



COG OPERATING LLC
Atticus State Com 701H-706H wells
Eddy County, New Mexico

Case Nos. 23052-23053
BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING October 06, 2022



COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23052	APPLICANT'S RESPONSE
Date	October 6, 2022
Applicant	COG Operating LLC
Designated Operator & OGRID (affiliation if applicable)	229137
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, Eddy County, NEW MEXICO.
Entries of Appearance/Intervenors:	N/A
Well Family	Atticus wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas) (98220)
Well Location Setback Rules:	Special Rules enacted under Order R-14262
Spacing Unit Size:	960 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	960-acres
Building Blocks:	320-acres or Quarter Sections
Orientation:	South-North
Description: TRS/County	E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 Eas NMPM, in Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
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	See Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	<u>Atticus State Com 701H (30-015-49628)</u> SHL: 315' FSL & 960' FEL (Unit P) of Section 36 BHL: 200' FNL & 450' FEL (Unit A) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard

Well #2	Atticus State Com 702H (30-015-49629) SHL: 315' FSL & 990' FEL (Unit P) of Section 36 BHL: 20' FNL & 1350' FEL (Unit B) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard
Well #3	Atticus State Com 703H (30-015-49630) SHL: 345' FSL & 2618' FWL (Unit N) of Section 36 BHL: 200' FNL & 2250' FEL (Unit B) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	See Application
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C
Proof of Published Notice of Hearing (10 days before hearing)	N/A
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-4
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5
Overhead Rates In Proposal Letter	Exhibit A-4
Cost Estimate to Drill and Complete	Exhibit A-4
Cost Estimate to Equip Well	Exhibit A-4
Cost Estimate for Production Facilities	Exhibit A-4
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-2

Gunbarrel/Lateral Trajectory Schematic	Exhibit B-2
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
Forms, Figures and Tables	
A-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit A-2, B-2
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Michael H. Feldewert
Signed Name (Attorney or Party Representative):	
Date:	4-Oct

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23053	APPLICANT'S RESPONSE
Date	October 6, 2022
Applicant	COG Operating LLC
Designated Operator & OGRID (affiliation if applicable)	229137
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, Eddy County, NEW MEXICO.
Entries of Appearance/Intervenors:	N/A
Well Family	Atticus wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas) (98220)
Well Location Setback Rules:	Special Rules enacted under Order R-14262
Spacing Unit Size:	960 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	960-acres
Building Blocks:	320-acres or Quarter Sections
Orientation:	South-North
Description: TRS/County	W/2 of Sections 24, 25 and 36, Township 25 South, Range 27 Ea NMPM, in Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
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	See Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	<u>Atticus State Com 704H (30-015-49631)</u> SHL: 345' FSL & 2588' FWL (Unit N) of Section 36 BHL: 200' FNL & 2130' FWL (Unit C) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard

Well #2	Atticus State Com 705H (30-015-49632) SHL: 330' FSL & 807' FWL (Unit M) of Section 36 BHL: 200' FNL & 1230' FWL (Unit D) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard
Well #3	Atticus State Com 706H (30-015-49633) SHL: 330' FSL & 777' FWL (Unit M) of Section 36 BHL: 200' FNL & 330' FWL (Unit D) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	See Application
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C
Proof of Published Notice of Hearing (10 days before hearing)	N/A
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-4
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5
Overhead Rates In Proposal Letter	Exhibit A-4
Cost Estimate to Drill and Complete	Exhibit A-4
Cost Estimate to Equip Well	Exhibit A-4
Cost Estimate for Production Facilities	Exhibit A-4
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-2

Gunbarrel/Lateral Trajectory Schematic	Exhibit B-2
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
Forms, Figures and Tables	
A-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit A-2, B-2
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Michael H. Feldewert
Signed Name (Attorney or Party Representative):	
Date:	4-Oct

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

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

CASE NO. 23052

APPLICATION

COG Operating, LLC ("Applicant") (OGRID No. 229137), 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 interests in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. In support of its application, COG 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 initially dedicate the above-referenced horizontal spacing unit to the following proposed wells:
 - the **Atticus State Com 701H** and the **Atticus State Com 702H** wells to be drilled from a common surface hole location in the SE/4 SE/4 (Unit P) of Section 36 to bottom hole locations, respectively, in the NE/4 NE/4 (Unit A) and the NW/4 NE/4 (Unit B) of Section 24; and
 - the **Atticus State Com 703H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24.

3. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.

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

5. To allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on October 6, 2022, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the horizontal spacing unit;
- B. Approving the initial wells in the horizontal spacing unit;
- C. Designating Applicant as the operator of this spacing unit and the horizontal wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- E. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. 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,

HOLLAND & HART LLP

By: 

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
Paula M. Vance
Post Office Box 2208
Santa Fe, New Mexico 87504-2208
(505) 988-4421
(505) 983-6043 Facsimile
mfeldewert@hollandhart.com
agrarkin@hollandhart.com
jbroggi@hollandhart.com
pmvance@hollandhart.com

ATTORNEYS FOR COG OPERATING, LLC

CASE _____: Application of COG Operating, LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

- the **Atticus State Com 701H** and the **Atticus State Com 702H** wells to be drilled from a common surface hole location in the SE/4 SE/4 (Unit P) of Section 36 to bottom hole locations, respectively, in the NE/4 NE/4 (Unit A) and the NW/4 NE/4 (Unit B) of Section 24; and
- the **Atticus State Com 703H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 8 miles south of Malaga, New Mexico.

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

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

CASE NO. 23053

APPLICATION

COG Operating, LLC ("Applicant") (OGRID No. 229137), 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 interests in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. In support of its application, COG 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 initially dedicate the above-referenced horizontal spacing unit to the following proposed wells:

- the **Atticus State Com 704H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
- the **Atticus State Com 705H** and the **Atticus State Com 706H** wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.

3. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.

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

5. To allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

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- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- E. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% charge for the risk incurred 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,

HOLLAND & HART LLP

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ATTORNEYS FOR COG OPERATING LLC

CASE _____: Application of COG Operating, LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

- the **Atticus State Com 704H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
- the **Atticus State Com 705H** and the **Atticus State Com #706H** wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 8 miles south of Malaga, New Mexico.

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

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

CASE NOS. 23052 & 23053

SELF-AFFIRMED STATEMENT OF SHELLEY KLINGLER

1. My name is Shelley Klingler and I am a Landman with COG Operating LLC (“COG”), now a wholly-owned subsidiary of ConocoPhillips Company. I am familiar with the applications filed by COG in these consolidated cases and the status of the lands in the subject area.

2. **COG Exhibit A-1** contains a summary of my educational background and work experience. I believe that these credentials qualify me to testify as an expert witness in petroleum land matters.

3. In these consolidated cases, COG seeks orders pooling all uncommitted interests in the Wolfcamp formation [Purple Sage; Wolfcamp Pool (Pool Code 98220)] underlying Sections 24, 25 and 36, Township 25 South, Range 27 East, NMPM, in Eddy County as follows:

- Under **Case 23052**, COG seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre horizontal well spacing unit comprised of the E/2 of Sections 24, 25 and 36 to be initially dedicated to the following proposed wells:

- the **Atticus State Com 701H** and the **Atticus State Com 702H** wells
to be drilled from a common surface hole location in the SE/4 SE/4

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053**

- (Unit P) of Section 36 to bottom hole locations, respectively, in the NE/4 NE/4 (Unit A) and the NW/4 NE/4 (Unit B) of Section 24; and
- the **Atticus State Com 703H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24.
- Under **Case 23053**, COG seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre horizontal well spacing unit comprised of the W/2 of Sections 24, 25 and 36 to be initially dedicated to the following proposed wells:
 - The **Atticus State Com 704H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
 - The **Atticus State Com 705H** and the **Atticus State Com 706H** wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.
4. **COG Exhibit A-2** contains Form C-102s for each of the initial wells proposed for these standard spacing units.
5. No ownership depth severance exists in the Wolfcamp formation underlying the subject acreage.
6. **COG Exhibit A-3** identifies the tracts of state and fee lands comprising the proposed horizontal spacing units in each case. This exhibit identifies the interest owners and the

percentage of their interest by tract and on a spacing unit basis. COG is seeking to pool the uncommitted interest owners highlighted in yellow on the exhibit.

7. **COG Exhibit A-4** contains a sample of the well proposal letters and AFEs for each well that were sent to the working interest owners COG seeks to pool. The costs reflected in these AFEs are consistent with what other operators have incurred for drilling similar horizontal wells in the area in these formations.

8. COG requests that the overhead and administrative costs for drilling and producing the proposed wells be set at \$8,000 per month while drilling and \$800 per month while producing. These costs are consistent with what other operators are charging in this area for similar wells.

9. **COG Exhibit A-5** contains a chronology of contacts with the uncommitted interest owners that COG seeks to pool. All these interest owners have been located and COG has made good faith efforts to reach a voluntary agreement with each of these uncommitted owners.

10. COG provided the law firm of Holland & Hart LLP with the names and addresses of the parties that COG seeks to pool and instructed that they be notified of this hearing.

11. **COG Exhibits A-1 through A-5** 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.



SHELLEY KLINGLER

10/4/2022
Date

SHELLEY C. KLINGLER, CPL

Staff Land, ConocoPhillips, Midland, TX, February 2022 – Present

Land Advisor, Independent, Oklahoma City, OK, & Midland, TX, January 2020 – February 2022

Land Advisor, Anadarko Petroleum (now Oxy), Midland, TX, April 2019 – January 2020

Planning Supervisor/Landman, Devon Energy, Oklahoma City, OK, September 2013 – March 2019

University of Phoenix, Business Management degree, 2013

Landman, Continental Land Resources, Edmond, OK, 2006 – 2013

Independent Land professional – Part-time from 1987-2006

United States Navy, Naval Security Group, Intelligence Department, 1989 – 1996

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A1
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015- 49628	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp
4 Property Code 327322	5 Property Name ATTICUS STATE COM	6 Well Number 701H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3095'

10 Surface Location

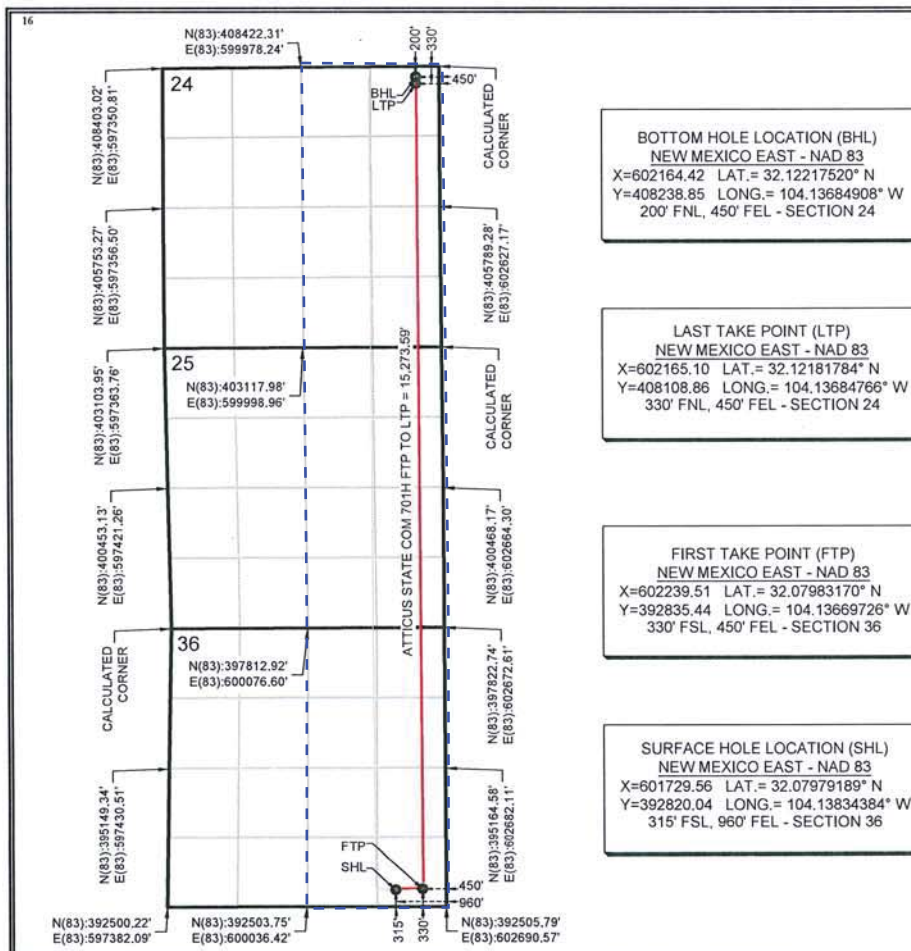
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	25-S	27-E		315'	SOUTH	960'	EAST	EDDY

11 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
A	24	25-S	27-E		200'	NORTH	450'	EAST	EDDY

12 Dedicated Acres 960	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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]
Signature

03/17/2020
Date

Robyn M. Russell

Printed Name

Russell@concho.com

E-mail Address

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

Signature and Seal of Professional Surveyor:

Certificate Number



District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015- 49629	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp
4 Property Code 327322	5 Property Name ATTICUS STATE COM	6 Well Number 702H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3096'

10 Surface Location

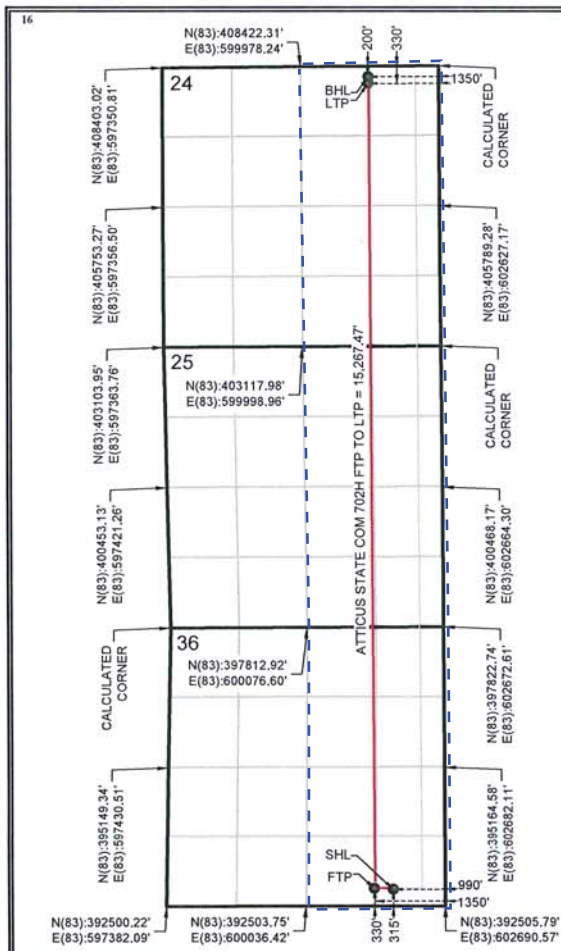
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	25-S	27-E		315'	SOUTH	990'	EAST	EDDY

11 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
B	24	25-S	27-E		200'	NORTH	1350'	EAST	EDDY

12 Dedicated Acres 960	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.



BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=601264.45 LAT.= 32.12216095° N
Y=408232.04 LONG.= 104.13975622° W
200' FNL, 1350' FEL - SECTION 24

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=601265.12 LAT.= 32.12180358° N
Y=408102.04 LONG.= 104.13975480° W
330' FNL, 1350' FEL - SECTION 24

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=601339.51 LAT.= 32.07983428° N
Y=392834.75 LONG.= 104.13960311° W
330' FSL, 1350' FEL - SECTION 36

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=601699.60 LAT.= 32.07979191° N
Y=392819.99 LONG.= 104.13844057° W
315' FSL, 990' FEL - SECTION 36

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]
Signature

03/05/2020
Date

Robyn M. Russell

Printed Name

Russell@concho.com

E-mail Address

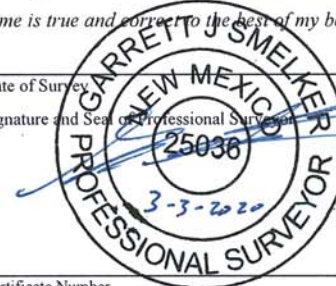
18 SURVEYOR CERTIFICATION

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

Signature and Seal of Professional Surveyor

Certificate Number



District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-49630	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code	5 Property Name ATTICUS STATE COM	6 Well Number 703H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3120.72'

¹⁰ Surface Location

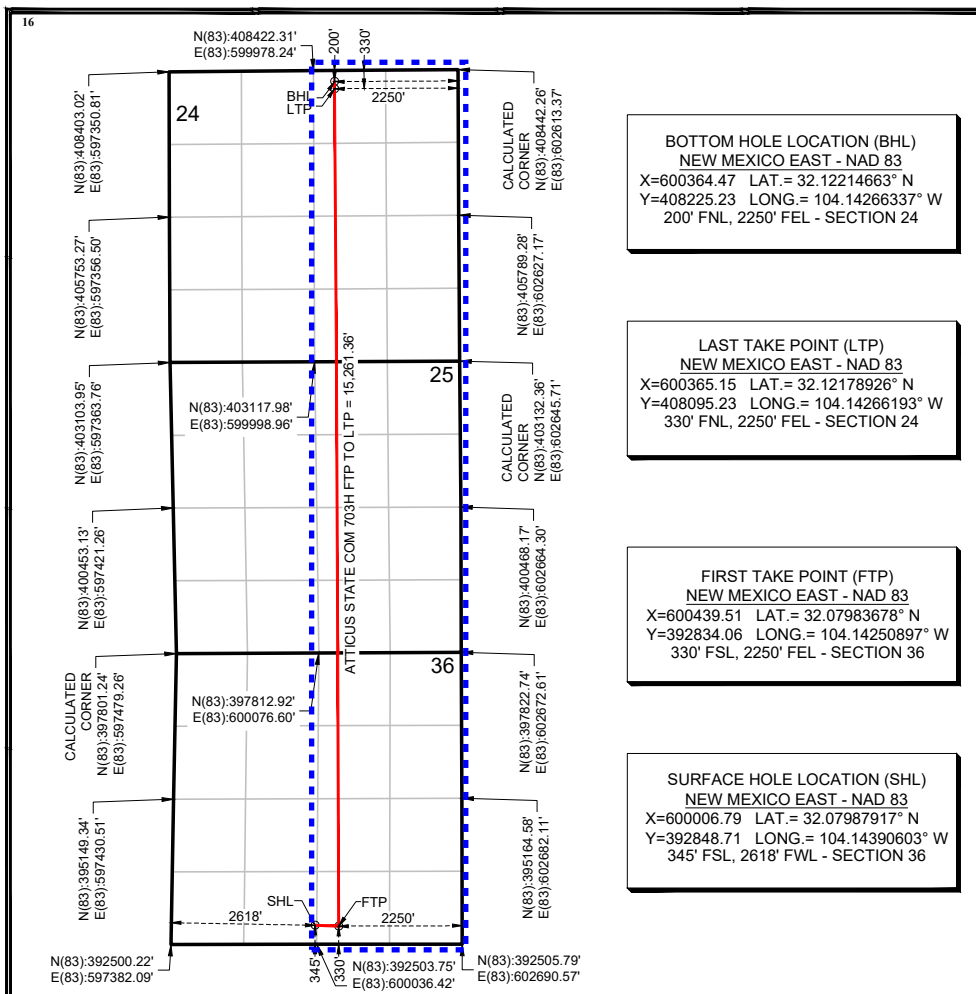
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	27-E		345'	SOUTH	2618'	WEST	EDDY

¹¹ 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
B	24	25-S	27-E		200'	NORTH	2250'	EAST	EDDY

12 Dedicated Acres 960	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.

**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.

Mayte Reyes 9/19/2022

Signature Date

Mayte Reyes

Printed Name

mayte.x.reyes@cop.com

E-mail Address

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.

CHARLES L. JURICA 08/19/2022

Date of Survey

Signature and Seal of Professional Surveyor

25490

Certificate Number

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

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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

1 API Number 30-015-49631	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP
4 Property Code 327322	5 Property Name ATTICUS STATE COM	6 Well Number 704H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3121'

¹⁰ Surface Location

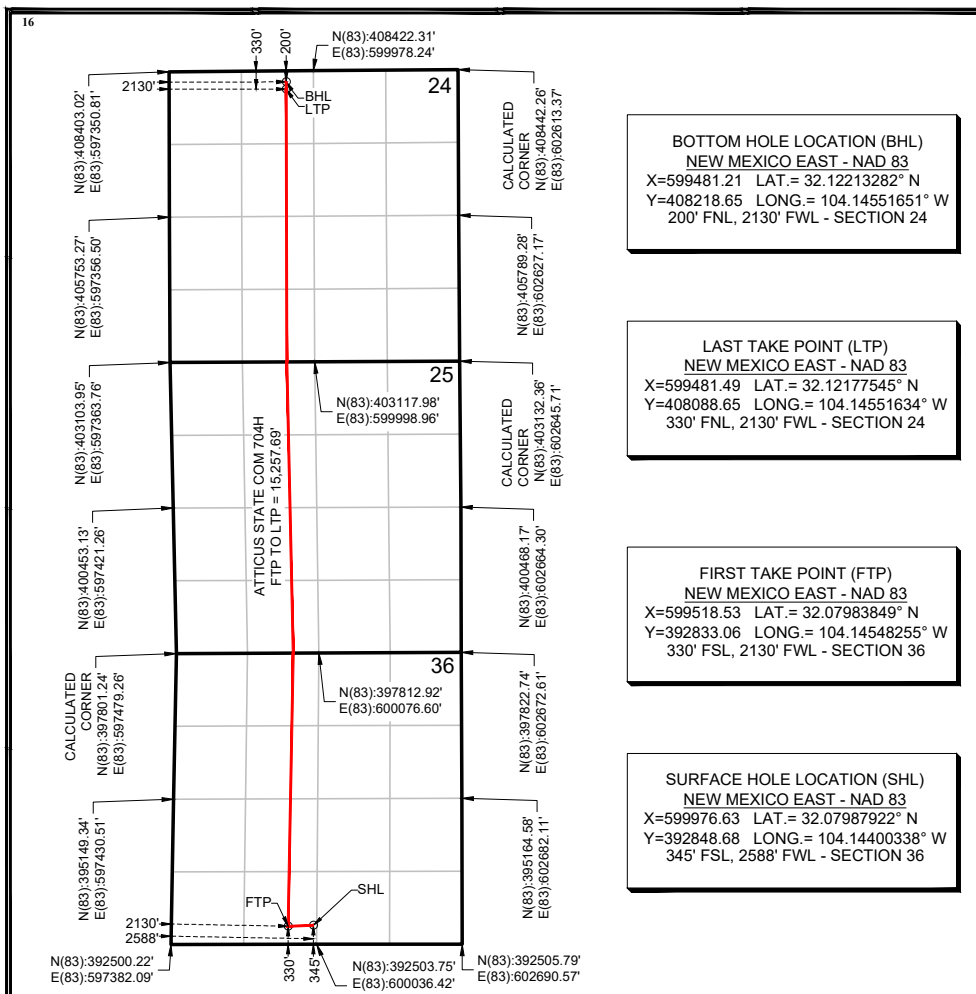
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	27-E		345'	SOUTH	2588'	WEST	EDDY

¹¹ 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
C	24	25-S	27-E		200'	NORTH	2130'	WEST	EDDY

12 Dedicated Acres 960	13 Joint or Infill	14 Consolidation Code	15 Order No.
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17 OPERATOR CERTIFICATION

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Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

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Date of Survey 08/19/2022

Signature and Seal of Professional Surveyor:

CHARLES W. JURICA
NEW MEXICO
25490
PROFESSIONAL SURVEYOR
Certificate Number

District I

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Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-49632	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP
4 Property Code 327322	5 Property Name ATTICUS STATE COM	6 Well Number 705H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3143'

¹⁰ Surface Location

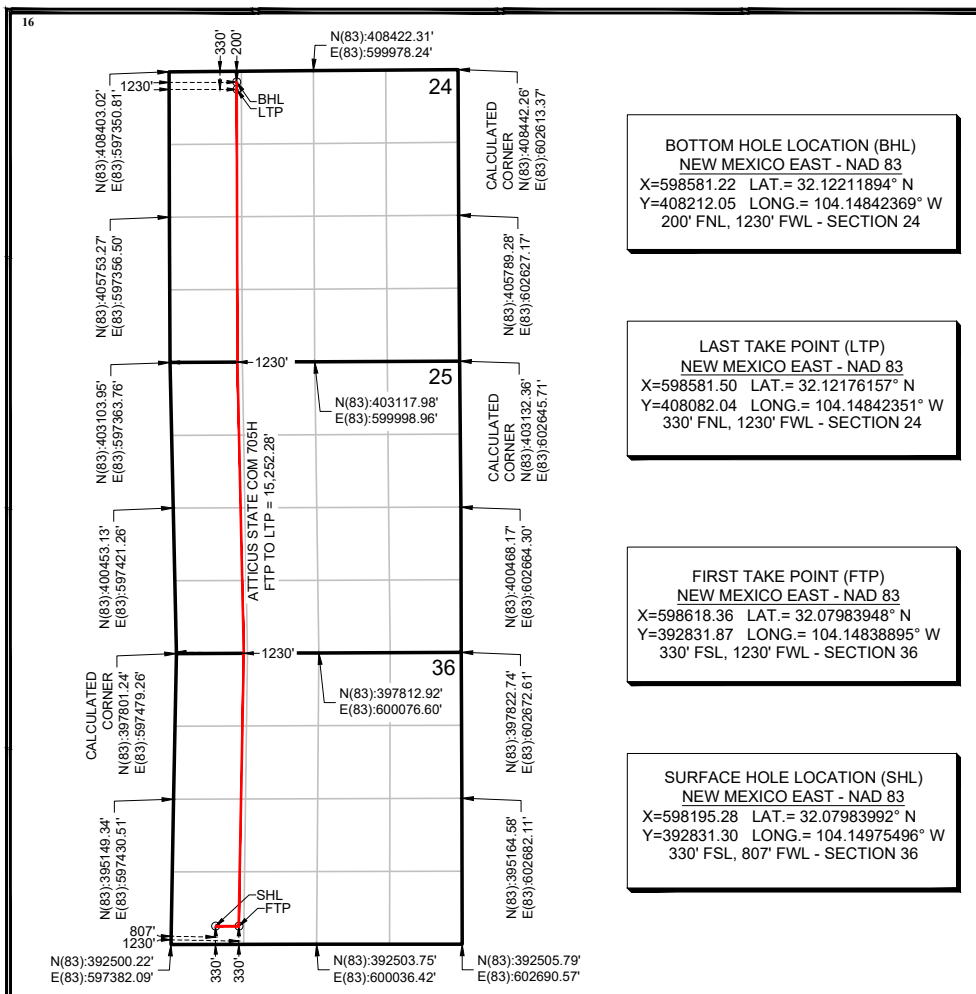
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25-S	27-E		330'	SOUTH	807'	WEST	EDDY

¹¹ 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
D	24	25-S	27-E		200'	NORTH	1230'	WEST	EDDY

12 Dedicated Acres 960	13 Joint or Infill	14 Consolidation Code	15 Order No.
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Signature _____ Date _____

Printed Name _____

E-mail Address _____

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Signature and Seal of Professional Surveyor: _____

Certificate Number _____

CHARLES L. JURICA
NEW MEXICO
25490
PROFESSIONAL SURVEYOR

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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

1 API Number 30-015-49633	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP
4 Property Code 327322	5 Property Name ATTICUS STATE COM	6 Well Number 706H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3143'

10 Surface Location

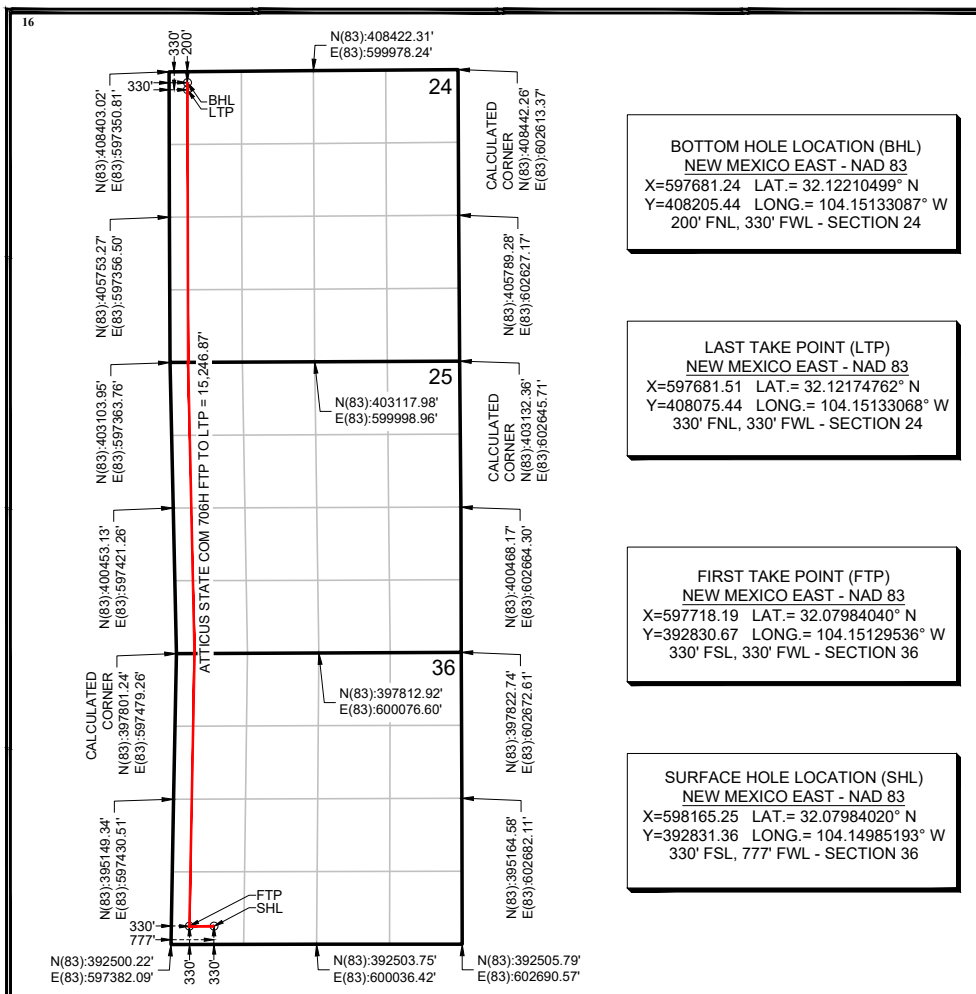
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25-S	27-E		330'	SOUTH	777'	WEST	EDDY

11 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
D	24	25-S	27-E		200'	NORTH	330'	WEST	EDDY

12 Dedicated Acres 960	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

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Signature _____ Date _____

Printed Name _____

E-mail Address _____

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Date of Survey _____ 08/19/2022

Signature and Seal of Professional Surveyor: _____

Certificate Number _____

CHARLES L. JURICA
NEW MEXICO
25490
PROFESSIONAL SURVEYOR

	WOLFCAMP	
24-T25S-R27E	Tract 1 VB-1006-01 320 ac	
	Tract 2 FEE 320 ac	
25-T25S-R27E	Tract 3 VB-1007-01 320 ac	
	Tract 4 VB-0995-02 320 ac	
36-T25S-R27E	Tract 6 VB-0996-02 240 ac	Tract 5 VB-0996-02 80 ac
	Tract 8 VB-1008-02 240 ac	Tract 7 VB-1008-02 80 ac

LEASEHOLD INTERESTS	TR 1	TR 2	TR 3	TR 4	TR 5	TR 6	TR 7	TR 8
COG Operating LLC	0.63519606	0.63519606	0.63519606	0.00000000	0.95000000	0.71250000	0.95000000	0.71250000
Concho Oil & Gas LLC	0.01735624	0.01735624	0.01735624	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
COG Production LLC	0.00000000	0.00000000	0.00000000	1.00000000	0.05000000	0.28750000	0.05000000	0.28750000
Devon Energy Production Co	0.34744770	0.34744770	0.34744770	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Read & Stevens Inc.*	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	Unknown	Unknown	Unknown

UNIT WORKING INTEREST	W2 WI	E2 WI
COG Operating LLC	0.55509803	0.59468136
COG Production LLC	0.26250000	0.22291667
Concho Oil & Gas LLC	0.00867812	0.00867812
Devon Energy Production Co	0.17372385	0.17372385
Read & Stevens Inc.*	0.00000000	0.00000000
*Confirming disputed interest		

PARTIES TO POOL	ROLE
Chevron U.S.A. Inc. 6301 Deauville Avenue Midland, TX 79706	RTO
Devon Energy Production Co. 333 W. Sheridan Ave Oklahoma City, OK 73102	WIO
Read & Stevens Inc. 400 N. Pennsylvania Ave Ste 1000 Roswell, NM 88201	Possible WIO*

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A3
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 17, 2022

Via Electronic Mail & CMRRR

Devon Energy Production Company, LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102
Attn: Land Department

Re: **Atticus State Com 701H – 706H (Wolfcamp A)**
Sections 24, 25 & 36, T25S-R27E
Eddy County, New Mexico

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. A4

Submitted by: COG Operating LLC

Hearing Date: October 6, 2022

Case Nos. 23052-23053

Dear Sir or Madam:

COG Operating, LLC ("COG"), as Operator, previously proposed and is now reproposing the drilling of the following horizontal wells with productive laterals located in Sections 24, 25 & 36, Township 25 South, Range 27 East, Eddy County, New Mexico (collectively, the "Operation"). Please see details below:

WOLFCAMP A:

The surface pad locations will be located in Units M, N, and P of Section 36, T25S-R27E (subject to change).

- **Atticus State Com 701H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit P of Section 36, and a bottom hole location at a legal location in Unit A of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached Authority for Expenditure ("AFE").
- **Atticus State Com 702H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit P of Section 36, and a bottom hole location at a legal location in Unit B of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.
- **Atticus State Com 703H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit N of Section 36, and a bottom hole location at a legal location in Unit B of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.
- **Atticus State Com 704H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit N of Section 36, and a bottom hole location at a legal location in Unit C of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.

August 17, 2022 – Page 2

Atticus State Com 701H-706H well proposals

- **Atticus State Com 705H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit M of Section 36, and a bottom hole location at a legal location in Unit D of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.
- **Atticus State Com 706H**, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit M of Section 36, and a bottom hole location at a legal location in Unit D of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.

COG is proposing to drill these wells under the terms of the new Operating Agreement dated August 1, 2022, previously sent to your attention for review and execution. If we are unable to reach an agreement within 30 days of the date of this letter, COG will apply to the NMOCD for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to shelley.c.klingler@conocophillips.com. Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

//Shelley Klingler//

Shelley C. Klingler
Staff Land Negotiator

Please Indicate your election below:

WELL NAME	PARTICIPATE Elect to participate in drilling & completion of well	DO NOT PARTICIPATE Elect NOT to participate in drilling & completion of well
Atticus State Com 701H		
Atticus State Com 702H		
Atticus State Com 703H		
Atticus State Com 704H		
Atticus State Com 705H		
Atticus State Com 706H		

DEVON ENERGY PRODUCTION COMPANY, LP

By: _____

Name: _____

Title: _____

Date: _____

COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete

Well Name ATTICUS STATE COM 701H SHL 36-255-27E: 315 FSL, 960 FEL OR UNIT P BHL 24-255-27E: 200 FNL, 450 FEL OR UNIT A Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs									
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209			\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services	210			\$ 421,000.00				\$ -	\$ 421,000.00
D-Fuel & Power	211			\$ 136,000.00				\$ -	\$ 136,000.00
D-Water	212			\$ 115,000.00				\$ -	\$ 115,000.00
D-Bits	213			\$ 145,000.00				\$ -	\$ 145,000.00
D-Mud & Chemicals	214			\$ 297,000.00				\$ -	\$ 297,000.00
D-Cement Surface	217			\$ 29,000.00				\$ -	\$ 29,000.00
D-Cement Intermed	218			\$ 114,000.00				\$ -	\$ 114,000.00
D-Prod-2nd Int Cmt	219			\$ 168,000.00				\$ -	\$ 168,000.00
D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
D-Csg Crews & Equip	222			\$ 99,000.00				\$ -	\$ 99,000.00
D-Contract Labor	225			\$ 10,000.00				\$ -	\$ 10,000.00
D-Company Sprvsn	226			\$ 66,000.00				\$ -	\$ 66,000.00
D-Contract Sprvsn	227			\$ 165,000.00				\$ -	\$ 165,000.00
D-Tstg Csg/Tbg	228			\$ 61,000.00				\$ -	\$ 61,000.00
D-Mud Logging Unit	229			\$ 61,000.00				\$ -	\$ 61,000.00
D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
D-Trucking/Forklift/Rig Mob	237			\$ 244,000.00				\$ -	\$ 244,000.00
D-Welding Services	238			\$ 5,000.00				\$ -	\$ 5,000.00
D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmntl/Clsd Loop	244			\$ 403,000.00				\$ -	\$ 403,000.00
C-Wellbore Frac Prep	304				\$ 212,000.00			\$ -	\$ 212,000.00
C-Lctn/Pits/Roads	305				\$ 22,000.00			\$ -	\$ 22,000.00
C-Completion OH	306				\$ 33,000.00			\$ -	\$ 33,000.00
C-Frac Equipment	307				\$ 1,448,000.00			\$ -	\$ 1,448,000.00
C-Frac Chemicals	308				\$ 918,000.00			\$ -	\$ 918,000.00
C-Frac Proppant	309				\$ 416,000.00			\$ -	\$ 416,000.00
C-Frac Proppant Transportation	310				\$ 647,000.00			\$ -	\$ 647,000.00
C-Fuel Delivery & Services	311				\$ 93,000.00			\$ -	\$ 93,000.00
C-Water	312				\$ 612,000.00			\$ -	\$ 612,000.00
C-Frac Surface Rentals	315				\$ 577,000.00			\$ -	\$ 577,000.00
C-Contract Labor	325				\$ 22,000.00			\$ -	\$ 22,000.00
C-Company Sprvsn	326				\$ 22,000.00			\$ -	\$ 22,000.00
C-Contract Sprvsn	327				\$ 308,000.00			\$ -	\$ 308,000.00
C-Artificial Lift Install	329				\$ 99,000.00			\$ -	\$ 99,000.00
C-Perf/Wireline Svc	331				\$ 711,000.00			\$ -	\$ 711,000.00
C-Trucking/Forklift/Rig Mob	337				\$ 22,000.00			\$ -	\$ 22,000.00
C-Water Disposal	339				\$ 88,000.00			\$ -	\$ 88,000.00
C-Contingency	343				\$ 165,000.00			\$ -	\$ 165,000.00
C-Dyed Diesel	345				\$ 346,000.00			\$ -	\$ 346,000.00
C-Drillout	346				\$ 660,000.00			\$ -	\$ 660,000.00
TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
PEQ-Contract Labor	374						\$ 18,000.00	\$ -	\$ 18,000.00
PEQ-Water Disposal	387						\$ 81,000.00	\$ -	\$ 81,000.00
PEQ-HRZ Well Offset Frac	391						\$ 9,000.00	\$ -	\$ 9,000.00
Total Intangible Costs		\$ -	\$ -	\$ 4,043,000.00	\$ 7,421,000.00	\$ 291,000.00	\$ 108,000.00	\$ -	\$ 11,863,000.00
Tangible Costs									
PEQ-Flowback Crews & Equip	392						\$ 49,000.00	\$ -	\$ 49,000.00
D-Surface Casing	401			\$ 32,000.00				\$ -	\$ 32,000.00
D-Intermed Csg	402			\$ 253,000.00				\$ -	\$ 253,000.00
D-Production Casing/Liner	403			\$ 628,000.00				\$ -	\$ 628,000.00
D-Wellhead Equip	405			\$ 115,000.00				\$ -	\$ 115,000.00
C-Tubing	504				\$ 115,000.00			\$ -	\$ 115,000.00
C-Wellhead Equip	505				\$ 62,000.00			\$ -	\$ 62,000.00
TB-Tanks	510					\$ 78,000.00		\$ -	\$ 78,000.00
TB-Flowlines/Pipelines	511					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Htr Trtr/Seprtr	512					\$ 251,000.00		\$ -	\$ 251,000.00
TB-Electrical System/Equipment	513					\$ 154,000.00		\$ -	\$ 154,000.00
C-Pckrs/Anchors/Hgrs	514				\$ 143,000.00			\$ -	\$ 143,000.00
TB-Couplings/Fittings/Valves	515					\$ 261,000.00		\$ -	\$ 261,000.00
TB-Pumps-Surface	521					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Instrumentation/SCADA/POC	522					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Miscellaneous	523					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526					\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527				\$ 55,000.00			\$ -	\$ 55,000.00
PEQ-Wellhead Equipment	531						\$ 18,000.00	\$ -	\$ 18,000.00
Total Tangible Costs		\$ -	\$ -	\$ 1,028,000.00	\$ 375,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$ 2,413,000.00
Total Gross Cost		\$ -	\$ -	\$ 5,071,000.00	\$ 7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$ 14,276,000.00
Note: The above costs are estimates only. Actual costs will be billed as incurred.									

COG Operating LLC

By: _____

Date Prepared: 7/19/22 _____

We approve:

% Working Interest

COG Operating LLC

By: _____

Company: _____
By: _____

Printed Name: _____
Title: _____
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COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete

Well Name ATTICUS STATE COM 702H SHL 36-255-27E: 315 FSL, 990 FEL OR UNIT P BHL 24-255-27E: 200 FNL, 1350 FEL OR UNIT B Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs									
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209			\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services	210			\$ 421,000.00				\$ -	\$ 421,000.00
D-Fuel & Power	211			\$ 136,000.00				\$ -	\$ 136,000.00
D-Water	212			\$ 115,000.00				\$ -	\$ 115,000.00
D-Bits	213			\$ 145,000.00				\$ -	\$ 145,000.00
D-Mud & Chemicals	214			\$ 297,000.00				\$ -	\$ 297,000.00
D-Cement Surface	217			\$ 29,000.00				\$ -	\$ 29,000.00
D-Cement Intermed	218			\$ 114,000.00				\$ -	\$ 114,000.00
D-Prod-2nd Int Cmt	219			\$ 168,000.00				\$ -	\$ 168,000.00
D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
D-Csg Crews & Equip	222			\$ 99,000.00				\$ -	\$ 99,000.00
D-Contract Labor	225			\$ 10,000.00				\$ -	\$ 10,000.00
D-Company Sprvsn	226			\$ 66,000.00				\$ -	\$ 66,000.00
D-Contract Sprvsn	227			\$ 165,000.00				\$ -	\$ 165,000.00
D-Tstg Csg/Tbg	228			\$ 61,000.00				\$ -	\$ 61,000.00
D-Mud Logging Unit	229			\$ 61,000.00				\$ -	\$ 61,000.00
D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
D-Trucking/Forklift/Rig Mob	237			\$ 244,000.00				\$ -	\$ 244,000.00
D-Welding Services	238			\$ 5,000.00				\$ -	\$ 5,000.00
D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmntl/Clsd Loop	244			\$ 403,000.00				\$ -	\$ 403,000.00
C-Wellbore Frac Prep	304				\$ 212,000.00			\$ -	\$ 212,000.00
C-Lctn/Pits/Roads	305				\$ 22,000.00			\$ -	\$ 22,000.00
C-Completion OH	306				\$ 33,000.00			\$ -	\$ 33,000.00
C-Frac Equipment	307				\$ 1,448,000.00			\$ -	\$ 1,448,000.00
C-Frac Chemicals	308				\$ 918,000.00			\$ -	\$ 918,000.00
C-Frac Proppant	309				\$ 416,000.00			\$ -	\$ 416,000.00
C-Frac Proppant Transportation	310				\$ 647,000.00			\$ -	\$ 647,000.00
C-Fuel Delivery & Services	311				\$ 93,000.00			\$ -	\$ 93,000.00
C-Water	312				\$ 612,000.00			\$ -	\$ 612,000.00
C-Frac Surface Rentals	315				\$ 577,000.00			\$ -	\$ 577,000.00
C-Contract Labor	325				\$ 22,000.00			\$ -	\$ 22,000.00
C-Company Sprvsn	326				\$ 22,000.00			\$ -	\$ 22,000.00
C-Contract Sprvsn	327				\$ 308,000.00			\$ -	\$ 308,000.00
C-Artificial Lift Install	329				\$ 99,000.00			\$ -	\$ 99,000.00
C-Perf/Wireline Svc	331				\$ 711,000.00			\$ -	\$ 711,000.00
C-Trucking/Forklift/Rig Mob	337				\$ 22,000.00			\$ -	\$ 22,000.00
C-Water Disposal	339				\$ 88,000.00			\$ -	\$ 88,000.00
C-Contingency	343				\$ 165,000.00			\$ -	\$ 165,000.00
C-Dyed Diesel	345				\$ 346,000.00			\$ -	\$ 346,000.00
C-Drillout	346				\$ 660,000.00			\$ -	\$ 660,000.00
TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
PEQ-Contract Labor	374						\$ 18,000.00	\$ -	\$ 18,000.00
PEQ-Water Disposal	387						\$ 81,000.00	\$ -	\$ 81,000.00
PEQ-HRZ Well Offset Frac	391						\$ 9,000.00	\$ -	\$ 9,000.00
Total Intangible Costs		\$ -	\$ -	\$ 4,043,000.00	\$ 7,421,000.00	\$ 291,000.00	\$ 108,000.00	\$ -	\$ 11,863,000.00
Tangible Costs									
PEQ-Flowback Crews & Equip	392						\$ 49,000.00	\$ -	\$ 49,000.00
D-Surface Casing	401			\$ 32,000.00				\$ -	\$ 32,000.00
D-Intermed Csg	402			\$ 253,000.00				\$ -	\$ 253,000.00
D-Production Casing/Liner	403			\$ 628,000.00				\$ -	\$ 628,000.00
D-Wellhead Equip	405			\$ 115,000.00				\$ -	\$ 115,000.00
C-Tubing	504				\$ 115,000.00			\$ -	\$ 115,000.00
C-Wellhead Equip	505				\$ 62,000.00			\$ -	\$ 62,000.00
TB-Tanks	510					\$ 78,000.00		\$ -	\$ 78,000.00
TB-Flowlines/Pipelines	511					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Htr Trtr/Seprtr	512					\$ 251,000.00		\$ -	\$ 251,000.00
TB-Electrical System/Equipment	513					\$ 154,000.00		\$ -	\$ 154,000.00
C-Pckrs/Anchors/Hgrs	514				\$ 143,000.00			\$ -	\$ 143,000.00
TB-Couplings/Fittings/Valves	515					\$ 261,000.00		\$ -	\$ 261,000.00
TB-Pumps-Surface	521					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Instrumentation/SCADA/POC	522					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Miscellaneous	523					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526					\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527				\$ 55,000.00			\$ -	\$ 55,000.00
PEQ-Wellhead Equipment	531						\$ 18,000.00	\$ -	\$ 18,000.00
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Total Gross Cost									
		\$ -	\$ -	\$ 5,071,000.00	\$ 7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$ 14,276,000.00
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Date Prepared: 7/19/22 _____

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COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete

Well Name ATTICUS STATE COM 703H SHL 36-25S-27E: 345 FSL, 2618 FWL OR UNIT N BHL 24-25S-27E: 200 FNL, 2250 FEL OR UNIT B Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs									
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209			\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services	210			\$ 421,000.00				\$ -	\$ 421,000.00
D-Fuel & Power	211			\$ 136,000.00				\$ -	\$ 136,000.00
D-Water	212			\$ 115,000.00				\$ -	\$ 115,000.00
D-Bits	213			\$ 145,000.00				\$ -	\$ 145,000.00
D-Mud & Chemicals	214			\$ 297,000.00				\$ -	\$ 297,000.00
D-Cement Surface	217			\$ 29,000.00				\$ -	\$ 29,000.00
D-Cement Intermed	218			\$ 114,000.00				\$ -	\$ 114,000.00
D-Prod-2nd Int Cmt	219			\$ 168,000.00				\$ -	\$ 168,000.00
D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
D-Csg Crews & Equip	222			\$ 99,000.00				\$ -	\$ 99,000.00
D-Contract Labor	225			\$ 10,000.00				\$ -	\$ 10,000.00
D-Company Sprvsn	226			\$ 66,000.00				\$ -	\$ 66,000.00
D-Contract Sprvsn	227			\$ 165,000.00				\$ -	\$ 165,000.00
D-Tstg Csg/Tbg	228			\$ 61,000.00				\$ -	\$ 61,000.00
D-Mud Logging Unit	229			\$ 61,000.00				\$ -	\$ 61,000.00
D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
D-Trucking/Forklift/Rig Mob	237			\$ 244,000.00				\$ -	\$ 244,000.00
D-Welding Services	238			\$ 5,000.00				\$ -	\$ 5,000.00
D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmntl/Clsd Loop	244			\$ 403,000.00				\$ -	\$ 403,000.00
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C-Lctn/Pits/Roads	305				\$ 22,000.00			\$ -	\$ 22,000.00
C-Completion OH	306				\$ 33,000.00			\$ -	\$ 33,000.00
C-Frac Equipment	307				\$ 1,448,000.00			\$ -	\$ 1,448,000.00
C-Frac Chemicals	308				\$ 918,000.00			\$ -	\$ 918,000.00
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C-Water Disposal	339				\$ 88,000.00			\$ -	\$ 88,000.00
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C-Dyed Diesel	345				\$ 346,000.00			\$ -	\$ 346,000.00
C-Drillout	346				\$ 660,000.00			\$ -	\$ 660,000.00
TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
PEQ-Contract Labor	374						\$ 18,000.00	\$ -	\$ 18,000.00
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Tangible Costs									
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Well Name ATTICUS STATE COM 704H SHL 36-255-27E: 345 FSL, 2588 FWL OR UNIT N BHL 24-255-27E: 200 FNL, 2130 FWL OR UNIT C Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
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TB-Instrumentation/SCADA/POC	522					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Miscellaneous	523					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526					\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527				\$ 55,000.00			\$ -	\$ 55,000.00
PEQ-Wellhead Equipment	531						\$ 18,000.00	\$ -	\$ 18,000.00
Total Tangible Costs		\$ -	\$ -	\$ 1,028,000.00	\$ 375,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$ 2,413,000.00
Total Gross Cost									
		\$ -	\$ -	\$ 5,071,000.00	\$ 7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$ 14,276,000.00
Note: The above costs are estimates only. Actual costs will be billed as incurred.									

COG Operating LLC

By: _____

Date Prepared: 7/19/22 _____

We approve:

% Working Interest

COG Operating LLC

By: _____

Company: _____
By: _____

Printed Name: _____
Title: _____
Date: _____

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

COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete

Well Name ATTICUS STATE COM 705H SHL 36-255-27E: 330 FSL, 807 FWL OR UNIT M BHL 24-255-27E: 200 FNL, 1230 FWL OR UNIT D Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs									
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209			\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services	210			\$ 421,000.00				\$ -	\$ 421,000.00
D-Fuel & Power	211			\$ 136,000.00				\$ -	\$ 136,000.00
D-Water	212			\$ 115,000.00				\$ -	\$ 115,000.00
D-Bits	213			\$ 145,000.00				\$ -	\$ 145,000.00
D-Mud & Chemicals	214			\$ 297,000.00				\$ -	\$ 297,000.00
D-Cement Surface	217			\$ 29,000.00				\$ -	\$ 29,000.00
D-Cement Intermed	218			\$ 114,000.00				\$ -	\$ 114,000.00
D-Prod-2nd Int Cmt	219			\$ 168,000.00				\$ -	\$ 168,000.00
D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
D-Csg Crews & Equip	222			\$ 99,000.00				\$ -	\$ 99,000.00
D-Contract Labor	225			\$ 10,000.00				\$ -	\$ 10,000.00
D-Company Sprvsn	226			\$ 66,000.00				\$ -	\$ 66,000.00
D-Contract Sprvsn	227			\$ 165,000.00				\$ -	\$ 165,000.00
D-Tstg Csg/Tbg	228			\$ 61,000.00				\$ -	\$ 61,000.00
D-Mud Logging Unit	229			\$ 61,000.00				\$ -	\$ 61,000.00
D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
D-Trucking/Forklift/Rig Mob	237			\$ 244,000.00				\$ -	\$ 244,000.00
D-Welding Services	238			\$ 5,000.00				\$ -	\$ 5,000.00
D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmntl/Clsd Loop	244			\$ 403,000.00				\$ -	\$ 403,000.00
C-Wellbore Frac Prep	304				\$ 212,000.00			\$ -	\$ 212,000.00
C-Lctn/Pits/Roads	305				\$ 22,000.00			\$ -	\$ 22,000.00
C-Completion OH	306				\$ 33,000.00			\$ -	\$ 33,000.00
C-Frac Equipment	307				\$ 1,448,000.00			\$ -	\$ 1,448,000.00
C-Frac Chemicals	308				\$ 918,000.00			\$ -	\$ 918,000.00
C-Frac Proppant	309				\$ 416,000.00			\$ -	\$ 416,000.00
C-Frac Proppant Transportation	310				\$ 647,000.00			\$ -	\$ 647,000.00
C-Fuel Delivery & Services	311				\$ 93,000.00			\$ -	\$ 93,000.00
C-Water	312				\$ 612,000.00			\$ -	\$ 612,000.00
C-Frac Surface Rentals	315				\$ 577,000.00			\$ -	\$ 577,000.00
C-Contract Labor	325				\$ 22,000.00			\$ -	\$ 22,000.00
C-Company Sprvsn	326				\$ 22,000.00			\$ -	\$ 22,000.00
C-Contract Sprvsn	327				\$ 308,000.00			\$ -	\$ 308,000.00
C-Artificial Lift Install	329				\$ 99,000.00			\$ -	\$ 99,000.00
C-Perf/Wireline Svc	331				\$ 711,000.00			\$ -	\$ 711,000.00
C-Trucking/Forklift/Rig Mob	337				\$ 22,000.00			\$ -	\$ 22,000.00
C-Water Disposal	339				\$ 88,000.00			\$ -	\$ 88,000.00
C-Contingency	343				\$ 165,000.00			\$ -	\$ 165,000.00
C-Dyed Diesel	345				\$ 346,000.00			\$ -	\$ 346,000.00
C-Drillout	346				\$ 660,000.00			\$ -	\$ 660,000.00
TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
PEQ-Contract Labor	374						\$ 18,000.00	\$ -	\$ 18,000.00
PEQ-Water Disposal	387						\$ 81,000.00	\$ -	\$ 81,000.00
PEQ-HRZ Well Offset Frac	391						\$ 9,000.00	\$ -	\$ 9,000.00
Total Intangible Costs		\$ -	\$ -	\$ 4,043,000.00	\$ 7,421,000.00	\$ 291,000.00	\$ 108,000.00	\$ -	\$ 11,863,000.00
Tangible Costs									
PEQ-Flowback Crews & Equip	392						\$ 49,000.00	\$ -	\$ 49,000.00
D-Surface Casing	401			\$ 32,000.00				\$ -	\$ 32,000.00
D-Intermed Csg	402			\$ 253,000.00				\$ -	\$ 253,000.00
D-Production Casing/Liner	403			\$ 628,000.00				\$ -	\$ 628,000.00
D-Wellhead Equip	405			\$ 115,000.00				\$ -	\$ 115,000.00
C-Tubing	504				\$ 115,000.00			\$ -	\$ 115,000.00
C-Wellhead Equip	505				\$ 62,000.00			\$ -	\$ 62,000.00
TB-Tanks	510					\$ 78,000.00		\$ -	\$ 78,000.00
TB-Flowlines/Pipelines	511					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Htr Trtr/Seprtr	512					\$ 251,000.00		\$ -	\$ 251,000.00
TB-Electrical System/Equipment	513					\$ 154,000.00		\$ -	\$ 154,000.00
C-Pckrs/Anchors/Hgrs	514				\$ 143,000.00			\$ -	\$ 143,000.00
TB-Couplings/Fittings/Valves	515					\$ 261,000.00		\$ -	\$ 261,000.00
TB-Pumps-Surface	521					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Instrumentation/SCADA/POC	522					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Miscellaneous	523					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526					\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527				\$ 55,000.00			\$ -	\$ 55,000.00
PEQ-Wellhead Equipment	531						\$ 18,000.00	\$ -	\$ 18,000.00
Total Tangible Costs		\$ -	\$ -	\$ 1,028,000.00	\$ 375,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$ 2,413,000.00
Total Gross Cost									
		\$ -	\$ -	\$ 5,071,000.00	\$ 7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$ 14,276,000.00
Note: The above costs are estimates only. Actual costs will be billed as incurred.									

COG Operating LLC

By: _____

Date Prepared: 7/19/22 _____

We approve: _____
 % Working Interest

COG Operating LLC

Company: _____

By: _____

Printed Name: _____

Title: _____

Date: _____

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

COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete

Well Name ATTICUS STATE COM 706H SHL 36-255-27E: 330 FSL, 777 FWL OR UNIT M BHL 24-255-27E: 200 FNL, 330 FWL OR UNIT D Formation WOLFCAMP Legal 24, 25, 36, 25S-27E						Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200			
Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs									
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209			\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services	210			\$ 421,000.00				\$ -	\$ 421,000.00
D-Fuel & Power	211			\$ 136,000.00				\$ -	\$ 136,000.00
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D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
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D-Company Sprvsn	226			\$ 66,000.00				\$ -	\$ 66,000.00
D-Contract Sprvsn	227			\$ 165,000.00				\$ -	\$ 165,000.00
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D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
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D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmntl/Clsd Loop	244			\$ 403,000.00				\$ -	\$ 403,000.00
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C-Contract Labor	325				\$ 22,000.00			\$ -	\$ 22,000.00
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TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
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C-Tubing	504				\$ 115,000.00			\$ -	\$ 115,000.00
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TB-Flowlines/Pipelines	511					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Htr Trtr/Seprtr	512					\$ 251,000.00		\$ -	\$ 251,000.00
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TB-Couplings/Fittings/Valves	515					\$ 261,000.00		\$ -	\$ 261,000.00
TB-Pumps-Surface	521					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Instrumentation/SCADA/POC	522					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Miscellaneous	523					\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526					\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527				\$ 55,000.00			\$ -	\$ 55,000.00
PEQ-Wellhead Equipment	531						\$ 18,000.00	\$ -	\$ 18,000.00
Total Tangible Costs		\$ -	\$ -	\$ 1,028,000.00	\$ 375,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$ 2,413,000.00
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Note: The above costs are estimates only. Actual costs will be billed as incurred.									

COG Operating LLC

By: _____

Date Prepared: 7/19/22 _____

We approve:

% Working Interest

COG Operating LLC

By: _____

Company: _____
By: _____

Printed Name: _____
Title: _____
Date: _____

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



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6706
Devon Energy Production Company, LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102
Attn: Land Department

Re: **Atticus State Com 701H – 706H (Wolfcamp A)**
Atticus State Com 521H and 522H (Charkey)
Sections 24, 25 & 36, T25S-R27E
Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 701H, 702H, and 703H wells will be the E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 704H, 705H, and 706H wells will be the W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

A handwritten signature in black ink, appearing to be "SK", written over a horizontal line.

Shelley C. Klingler
Staff Land Negotiator

SCK:bh



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6690

Chevron U.S.A. Inc.

1400 Smith Street Suite 3600

Houston, TX 77002

Attn: Scott Sabrsula

Re: **Atticus State Com 521H and 522H (Charkey)**
Sections 24, 25 & 36, T25S-R27E
Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

A handwritten signature in black ink, appearing to read "SK", located below the company name.

Shelley C. Klingler
Staff Land Negotiator

SCK:bh



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6683

Read & Stevens, Inc.

P.O. Box 1518

Roswell, NM 88202

Attn: Land Department

Re: **Atticus State Com 701H – 706H (Wolfcamp A)**
Atticus State Com 521H and 522H (Charkey)
Sections 24, 25 & 36, T25S-R27E
Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 701H, 702H, and 703H wells will be the E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 704H, 705H, and 706H wells will be the W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

A handwritten signature in black ink, appearing to be "SK", written over a horizontal line.

Shelley C. Klingler
Staff Land Negotiator

SCK:bh

Company	Contact Name	Notes	Discussion Topic	Date
Devon Energy Production Company, LP	Peggy Buller	Emailed Proposals	Wolfcamp development	7/25/2022
Devon Energy Production Company, LP	Peggy Buller	Emailed answers to Devon's project questions	Wolfcamp development	7/25/2022
Devon Energy Production Company, LP	Peggy Buller	Emailed to discuss with Landman over the project	Wolfcamp development	7/26/2022
Devon Energy Production Company, LP	Verl Brown	Emailed to discuss with Atticus project with their Landman	Wolfcamp development	8/2/2022
Devon Energy Production Company, LP	Verl Brown	Set up Teams meeting to discuss project	Wolfcamp development	8/2/2022
Devon Energy Production Company, LP	Verl Brown	Teams meeting to go over project/OA/proposals, emailed proposed OA (certified mail sent later)	Wolfcamp development	8/3/2022
Devon Energy Production Company, LP	Verl Brown	Confirmation of proposed OA receipt	Wolfcamp development	8/10/2022
Devon Energy Production Company, LP	Verl Brown	Email and phone call with Devon letting me know they prefer I file the pooling as they prefer not to sign the proposed OA	Wolfcamp development	8/11/2022
Devon Energy Production Company, LP	Verl Brown	Emailed revised proposals	Wolfcamp development	8/17/2022
Devon Energy Production Company, LP	Verl Brown	Emailed to confirm Devon's ask about rescinding the first batch of proposals that we revised for the Wolfcamp	Wolfcamp development	8/18/2022
Devon Energy Production Company, LP	David Korell	In person discussion about Atticus project and Devon's interest and pooling. No objection from Devon.	Wolfcamp development	9/21/2022
Read & Stevens Inc	Lydia Lara	Discussed on phone, confirmed email	Wolfcamp development	8/3/2022
Read & Stevens Inc	Lydia Lara	Emailed about proposed OA	Wolfcamp development	8/3/2022
Read & Stevens Inc	Lydia Lara	Emailed revised proposals	Wolfcamp development	8/17/2022
Read & Stevens Inc	Harrison Read	Received a call from Harrison asking for WI/NRI	Wolfcamp development	8/29/2022

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A5
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

Read & Stevens Inc	Lydia Lara	Emailed approximate WI/NRI per their request	Wolfcamp development	8/29/2022
Read & Stevens Inc	Harrison Read	Emailed about a dispute to their WI based on an updated DDOTO.	Wolfcamp development	9/7/2022
Read & Stevens Inc	Harrison Read	Phone discussion about WI dispute. Read & Stevens is searching their records to confirm/dispute new findings.	Wolfcamp development	9/7/2022

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

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

CASE NOS. 23052 & 23053

SELF AFFIRMMENT STATEMENT OF JESSICA PONTIFF, GEOLOGIST

1. My name is Jessica Pontiff, and I am employed by COG Operating LLC ("COG"), now a wholly-owned subsidiary of ConocoPhillips Company as a petroleum geologist. My responsibilities include the Permian Basin of New Mexico. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology.

2. I am familiar with the applications filed by COG in these consolidated matters, and I have conducted a geologic study of the lands in the subject area.

3. The initial target interval for COG's proposed Atticus State Com 700 series wells is the upper sands of the Wolfcamp formation underlying Sections 24, 25 and 36, Township 25 South, Range 27 East, NMPM, in Eddy County.

4. **Exhibit B-1** is a general location map showing the proposed spacing units in yellow in relation to a nearby landmark, the town of Carlsbad, NM, state and county lines. On the expanded map, the proposed spacing units are also highlighted in yellow with the approximate location and orientation of the Wolfcamp wells noted with red dash lines. Existing producing wells in the target interval are represented by light purple solid lines.

5. **Exhibit B-2** is subsea structure map for the top of the Wolfcamp formation. The structure map shows structure for the target formation gently dipping to the east, depicted by a 50' contour interval. The data points controlling the structure map are depicted as small red crosses.

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053**

The structure appears consistent across the proposed spacing units, and I do not observe any faults, pinch outs, or other geologic impediments to drilling horizontal wells.

6. **Exhibit B-3** identifies the location of three nearby wells penetrating the target interval and shows a line of cross section into the proposed horizontal spacing units from A to A'. I chose these wells to create the cross section because they penetrate the targeted interval, are of good quality, and have been subjected to petrophysical analysis across the targeted interval. In my opinion, these wells are representative of the geology in the subject area.

7. **Exhibit B-4** is a stratigraphic cross-section that I prepared using the logs from the representative wells shown on Exhibit B-3. Each well on the cross-section contains gamma ray, resistivity, and porosity logs. The target interval for the proposed wells is marked on the cross section. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing units.

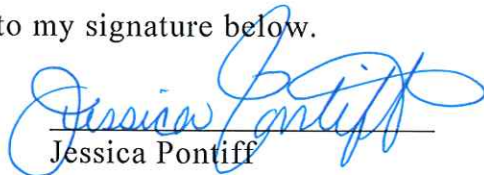
8. My geologic study indicates the Wolfcamp formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed horizontal spacing units will be productive and is expected to contribute proportionately to the production from the wells.

9. **Exhibit B-3** also shows the existing Wolfcamp development in this area as light purple solid lines. In my opinion, the standup orientation of the proposed wells is appropriate to properly develop the subject acreage because of expected similar rock properties throughout and equivalent orientation with offset producers to the east and west.

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

11. Exhibits B-1 through B-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.

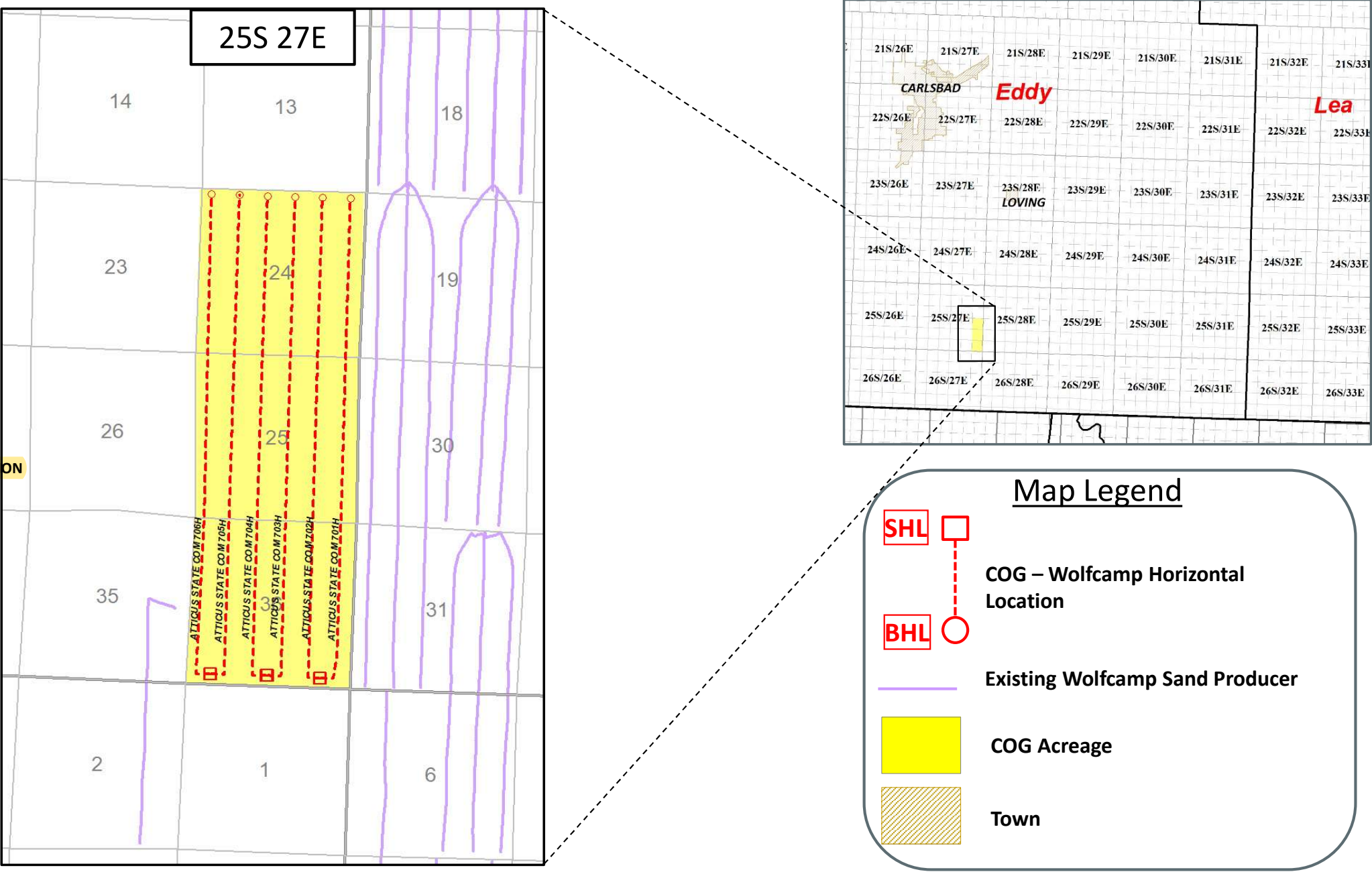


Jessica Pontiff

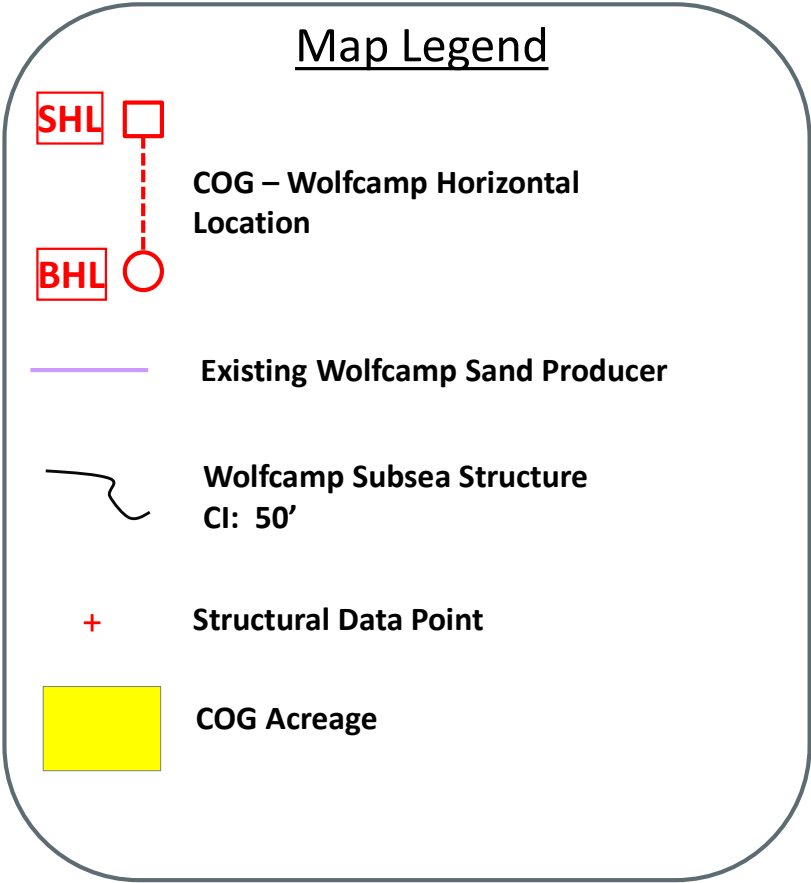
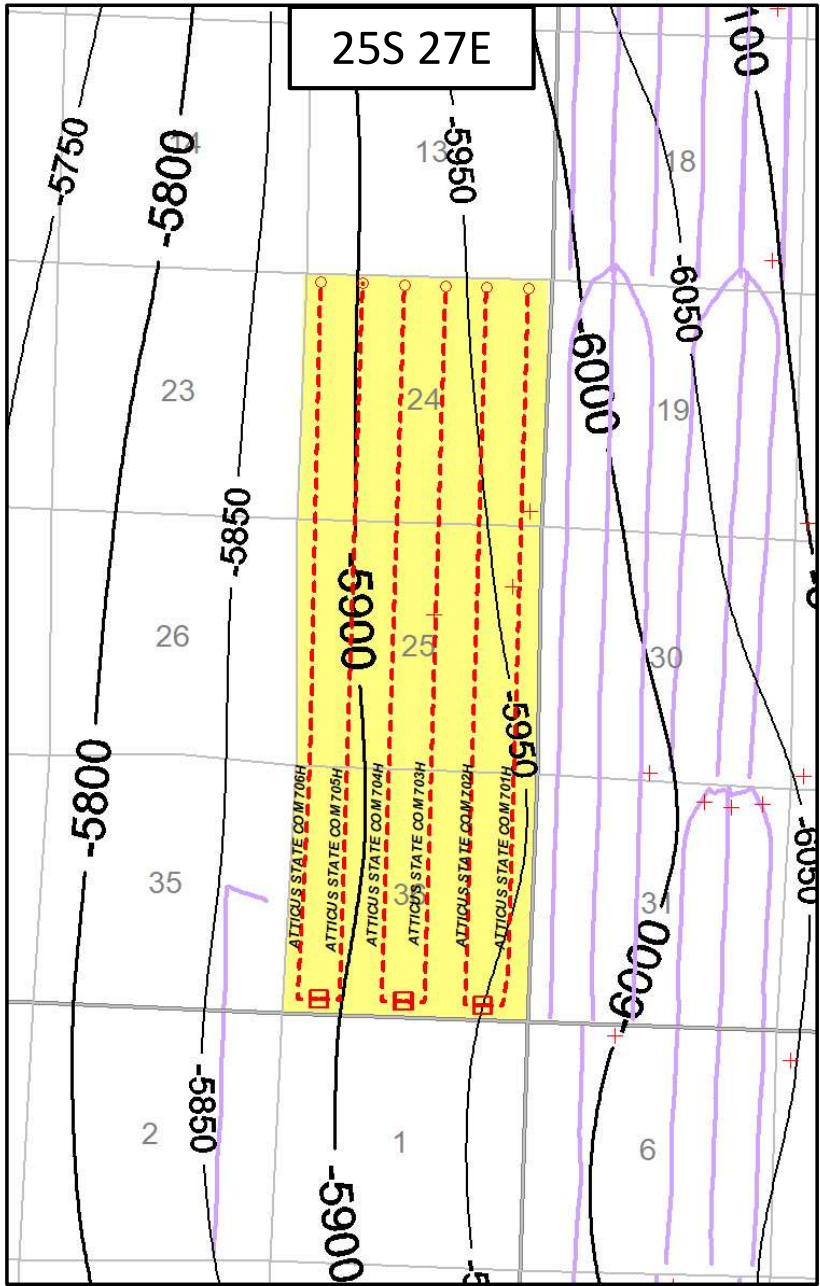
10.4.22
Date

Atticus State Com 701H, 702H, 703H, 704H, 705H, 706H Wolfcamp(WFMP): Location Map

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B1
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
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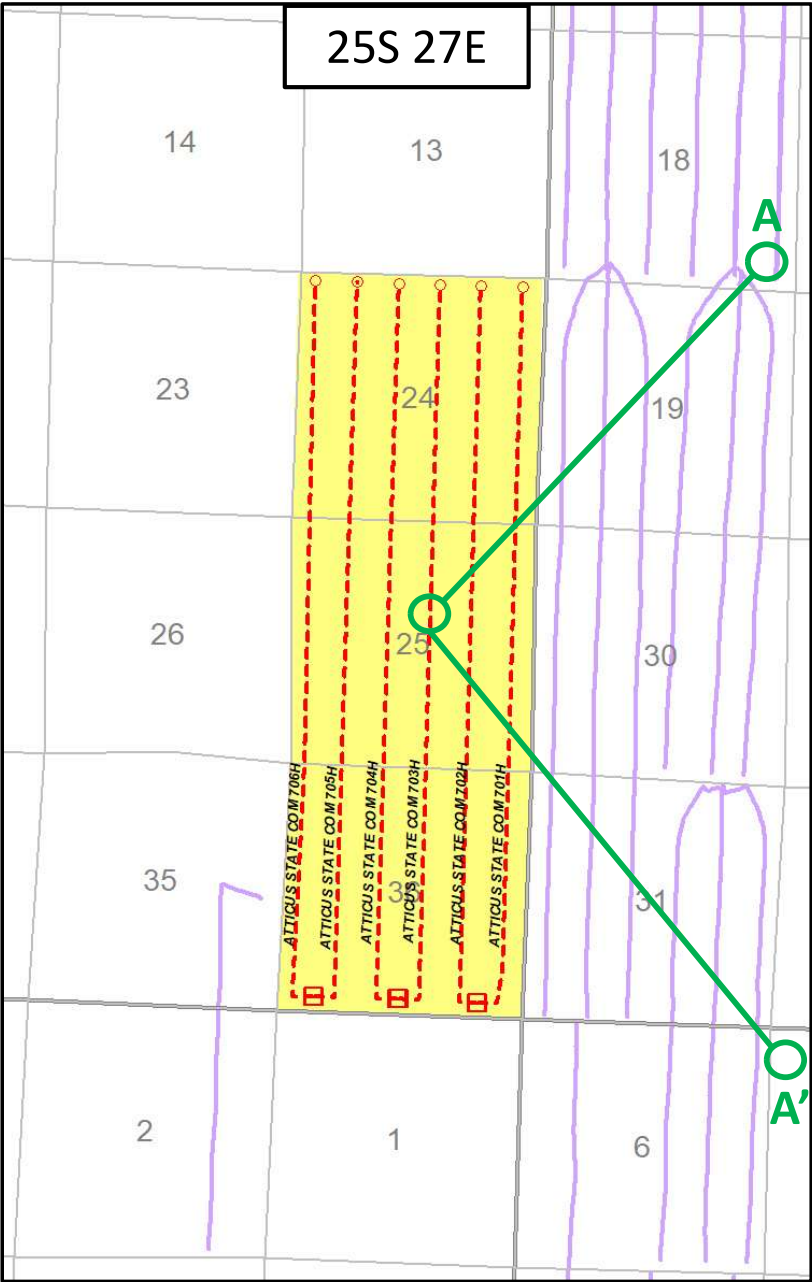


Atticus State Com 701H, 702H, 703H, 704H, 705H and 706H: Top WFMP – Structure Map



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B2
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

Atticus State Com 701H, 702H, 703H, 704H, 705H and 706H WFMP: Cross Section Map



Map Legend

SHL

BHL

COG – Wolfcamp Horizontal Location

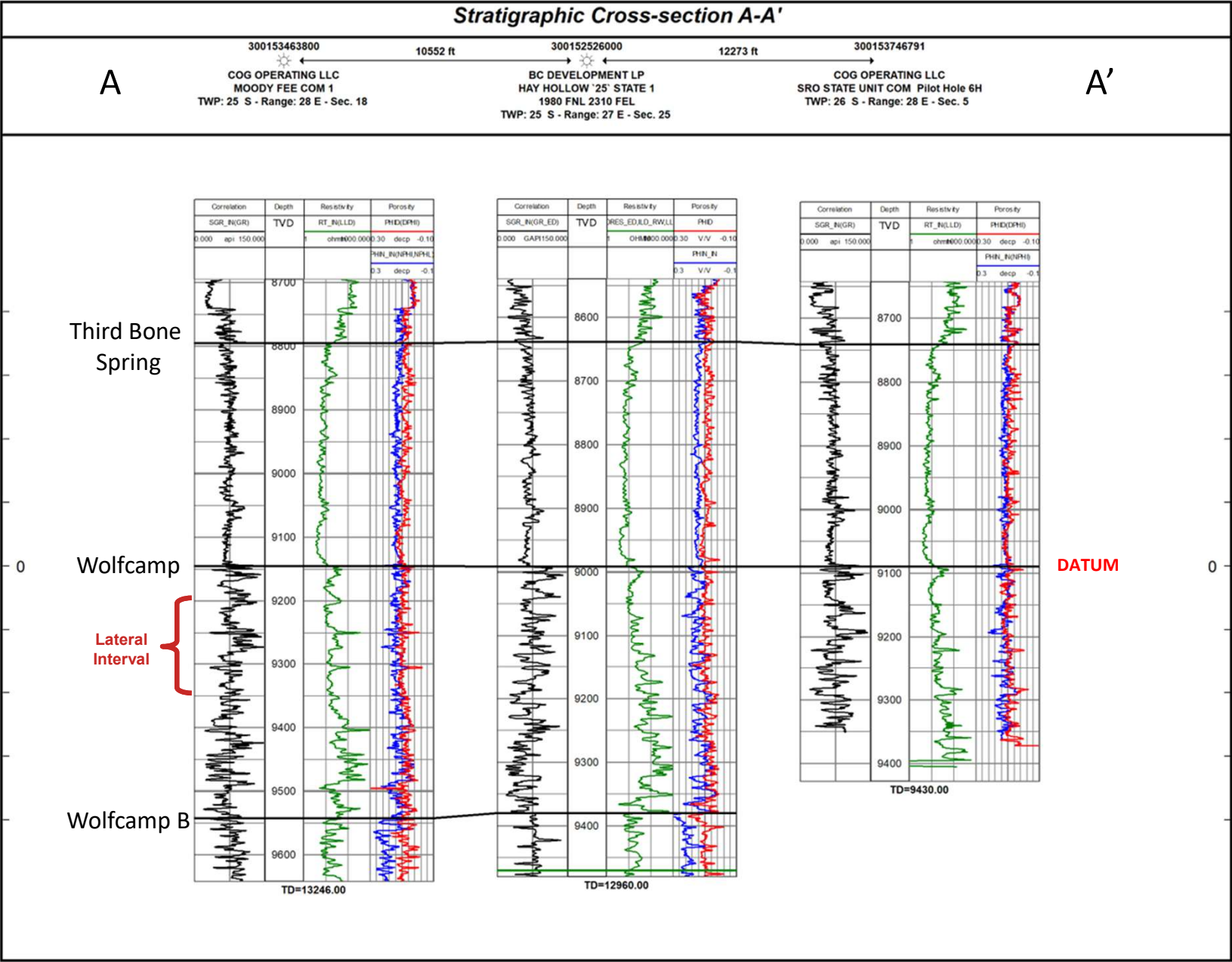
Existing Wolfcamp A Sand Producer

Cross Section Line

COG Acreage

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Santa Fe, New Mexico
Exhibit No. B3
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
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Atticus State Com: Wolfcamp – Stratigraphic Cross Section A – A'



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B4
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

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

**APPLICATIONS OF COG OPERATING LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NOS. 23052 & 23053

AFFIDAVIT

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

Michael H. Feldewert, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

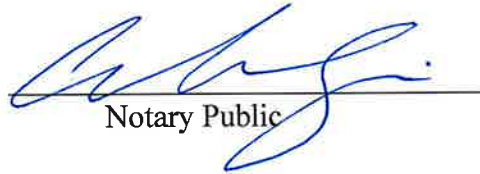
1. The above-referenced applications and notice of the hearing on these applications were sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of September 28, 2022.



Michael H. Feldewert

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053**

SUBSCRIBED AND SWORN to before me this 3rd day of October, 2022 by Michael H.
Feldewert.


Notary Public

My Commission Expires:

Nov. 12, 2023

STATE OF NEW MEXICO
NOTARY PUBLIC
CARLA GARCIA
COMMISSION # 1127528
COMMISSION EXPIRES 11/12/2023



Michael H. Feldewert
Partner
Phone (505) 988-4421
mfeldewert@hollandhart.com

September 16, 2022

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

**Re: Application of COG Operating, LLC for Compulsory Pooling, Eddy County,
New Mexico: Atticus State Com 701H, 702H and 703H wells**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on October 6, 2022, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>.

Due to the remodeling of the state building where the New Mexico Oil Conservation Division is located, hearings will be conducted remotely beginning at 8:15 a.m. To participate in the electronic 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 Shelley Klingler at (432) 688-9027 or at Shelley.C.Klinger@conocophillips.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael H. Feldewert".

Michael H. Feldewert
ATTORNEY FOR COG OPERATING, LLC

T 505.988.4421 F 505.983.6043
110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849
Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208
www.hollandhart.com



Michael H. Feldewert
Partner
Phone (505) 988-4421
mfeldewert@hollandhart.com

September 16, 2022

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

**Re: Application of COG Operating, LLC for Compulsory Pooling, Eddy County,
New Mexico: Atticus State Com 704H, 705H and 706H wells**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on October 6, 2022, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/oed/>.

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Sincerely,

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Michael H. Feldewert
ATTORNEY FOR COG OPERATING, LLC

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Alaska
Colorado
Idaho

Montana
Nevada
New Mexico

Utah
Washington, D.C.
Wyoming

COG - Atticus 521H-522H, 701H-706H
Case Nos 23050-2305 Postal Delivery Reports

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
9414811898765819916805	Devon Energy Production Company , L.P.	333 W Sheridan Ave	Oklahoma City	OK	73102-5010	Your item was picked up at a postal facility at 8:13 am on September 19, 2022 in OKLAHOMA CITY, OK 73102.
9414811898765819916898	Chevron U.S.A. Inc. attn Land Department	6301 Deauville	Midland	TX	79706-2964	Your item was picked up at a postal facility at 2:38 pm on September 21, 2022 in MIDLAND, TX 79701.
9414811898765819916874	Read & Stevens, Inc.	PO Box 1518	Roswell	NM	88202-1518	Your item was picked up at the post office at 9:18 am on September 21, 2022 in ROSWELL, NM 88201.