Family Properties, LP, a Texas limited     ORRI       gartnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 73705     ORRI       2004 North Gaines Road     ORRI       Cedar Creek, TX 78612     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Viper Energy Partners LUC     ORRI       Stow 1. Y0701     ORRI       Midland, TX 79702     ORRI       Midland, TX 79703     ORRI       Sobw. Wall Ave. Suite 500     ORRI       Midhand, TX 79701     ORRI       Sobw. Wall Ave. Suite 500     ORRI       Midhand, TX 79701     ORRI       Sobw. Wall Ave. Suite 500     ORRI       Midhand, TX 79701     ORRI       Sobw. Wall Ave. Suite 500 <td< td=""><td></td><td>URRI</td></td<>		URRI
Midland, TX 79701     ORRI       First National Bank & Trust Co. of Okmulgee, Successor     First National Bank & Trust Co. of Okmulgee, Successor       First National Bank & Trust Co. of Okmulgee, Successor     Rist Street       P.O. Box 1037     Okmulgee, OK 74447       Okmulgee, OK 74447     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 7905     ORRI       2001 Sinclair Ave     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela     ORRI       Leigh Simpson Startett Revocable Trust under agreement dated September 8, 1999     ORRI       2006 Park Lane, Unit 1611     ORRI       Dallas, TX 75215     ORRI       Viper Energy Partnersh LUC     ORRI       2000 W. Texas, Suite 100     ORRI       Midland, TX 79701     ORRI       Qualentes Royalty LP     ORRI       Sob W. Wall Ave. Suite 500     ORRI       Midhad, TX 79701     ORRI       Midhad, TX 79701     ORRI       Midhad, TX 79701     ORRI       Sob Wadwridge Lane     ORRI       Midhad, TX 79707     ORRI       Sandia Production Company, a Limited Partnership     ORRI	· · · · ·	
First National Bank & Trust Co. of Okmulgee, Successor     Image: Construct of Construction of Const		ORRI
Trustee for the Patricia Boyle Young Management Trust G10 E. 8th Street P.O. Box 1307     Image: Comparison of the Comparison of t	Midiand, 1X 79701	UNIT .
610 E. 8th Street     ORRI       P.O. Box 1037     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 79705     ORRI       200 North Gaines Road     ORRI       200 North Gaines Road     ORRI       200 North Gaines Road     ORRI       201 North Gaines Road     ORRI       202 North Gaines Road     ORRI       203 North Gaines Road     ORRI       204 Starge Bank, N.A., Successor Trustee for Angela Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       205 Park Lane, Unit 1611     Dalas, TX 75231     ORRI       206 Dalas, TX 7529     ORRI     ORRI       201 Midnad, TX 79701     ORRI     ORRI       201 Midland, TX 79702     ORRI     ORRI       203 W. Wall Ave. Suite 500     ORRI     ORRI       204 Midhand, TX 79701     ORRI     ORRI       205 W. Wall Ave. Suite 500     ORRI     ORRI       206 Natage Revocable Trust     ORRI     ORRI       208 W. Wall Ave. Suite 500     ORRI     ORRI       208 Wadwrid	First National Bank & Trust Co. of Okmulgee, Successor	
P.O. Box 1037     ORRI       Okmuigee, OK 74447     ORRI       Gibson Family Properties, LP, a Texas limited partnership     ORRI       2000 Sinclair Ave     ORRI       Midland, TX 79705     ORRI       Richard D, Jones, Jr.     ORRI       2000 North Gaines Road     ORRI       Cedar Creek, TX 78612     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela     ORRI       Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       200 North Calnes, Road     ORRI       Jabr X, 75231     ORRI       Dallas, TX 75219     ORRI       Viper Energy Partners LLC     ORRI       500 W, Texas, Suite 100     ORRI       Wildand, TX 79701     ORRI       Centenay Enterprises Corporation     ORRI       Po Box 7428     ORRI       Midland, TX 79701     ORRI       So8 W, Wall Ave. Suite 500     ORRI       Midhad, TX 79701     ORRI       Midhad, TX 79701     ORRI       So8 W, Wall Ave. Suite 500     ORRI       Midhad, TX 79701     ORRI       So8 W, Wall Ave. Suite 500     ORRI       Midhad, TX 79701     ORRI       Song Revocable Trust     ORRI       So8 W, Wall Ave. Suite 500     ORRI       Midland, TX 79707     OR	Trustee for the Patricia Boyle Young Management Trust	
Okmulgee, OK 74447         ORRI           Gibson Family Properties, LP, a Texas limited partnership 2000 Sinclair Ave         ORRI           Midland, TX 79705         ORRI           Richard D. Jones, Jr.         ORRI           200 North Gaines Road         ORRI           Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999         ORRI           206 April Laist Startett Revocable Trust under agreement dated September 8, 1999         ORRI           206 April Laist Ltd, a Texas limited partnership P.O. Box 190229         ORRI           201 Jaist TX 75213         ORRI           Wiles Farego Santy N.A., Successor Trustee for Angela Ligh Simpson Starrett Revocable Trust under agreement dated September 8, 1999         ORRI           JADT Minerals, Ltd, a Texas limited partnership P.O. Box 190229         ORRI           Dallas, TX 75219         ORRI           Uiper Energy Partners LLC SO0 W. Texas, Suite 100         ORRI           Midland, TX 79701         ORRI           Song W. Wall Ave. Suite 500         ORRI           Midland, TX 79701         ORRI           Song Maedowridge Lane Midland, TX 79707         ORRI           Sondia Production Company, a Limited Partnership P.O. Box 1344         ORRI	610 E. 8th Street	
ORRI     ORRI       partnership     CORRI       2000 Sinclair Ave     ORRI       Midland, TX 790C5     ORRI       200 North Gaines Road     ORRI       Cedar Creek, TX 78612     ORRI       Wells Fargo Bank, N.A., Successor Trustee for Angela Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       8066 Park Lane, Unit 1611     Dallas, TX 75231     ORRI       JaDT Minerals, Ltd, a Texas limited partnership     P.O. Box 190229       Jalas, TX 75219     ORRI       Wils Faregy Partners LUC     Sold W. Texas, Suite 100       Midland, TX 79701     ORRI       Quientesa Royalty LP     ORRI       Sold W. Suite 100     ORRI       Midland, TX 79702     ORRI       Midland, TX 79703     ORRI       Michael D. Hayes and Kathryn A. Hayes, Co-Trustees of the Hayes Revocable Trust     ORRI       Sondia Production Company, a Limited Partnership     ORRI       P.O. Box 1344     ORRI	P.O. Box 1037	
Gibson Family Properties, LP, a Texas limited partnership     ORRI       Midland, TX 79705     ORRI       Richard D., Jones, Jr.     ORRI       200 North Gaines Road     ORRI       Cedar Creek, TX. 78612     ORRI       Wells Fargo Bank, NA., Successor Trustee for Angela Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       Viper Energy Partners LLC     ORRI       Viper Energy Partners LLC     ORRI       OUIentess Royalty LP     ORRI       Solw W, Wall Ave. Suite 500     ORRI       Midhand, TX 79701     ORRI       Midhand, TX 79701     ORRI       Solw Beakowridge Lane     ORRI       Midland, TX 79707     ORRI       Sondia Production Company, a Limited Partnership       P.O. Dox 1344	Okmulgee, OK 74447	
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Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999     ORRI       Dallas, TX 75231     ORRI       JADT Minerals, Ltd, a Texas limited partnership P.O. Box 19029     ORRI       Jalas, TX 75219     ORRI       Sono W., Texas, Suite 100     ORRI       Widland, TX 79701     ORRI       Centenary Enterprises Corporation     ORRI       P0 B0X 3428     ORRI       Widland, TX 79702     ORRI       Queientsa Royaly LP     ORRI       S08 W, Vall Ave. Suite 500     ORRI       Midland, TX 79701     ORRI       Son M, Vall Ave. Suite 500     ORRI       Midland, TX 79702     ORRI       Son Badeworldge Lane     ORRI       Midland, TX 79707     ORRI       Sandia Production Company, a Limited Partnership     P.O. Box 1344	Cedar Creek, TX 78612	ORRI
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Dallas, TX 75231     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       P.O. Box 19029     ORRI       Dallas, TX 75219     ORRI       Store Thergy Partners LLC     ORRI       S00 W. Texas, Suite 100     ORRI       Midland, TX 79701     ORRI       Centenary Enterprises Corporation     ORRI       P0 B0X 3428     ORRI       Uilentess Royalty LP     ORRI       S08 W. Vall Ave. Suite 500     ORRI       Midland, TX 79701     ORRI       Michael D. Hayes and Kathryn A. Hayes, Co-Trustees of     ORRI       Midland, TX 79707     ORRI       Sandia Production Company, a Limited Partnership     P.O. Box 1344	agreement dated September 8, 1999	
Dallas, TX 75231     ORRI       JADT Minerals, Ltd, a Texas limited partnership     ORRI       P.O. Box 19029     ORRI       Dallas, TX 75219     ORRI       Store Thergy Partners LLC     ORRI       S00 W. Texas, Suite 100     ORRI       Midland, TX 79701     ORRI       Centenary Enterprises Corporation     ORRI       P0 B0X 3428     ORRI       Uilentess Royalty LP     ORRI       S08 W. Vall Ave. Suite 500     ORRI       Midland, TX 79701     ORRI       Michael D. Hayes and Kathryn A. Hayes, Co-Trustees of     ORRI       Midland, TX 79707     ORRI       Sandia Production Company, a Limited Partnership     P.O. Box 1344	8066 Park Lane, Unit 1611	
P.O. Box 190229     ORI       Dallas, TX 75219     ORI       Dallas, TX 75219     ORI       Viper Energy Partners LLC     ORI       500 W. Texas, Suite 100     ORI       Midland, TX 79701     ORI       Centenary Enterprises Corporation     ORI       PO BOX 3428     ORRI       Midland, TX 79702     ORRI       Quientess Royalty LP     ORRI       S08 W. Wall Ave. Suite S00     ORRI       Midland, TX 79701     ORRI       Wichael D. Hayes and Kathryn A. Hayes, Co-Trustees of the Hayes Revocable Trust     ORRI       S608 Meadowridge Lane     ORRI       Wildland, TS 79707     ORRI       Sandia Production Company, a Limited Partnership     P.O. Box 1344		ORRI
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PO BOX 3428     ORRI       Midland, TX 79702     ORRI       508 W, Wall Ave. Suite 500     ORRI       Midland, TX 79701     ORRI       Michael D. Hayes and Kathryn A. Hayes, Co-Trustees of the Hayes Revocable Trust 3608 Meadowridge Lane Midland, TX 79707     ORRI       Sandia Production Company, a Limited Partnership P.O. Box 1344     ORRI		ORRI
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(10) E2E2 10-23S-30E	Section 11,	T235-R30E	(1) W2W2 12-23S-30E	
(9) E2NE 15-235-30E (8)	Section 14,	T235-R30E	(2) W2W2 13-23S-30E	
E2SE 15-23S-30E				
(7) NENE 22-23S-30E	N2 Section 2	3, T23S-R30E	(3) W2NW,	
(6) SENE, NESE 22-23S-30E	(5) N2SW 23-23S-30E	(4) N2SE 23-23S-30E	NWSW 24-23S-30E	

ALL OF SEC	NON STANDARD SPACING UNIT TIONS 11, 14, & N2 OF SECTION 23, T23S-R30E (WOLFCAMP)
• •	<b>30E; NMNM 0546732</b> NER(5): OCCIDENTAL PERMIAN LP AMP WELLS
.,	30E; NMNM 137455 NER(S): OXY USA INC. AMP WELLS
RECORD TITLE OW	/ 24-23S-30E; NMNM 114356 NER(S): BANE BIGBIE INC, HAT MESA OIL CO., HUTCHINGS OIL CO, SCOT P, SCOTT-WINN LLC, STRATA PRODUCTION CO, WADE PETROLEUM COR AMP WELLS
• •	<b>DE; NMNM 114978</b> NER(S): ADVANCE ENERGY PARTNERS HAT MESA LLC, MRC HAT MESA, 'AMP WELLS
	80E; NMNM 0543552 NER(S): CONOCOPHILLIPS CO., OXY USA INC. AMP WELLS
RECORD TITLE OW	<b>235-30E; ST NM E0-5229-11</b> NER(S): XTO DELAWARE BASIN, LLC 30URNE OIL COMPANY
RECORD TITLE OW	<b>0E; NMNM 0531731</b> NER(S): MEWBOURNE OIL COMPANY 30URNE OIL COMPANY
RECORD TITLE OW	I <mark>E; NMNM 0531277</mark> NER(S): MEWBOURNE OIL COMPANY 30URNE OIL COMPANY
RECORD TITLE OW	DE; NMNM 0543748 NER(S): MEWBOURNE OIL COMPANY 30URNE OIL COMPANY
	<b>30E; NMNM 0531075</b> NER(S): MEWBOURNE OIL COMPANY AMP WELLS
	<mark>E; NMNM 0531075</mark> NER{S): MEWBOURNE OIL COMPANY AMP WELLS
	<b>0E; ST NM E0-5229-11</b> NER(S): XTO DELAWARE BASIN, LLC AMP WELLS
	I <mark>E; ST NM V0-5541-001</mark> NER(S): EOG RESOURCES INC. AMP WELLS
• •	<b>30E; NMNM 0543280A</b> NER(S): XTO DELAWARE BASIN, LLC AMP WELLS

COG Operating LLC Case No. 24286 Exhibit A-5

### NSSU NOTICE LIST - THUNDERDOME FEDERAL COM (WOLFCAMP)

BLM		
STATE OF NM		
OCCIDENTAL PERMIAN LP	5 GREENWAY PLAZA STE 110	HOUSTON TX 77046
OXY USA INC.	5 GREENWAY PLAZA STE 110	HOUSTON TX 77046
BANE BIGBIE INC	PO BOX 998	ARDMORE OK 73402
HAT MESA OIL CO.	3235 CALLE DEBORAH	ALBUQUERQUE NM 87104
HUTCHINGS OIL CO	PO BOX 1216	ALBUQUERQUE NM 87103-1216
SCOTT INVESTMENT CORP	PO BOX 1834	ROSWELL NM 88202-1834
SCOTT-WINN LLC	PO BOX 1834	ROSWELL NM 88202-1834
STRATA PRODUCTION CO	1301 N SYCAMORE AVE	ROSWELL NM 88201
WADE PETROLEUM CORP	2406 NORTHWOOD CT NW	LOS RANCHOS NM 87107-3127
ADVANCE ENERGY PARTNERS HAT MESA, LLC	11490 WESTHEIMER RD STE 950	HOUSTON TX 77077-6841
MRC HAT MESA, LLC	5400 LBJ FREEWAY, SUITE 1500	DALLAS TX 75240
MEWBOURNE OIL COMPANY	500 WEST TEXAS, SUITE 1020	MIDLAND TX 79701
XTO DELAWARE BASIN, LLC	6401 HOLIDAY HILL RD, BUILDING 5	MIDLAND TX 79707
XTO PERMIAN OPERATING LLC	6401 HOLIDAY HILL RD, BUILDING 5	MIDLAND TX 79707
EOG RESOURCES INC.	1111 BAGBY STREET, SKY LOBBY 2	HOUSTON TX 77002

.



Gianna Romero Sr. Land Negotiator 600 W. Illinois Ave. Midland, Texas 79701 Office 3CC-05-5146 432-221-0421 Gianna.Romero@conocophillips.com

December 1, 2023

XTO Holdings, LLC Attn: Land Department 22777 Springwoods Village Pkwy Spring, TX 77389 Via Certified Mail, Return Receipt Requested No. 9414 8149 0246 9822 2115 84

Re: Well Proposals – Thunderdome Federal Com 701H-710H All of Sections 11, 14, & N/2 of Section 23, T23S-R30E 1,600 acres – Wolfcamp Formation Eddy County, New Mexico

Dear Working Interest Owner,

ConocoPhillips Company ("COP"), as Operator, hereby proposes the drilling of the following horizontal wells with productive laterals located in Sections 11, 14, and the N/2 of Section 23, T23S-R30E, Eddy County, New Mexico. The surface pad location for the Thunderdome Federal Com 701H-705H will be located in Unit K of Section 23, T23S-R30E, and the surface pad location for the Thunderdome Federal Com 706H-710H will be located in Unit J of Section 23, T23S-R30E (both pads subject to change). Please see details below:

- Thunderdome Federal Com #701H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,350' and approximate measured depth of 24,848'. The surface location for this well is proposed at a legal location in Unit K of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit D of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit E of Section 23, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location
- Thunderdome Federal Com #702H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,180' and approximate measured depth of 24,631'. The surface location for this well is proposed at a legal location in Unit K of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit D of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit E of Section 23, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, and the last take point at a legal location in Unit D of Section 11, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").

COG Operating LLC Case No. 24286 Exhibit A-6

- Thunderdome Federal Com #703H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,350' and approximate measured depth of 24,725'. The surface location for this well is proposed at a legal location in Unit K of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit C of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit F of Section 23, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E. The dedicated non-standard horizontal spacing unit will be all of Sections 11, 14, & N/2 of Section 23, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #704H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,180' and approximate measured depth of 24,574'. The surface location for this well is proposed at a legal location in Unit K of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit C of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit F of Section 23, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E. The dedicated non-standard horizontal spacing unit will be all of Sections 11, 14, & N/2 of Section 23, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #705H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,350' and approximate measured depth of 24,800'. The surface location for this well is proposed at a legal location in Unit K of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit C of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit F of Section 23, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, and the last take point at a legal location in Unit C of Section 11, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #706H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,180' and approximate measured depth of 24,469'. Furthermore, a pilot hole will be drilled on this well targeting the Devonian formation. The surface location for this well is proposed at a legal location in Unit J of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit B of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit G of Section 23, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 23, T23S-R30E, and the last take point at a legal location in Unit B of Section 23, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$16,186,630.00, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #707H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,350' and approximate measured depth of 24,750'. The surface location for this well is proposed at a legal location in Unit J of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit B of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit G of Section 23, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E. The dedicated non-standard horizontal spacing unit will be all of Sections 11, 14, & N/2 of Section 23, T23S-R30E,

Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").

- Thunderdome Federal Com #708H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,180' and approximate measured depth of 24,486'. The surface location for this well is proposed at a legal location in Unit J of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit B of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit G of Section 23, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location in Unit B of Section 11, T23S-R30E, and the last take point at a legal location. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #709H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,350' and approximate measured depth of 24,802'. The surface location for this well is proposed at a legal location in Unit J of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit A of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit H of Section 23, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E. The dedicated non-standard horizontal spacing unit will be all of Sections 11, 14, & N/2 of Section 23, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").
- Thunderdome Federal Com #710H, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 11,180' and approximate measured depth of 24,734'. The surface location for this well is proposed at a legal location in Unit J of Section 23, T23S-R30E, and a bottom hole location at a legal location in Unit A of Section 11, T23S-R30E. The first take point for this well is proposed at a legal location in Unit H of Section 23, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, and the last take point at a legal location in Unit A of Section 11, T23S-R30E, The dedicated non-standard horizontal spacing unit will be all of Sections 11, 14, & N/2 of Section 23, T23S-R30E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,904,424.22, as shown on the attached Authority for Expenditure ("AFE").

Please note that the proposed locations, TVD's and MD's are subject to change. COP is proposing to drill this well under the terms of a new Operating Agreement which will be sent under separate cover. The basic terms of this agreement are as follows:

- 1989 Model Form Operating Agreement with Horizontal Modifications
- Overhead Rates: \$8,000 Drilling / \$800 Production
- Penalties: 100%/300%/300%
- \$100,000 Expenditure Limit

If an agreement is not reached within 30 days of the date of this letter, COP will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a horizontal spacing unit for the proposed well.

Received by OCD: 7/24/2024 3:38:22 PM

December 1, 2023 - Page 4 of 4 Well Proposals – Thunderdome Federal Com 701H-710H

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 requirements, to the letterhead address.

Should you have any questions do not hesitate to contact me at 432-221-0421.

Sincerely,

**ConocoPhillips Company** 

*Gianna Romero, CPL* 

PARTICIPATE Elect to participate in drilling & completion of well	<b>DO NOT PARTICIPATE</b> Elect <b>NOT</b> to participate in drilling & completion of well	WELL NAME
		Thunderdome Federal Com #701H
		Thunderdome Federal Com #702H
		Thunderdome Federal Com #703H
		Thunderdome Federal Com #704H
		Thunderdome Federal Com #705H
		Thunderdome Federal Com #706H
		Thunderdome Federal Com #707H
		Thunderdome Federal Com #708H
		Thunderdome Federal Com #709H
		Thunderdome Federal Com #710H

### **XTO HOLDINGS, LLC**

Ву:	v	
Name:		
Title:		
Date:		

Alison Garcia CONOCO PHILLIPS 600 W Illinois Ave Midland, TX 79701



LAND DEPARTMENT XTO HOLDINGS LLC 22777 SPRINGWOODS VILLAGE PKWY SPRING, TX 77389-1425

This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDERDOME FEDERAL COM 701H		
Job Type DRILL 8		COMPLETE	
State		New Mexico - 30	-
County/Parish		Eddy - 015	
Authorization Number			

		Grand Total		
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00	
Project Intangibles:		3,378,960.22		0.00	300,538.00	
Project Totals:		4,846,960.22		0.00	1,458,464.00	
	Total Tangibles (\$)			2,665,926.00		
	Total Intangibles (\$)			10,238,498.22		
	Grand Total (\$)			12,904,424.22		

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023 Page 33 of 94



This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDI 702H	ERDOME FEDERAL COM	
Job Type	DRILL &	COMPLETE	
State		New Mexico - 30	-
County/Parish		Eddy - 015	
Authorization N	lumber		

		Grand Total	· · · · · · · · · · · · · · · · · · ·	
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$)			10,238,498.22	
	Grand Total (\$)			12,904,424.22	

Grand Total (\$)

Prepared by: ConocoPhillips Company	

.

Date: 12/01/2023

PARTNER APPROVAL

We approve: 12.5000% Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:



10.00

This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDERDOME FEDERAL COM 703H	
Job Type	DRILL 8	COMPLETE
State		New Mexico - 30
County/Parish		Eddy - 015
Authorization N	lumber	

	Grand Total				
Cost Feature Group	Drilling	Completions	P&A	Facilities	
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00	
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00	
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00	
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00	
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00	
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00	
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00	
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00	
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00	
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00	
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00	
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00	
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00	
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00	
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00	
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00	
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00	
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00	
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00	
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00	
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00	
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00	
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00	
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00	

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$) Grand Total (\$)		10,238,498.22		
			12,904,424.22		

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023



This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDERDOME FEDERAL COM 704H			
Job Type	DRILL 8	COMPLETE		
State		New Mexico - 30		
County/Parish		Eddy - 015		
Authorization N	umber			

	Grand Total				
Cost Feature Group	Drilling	Completions	P&A	Facilities	
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00	
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00	
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00	
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00	
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00	
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00	
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00	
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00	
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00	
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00	
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00	
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00	
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00	
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00	
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00	
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00	
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00	
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00	
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00	
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00	
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00	
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00	
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00	
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00	

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)				
	Total Intangibles (\$) Grand Total (\$)		10,238,498.22		
			12,904,424.22		

PARTNER APPROVAL

We approve: 12.5000% Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023


This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUND 705H	ERDOME FEDERAL COM	
Job Type	DRILL 8	COMPLETE	
State		New Mexico - 30	_
County/Parish		Eddy - 015	
Authorization N	lumber		

	Grand Total					
Cost Feature Group	Drilling	Completions	P&A	Facilities		
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00		
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00		
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00		
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00		
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00		
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00		
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00		
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00		
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00		
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00		
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00		
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00		
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00		
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00		
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00		
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00		
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00		
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00		
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00		
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00		
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00		
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00		
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00		
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00		

Project Tangibles: Project Intangibles:		1,468,000.00 3,378,960.22	40,000.00	0.00	1,157,926.00 300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$)			10,238,498.22	
	Grand Total (\$)			12,904,424.22	

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023 Page 37 of 94



This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUND 706H	ERDOME FEDERAL COM	
Job Type	DRILL 8	COMPLETE W/ PH	
State		New Mexico - 30	
County/Parish		Eddy - 015	
Authorization N	lumber		

		Grand Total		
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,757,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$56,650.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,990,400.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$294,000.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$469,100.00	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$526,700.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$462,166.00	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$1,250,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$86,250.00	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$318,600.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$148,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$120,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$427,400.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$5,400.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$100,000.00	\$0.00	\$0.00	\$0.00
Grand Total	\$8,129,166.00	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:	1.832.000.00	40.000.00	0.00	1.157.926.00
Project Intangibles:	6,297,166.00	6,559,000.00	0.00	300,538.00

 
 Project Totals:
 8,129,166.00
 6,599,000.00
 0.00
 1,458,464.00

 Total Tangibles (\$) Total Intangibles (\$)
 3,029,926.00
 13,156,704.00
 13,156,704.00
 16,186,630.00

 Grand Total (\$)
 16,186,630.00
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PARTNER APPROVAL We approve:

12.5000% Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

1000

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023



This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDE 707H	ERDOME FEDERAL COM	
Job Type	DRILL &	COMPLETE	
State		New Mexico - 30	
County/Parish		Eddy - 015	
Authorization N	umber		

		Grand Total		
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
1	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$) Grand Total (\$)			10,238,498.22	
				12,904,424.22	

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023

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This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDE 708H	ERDOME FEDERAL COM	
Job Type	DRILL &	COMPLETE	
State		New Mexico - 30	
County/Parish		Eddy - 015	
Authorization N	umber		

		Grand Total		
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$)		10,238,498.2		
	Grand Total (\$)			12,904,424.22	

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023

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This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUNDERDOME FEDERAL COM 709H		
Job Type	DRILL & COMPLETE		
State		New Mexico - 30	
County/Parish		Eddy - 015	
Authorization Number			_

		Grand Total		
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
E000: RIGS & RIG RELATED	\$1,166,000.00	\$0.00	\$0.00	\$19,000.00
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$211,885.00	\$985,000.00	\$0.00	\$4,000.00
G000: FLUID AND CHEMICALS SERVICES	\$266,965.62	\$58,500.00	\$0.00	\$0.00
H000: DIRECTIONAL DRILLING / MWD / LWD	\$293,000.00	\$0.00	\$0.00	\$0.00
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
-	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$)			10,238,498.22	
	Grand Total (\$)			12,904,424.22	

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By: Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023



This document contains proposed and estimated project cost information which is proprietary and confidential to ConocoPhillips.

Well Name	THUND 710H	THUNDERDOME FEDERAL COM 710H	
Job Type	DRILL & COMPLETE		
State		New Mexico - 30	
County/Parish		Eddy - 015	
Authorization N	umber		

	Grand Total			
Cost Feature Group	Drilling	Completions	P&A	Facilities
A000: CASING & TUBING	\$1,393,000.00	\$0.00	\$0.00	\$111,054.00
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$40,000.00	\$0.00	\$58,000.00
C000: COMPLETION EQUIPMENT & OTHER	\$0.00	\$0.00	\$0.00	\$988,872.00
D000: LOCATION (WELLSITE RELATED)	\$82,000.00	\$12,500.00	\$0.00	\$30,619.00
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J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$268,387.85	\$0.00	\$0.00	\$0.00
K000: FORMATION EVALUATION	\$40,000.00	\$0.00	\$0.00	\$10,000.00
M000: COMPLETION & TESTING	\$0.00	\$15,000.00	\$0.00	\$0.00
N000: FORMATION STIMULATION & TREATING	\$0.00	\$3,678,000.00	\$0.00	\$0.00
0000: CERTIFICATION, INSPECT, CONTROL & TEST	\$0.00	\$0.00	\$0.00	\$0.00
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$89,721.75	\$45,000.00	\$0.00	\$0.00
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$274,000.00	\$656,000.00	\$0.00	\$14,000.00
R000: BITS & MILLS	\$108,000.00	\$4,000.00	\$0.00	\$0.00
S000: SPECIAL SERVICES	\$133,000.00	\$355,000.00	\$0.00	\$19,000.00
T000: MISCELLANEOUS	\$397,500.00	\$152,000.00	\$0.00	\$169,220.00
U000: PERFORATING & SLICKLINE SERVICES	\$0.00	\$571,000.00	\$0.00	\$0.00
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D	\$0.00	\$0.00	\$0.00	\$26,000.00
W000: GENERAL FEES	\$42,500.00	\$5,000.00	\$0.00	\$0.00
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$6,000.00	\$22,000.00	\$0.00	\$8,699.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total	\$4,846,960.22	\$6,599,000.00	\$0.00	\$1,458,464.00

Project Tangibles:		1,468,000.00	40,000.00	0.00	1,157,926.00
Project Intangibles:		3,378,960.22	6,559,000.00	0.00	300,538.00
Project Totals:		4,846,960.22	6,599,000.00	0.00	1,458,464.00
	Total Tangibles (\$)			2,665,926.00	
	Total Intangibles (\$)			10,238,498.22	
	Grand Total (\$)			12,904,424.22	

PARTNER APPROVAL

We approve: <u>12.5000%</u> Working Interest (estimated)

Company: XTO HOLDINGS, LLC

By:

Name:

Title:

Date:

Prepared by: ConocoPhillips Company Date: 12/01/2023



#### Chronology Efforts – Thunderdome Federal Com 701H-710H

- 12/1/2023 Well proposal and AFEs for the 701H-710H sent to XTO.
- 12/18/2023 Federal Communitization Agreements sent to applicable parties.
- 12/18/2023 Operating Agreement sent to XTO.
- 12/21/2023 Ratification of Federal Communitization Agreements sent to applicable parties.

COG Operating LLC Case No. 24286 Exhibit A-7

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

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

CASE NO. 24286

#### SELF-AFFIRMED STATEMENT OF SHARIVA TUVELA RACHEL DARMAOEN

1. I am a geologist with COG Operating LLC ("COG"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have not previously testified before the New Mexico Oil Conservation Division ("Division"). I have a master's degree in Geology from the University of Texas at Arlington and have worked in the petroleum industry for approximately 8 years. A copy of my resume is attached as **Exhibit B-1**.

2. I am familiar with the geological matters that pertain to the above-referenced case.

3. Exhibit B-2 is a location map of the proposed Wolfcamp horizontal spacing unit ("Unit"). The approximate wellbore paths for the proposed Thunderdome Federal Com #701H, Thunderdome Federal Com #702H, Thunderdome Federal Com #703H, Thunderdome Federal Com #704H, Thunderdome Federal Com #705H, Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, Thunderdome Federal Com #708H, Thunderdome Federal Com #709H, and Thunderdome Federal Com #710H wells ("Wells") are represented by dashed lines. Existing producing wells in the targeted interval are represented by solid lines.

4. **Exhibit B-3** is a subsea structure map for the Wolfcamp formation that is representative of the targeted interval. The data points are indicated by crosses. The approximate

COG Operating LLC Case No. 24286 Exhibit B wellbore paths of the wells are depicted by dashed lines. The map demonstrates the formation is gently dipping to the southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

5. **Exhibit B-4** is a cross section map that identifies wells penetrating the targeted intervals used to construct a stratigraphic cross-section from A to A'. I used these well logs because they penetrate the targeted intervals, are of good quality, and are representative of the geology in the area.

6. **Exhibit B-5** is a stratigraphic cross-section using the representative wells identified on Exhibit B-3. It contains gamma ray, resistivity and porosity logs. The proposed landing zones for the wells are labeled on the exhibit. This cross-section demonstrates the target intervals are continuous across the Unit.

7. In my opinion, a standup orientation for the wells is appropriate to properly develop the subject acreage because of consistent rock properties throughout the Unit and the lack of preferred fracture orientation in this portion of the trend.

8. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the wells.

9. In my opinion, the granting of COG's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

10. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

11. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under

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the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

Shariva Tuvela Rachel Darmaoen

<u>03/26/2024</u> Date

# (EXHIBIT B-1) SHARIVA DARMAOEN, M.S., RESUME

(432) 901-5782 • shariva.darmaoen@conocophillips.com • Midland, TX

## GEOLOGIST

- M.S. in Geology and 8+ years' experience in onshore horizontal / unconventional well development projects in the South Texas, Midland & Delaware basins, and offshore exploration in the Suriname-Guyana Basin.
- Developing in the Play Based Exploration (PBE) workflow, mapping regional horizons, conducting play analysis, and preparing lead and prospect inventories using Petrel, IHS Kingdom, and Paleoscan.
- Skilled in integrating subsurface data from multiple sources, including seismic interpretation, well log analysis, and geologic mapping, in order to evaluate and communicate new opportunities.
- Proven track record of implementing short- and long-term development plans, refining well spacing and targeting, and providing technical support for lease management and acquisitions.

## **KEY SKILLS**

#### **Technical Strengths**

- Data Integration: Integrates diverse datasets at multiple scales (seismic, log, core) to interpret the subsurface
- Geology / Geophysics: Subsurface evaluation / exploration experience and a technical delivery track record
- Subsurface Modeling: Intermediate mapping & interpretation skills
- Best-in-class data management

## Business Acumen

- Commercial Assessment: Recognizing basin, play, and prospect or field-scale commercial opportunities
- Upstream Investment: Works with maturation teams for portfolio rejuvenation and maturation work
- Novice Lead-to-Prospect Maturation, Lead Portfolio Generation, New Business Relationship Building

#### Team Support

- Collaboration: Work with geoscience disciplines (e.g., Specialists, Geophysics, Production), petroleum-, front-end- & well- engineering to define end-to-end integrated value
- Leadership: Adaptability & excellent communication skills

## PROFESSIONAL WORK HISTORY

### **CONOCOPHILLIPS, Midland, Texas**

## Development, Planning and Operations Geologist – Delaware Basin

Currently overseeing development and well planning projects in Eddy County, New Mexico and Reeves County, Texas utilizing Petrel and GVERSE. Also serving as operations geologist for one rig line utilizing Starsteer.

- **Collaborating with the drilling department** on all aspects of drilling development and exploitation wells, supporting with geological prognoses, logging program recommendations and geo-steering.
- Recommending the drilling of development wells and working with reservoir engineering counterparts to ensure alignment of commercial/economic evaluation.
- Integrating data to generate and update maps including production, petrophysics, geochemical, core, and 2D/3D seismic to create, high-grade, and prioritize drilling location inventory.
- Monitoring industry activity utilizing public data and industry networks.
- Working closely with Delaware Basin Land to evaluate third-party acreage submittals, acquire acreage or extensions of core area selected for leasehold capital expenditures.

12/2023 to Present

#### SHARIVA DARMAOEN, M.S. • (432) 901-5782 • shariva.darmaoen@conocophillips.com

#### STAATSOLIE MAATSCHAPPIJ N.V., Paramaribo, Suriname

## Exploration Geologist – Suriname-Guyana Basin

Applied the Play Based Exploration workflow to examine petroleum systems in the Suriname-Guyana basin, involving geologic mapping, play analysis, and inventory preparation for a Shallow Offshore bid round.

- **Boosted exploration efficiency in the Suriname-Guyana Basin** by employing the Play Based Exploration workflow, tackling the challenges of mapping for the modeling of complex petroleum systems.
- **Expedited a competitive SHO bid round for 2023-2024** through proficient utilization of software tools like Petrel, IHS Kingdom, Paleoscan, and QGIS, facilitating lead and prospect inventory preparations.

## ANTON DE KOM UNIVERSITY, Paramaribo, Suriname

#### Assistant Lecturer – Petroleum Fluids & Global Energy Transition

Assisted lecturer in Petroleum Fluids and Global Energy Transition courses, facilitating practical exercises, grading, and quality assurance, while covering extensive subject matter in both fields.

- Increased understanding of hydrocarbon chemistry and phase behavior, overcoming the complexity by leading practical exercises and grading assignments in the Properties of Petroleum Fluids course.
- Addressed critical issues in the global energy sector, tackling the challenges of market dynamics and analyzing strategic goals by integrating insights from operators, institutions, and NGOs in the course content.

## **PIONEER NATURAL RESOURCES, Irving, Texas**

## Development Geologist – Southern Midland Basin (1/2018 to 5/2019)

Enhanced collaboration across disciplines, addressed software issues, and implemented comprehensive databased strategies to optimize well selection, while refining the long-term southern Midland Basin development plan.

- Elevated team performance by identifying and solving inefficiencies related to Spotfire data visualization software, linking resources from IT to geoscience team.
- **Increased well-selection accuracy** by spearheading the 'Red' team initiative to integrate comprehensive geological and engineering data, thereby enriching drilling approval process.
- **Drove strategic planning** by implementing short- and long-term development plans for acreage in the southern Midland Basin, incorporating past learnings and new scientific data.
- Enhanced well performance by analyzing data from various sources, identifying geological hazards, and proposing improved reservoir stimulation techniques.
- Aided business decisions by providing technical support for lease management, acquisitions, and divestitures.
- **Strengthened staff proficiency** by mentoring new team members on processes, software, and analytical methods, ensuring consistent and quality product delivery.

## Well Planning / Project Geologist – South Texas & Midland Basin (9/2014 to 1/2018)

Interpreted geologic formations, planned unconventional development well locations, ensured accurate drilling, mentored inexperienced staff, and executed projects using IHS Petra & Kingdom, Paradigm Seisearth and Spotfire.

- Improved resource estimation accuracy by interpreting Eagle Ford and Spraberry / Wolfcamp formations, leveraging offset well data, geologic models, seismic, petrophysical, and engineering data.
- Advanced the drilling process through strategic planning of unconventional development well locations, incorporating emerging data to refine geologic interpretations.

## 11/2020 to 8/2022

9/2022 to 8/2023

## 6/2012 to 5/2019

#### SHARIVA DARMAOEN, M.S. • (432) 901-5782 • shariva.darmaoen@conocophillips.com

- Amplified interdepartmental efficiency and safety, briefing teams about location-specific geologic concerns.
- **Fostered skills development and operational readiness in new hires**, coaching them on the end-to-end process from well creation to final spud and completion.
- Expanded asset development options via diverse project management, including Saltwater Disposal well planning in the Midland Basin, and oil/gas and water geochemistry projects in South Texas and Midland Basins.
- **Optimized wellbore placement strategies and mitigated drilling complications,** integrating drilling and completion data in a look-back project.

#### Operations Geologist – South Texas (12/2013 to 9/2014)

Facilitated horizontal well drilling programs, geo-steered wells using subsurface/seismic maps, and adjusted plans during operations, while maintaining daily reports and tracking mudlog shows.

- **Expedited the execution of a horizontal well drilling program** utilizing SES for geo-steering and integrating data in IHS Kingdom and Petra to overcome the challenge of directional plan alignment.
- Enhanced portfolio by tracking mudlog shows during drilling leading to the recording of additional pay for future development opportunities.

### EDUCATION

Master of Science Degree (M.S.) in Petroleum Geology, The University of Texas at Arlington Bachelor of Science Degree (B.S.) in Geology; Geography Minor, Florida Atlantic University \* Three publications on the Eagle Ford formation available upon request (Exhibit B-2) Thunderdome Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, 710H: Page 50 of 94

## Location Map





(Exhibito B-3) Thundardome Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, 710H: Page 51 of 94







(Exhibit & 4) Thundordome Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, 710H:



Cross Section Map





# (Exhibit B-5) Wolfcamp Top to Wolfcamp B – Stratigraphic Cross Section A – A'



COG Operating LLC Case No. 24286 Exhibit B-5

Released to Imaging: 7/24/2024 3:46:49 PM March 25, 2024



Page 53 of 94

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

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

**CASE NO. 24286** 

#### SELF-AFFIRMED STATEMENT OF DANA S. HARDY

1. I am attorney in fact and authorized representative of COG Operating LLC, the Applicant herein.

2. I am familiar with the Notice Letter attached as **Exhibit C-1** and caused the Notice Letter, along with the Application in this case, to be sent to the parties set out in the chart attached as **Exhibit C-2**.

3. Exhibit C-2 also provides the date each Notice Letter was sent and the date each return was received.

4. Copies of the certified mail green cards and white slips are attached as Exhibit C-3 as supporting documentation for proof of mailing and the information provided on Exhibit C-2.

5. On March 10, 2024, I caused a notice to be published to all interested parties in the Carlsbad Current Argus. An Affidavit of Publication from the Legal Clerk of the Carlsbad Current Argus, along with a copy of the notice publication, is attached as **Exhibit C-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

<u>/s/ Dana S. Hardy</u> Dana S. Hardy <u>July 22, 2024</u> Date

> COG Operating LLC Case No. 24286 Exhibit C



## HINKLE SHANOR LLP

ATTORNEYS AT LAW P.O. BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

## VIA CERTIFIED MAIL

March 11, 2024

#### <u>VIA CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

## TO ALL PARTIES ENTITLED TO NOTICE

#### Re: Case No. 24286 – Application of COG Operating LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **April 4**, **2024**, beginning at 8:15 a.m.

The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate virtually, instructions OCD Hearings see the posted the website: on https://www.emnrd.nm.gov/ocd/hearing-info/. 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.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov 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.

Please contact Macie Valles, Land Negotiator at ConocoPhillips, at Macie.Valles@conocophillips.com if you have any questions regarding this matter.

Sincerely,

<u>/s/ Dana S. Hardy</u> Dana S. Hardy

COG Operating LLC Case No. 24286 Exhibit C-1

Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321 PO BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554 FAX (505) 982-8623

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO.

CASE NO. 24286

#### NOTICE LETTER CHART

PARTY	NOTICE LETTER SENT	<b>RETURN RECEIVED</b>
Advance Energy Partners Hat Mesa, LLC	03/11/24	04/08/24
11490 Westheimer Road, Suite 950		
Houston, TX 77077		
Cathleen Ann Adams, Trustee for the	03/11/24	03/28/24
Cathleen Ann Adams Revocable Trust		
dated 9/25/2020		
PO Box 45807		
Rio Rancho, NM 87174		
Susan Arrott, a.k.a. Susan Carol Arrott,	03/11/24	03/22/24
Trustee of the Arrott Family Revocable		
Trust dated 4/8/2019		
PO Box 241868		
Little Rock, AR 72223		
Blue Star Royalty LLC	03/11/24	03/25/24
P.O. Box 470249		
Fort Worth, TX 76147		
Centenary Enterprises Corporation	03/11/24	04/01/24
PO Box 3428		
Midland, TX 79702		
Collins Permian, LP	03/11/24	03/19/24
3824 Cedar Springs Road, Suite 414		
Dallas, TX 75219		
Douglas Abell Denton	03/11/24	Per USPS Tracking
1501 Princeton		(Last Checked 07/22/24):
Midland, TX 79701		
		03/25/24 – Item in transit
		to next facility.
First National Bank & Trust Co. of	03/11/24	03/21/24
Okmulgee, Successor Trustee for the		
Patricia Boyle Young Management Trust		
610 E. 8th Street		
P.O. Box 1037		
Okmulgee, OK 74447		
James J. Fox	03/11/24	03/25/24
PO Box 24008		
Santa Fe, NM 87502		Return to sender.

COG Operating LLC Case No. 24286 Exhibit No. C-2

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO.

CASE NO. 24286

#### **NOTICE LETTER CHART**

John R. Fox, as Personal Representative	03/11/24	03/18/24
of the Estate of Mary Q. Fox	03/11/24	05/10/24
11217 W. Scott Road		
Medina, NY 14103		
Gibson Family Properties, LP, a Texas	03/11/24	04/15/24
limited partnership	00/11/21	0.0.10/21
2000 Sinclair Ave		Return to sender.
Midland, TX 79705		
Michael D. Hayes & Kathryn A. Hayes,	03/11/24	03/20/24
Co-Trustees of the Hayes Revocable Trust		
3608 Meadowridge Lane		
Midland, TX 79707		
JADT Minerals, Ltd, a Texas limited	03/11/24	03/19/24
partnership		
P.O. Box 190229		
Dallas, TX 75219		
Richard D. Jones, Jr.	03/11/24	03/19/24
200 North Gaines Road		
Cedar Creek, TX 78612		
W. Thomas Kellahin, as Personal	03/11/24	Per USPS Tracking
Representative of the Estate of Linnie		(Last Checked 07/22/24):
Kellahin, deceased		
205 Plaza Montana		03/13/24 – Delivered to
Santa Fe, NM 87505		individual at the address.
James R. Kellahin	03/11/24	03/25/24
12917 Valleyheart Dr., Unit 2		
Studio City, CA 91604		Return to sender.
MRC Hat Mesa, LLC	03/11/24	03/19/24
5400 LBJ Freeway, Suite 1500		
Dallas, TX 75240		
New Orleans Natural Resource Group,	03/11/24	05/16/24
Inc.		
P.O. Box 24396		
New Orleans, LA 70184		Return to sender.
OXY USA Inc.	03/11/24	03/22/24
Attn: Land Department		
5 Greenway Plaza, Suite 110		
Houston, TX 77046		

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO.

CASE NO. 24286

#### NOTICE LETTER CHART

Pegasus Resources II, LLC	03/11/24	03/26/24
P.O. Box 470698		
Fort Worth, TX 76147		
Platform Energy IV, LLC	03/11/24	03/21/24
P.O. Box 2078		
Abilene, TX 79604		
Quientesa Royalty LP	03/11/24	03/18/24
508 W. Wall Ave. Suite 500		
Midland, TX 79701		
Sandia Production Company, a Limited	03/11/24	03/20/24
Partnership		
P.O. Box 1344		Return to sender.
Corrales, NM 87048		
Unknown Heirs or Devisees of Jason		
Kellahin, deceased		
(addess unknown)		
Unknown Heirs or Devisees of Linnie		
Kellahin, deceased		
(addess unknown)		
Unknown Heirs or Devisees of Mary C.		
Burton, wife of John H. Burton		
(addess unknown)		
Unknown Heirs or Devisees of Mary Q.		
Fox, deceased		
(addess unknown)		
Unknown Heirs or Devisees of Robert E.		
Fox, deceased		
(addess unknown)		
Unknown Heirs or Devisees of Thomas		
Allen, deceased		
(addess unknown)		
Viper Energy Partners LLC	03/11/24	03/18/24
500 W. Texas, Suite 100		
Midland, TX 79701		

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO.

CASE NO. 24286

#### **NOTICE LETTER CHART**

Wells Fargo Bank, N.A., Successor	03/11/24	03/26/24
Trustee for Angela Leigh Simpson Starrett	05/11/27	05/20/24
Revocable Trust under agreement dated		Return to sender.
September 8, 1999		rectain to sender.
8066 Park Lane, Unit 1611		
Dallas, TX 75231		
Wells Fargo Bank, N.A., Trustee for the	03/11/24	03/18/24
John H. Burton and Mary C. Burton		
Revocable Trust dated July 30, 1980		
6325 S. Rainbow Blvd, Ste 300		
Las Vegas, NV 89118		
XTO Holdings, LLC	03/11/24	03/25/24
Attn: Land Department		
22777 Springwoods Village Pkwy		
Spring, TX 77389		
Jean Telarik Yodice	03/11/24	03/20/24
2830 Torrance Dr.		
Land O Lakes, FL 34638		

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, PS Form 3811, .	July 2020 PSN 7530-02-000-9053		mestic Return Receipt

COG Operating LLC Case No. 24286 Exhibit C-3 Page 60 of 94









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	PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions



#### Page 64 of 94





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24286 - COG Thunderdome

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PS Form 3811, July 2020 PSN 7530-02-000-9053

2. Article Number (Transfer from service label

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 Registered Mail<sup>™</sup>
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□ Signature Confirmation™

Signature Confirmation Restricted Delivery

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5 C	Okmulgee, OK 74447 City, State, ZIP+4 24286 - COG Thunderdome		
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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailplece, or on the front if space permits.</li> <li>Article Addressed to:</li> <li>Michael D. Hayes &amp; Kathryn A. Hayes, Co-Trustees of the Hayes Revocable Trust 3608 Meadowridge Lane Midland, TX 79707</li> </ul>	A. Signature X Molfunge B. Received by (Printed Name) C. Date of Delivery Addressee B. Received by (Printed Name) C. Date of Delivery 3/14/24 D. Is delivery address different from item 1? "Yes If YES, enter delivery address below: "Invo RECEIVED MAR 20 2024	
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U.S. Postal Service™ LO **CERTIFIED MAIL® RECEIPT** ni Domestic Mail Only For delivery information, visit our website at www.usps.com®. со Т Ē INS **Certified Mail Fee** 57 5 Extra Services & Fees (check box, add fee as appropriate Return Receipt (hardcopy) 202 AR Postmark Return Receipt (electronic) Certified Mail Restricted Delivery Here n Adult Signature Required пu Adult Signature Restricted Delivery \$ S Postage 710 Total Postage and Fees Ċ Sent To Wells Fargo Bank, N.A., Successor Trustee for Angela T Leigh Simpson Starrett Revocable Trust under agreemen dated September 8, 1999 =0 Street and A 8066 Park Lane, Unit 1611 City, State, Z. Dallas, TX 75231 S T 24286 - COG Thunderdom PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instruction C ED MAIL **QUE NM 870** 4PM STAGE IMIPITNEY BOWES FIRST- ( ZIP 87501 02 7H 9589 0710 5270 0751 2489 25 0006052409

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Wells Fargo Bank, N.A., Successor Trustee for Angela Leigh Simpson Starrett Revocable Trust under agreement dated September 8, 1999 8066 Park Lane, Unit 1611 Dallas, TX 75231

24286 - COG Thunderdome

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#### **Moving Through Network**

In Transit to Next Facility March 25, 2024

#### Arrived at USPS Regional Facility

ATLANTA NORTH METRO DISTRIBUTION CENTER March 20, 2024, 10:42 am

#### Departed USPS Facility ALBUQUERQUE, NM 87101

March 11, 2024, 10:08 pm

Arrived at USPS Facility ALBUQUERQUE, NM 87101 March 11, 2024, 9:22 pm

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**Delivered Delivered, Left with Individual** SANTA FE, NM 87505 March 13, 2024, 10:33 am

Departed USPS Facility ALBUQUERQUE, NM 87101 March 11, 2024, 10:08 pm

#### Arrived at USPS Facility

ALBUQUERQUE, NM 87101 March 11, 2024, 9:21 pm

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STATE OF WISCONSIN, COUNTY OF BROWN

The Carlsbad Current Argus, a newspaper published in the city of Carlsbad, Eddy County, State of New Mexico, and personal knowledge of the facts herein state and that the notice hereto annexed was Published in said newspapers in the issue:

03/10/2024

PO #:

and that the fees charged are legal. Sworn to and subscribed before on 03/10/2024

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Case 24286

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> COG Operating LLC Case No. 24286 Exhibit C-4

> > Page 1 of 3

Page 93 of 94

This is to notify all inter-ested parties, including Advance Energy Partners Hat Mesa, LLC; Cathleen Ann Adams, Trustee for the Cathleen Ann Adams Revocable Trust dated 9/25/202; Susan Arrott, a.k.a. Susan Carol Arrott, Trustee of the Arrott Family Revocable Trust dated 4/8/2019; Blue Star Royaity LLC; Centenary Enferprises Corporation; First National Bank & Trust Co. of Okmulgee, Successor Trustee for the Patricia Boyle Young Management Trust; James J. Fox; John R. Fox, as Personal Representative of the Estate of Mary Q. Fox; Gibson Family Properties, LP, a Texas limited part-nership; Michael D. Hoyes & Kathryn A. Hayes, Co-Trustees of the Hayes Revocable Trust; JADT Minerals, Ltd, a Texas limited D. partnership; Richard D. Jones, Jr.; W. Thomas Kellahin, as Personal Representative of the Estate of Linnie Kellahin, deceased; James R. Kellahin, MRC Hat Mesa, LLC; New Orleans Natural Resource Group, Inc.; OXY USA Inc.; Pega-sus Resources II, LLC; Quientesa Royalty LP; Sandia Production, deceased; Unknown Heirs or Devisees of Jaon Kellahin, deceased; Unknown Heirs or Devisees of Mary C. Burton, wife of John H. Burton; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Fox, deceased; Unknown Heirs or Devisees of Mary G. Bonh, N.A., Successor Trustee for the n

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Federal Com #702H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; Thunderdome Federal Com #703H, Thunderdome Federal Com #704H, and Thunderdome Federal Com #705H, which will be drilled from surface hole locations in the NE/4 SW/4 (Unit K) of Section 23 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11; Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, and Thunderdome Federal Com #706H, Thunderdome Federal Com #707H, and Thunderdome Federal Com #708H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; and Thunderdome Federal Com #709H and Thunderdome Federal Com #710H, which will be drilled from surface hole locations in the NW/4 SE/4 (Unit J) of Section 23 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11; and completed intervols of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Applicant as operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 14.4 miles east of Loving, New Mexico. #9938146, Current Argus, March 10, 2024