

**BEFORE THE OIL CONSERVATION DIVISION  
EXAMINER HEARING SEPTEMBER 12, 2024**

**CASE NO. 24667**

*SHANGHAI ROOSTER 15-3 FED 107H & 125H WELLS*

*EDDY COUNTY, NEW MEXICO*



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

**APPLICATION OF XTO HOLDINGS, LLC  
FOR COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO.**

**CASE NO. 24667**

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# COMPULSORY POOLING APPLICATION CHECKLIST

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

Case: 24667	APPLICANT'S RESPONSE
Date	September 12, 2024
Applicant	XTO Holdings, LLC
Designated Operator & OGRID (affiliation if applicable)	XTO Energy, Inc. (OGRID No. 5380)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF XTO HOLDINGS, LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.
Entries of Appearance/Intervenors:	N/A
Well Family	Shanghai Rooster Fed
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code (Only if NSP is requested):	Willow Lake, Bone Spring, Southeast [96217]
Well Location Setback Rules (Only if NSP is Requested):	Statewide oil rules
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	959.4
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lots 1-2 (N/2 NE/4 equivalent), S/2 NE/4, and the SE/4 of irregular Section 3, and the E/2 of Sections 10 and 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description  BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A Submitted by: XTO Energy, Inc Hearing Date: September 12, 2024 Case no. 24667	Yes. The completed interval of the <b>Shanghai Rooster 15-3 Fed #107H</b> is within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of these proximity tracts within the horizontal spacing unit under 19.15.16.15.B(1)(b) NMAC.
Proximity Defining Well: if yes, description	See above
Applicant's Ownership in Each Tract	Exhibit C-3
Revised to Imaging: 9/6/2024 9:52:23 AM	

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	<b>Shanghai Rooster 15-3 Fed 107H (API: 30-015-50097)</b> SHL: 341' FSL, 1,185' FEL (Unit P) of Section 15 BHL: 50' FNL, 1,320' FEL (Lot 1) of irregular Section 3 Target: Bone Spring Orientation: Standup Completion: Standard Location / Proximity well
Well #2	<b>Shanghai Rooster 15-3 Fed 125H (API: 30-015-50096)</b> SHL: 330' FSL, 2,530' FEL (Unit O) of Section 15 BHL: 50' FNL, 2,590' FEL (Lot 2) of irregular Section 3 Target: Bone Spring Orientation: Standup Completion: Non-Standard (See NSL-8488)
Horizontal Well First and Last Take Points	<b>Exhibit C-1</b>
Completion Target (Formation, TVD and MD)	<b>Exhibit D-4</b>
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	N/A
Production Supervision/Month \$	N/A
Justification for Supervision Costs	N/A
Requested Risk Charge	N/A
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	<b>Exhibit B</b>
Proof of Mailed Notice of Hearing (20 days before hearing)	<b>Exhibit E</b>
Proof of Published Notice of Hearing (10 days before hearing)	<b>Exhibit F</b>
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	<b>Exhibit C-2</b>
Tract List (including lease numbers and owners)	<b>Exhibit C-2</b>
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	<b>Exhibit C-3</b>
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
Sample Copy of Proposal Letter	N/A
List of Interest Owners (ie Exhibit A of JOA)	<b>Exhibit C-3</b>
Chronology of Contact with Non-Joined Working Interests	<b>Exhibit C-4</b>
Overhead Rates in Proposal Letter	N/A

Cost Estimate to Drill and Complete	N/A
Cost Estimate to Equip Well	N/A
Cost Estimate for Production Facilities	N/A
<b>Geology</b>	
Summary (including special considerations)	Exhibit D
Spacing Unit Schematic	Exhibit D-2
Gunbarrel/Lateral Trajectory Schematic	Exhibit D-2
Well Orientation (with rationale)	Exhibit D
Target Formation	Exhibit D, D-4
HSU Cross Section	Exhibit D-3
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
C-102	Exhibit C-1
Tracts	Exhibit C-2
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3
General Location Map (including basin)	Exhibit D-2
Well Bore Location Map	Exhibit D-2
Structure Contour Map - Subsea Depth	Exhibit D-3
Cross Section Location Map (including wells)	Exhibit D-3
Cross Section (including Landing Zone)	Exhibit D-4
<b>Additional Information</b>	
Special Provisions/Stipulations	N/A
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	Paula M. Vance
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	9/5/2024

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

**APPLICATION OF XTO HOLDINGS, LLC  
FOR COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO.**

**CASE NO. 24667**

**APPLICATION**

XTO Holding, LLC (“XTO” or “Applicant”), through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted mineral owners in the Bone Spring formation underlying a standard 959.40-acre, more or less, horizontal well spacing unit comprised of Lots 1-2 (N/2 NE/4 equivalent), S/2 NE/4, and the SE/4 of irregular Section 3, and the E/2 of Sections 10 and 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico. In support of its application, XTO states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and has the right to drill thereon.
2. Applicant seeks to designate XTO Energy, Inc. (OGRID No. 5380) as the operator of the proposed horizontal spacing unit.
3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the proposed **Shanghai Rooster 15-3 Fed #107H** (API No. 30-015-53675) well, to be horizontally drilled from a surface location in the SE/4 SE/4 (Unit P) of Section 15, with a first take point in the SE/4 SE/4 (Unit P) of Section 15 and a last take point in Lot 1 (NE/4 NE/4 equivalent) of irregular Section 3; and the **Shanghai Rooster 15-3 Fed #125H** (API No. 30-015-50096) well, to be horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section

**BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. B  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
Case no. 24667**

15, with a first take point in the SW/4 SE/4 (Unit O) of Section 15 and a last take point in Lot 2 (NW/4 NE/4 equivalent) of irregular Section 3.

4. The completed interval of the **Shanghai Rooster 15-3 Fed #107H** is expected to remain within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of these proximity tracts within the proposed horizontal spacing unit under 19.15.16.15.B(1)(b) NMAC.

5. The **Shanghai Rooster 15-3 Fed #125H** is at a non-standard well location (“NSL”), for which XTO has an approved NSL order. *See* NSL-8488.

6. Applicant has sought and been unable to obtain the signatory approval on the federal communization agreement from all the record title owners.

7. The pooling of record title owners will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 11, 2024, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted record title owners in the horizontal spacing unit; and
- B. Designating XTO Energy, Inc. as operator of this spacing unit and the horizontal well to be drilled thereon.

Respectfully submitted,

HOLLAND & HART LLP

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

Michael H. Feldewert  
Adam G. Rankin  
Paula M. Vance  
Post Office Box 2208  
Santa Fe, NM 87504  
505-988-4421  
505-983-6043 Facsimile  
mfeldewert@hollandhart.com  
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**ATTORNEYS FOR XTO HOLDINGS, LLC**



CASE \_\_\_\_\_: **Application of XTO Holdings, LLC for Compulsory Pooling, Eddy County, New Mexico.** Applicant in the above-styled cause seeks an order pooling all uncommitted mineral owners in the Bone Spring formation underlying a standard 959.40-acre, more or less, horizontal well spacing unit comprised of Lots 1-2 (N/2 NE/4 equivalent), S/2 NE/4, and the SE/4 of irregular Section 3, and the E/2 of Sections 10 and 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico. Said unit will be initially dedicated to the proposed **Shanghai Rooster 15-3 Fed #107H** (API No. 30-015-53675) well, to be horizontally drilled from a surface location in the SE/4 SE/4 (Unit P) of Section 15, with a first take point in the SE/4 SE/4 (Unit P) of Section 15 and a last take point in Lot 1 (NE/4 NE/4 equivalent) of irregular Section 3; and the **Shanghai Rooster 15-3 Fed #125H** (API No. 30-015-50096) well, to be horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section 15, with a first take point in the SW/4 SE/4 (Unit O) of Section 15 and a last take point in Lot 2 (NW/4 NE/4 equivalent) of irregular Section 3. The completed interval of the **Shanghai Rooster 15-3 Fed #107H** is expected to remain within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of these proximity tracts within the proposed horizontal spacing unit under 19.15.16.15.B(1)(b) NMAC. The **Shanghai Rooster 15-3 Fed #125H** is at a non-standard well location (“NSL”), for which XTO has an approved NSL order. Also, to be considered will be the designation of XTO Energy, Inc. as operator of the well. Said area is located approximately 11 miles southeast of Loving, New Mexico.

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
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**APPLICATION OF XTO HOLDINGS, LLC  
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**CASE NO. 24667**

**SELF-AFFIRMED STATEMENT OF VINCENT CUCCERRE**

1. My name is Vincent Cuccerre, and I am employed by XTO Energy Inc. ("XTO"), an affiliate of XTO Holdings, LLC, as a landman. My responsibilities include the Permian Basin of New Mexico. I have previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in petroleum land matters and my credentials have been accepted by the Division and made a matter of record.

2. XTO seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 959.40-acre, more or less, horizontal well spacing unit comprised of Lots 1-2 (N/2 NE/4 equivalent), S/2 NE/4, and the SE/4 of irregular Section 3, and the E/2 of Sections 10 and 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico. The unit is dedicated to the drilled and completed **Shanghai Rooster 15-3 Fed #107H** (API No. 30-015-53675) well, horizontally drilled from a surface location in the SE/4 SE/4 (Unit P) of Section 15, with a first take point in the SE/4 SE/4 (Unit P) of Section 15 and a last take point in Lot 1 (NE/4 NE/4 equivalent) of irregular Section 3; and the **Shanghai Rooster 15-3 Fed #125H** (API No. 30-015-50096) well, horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section 15, with a first take point in the SW/4 SE/4 (Unit O) of Section 15 and a last take point in Lot 2 (NW/4 NE/4 equivalent) of irregular Section 3.

BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. C  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
Case no. 24667

3. The completed interval of the **Shanghai Rooster 15-3 Fed #107H** is within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of these proximity tracts within the horizontal spacing unit under 19.15.16.15.B(1)(b) NMAC.

4. XTO has an approved non-standard well location (“NSL”) order for the **Shanghai Rooster 15-3 Fed #125H**. See NSL-8488.

5. **XTO Exhibit C-1** contains a Form C-102 for each of the wells. This form demonstrates that the completed interval for the **Shanghai Rooster 15-3 Fed #107H** complies with the statewide setbacks for oil wells and that each of the wells is in the Willow Lake, Bone Spring, Southeast Pool [96217].

6. **XTO Exhibit C-2** identifies the tracts of land comprising the spacing unit and the lateral trajectory of the wells. The acreage is comprised of federal lands.

7. XTO has reached a voluntary agreement with all working interest owners in this unit but seeks a pooling order for record title owners, which are non-cost bearing interest owners, who have yet to execute the necessary federal communitization agreements. The parties that XTO seeks to pool are highlighted in yellow in **XTO Exhibit C-3**.

8. XTO has reviewed public records, conducted online computer searches and, where applicable, contacted known relatives to locate contact information for all interest owners that it seeks to pool. XTO has been able to locate addresses for all the owners it seeks to pool.

9. **XTO Exhibit C-4** contains a chronology of the contacts with the record title holders that XTO seeks to pool and XTO’s attempts to obtain signatory approval on the federal communization agreement from them. In my opinion, XTO has undertaken good faith, diligent efforts to reach agreement with each interest owner.

10. Because the interest XTO seeks to pool is a non-cost bearing interest, XTO is not requesting to assess a proportionate share of costs, risk charges, or overhead and administrative costs for drilling and producing the well.

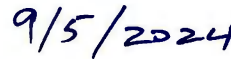
11. XTO has provided the law firm of Holland & Hart LLP with the names and addresses of the record title owners XTO seeks to pool and instructed that they be notified of this hearing.

12. **XTO Exhibits C-1 through C-4** were either prepared by me or compiled under my direction and supervision.

13. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.



Vincent Cuccerre



Date

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

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

Submitted by: XTO Energy, Inc
Hearing Date: September 12, 2024
Case no. 24667

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number (30-015-50097), Pool Code (96217), Pool Name (Willow Lake; Bone Spring, Southeast), Property Code, Property Name (SHANGHAI ROOSTER 15-3 FED), Well Number (107H), OGRID No. (005380), Operator Name (XTO ENERGY, INC.), Elevation (3,081')

10 Surface Location

Table with 10 columns: UL or lot no. (P), Section (15), Township (25 S), Range (29 E), Lot Idn, Feet from the (341), North/South line (SOUTH), Feet from the (1,185), East/West line (EAST), County (EDDY)

11 Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no. (1), Section (3), Township (25 S), Range (29 E), Lot Idn, Feet from the (50), North/South line (NORTH), Feet from the (1,320), East/West line (EAST), County (EDDY)

Table with 5 columns: 12 Dedicated Acres (959.4), 13 Joint or Infill, 14 Consolidation Code, 15 Order No.

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

16 SHL (NAD83 NME) LTP (NAD83 NME) ... 17 OPERATOR CERTIFICATION ... 18 SURVEYOR CERTIFICATION ... Includes corner coordinates, grid information, and professional seals for Jessica Dooling and Mark Dillon Harp.

District I  
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Phone: (575) 393-6161 Fax: (575) 393-0720  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-50096		<sup>2</sup> Pool Code 96217		<sup>3</sup> Pool Name WILLOW LAKE; BONE SPRING, SOUTHEAST	
<sup>4</sup> Property Code 333604		<sup>5</sup> Property Name SHANGHAI ROOSTER 15-3 FED			<sup>6</sup> Well Number 125H
<sup>7</sup> OGRID No. 005380		<sup>8</sup> Operator Name XTO ENERGY, INC.			<sup>9</sup> Elevation 3,069'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	25 S	29 E		330	SOUTH	2,530	EAST	EDDY

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

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	3	25 S	29 E		50	NORTH	2,590	WEST	EDDY

<sup>12</sup> Dedicated Acres 959.40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. -NSL-8488
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**16 LEGEND**

- SECTION LINE
- WELLBORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- DEDICATION ACREAGE

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y = 408,912.4	X = 424,406.4	Y = 408,912.4	X = 424,406.4
X = 653,224.7	X = 653,126.6	Y = 408,912.4	X = 424,406.4
LAT. = 32.123663° N	LAT. = 32.166256° N	LAT. = 32.123663° N	LAT. = 32.166256° N
LONG. = 103.971908° W	LONG. = 103.972057° W	LONG. = 103.971908° W	LONG. = 103.972057° W

FTP (NAD83 NME)		BHL (NAD83 NME)	
Y = 408,682.0	X = 424,456.4	Y = 408,682.0	X = 424,456.4
X = 653,166.1	X = 653,126.6	Y = 408,682.0	X = 424,456.4
LAT. = 32.123030° N	LAT. = 32.166393° N	LAT. = 32.123030° N	LAT. = 32.166393° N
LONG. = 103.972100° W	LONG. = 103.972057° W	LONG. = 103.972100° W	LONG. = 103.972057° W

**CORNER COORDINATES (NAD83 NME)**

A-Y = 408,581.6 N	X = 653,106.0 E
B-Y = 411,236.4 N	X = 653,091.8 E
C-Y = 413,880.4 N	X = 653,077.7 E
D-Y = 416,544.8 N	X = 653,072.5 E
E-Y = 419,202.6 N	X = 653,067.3 E
F-Y = 421,856.6 N	X = 653,059.3 E
G-Y = 424,506.1 N	X = 653,051.4 E
H-Y = 408,589.2 N	X = 654,431.2 E
I-Y = 411,243.4 N	X = 654,418.1 E
J-Y = 413,893.3 N	X = 654,405.3 E
K-Y = 416,553.2 N	X = 654,399.0 E
L-Y = 419,210.1 N	X = 654,392.5 E
M-Y = 421,865.0 N	X = 654,388.5 E
N-Y = 424,511.4 N	X = 654,384.0 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y = 408,853.9	X = 424,347.6	Y = 408,853.9	X = 424,347.6
X = 612,040.5	X = 611,942.7	Y = 408,853.9	X = 424,347.6
LAT. = 32.123539° N	LAT. = 32.166131° N	LAT. = 32.123539° N	LAT. = 32.166131° N
LONG. = 103.971421° W	LONG. = 103.971569° W	LONG. = 103.971421° W	LONG. = 103.971569° W

FTP (NAD27 NME)		BHL (NAD27 NME)	
Y = 408,623.5	X = 424,397.6	Y = 408,623.5	X = 424,397.6
X = 611,981.8	X = 611,942.7	Y = 408,623.5	X = 424,397.6
LAT. = 32.122906° N	LAT. = 32.166269° N	LAT. = 32.122906° N	LAT. = 32.166269° N
LONG. = 103.971613° W	LONG. = 103.971568° W	LONG. = 103.971613° W	LONG. = 103.971568° W

**CORNER COORDINATES (NAD27 NME)**

A-Y = 408,523.2 N	X = 611,921.7 E
B-Y = 411,177.9 N	X = 611,907.5 E
C-Y = 413,821.7 N	X = 611,893.5 E
D-Y = 416,486.1 N	X = 611,888.3 E
E-Y = 419,143.8 N	X = 611,883.2 E
F-Y = 421,797.8 N	X = 611,875.4 E
G-Y = 424,447.3 N	X = 611,867.5 E
H-Y = 408,530.7 N	X = 613,246.9 E
I-Y = 411,184.9 N	X = 613,233.9 E
J-Y = 413,834.6 N	X = 613,221.1 E
K-Y = 416,494.5 N	X = 613,214.9 E
L-Y = 419,151.4 N	X = 613,208.5 E
M-Y = 421,806.2 N	X = 613,204.5 E
N-Y = 424,452.6 N	X = 613,200.1 E

**17 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Jena Austin* Date: 04/25/2024

Printed Name: Jena Austin  
E-mail Address: Jena.N.Austin

**18 SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: 4-17-2024  
Signature and Seal of Professional Surveyor: *Tim C. Pappas*

TIM C. PAPPAS 21209  
Certificate Number: AW/LM 2018020657

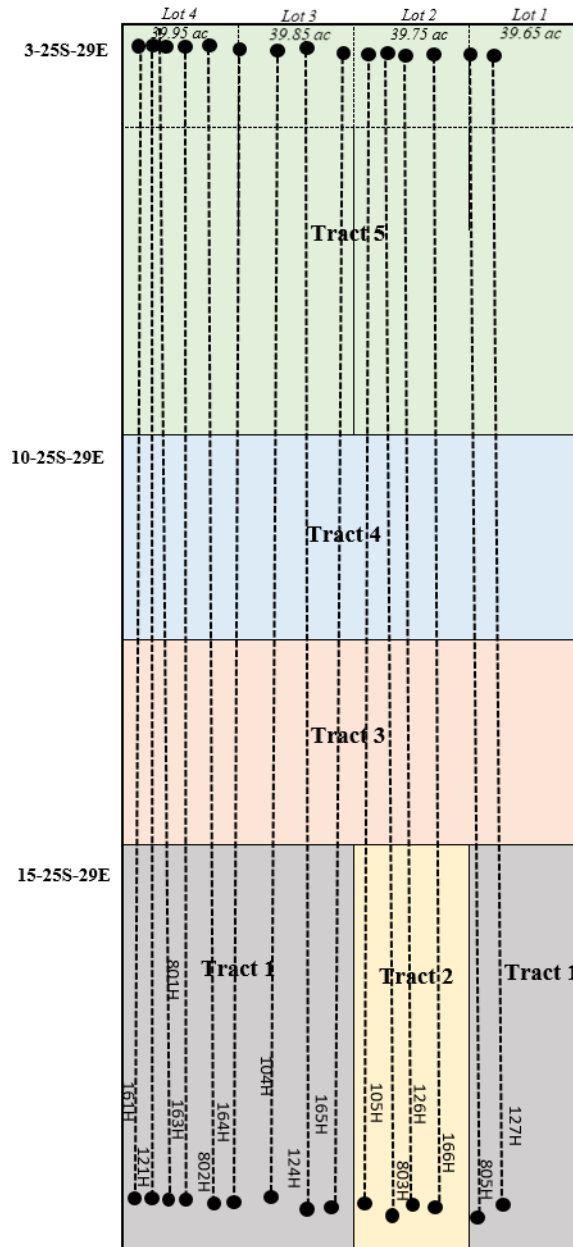
### Case No. 24670: XTO Exhibit C-2

#### Shanghai Rooster 15-3 Fed (15K ALL WC)

Plat of communitized area covering 1,919.20 acres in Township 25 South, Range 29 East, Lot 1 (39.65 ac), Lot 2 (39.75 ac), Lot 3 (39.85 ac), Lot 4 (39.95 ac), S2/NE/4, SE/4, S/2NW/4, SW/4 Section 3, All Section 10, All Section 15, N.M.P.M., Eddy County, New Mexico

Shanghai Rooster 15-3 Fed 104H, 105H, 127H, 121H, 124H, 126H, 161H, 163H, 164H, 165H, 166H, 801H, 802H, 803H, 805H

#### Wolfcamp Formation



BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. C-2  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
Case no. 24667

## Surface and Bottom Hole Locations

### Shanghai Rooster 15-3 Fed

#104H SHL 330' FSL & 2,130' FWL SEC 15-25S-29E  
#104H BHL 200' FNL & 2,010' FWL SEC 3-25S-29E  
#105H SHL 300' FSL & 2,530' FEL SEC 15-25S-29E  
#105H BHL 200' FNL & 2,430' FEL SEC 3-25S-29E  
#121H SHL 230' FSL & 416' FWL SEC 15-25S-29E  
#121H BHL 200' FNL & 540' FWL SEC 3-25S-29E  
#124H SHL 300' FSL & 2,130' FWL SEC 15-25S-29E  
#124H BHL 200' FNL & 2,220' FWL SEC 3-25S-29E  
#126H SHL 329' FSL & 2,230' FEL SEC 15-25S-29E  
#126H BHL 200' FNL & 2,010' FEL SEC 3-25S-29E  
#127H SHL 310' FSL & 1,185' FEL SEC 15-25S-29E  
#127H BHL 200' FNL & 540' FEL SEC 3-25S-29E  
#161H SHL 230' FSL & 386' FWL SEC 15-25S-29E  
#161H BHL 200' FNL & 330' FWL SEC 3-25S-29E  
#163H SHL 360' FSL & 1,830' FWL SEC 15-25S-29E  
#163H BHL 200' FNL & 1,170' FWL SEC 3-25S-29E  
#164H SHL 360' FSL & 2,130' FWL SEC 15-25S-29E  
#164H BHL 200' FNL & 1,590' FWL SEC 3-25S-29E  
#165H SHL 360' FSL & 2,530' FEL SEC 15-25S-29E  
#165H BHL 200' FNL & 2,430' FWL SEC 3-25S-29E  
#166H SHL 360' FSL & 2,230' FEL SEC 15-25S-29E  
#166H BHL 200' FNL & 1,590' FEL SEC 3-25S-29E  
#801H SHL 230' FSL & 446' FWL SEC 15-25S-29E  
#801H BHL 200' FNL & 750' FWL SEC 3-25S-29E  
#802H SHL 300' FSL & 1,830' FWL SEC 15-25S-29E  
#802H BHL 200' FNL & 1,380' FWL SEC 3-25S-29E  
#803H SHL 300' FSL & 2,230' FEL SEC 15-25S-29E  
#803H BHL 200' FNL & 2,220' FEL SEC 3-25S-29E  
#805H SHL 370' FSL & 1,185' FEL SEC 15-25S-29E  
#805H BHL 200' FNL & 1,380' FEL SEC 3-25S-29E



Operator of Communitized Area: **XTO Energy Inc.**

**Case No. 24670: XTO Exhibit C-3**

DESCRIPTION OF LEASES COMMITTED

Tract No. 1

Lease Serial Number: NMNM-014778

Description of Land Committed: Township 25 South, Range 29 East,  
NMPM, Section 15: E/2E/2, W/2

Number of Acres: 480 .00

Current Lessee of Record Not Committed: BAGAM Ltd (Salt Fork Limited) 7.500000%  
 CNX Gas Co. LLC.....50.000000%  
 Edward K Gaylord II (Tourmalin).2.500000%  
 J Guinn Family Trust A .....0.500000%  
 J Guinn Family Trust M .....0.500000%

Tract No. 2

Lease Serial Number: NMNM-014778

Description of Land Committed: Township 25 South, Range 29 East,  
NMPM, Section 15: W/2E/2

Number of Acres: 160 .00

Current Lessee of Record Not Committed: BAGAM Ltd (Salt Fork Limited) 7.500000%  
 CNX Gas Co. LLC.....50.000000%  
 Edward K Gaylord II (Tourmalin).2.500000%  
 J Guinn Family Trust A .....0.500000%  
 J Guinn Family Trust M .....0.500000%

BEFORE THE OIL CONSERVATION DIVISION  
 Santa Fe, New Mexico  
 Exhibit No. C-3  
 Submitted by: XTO Energy, Inc  
 Hearing Date: September 12, 2024  
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Tract No. 3

Lease Serial Number: NMNM-136870  
Description of Land Committed: Township 25 South, Range 29 East,  
NMPM, Section 10: S/2  
Number of Acres: 320.00  
Current Lessee of Record: XTO Holdings, LLC

Tract No. 4

Lease Serial Number: NMNM-136870  
Description of Land Committed: Township 25 South, Range 29 East,  
NMPM, Section 10: N/2  
Number of Acres: 320.00  
Current Lessee of Record: XTO Holdings, LLC

Tract No. 5

Lease Serial Number: NMNM-015302  
Description of Land Committed: Township 25 South, Range 29 East,  
NMPM, Section 3: Lot 1 (39.65 ac), Lot 2 (39.75  
ac), Lot 3 (39.85 ac), Lot 4 (39.95 ac), S2/NE/4, SE/4,  
S/2NW/4, SW/4  
Number of Acres: 639.20  
Current Lessee of Record: XTO Holdings, LLC

**RECAPITULATION**

<u>No.</u>	<u>No. of Acres Committed</u>	<u>Percentage of Interest Tract in Communitized Area</u>
1	480.00	25.010421%
2	160.00	8.336807%
3	320.00	16.673614%
4	320.00	16.673614%
5	<u>639.20</u>	<u>33.305544%</u>
<b>Total</b>	<b>1,919.20</b>	<b>100.0000%</b>

BAGAM -> SALT FORK LIMITED	CNX GAS CO LLC	EDWARD K GAYLORD (TOURMALIN)	J GUINN FAMILY TRUST A	J GUINN FAMILY TRUST M
4.20.2023 -USPS Express Mail EJ 758 962 94	4.20.2023- USPS Express Mail EJ 758 962 93	4.20.2023-USPS Express Mail (EKG address) EJ 758 962 987	4.20.2023-USPS Express Mail EJ 758 962 96	4.20.2023-USPS Express Mail EJ 758 962 960 US
<a href="mailto:bwhite@breckop.com">5.2.2023- via Email bwhite@breckop.com</a>	<a href="mailto:LandRecords@cnx.com">5.15.2023- via Email LandRecords@cnx.com</a>	<a href="mailto:LandRecords@cnx.com">5.19.2023- via Email LandRecords@cnx.com</a>		
<a href="mailto:bwhite@breckop.com">5.8.2023- via Email bwhite@breckop.com</a>	<a href="mailto:LandRecords@cnx.com">5.19.2023- via Email LandRecords@cnx.com</a>	5.5.2023-USPS Express Mail (Tourmalin Address) EJ 252319492 US		
5.8.23- via USPS Express Mail EE 252321195	<a href="mailto:LandRecords@cnx.com">5.23.2023- via Email LandRecords@cnx.com</a>			
<a href="mailto:bwhite@breckop.com">5.19.2023- via Email bwhite@breckop.com</a>	<a href="mailto:evanmungai@cnx.com">6.9.2023- via Email evanmungai@cnx.com</a>			
<a href="mailto:bwhite@breckop.com">6.20.2023- via Email bwhite@breckop.com</a>	<a href="mailto:evanmungai@cnx.com">6.20.2023- via Email evanmungai@cnx.com</a>			
Notes: Unwilling to sign. Multiple attempts to gather signatures but the LOR expressed unwillingness to sign.	Notes: Unwilling to sign. Multiple attempts to gather signatures from LOR. LOR did not further communicate with XTO and did not provided the requested signatures.	Notes: Unresponsive/ Unable to reach. LOR was unable to be reached at the last known address(es).	Notes: Unresponsive/ Unable to reach. LOR was unable to be reached at the last known address(es).	Notes: Notes: Unresponsive/ Unable to reach. LOR was unable to be reached at the last known address(es)./ Unable to reach

BEFORE THE OIL CONSERVATION DIVISION  
 Santa Fe, New Mexico  
 Exhibit No. C-4  
 Submitted by: XTO Energy, Inc  
 Hearing Date: September 12, 2024  
 Case no. 24667

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

**APPLICATION OF XTO HOLDINGS, LLC  
FOR COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO.**

**CASE NO. 24667**

**SELF-AFFIRMED STATEMENT OF GARY OTTINGER**

1. My name is Gary Ottinger, and I am employed by XTO Energy Inc. ("XTO"), an affiliate of XTO Holdings, LLC, as a geologist.

2. I have not previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in geology matters. I have included a copy of my resume as **XTO Exhibit D-1** for the Division to review and respectfully request that my credentials be accepted as a matter of record, and I be tendered as an expert in geology matters.

3. I am familiar with the application filed by XTO in this case, and I have conducted a geologic study of the lands in the subject area.

4. **XTO Exhibit D-2** is a regional map showing the location of the subject acreage outlined in red.

5. **XTO Exhibit D-3** is a subsea structure map that I prepared on top of the Bone Spring formation, with contour intervals of 100 feet. XTO's spacing unit is outlined in red, and the general location and trajectory of the drilled wells are identified with a thin red line and diamond at the bottomhole location. This exhibit demonstrates that the targeted intervals dip gently to the east. The Bone Spring structure appears consistent across the wellbore path. I do not observe any faulting, pinchouts, or other geologic impediments in the spacing unit.

BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. D  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
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6. XTO Exhibit D-3 also depicts a line of cross section through the horizontal spacing unit from A to A'. I chose the logs from these wells to create the cross section because they penetrate the targeted interval and are of good quality. In my opinion, these well logs are representative of the geology in the subject area.

7. **XTO Exhibit D-4** is a structural cross section that I prepared using the logs from the representative wells shown on XTO Exhibit D-3. Each well on the cross-section contains gamma ray, resistivity, and porosity logs. The target interval for the wells is identified on the exhibit with a black arrow. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing unit.

8. My geologic study indicates the Bone Spring formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the horizontal spacing unit will be productive and contribute proportionately to the production from the wells.

9. In my opinion, the standup orientation of the wells is consistent with existing development in this area and appropriate due to the geologic stress.

10. In my opinion, approval of this application is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

11. **XTO Exhibits D-1 through D-4** were either prepared by me or compiled under my direction and supervision.

12. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.

Gary Ottinger  
Gary Ottinger

9/5/24  
Date

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**Gary A. Ottinger**  
*Geoscientist*

ExxonMobil  
22777 Springwoods Village Parkway  
Spring, TX 77389  
Work phone: 346.998.260  
Work email: [gary.a.ottinger@exxonmobil.com](mailto:gary.a.ottinger@exxonmobil.com)

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**Education:**

B.S. Geology, University of Tennessee, August 1995

Primary courses: Mineralogy, Paleobiology, Igneous/Metamorphic Petrology, Stratigraphy/Sedimentation, Structural Geology, Environmental Geology, Hydrogeology, Geomorphology, Fieldwork methods, Modern/Ancient carbonate systems

M.S. Geology, University of Tennessee, August 1999

Carbonate sedimentology and stratigraphy emphasis

*Thesis title: Depositional and diagenetic relationships of the Honaker Dolomite and Nolichucky Formational boundary, Cambrian, Conasauga Group, southern Appalachians*

Primary courses: Carbonate Sedimentology, Tectonics and Sedimentation, Contaminant Hydrogeology, Geochemistry, Geophysics

**Employment history:**

**Thress Nursery Gardens**, Knoxville, TN (Fall 1988-Winter 1997) – Lead nurseryman and landscaper. Responsible for nursery stock care/maintenance and supervising associates in daily activities, interfacing frequently with clientele and conducting base business operations.

**University of Tennessee** (Winter 1997-Summer 1998) – Graduate Teaching Assistant in Department of Geological Sciences. Responsible for preparing notes, lecturing, administering exams and reporting grades. Also helped lead and organize geology field trips in the area as well as coordinate geology presentations for K-12 students/teachers.

**Exxon Exploration Company**, Houston, TX (Summer 1998) - Summer intern with Gulf of Mexico Prospect Evaluation team. Worked Tertiary deepwater clastics systems integrating exploration wells, 3D seismic interpretation and seismic facies analysis to better characterize the geologic evolution of a salt mini-basin.

**Exxon Company USA**, New Orleans, LA (Summer 1999) – Summer intern with Central Gulf of Mexico team. Worked a mature field in a nearshore clastic province dominated by salt tectonics in an effort to identify future drillwell opportunities. Additionally, evaluated the hydrocarbon potential of a major salt dome caprock. Primary duties



included well log correlation, 3D seismic interpretation, investigating salt-sediment interactions and subsurface mapping. Added two prospects to the opportunity seriatim.

**ExxonMobil** (December 2000 – present)

**Dec 2000 – Apr 2003:** *Participation and completion of ExxonMobil's industry-leading New Hire Development Program. A brief summary of each rotational assignment within different organizations (Exploration, Production and Technology) follows.*

*Rotation 1 Summary (Exploration): 8 months in Business Development*

Evaluated the hydrocarbon potential of an offshore block in the Gulf of Oman and helped to reconcile the assessed volumes between heritage companies (Exxon and Mobil). Skills learned/enhanced: facies and paleogeographic mapping, play element distribution, multi-data integration, sequence stratigraphy.

Conducted farm-in evaluation, Taranaki Basin, offshore New Zealand. Skills learned/enhanced: 2D seismic interpretation, well log correlation, reservoir characterization and mapping; trap integrity.

*Rotation 2 Summary (Production): 8 months in South Texas Vicksburg Trend.*

Generated an opportunity seriatim for a portion of the King Ranch acreage using various 3D seismic volumes and leveraging new proprietary AVO products and technology. Made recommendation to management concerning exploration/redevelopment potential of the area and submitted a well proposal to initiate a new drilling program. Skills learned/enhanced: 3D seismic interpretation, seismic volume co-rendering, synthetic generation, well log correlation, depth conversion, subsurface mapping.

*Rotation 3 Summary (Technology): 11 months in Geophysical Resources.*

Worked multiple projects including: onshore survey design, synthetic generation, geophysical forward modeling, polar anisotropy detection and investigating alternative ways to predict porosity and permeability. All but one of the projects focused on Middle East carbonates. Skills learned/enhanced: general understanding of geophysical methods, technologies and applications, rock properties, seismic forward modeling, synthetic generation.

**Apr 2003 - Jan 2006:** *Angola-Congo Regional Exploration team, Houston*

Stratigrapher on the Presalt Hydrocarbon System project, a joint technical study between ExxonMobil and Sonangol. Evaluated the main plays of the presalt hydrocarbon system and explored for new opportunities regionally, both onshore and offshore. Responsible for paleogeographic and facies mapping, play element distribution mapping, risking, and assessment, mentoring Sonangol geoscientists in seismic interpretation and carbonate stratigraphy; and organizing all facets of the project plan related to carbonate characterization (core description, integration and analysis, reservoir quality, producibility). Also served as advisor on all carbonate-related tasks for the greater Angola Exploration block team.

*Initiation and completion of ExxonMobil's carbonate internship. Skills learned/enhanced: modern carbonate systems (Bahamas, Turks and Caicos, Abu Dhabi), ancient carbonate systems (UAE, United States, Canada), seismic stratigraphy, sequence stratigraphy, core description skills, petrography, section measuring*

**Jan 2006 – Jul 2008:** *Middle East Regional Exploration team, Houston*

Carbonate stratigrapher. Mapped major sequence boundaries across the Arabian Plate to evaluate the tectonostratigraphic evolution of the Middle East and generated regional input grids for a plate-scale thermal maturity model. Also evaluated all plays in Oman for remaining opportunities and established several stratigraphic frameworks across the region by integrating seismic data, well log correlations and lithologic descriptions. Other opportunities: described Upper Zakum core in Abu Dhabi and generated facies maps for key reservoir zones; co-taught ExxonMobil carbonate core description workshop; participated in research-based fieldwork in the Grayburg Formation of west Texas and also worked on Cretaceous outcrops in Oman to develop a field training course.

**Jul 2008 – Jul 2018:** *Abu Dhabi National Oil Company (ADNOC), Abu Dhabi, U.A.E.*

Lead Stratigrapher and Reservoir Characterization expert. Seconded to ADNOC Offshore as part of a joint project between ExxonMobil, ADNOC and INPEX to develop one of the largest offshore oil fields in the world. Primary responsibilities included coordinating, conducting and overseeing all reservoir characterization inputs for next generation 3D geologic models, advising during the model build and maintenance phases of those models, teaching/mentoring U.A.E. Emiratis in all stratigraphy-related tasks/best practices, assisting team members with prioritizing analytical and data needs, and stewarding core data acquisition to address key subsurface uncertainties. Co-instructed Applied Seismic Interpretation School and Carbonate Seismic/Sequence Stratigraphy and Reservoir Characterization Concepts courses in Abu Dhabi. Co-led several technical workshops and field trips in the U.A.E as well as made technical presentations at key conferences.

**Jul 2018 – Jun 2020:** *Business Development / Global New Opportunities team, Houston*

Carbonate geologist/advisor on a strategic, global-scale opportunity generation carbonate thematic project. Main responsibilities included exploring high-graded basins for opportunities, building a global-scale database of carbonate fields and reservoir properties, evaluating farm-ins and mentoring. Also worked with management to strategically identify the next thematic project based on business landscape, internal expertise/capabilities and commercial fit.

**Jun 2020 – Sep 2021:** *Research / Carbonate Reservoir Performance team, Houston*

Technical Lead of the Tupi Dynamic Field Study. Main responsibilities included guiding a multi-discipline virtual team with different backgrounds and expertise to investigate dynamic performance of lacustrine carbonate reservoirs, a key uncertainty tied to several opportunities in the ExxonMobil exploration portfolio.

Advised and mentored less experienced team members on integration of reservoir characterization with production data to ultimately make improved predictions on subsurface performance.

**Sep 2021 – Present:** *Unconventionals / Permian Delaware – New Mexico team, Houston* Development geoscientist. Responsibilities include well planning and geological operations, asset development, geological mapping and interpretation within Eddy County, New Mexico

**Skillset:**

Petrel, Kingdom, Wellcad, ArcGIS, Tableau, various ExxonMobil proprietary softwares.

Formal training: Applied Subsurface Mapping, Applied Seismic Interpretation, Formation Evaluation, Fundamentals of Sequence Stratigraphy, ArcGIS, Compressional Tectonics and Sedimentation, numerous ExxonMobil carbonate courses, Core Analysis Workshop, multiple Petrel courses, Integrated Reservoir Characterization and Modeling, Reservoir Surveillance, Tableau, Field Safety Leadership

**Honors/Awards:**

- Outstanding Mentor Award (2005) – ExxonMobil Exploration Company
- Best Graduate Teaching Assistant Award (1998) – University of Tennessee
- Recipient of Don Jones Field Camp Scholarship (Summer, 1995)

**Leadership:**

- Appointed Middle East Safety Coordinator by ExxonMobil management
- Mentored numerous geoscientists at ExxonMobil & ADNOC
- Served as Job Officer on various outsourced projects in ADNOC
- Appointed ExxonMobil safety/security focal point while residing in UAE
- Coordinator for Integrated Reservoir Characterization and Modeling field course
- Safety Leader for the Carbonate Thematic team
- Project Leader of the Tupi Dynamic Field Study

**Select Publications:**

Al-Neyadi, A., G. Ottinger, A. Deshpande, M. Al-Suwaidi, H. Al-Zawa, E. Edwards, K. Akatsuka, Characterization and Geologic Modeling of Dolomitized Burrows Within a Supergiant Carbonate Field, Offshore Abu Dhabi, oral presentation at GEO2012 conference, Bahrain

Al-Suwaidi, M., M. Williams, G. Ottinger, 2010, Application of Digital Core Description Methods in a Reservoir Characterization Study: A Review of Traditional Versus Potential Future Methods: SPE 137963, ADIPEC 2010 conference, Abu Dhabi

Alway, R., P. Holterhoff, R. Broomhall, G. Ottinger, S. Kaczmarek, M. Hicks, T. Hensley, E. Miles, C. Iannello-Bachtel, High Resolution Sequence Stratigraphy of the Grayburg Formation from Last Chance Canyon New Mexico: AAPG Abstract #90104 2010 Conference

- Foster, C.J., Dunagan, S.P., Glumac, B., Ottinger, G.A., and Walker, K.R., 1997, Diagenesis of the Sneedville Formation, Upper Silurian (Pridoli), northeastern Tennessee: Southeastern Geological Society of America Abstracts with Programs, v. 29, p. 17.
- Fullmer S., Guidry, S., Gournay, J., Bowlin, E., Ottinger, G., Al Neyadi, A., Gupta, G., Gao, B., and Edwards, E., 2014, Microporosity: Characterization, Distribution, and Influence on Oil Recovery: IPTC 17629-MS, January 2014, Doha Qatar
- Ottinger, G.A., Dunagan, S.P., Foster, C.J., Glumac, B., and Walker, K.R., 1997, Depositional packages of the uppermost Honaker Dolomite and lower Nolichucky Formation (Middle Cambrian, Conasauga Group): Evolving carbonate sedimentation in a platformal to deep water setting: Southeastern Geological Society of America Abstracts with Programs, v. 29, p. 61.
- Ottinger, G., Burton, J., Gibbons, S., Wachtman, R., Willan, C., and Bachtel, S.; “Carbonate internship modern field module – Observations and hypotheses from a modern isolated carbonate buildup, British West Indies, Turks and Caicos Islands, West Caicos”, poster at 2004 ExxonMobil Carbonate Symposium, Houston, Tx.
- Ottinger, G., Bachtel, S., Pitcher, D., Kendall, J., Mariano, J., and Handwerk, R.; “Large-scale seismic geometries as a guide to regional well log correlation in a highly structured setting: Cretaceous carbonates, Angola”, oral presentation at 2004 ExxonMobil Carbonate Symposium, Houston, Tx.
- Ottinger, G., Kompanik, G., Al Suwaidi, M., Brantferger, K., Edwards, H.; “Integration of subsurface data, modern analog concepts and history matching feedback to model a thick carbonate reservoir, offshore Abu Dhabi (SPE161715)”, ADIPEC, November 2012, Abu Dhabi, UAE.
- Schiefelbein, I., Ottinger, G., Kendall, J., and Bachtel, S.; “Dynamic interplay of basement tectonics, salt deformation and carbonate sedimentation: exploration implications from an Albian carbonate play, Kwanza Basin, Angola”, oral presentation at 2005 ExxonMobil Integration Symposium, Houston, Tx.
- Guidry, S. and Ottinger, G., “Jinguinga-1 Petrographic Study, Block 33, Angola”, ExxonMobil Upstream Research Company, Reservoir Characterization Division, June 2005. Internal company report.
- Kozar, M.G., Wachtman, R., Ottinger, G., Jones, G., Iannello, C., Gibbons, S., Willan, C., Weber, J., Potma, K., Strohmenger, C., Al-Mousawi, F., Al Dayyani, T., and Al-Shamry, A.; “Biostratigraphy, Chemostratigraphy and subsurface correlation of the Permo-Triassic interval in the Arabian Platform and the Musandam Peninsula, Ras Al-Kaimah, United Arab Emirates”, poster at GEO 2008 conference, Bahrain.
- Pietraszek-Mattner, S., Maze, W., Ottinger, G., Chaker, R., Hardy, M.J., and Grabowski, G.; “Hydrocarbon system model for the Arabian Plate”, poster at GEO 2008 conference, Bahrain.
- Pietraszek-Mattner, S., Grabowski, G., Chaker, R., Maze, W., Ottinger, G., Hardy, M.J.; “Thermal Maturity Model of the Arabian Plate (SPE 118201)”, ADIPEC, November 2008, Abu Dhabi, UAE
- Yamamoto, K., Al-Zinati, O., Ottinger, G., Edwards, H.; Origin and development of a high-K dolomitized unit in an early Cretaceous carbonate reservoir, offshore Abu

- Dhabi, UAE: significance of depositional and diagenetic controls on reservoir quality”, poster at GEO 2012 conference, Bahrain
- Yamamoto, K., Al-Zinati, O., Ottinger, G., Edwards, H., Kompanik, Al-Ameri, M.B.; “Permeability characterization of a high-K dolomitized interval: a case study from an early Cretaceous carbonate reservoir of a giant oil field, offshore Abu Dhabi, United Arab Emirates (SPE148254)”, SPE Reservoir Characterization and Simulation Conference and Exhibition, October 2012, Abu Dhabi
- Yamamoto, K., Kompanik, G., Brantferger, K., Al-Zinati, O., Ottinger, G., Al-Ali, A., Dodge, S., Edwards, H.; “Permeability model conditioning of a thin, heterogeneous high-K dolomitized unit in a supergiant carbonate field, offshore Abu Dhabi (SPE161687)”, ADIPEC, November 2012, Abu Dhabi, UAE
- Yamamoto, K., Ottinger, G., Al-Zinati, O., Takayanagi, H., Yamamoto, K., Yasufumi, I.; “Geochemical, petrographical, and petrophysical evaluations of a heterogeneous, stratiform dolomite from a Barremian oil field, offshore Abu Dhabi (United Arab Emirates)”, AAPG Bulletin, v.102, no.1, January 2018, pp.129-152

**Professional and Academic Memberships:**

- American Association of Petroleum Geologists – (1996-present)
- EAGE committee member for 2<sup>nd</sup> Arabian Plate Geology Workshop (2010)
- Golden Key National Honor Society (1993-1999)
- UGGA (Undergraduate Geology Association) (1992-1995)
- Sigma Gamma Epsilon (1994-1999)

**Personal Interests:**

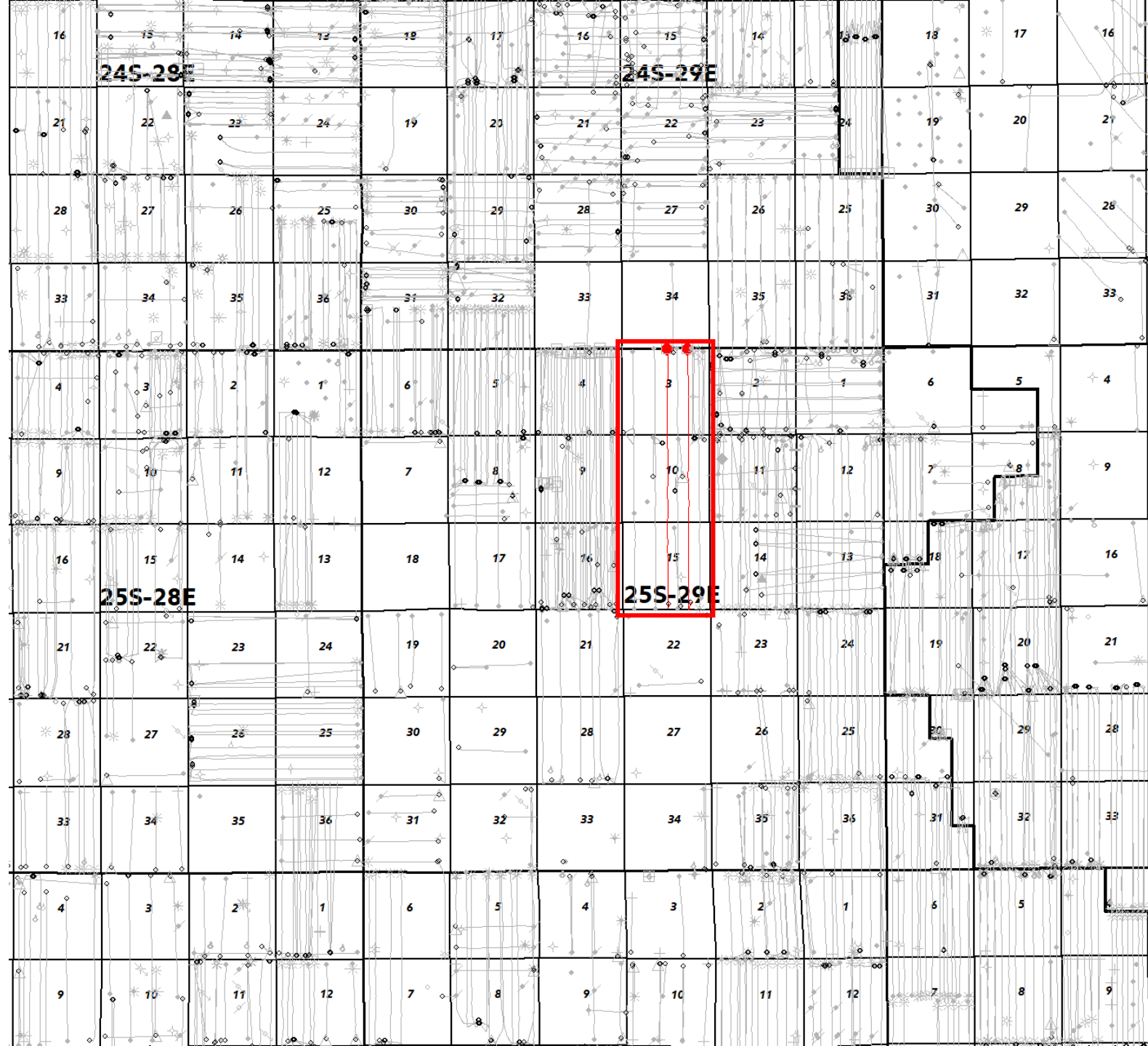
Playing drums  
Sports – Softball, Football, Basketball, Golf  
Strength training and exercise  
Traveling

# Case # 24667

For Bone Spring wells: 107H, 125H

# Exhibit D-2

## Locator Map

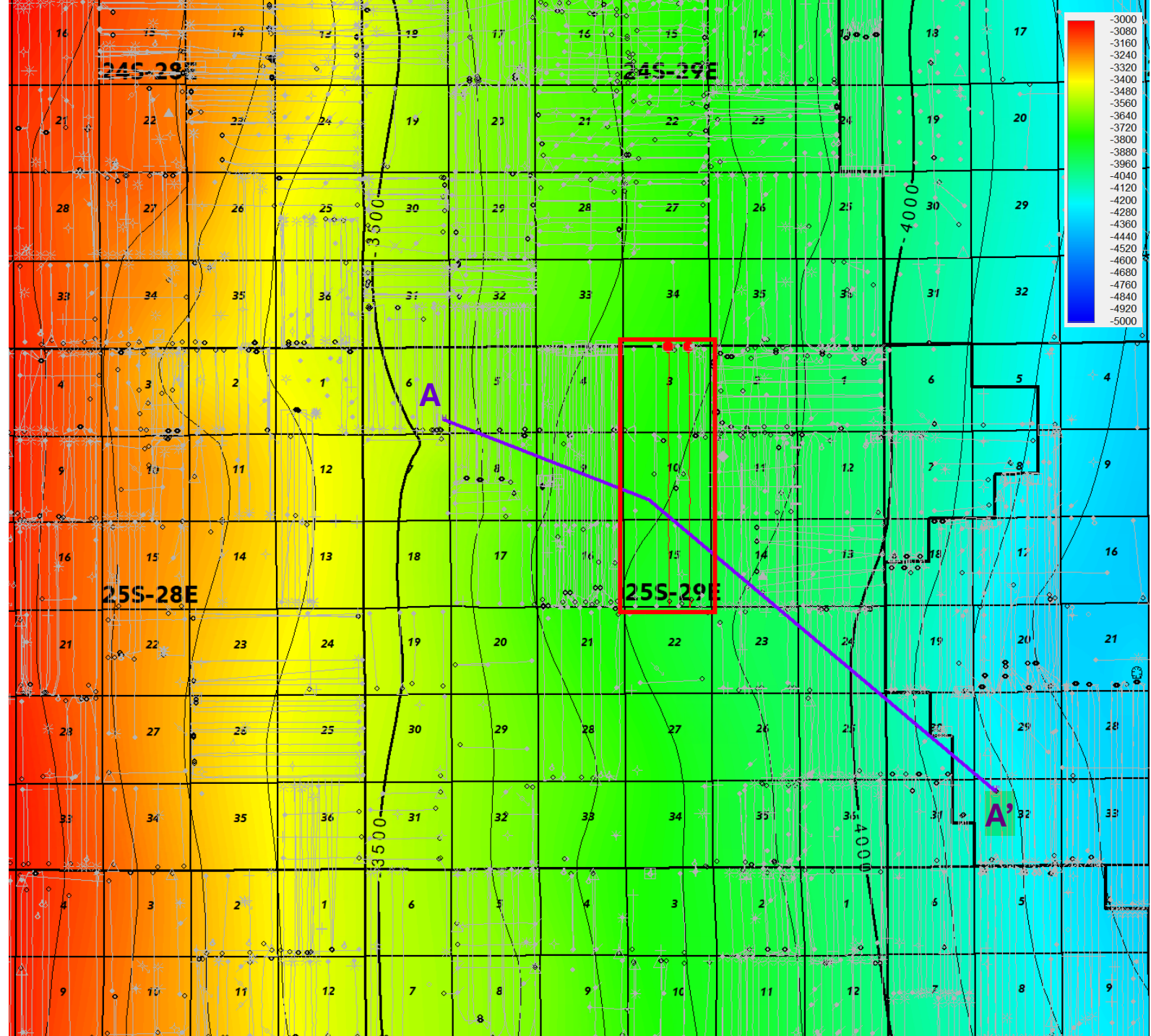


BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
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Hearing Date: September 12, 2024  
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**ExxonMobil**

### Exhibit D-3

EM/XTO Structure Map (tvdss)  
Bone Springs  
CI = 100'



BEFORE THE OIL CONSERVATION DIVISION  
 Santa Fe, New Mexico  
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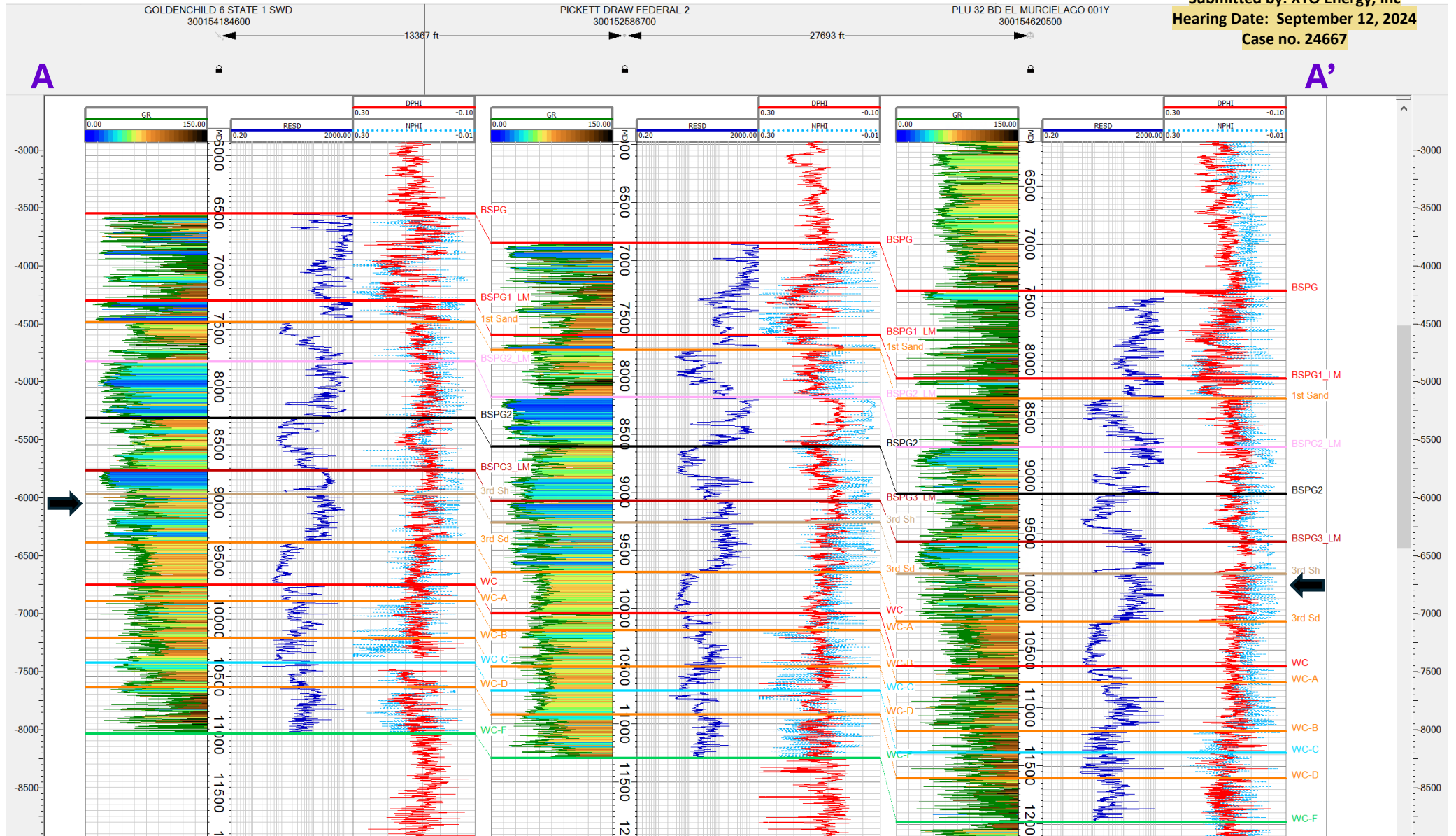
# ExxonMobil



# Exhibit D-4

Exhibit No. D-4  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
Case no. 24667

## Cross Section Bone Springs



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

**APPLICATION OF XTO HOLDINGS, LLC  
FOR COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO.**

**CASE NO. 24667**

**SELF-AFFIRMED STATEMENT OF  
PAULA M. VANCE**

1. I am attorney in fact and authorized representative of XTO Holdings, LLC (“XTO”), the Applicant herein. I have personal knowledge of the matter addressed herein and am competent to provide this self-affirmed statement.

2. The above-referenced application and notice of the hearing on this application was sent by certified mail to the locatable affected parties on the date set forth in the letter attached hereto.

3. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.

4. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of August 29, 2024.

5. I caused a notice to be published to the parties subject to this compulsory pooling proceeding. The affidavit of publication from the publication’s legal clerk with a copy of the notices of publication is attached herein.

6. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.

**BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. E  
Submitted by: XTO Energy, Inc  
Hearing Date: September 12, 2024  
Case no. 24667**



---

Paula M. Vance

9/5/2024

---

Date



**Paula M. Vance**  
**Associate**  
**Phone** (505) 988-4421  
**Email** pmvance@hollandhart.com

July 5, 2024

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

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

**Re: Application of XTO Holdings, LLC for Compulsory Pooling, Eddy County,  
New Mexico: Shanghai Rooster 15-3 Fed #107H & #125H wells**

Ladies & Gentlemen:

This letter is to advise you that XTO Holdings, LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on July 25, 2024, and the status of the hearing can be monitored through the Division’s website at <https://www.emnrd.nm.gov/ocd/>.

**It is anticipated that hearings will be held in a hybrid format with both in-person and virtual participation options. The meeting will be held in the Pecos Hall Hearing Room at the Wendall Chino Building, 1st Floor, 1220 South St. Francis Dr., Santa Fe, New Mexico. To participate virtually in the hearing, see the instructions posted on the OCD Hearings website: <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. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Vincent Cuccerre at (346) 998-2541 or [vincent.cuccerre@exxonmobil.com](mailto:vincent.cuccerre@exxonmobil.com).

Sincerely,

Paula M. Vance  
**ATTORNEY FOR XTO HOLDINGS, LLC**

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## Postal Delivery Report

9414811898765460887400	Bagam Salt Fork Limited	PO Box 1110	Graham	TX	76450-1110	Your item was picked up at the post office at 9:49 am on July 12, 2024 in GRAHAM, TX 76450.
9414811898765460887493	CNX Gas Co. LLC	1000 Horizon Vue Dr	Canonsburg	PA	15317-6523	Your item was delivered to the front desk, reception area, or mail room at 1:01 pm on July 11, 2024 in CANONSBURG, PA 15317.
9414811898765460887448	CNX Gas Co. LLC	PO Box 1248	Jane Lew	WV	26378	Your item has been delivered to the original sender at 1:20 pm on July 25, 2024 in SANTA FE, NM 87501.
9414811898765460887486	Edward K Gaylord Tourmalin	PO Box 3366	Edmond	OK	73083-3366	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9414811898765460887431	Edward K Gaylord Tourmalin	5709 N Saguaro Rd	Paradise Valley	AZ	85253-5238	Your item was delivered to an individual at the address at 3:46 pm on July 11, 2024 in PARADISE VALLEY, AZ 85253.
9414811898765460887479	Edward K Gaylord Tourmalin	PO Box 31560	Edmond	OK	73003-0026	Your item was picked up at the post office at 8:39 am on July 12, 2024 in EDMOND, OK 73003.

XTO - Shanghai Rooster BS 15-3 Fed 107H, 125H and 103H well - Case nos. 24667-24668  
 Postal Delivery Report

9414811898765460887516	J Guinn Family Trust A	PO Box 1298	Graham	TX	76450-1298	Your item was picked up at the post office at 3:09 pm on July 15, 2024 in GRAHAM, TX 76450.
9414811898765460887561	J Guinn Family Trust A	500 E Border St Unit 885	Arlington	TX	76010-7445	Your item arrived at our USPS facility in OKLAHOMA CITY OK DISTRIBUTION CENTER on August 24, 2024 at 3:08 pm. The item is currently in transit to the destination.
9414811898765460887509	J Guinn Family Trust M	PO Box 1298	Graham	TX	76450-1298	Your item was picked up at the post office at 3:09 pm on July 15, 2024 in GRAHAM, TX 76450.
9414811898765460887547	J Guinn Family Trust M	500 E Border St Unit 885	Arlington	TX	76010-7445	Your item has been delivered to the original sender at 5:18 pm on August 22, 2024 in SANTA FE, NM 87501.

# AFFIDAVIT OF PUBLICATION

County of Eddy, State of New Mexico

### Carlsbad Current-Argus

102 S. Canyon Street Carlsbad, NM 88220	AD#3120 Case #24667
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I, the publisher/agent of Carlsbad Current-Argus of Eddy County, in the State of New Mexico. States that this newspaper is a qualified newspaper, published and of general circulation in said county, was published in regular edition of said paper, and that the notice of which the annexed is a copy was published on the following dates:

### PUBLICATION DATES

July 13, 2024

*N Bitton*

Nicole Bitton, Customer Service Rep

Signed and sworn to before me on this 15 July 2024  
Day Month Year



*Kelli Metzger*  
Signature above, NOTARY NAME, Notary Public  
My commission expires: Oct 19, 2024  
Commission#

Seal

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### LEGAL NOTICE

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Case No. 24667: Application of XTO Holdings, LLC for Compulsory Pooling, Eddy County, New Mexico. Notice to all affected interest owners, including all heirs, devisees and successors of: Bagam Salt Fork Limited; CNX Gas Co. LLC; Edward K Gaylor (Tourmalin); J Guinn Family Trust A; J Guinn Family Trust M, Joint Tenants. The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearing 8:30 a.m. on July 25, 2024, to consider this application. 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 in the hearings electronically, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/> or contact Sheila Apodaca, at Sheila.Apodaca@emnrd.nm.gov. Applicant in the above-styled cause seeks an order pooling all uncommitted mineral owners in the Bone Spring formation underlying a standard 959.40-acre, more or less, horizontal well spacing unit comprised of Lots 1-2 (N/2 NE/4 equivalent), S/2 NE/4, and the SE/4 of irregular Section 3, and the E/2 of Sections 10 and 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico. Said unit will be initially dedicated to the proposed **Shanghai Rooster 15-3 Fed #107H** (API No. 30-015-53675) well, to be horizontally drilled from a surface location in the SE/4 SE/4 (Unit P) of Section 15, with a first take point in the SE/4 SE/4 (Unit P) of Section 15 and a last take point in Lot 1 (NE/4 NE/4 equivalent) of irregular Section 3; and the **Shanghai Rooster 15-3 Fed #125H** (API No. 30-015-50096) well, to be horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section 15, with a first take point in the SW/4 SE/4 (Unit O) of Section 15 and a last take point in Lot 2 (NW/4 NE/4 equivalent) of irregular Section 3. The completed interval of the **Shanghai Rooster 15-3 Fed #107H** is expected to remain within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of these proximity tracts within the proposed horizontal spacing unit under 19.15.16.15.B(1)(b) NMAC. The **Shanghai Rooster 15-3 Fed #125H** is at a non-standard well location ("NSL"), for which XTO has an approved NSL order. Also, to be considered will be the designation of XTO Energy, Inc. as operator of the well. Said area is located approximately 11 miles southeast of Loving, New Mexico.

BEFORE THE OIL CONSERVATION DIVISION  
 Santa Fe, New Mexico  
 Exhibit No. F  
 Submitted by: XTO Energy, Inc  
 Hearing Date: September 12, 2024  
 Case no. 24667