



COG OPERATING LLC
Pitchblende 24-25 Fed Com 705H
Lea County, New Mexico

Case No. 25072
BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING February 13, 2025



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

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

CASE NO. 25072

TABLE OF CONTENTS

- **COG Exhibit A:** Compulsory Pooling Application Checklist
- **COG Exhibit B:** Application for Compulsory Pooling
- **COG Exhibit C:** Self-Affirmed Statement of Caroline Frederick, Landman
 - COG Exhibit C-1: Resume
 - COG Exhibit C-2: C-102
 - COG Exhibit C-3: Land Tract Map / Uncommitted Interest Owners
 - COG Exhibit C-4: Sample Well Proposal Letter with AFEs
 - COG Exhibit C-5: Chronology of Contacts
- **COG Exhibit D:** Self-Affirmed Statement of Tyler Patrick, Geologist
 - COG Exhibit D-1: Resume
 - COG Exhibit D-2: Locator map
 - COG Exhibit D-3: Subsea structure & cross-section map
 - COG Exhibit D-4: Stratigraphic cross-section well map
 - COG Exhibit D-5: Stratigraphic cross-section
- **COG Exhibit E:** Self-Affirmed Statement of Notice
- **COG Exhibit F:** Affidavit of Publication for the Case

COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNATURE**

Case: 25072	APPLICANT'S RESPONSE
Date:	February 13, 2025
Applicant	COG Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	COG Operating, LLC [OGRID 229137]
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.
Entries of Appearance/Intervenors:	N/A
Well Family	Pitchblende
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:	Dogie Draw; Wolfcamp [17980]
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640-acres
Building Blocks:	40 acres
Orientation:	Standup / North-South
Description: TRS/County	W/2 of Sections 24 and 25, Township 25 South, Range 34 East, NMPM, Lea 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
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	Yes.
Proximity Defining Well: if yes, description	Yes; the completed interval of the well 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 well spacing unit under 19.15.16.15.B(1)(b) NMAC.
Applicant's Ownership in Each Tract	Exhibit C-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>Pitchblende 24-25 Federal Com #705H</u> API 30-025-51663 SHL: 210' FNL & 1,400' FWL (Unit C) of Section 24 BHL: 50' FSL & 1,254' FWL (Unit M) of Section 25 Completion Target: Wolfcamp formation Well Orientation: Standup / North-South Completion Location expected to be: Standard / Proximity well
Received by Integrity 2/13/2025 3:40:14 PM	Exhibit C-2

Completion Target (Formation, TVD and MD)	Exhibit C-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit B
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit F
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3
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)	Exhibit C-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-4
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-3
Chronology of Contact with Non-Joined Working Interests	Exhibit C-5
Overhead Rates In Proposal Letter	Exhibit C-4
Cost Estimate to Drill and Complete	Exhibit C-4
Cost Estimate to Equip Well	Exhibit C-4
Cost Estimate for Production Facilities	Exhibit C-4
Geology	
Summary (including special considerations)	Exhibit D
Spacing Unit Schematic	Exhibit D-1
Gunbarrel/Lateral Trajectory Schematic	Exhibit D-2
Well Orientation (with rationale)	Exhibit D
Target Formation	Exhibit D
HSU Cross Section	Exhibit D-5
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-2
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3
General Location Map (including basin)	Exhibit D-1
Well Bore Location Map	Exhibit D-2
Structure Contour Map - Subsea Depth	Exhibit D-3
Cross Section Location Map (including wells)	Exhibit D-3, D-4
Cross Section (including Landing Zone)	Exhibit D-5
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):	Paula M. Vance

Signed Name (Attorney or Party Representative):



Date:

6-Feb-25

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

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

CASE NO. 25072

APPLICATION

COG Operating LLC (“COG” or “Applicant”) (OGRID No. 229137), through its undersigned attorneys, hereby files this application with the Oil Conservation Division for an order pooling all uncommitted interests in the Wolfcamp (oil) formation underlying a standard 640-acre, more or less, horizontal well spacing unit comprised of the W/2 of Sections 24 and 25, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. In support of this 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 **Pitchblende 24-25 Federal Com #705H** well, to be horizontally drilled from a surface location in the N/2 NW/2 of Section 24, with a first take point in the NW/4 NW/4 (Unit D) of Section 24 and last take point in the SW/4 SW/4 (Unit M) of Section 25.
3. The completed interval of the well 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 well spacing unit under 19.15.16.15.B(1)(b) NMAC.
4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072

5. The pooling of interests 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 January 9, 2025, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the proposed horizontal well spacing unit;
- B. Designating COG Operating LLC as operator of this horizontal well spacing unit and the well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

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
agrarkin@hollandhart.com
pmvance@hollandhart.com

ATTORNEYS FOR COG OPERATING LLC

CASE _____: **Application of COG Operating LLC for Compulsory Pooling, Lea County, New Mexico.** Applicant in the above-styled cause seeks an order pooling certain non-cost bearing interest owners in the Wolfcamp (oil) formation underlying a standard 640-acre, more or less, horizontal well spacing unit comprised of the W/2 of Sections 24 and 25, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the **Pitchblende 24-25 Federal Com #705H** well, to be horizontally drilled from a surface location in the N/2 NW/2 of Section 24, with a first take point in the NW/4 NW/4 (Unit D) of Section 24 and last take point in the SW/4 SW/4 (Unit M) of Section 25. The completed interval of the well 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 well spacing unit under 19.15.16.15.B(1)(b) NMAC. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of COG Operating LLC as operator of the well, and a 200% charge for risk involved in drilling the well. Said area is located approximately 14 miles west of Jal, New Mexico.

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

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

CASE NO. 25072

SELF-AFFIRMED STATEMENT OF CAROLINE FREDERICK

1. My name is Caroline Frederick, and I am a Landman with COG Operating LLC (“COG”), now a wholly-owned subsidiary of ConocoPhillips Company.

2. I have not previously testified before the New Mexico Oil Conservation Division (“Division”) as an expert witness in petroleum land matters. I have included a copy of my resume as **COG Exhibit C-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 land matters.

3. I am familiar with the application filed by COG in this case and the status of the lands in the subject area.

4. In **Case No. 25072**, COG seeks to pool the uncommitted interests in the Wolfcamp (oil) formation underlying a standard 640-acre, more or less, horizontal well spacing unit comprised of the W/2 of Sections 24 and 25, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico and dedicate the unit to the proposed **Pitchblende 24-25 Federal Com #705H** well, to be horizontally drilled from a surface location in the N/2 NW/4 of Section 24, with a first take point in the NW/4 NW/4 (Unit D) of Section 24 and last take point in the SW/4 SW/4 (Unit M) of Section 25.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072

5. The **Pitchblende 24-25 Federal Com #705H** is expected to remain within 330 feet of the adjoining quarter-quarter section (or equivalent) tracts to allow inclusion of proximity tracts within the proposed horizontal well spacing unit under 19.15.16.15.B(1)(b) NMAC.

6. **COG Exhibit C-2** contains a C-102 for the proposed. The well is dedicated to the (Dogie Draw; Wolfcamp [17980]). This form demonstrates that the completed interval for the well will comply with statewide setbacks for oil wells.

7. **COG Exhibit C-3** identifies the tracts of land comprising the horizontal spacing unit, the ownership interests in each tract, and ownership interests on a spacing unit basis. The subject acreage is comprised of federal lands. The parties COG seeks to pool are highlighted in yellow.

8. **COG Exhibit C-4** contains a sample of the well proposal letter and AFEs sent to owners with a working interest. The costs reflected in the AFEs are consistent with what COG and other operators have incurred for drilling similar horizontal wells in the area in this formation.

9. COG requests that the overhead and administrative costs for drilling and producing the proposed well 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.

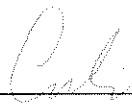
10. **COG Exhibit C-5** contains a general summary of the contacts with the uncommitted interest owners. As indicated in the exhibit, COG has made a good faith effort to locate and has had communications with all of the parties that it seeks to pool in this case in an effort to reach voluntary joinder. In my opinion, COG has undertaken good faith efforts to reach an agreement with the uncommitted interest owners

11. COG has 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.

COG has conducted a diligent search of all public records in the county where the property is located, reviewed telephone directories, and conducted computer searches to locate contact information for each interest owner.

12. **COG Exhibit C-1 through C-5** 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.



Caroline Frederick

2/4/2025

Date

Caroline Frederick

432.222.4721 | caroline.frederick@conocophillips.com

EDUCATION**Texas Tech University, Rawls College of Business** | Lubbock, TX**May 2023***Bachelor of Business Administration, Energy Commerce**Magna Cum Laude*

- Presidential Scholarship **Fall 2019 – Spring 2023**
- Castle Hills Schools Foundation Scholarship **Fall 2019 – Spring 2023**
- ConocoPhillips SPIRIT Scholarship **Fall 2022 – Spring 2023**

EXPERIENCE**ConocoPhillips** | Midland, TX*Associate Land Negotiator***June 2023 – Present**

- Coordinate with surface land, engineering, geology, finance, legal, midstream, division order, HSE, and accounting functions on various projects in Lea County, New Mexico
- Work with NMSLO and BLM staff on various ConocoPhillips-operated projects

*Land Negotiator Intern***May – August 2022**

- Gain experience in mineral land work including deal negotiation, contract drafting, due diligence, and decision support
- Conduct lease, contract, and ownership analysis
- Collaborate with engineering, geology, finance and accounting functions

*University Recruiting***July 2023 – Present**

- Aid in meeting ConocoPhillips' hiring needs by participating in recruiting events and interviews to identify intern and new hire candidates

Texas Tech University System, Office of the Chancellor | Lubbock, TX**February 2020 – May 2023***Student Assistant*

- Assist with Chancellor's office correspondence, executive and Board of Regents meetings, and special events for Texas Tech University System Relations
- Work with Chancellor's staff on special projects
- Serve as office liaison for the Chancellor's Ambassadors program

INVOLVEMENT**American Association of Professional Landmen****July 2023 – Present***Member*

- Attend trainings over various topics including New Mexico Pooling and Spacing Rules, Cessation of Production in New Mexico, Facilities, Production, and Permian Basin Oil and Gas Law

Permian Basin Landmen's Association**July 2023 – Present***Member*

- Attend meetings featuring educational guest speakers over Permian-specific industry topics

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. C-1Submitted by: **COG Operating LLC**

Hearing Date: February 13, 2025

Case No. 25072

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024
	Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal	
		<input type="checkbox"/> Amended Report	
		<input type="checkbox"/> As Drilled	

WELL LOCATION INFORMATION

API Number 30-025-51663	Pool Code 17980	Pool Name Dogie Draw; Wolfcamp
Property Code	Property Name PITCHBLENDE 24-25 FEDERAL COM	Well Number 705H
OGRID No. 229137	Operator Name COG OPERATING LLC	Ground Level Elevation 3366.3'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	24	25-S	34-E		210 FNL	1400 FWL	32.122624°N	103.427683°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	25	25-S	34-E		50 FSL	1254 FWL	32.094321°N	103.428145°W	LEA

Dedicated Acres 640	Infill or Defining Well Defining	Defining Well API 30-025-51663	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	24	25-S	34-E		210 FNL	1400 FWL	32.122624°N	103.427683°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	24	25-S	34-E		100 FNL	1254 FWL	32.122927°N	103.428154°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	25	25-S	34-E		100 FSL	1254 FWL	32.094458°N	103.428145°W	LEA

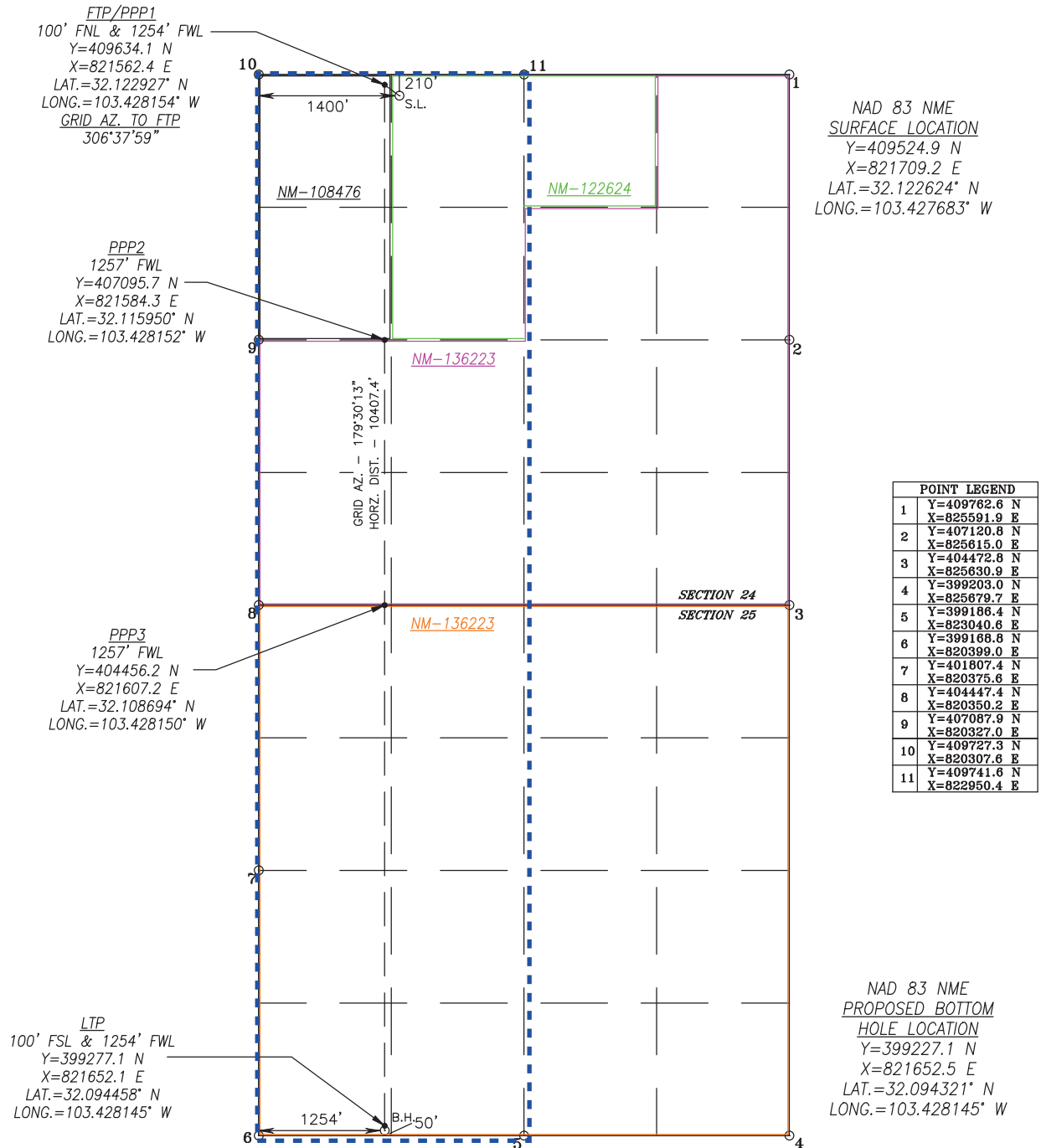
Unitized Area or Area of Uniform Interest COM	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3366.3'
---	--	---

OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.		SURVEYOR CERTIFICATIONS 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.	
Signature Mayte Reyes	Date 12/6/2024	Signature and Seal of Professional Surveyor  Chad Harcrow 11/10/24	
Printed Name Mayte Reyes	Email Address mayte.x.reyes@cop.com	Certificate Number 17777	Date of Survey N W.O.#24-105

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. C-2
 Submitted by: **COG Operating LLC**
 Hearing Date: February 13, 2025
 Case No. 25072

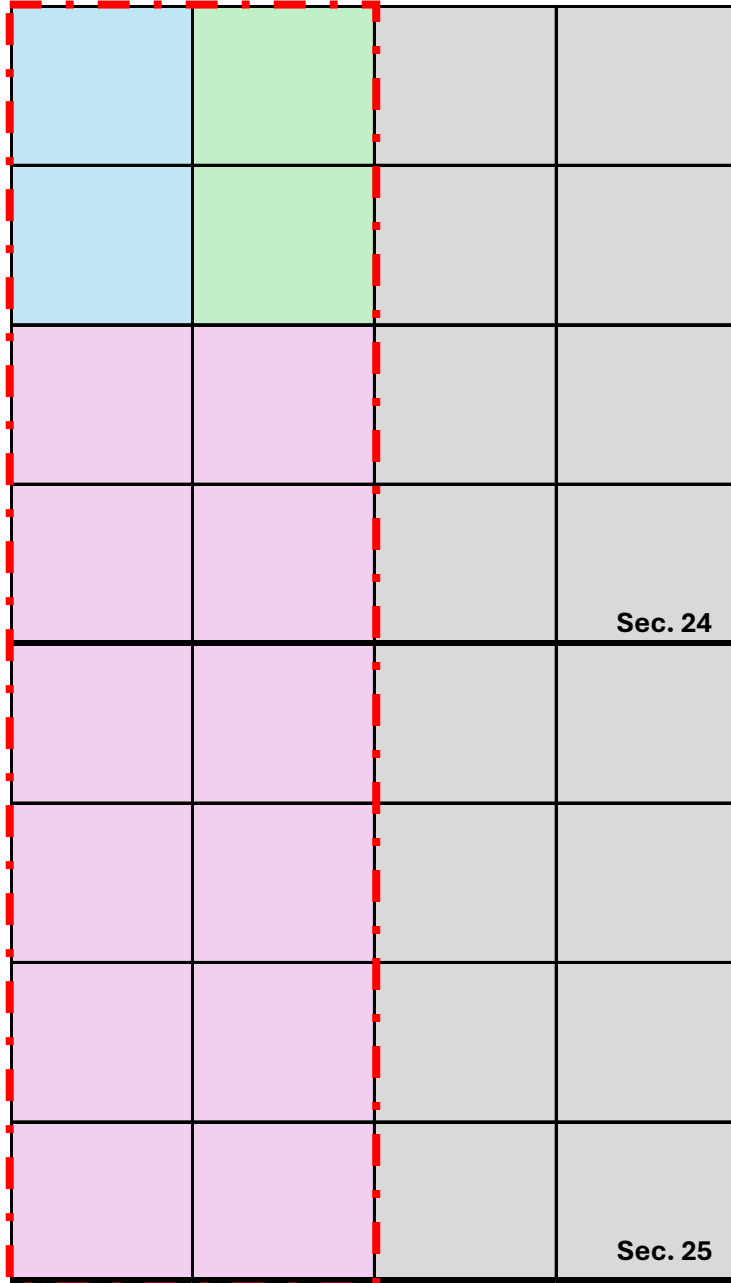
This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



Pitchblende 24 25 Federal Com

Sections 24 and 25, T25S-R34E, NMPM, Lea County, New Mexico



Tract 1
 Sec. 24: W2NW4
 USA NM-108476



Tract 2
 Sec. 24: E2NW4
 USA NM-122624



Tract 3
 Sec. 24: SW4
 Sec. 25: W2
 USA NM-136223

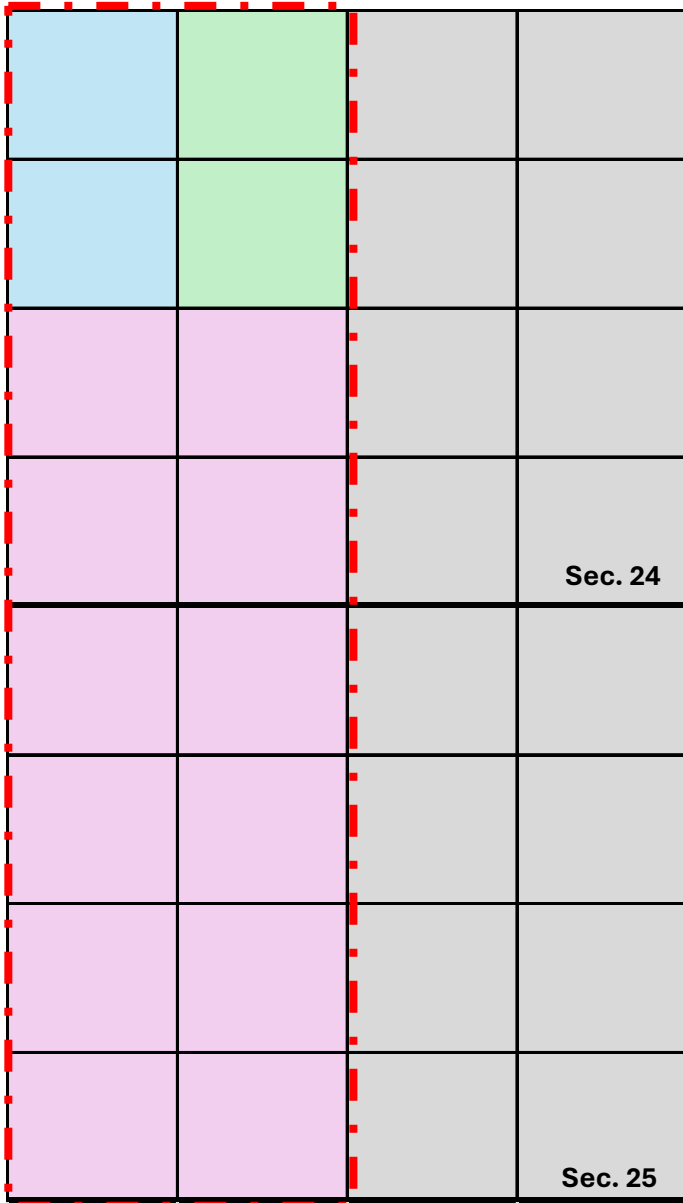


#705H
 Wolfcamp
 640.00 acres

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. C-3
 Submitted by: **COG Operating LLC**
 Hearing Date: February 13, 2025
 Case No. 25072

Pitchblende 24 25 Federal Com

Sections 24 and 25, T25S-R34E, NMPM, Lea County, New Mexico



Tract 1
 Sec. 24: W2NW4
 USA NM-108476

Lessee: EOG Resources Inc. – 66.67%
 Oxy Y-1 Company – 33.33%

Op. Rights: COG Operating LLC – 75.438163%
 Oxy Y-1 Company – 24.561837%

ORRI: 5.00%

Tract 2
 Sec. 24: E2NW4
 USA NM-122624

Lessee: EOG Resources Inc. – 100%

Op. Rights: COG Operating LLC – 100%

Tract 3
 Sec. 24: SW4
 Sec. 25: W2
 USA NM-136223

Lessee: RSP Permian LLC – 100%

Op. Rights: RSP Permian LLC – 100%

RECAPITULATION	
COG Operating LLC:	21.92977%
RSP Permian LLC:	75.00%
Oxy Y-1 Company:	3.070230%
TOTAL:	100.00%

Oxy Y-1 Company

All parties listed/highlighted are being pooled.

Owner Name	Address	City	State	Zip	Tracking #	Sent Date	Delivery Date	Election/ Executed	Comments
Oxy Y-1 Company	5 Greenway Plaza, Suite 110	Houston	TX	77046	Fed Ex 034162 281294363630	10/31/2024	11/1/2024	No	N/A



ConocoPhillips
 600 W. Illinois Ave.
 Midland, TX 79701
 www.conocophillips.com

Via Federal Express

October 31, 2024

Oxy Y-1 Company
 5 Greenway Plaza, Suite 110
 Houston, TX 77046

Re: **Well Proposal – Pitchblende 24-25 Federal Com 705H**
 Township 25 South – Range 34 East, N.M.P.M.
 Sections 24 and 25
 Lea County, New Mexico
 640.0/acres- Wolfcamp Formation

Oxy Y-1 Company:

COG Operating LLC (“COG”), as Operator, hereby proposes to drill the Pitchblende 24-25 Federal Com 705H well. The proposed 2 mile horizontal well will have a productive lateral in the W2 of Sections 24 and 25, T25S-R34E, Lea County, New Mexico and will be drilled to test the Wolfcamp formation.

- **Pitchblende 24-25 Federal Com 705H**, to be drilled to a depth sufficient to test the Wolfcamp formation at an approximate total vertical depth of 12,525 feet. The surface hole location for this well will be located in the N2N2 of Section 24, T25S-R34E. The first take point for this well is at approximately 100’ FNL, 1,254’ FWL of Section 24, and the last take point is at approximately 100’ FSL, 1,254’ FWL of Section 25. The bottom hole location is approximated to be 50’ FSL, 1,254’ FWL of Section 25. The dedicated horizontal spacing unit will be the W2 of Sections 24 and 25, T25S-R34E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$11,794,506.00, as shown on the attached Authority for Expenditure (“AFE”).

COG proposes the well under the terms of a new Operating Agreement which is included for your review and approval. The Operating Agreement has the following general provisions:

- 100%/300% Non-Consenting Penalty;
- \$8,000 Drilling and \$800 Producing Rate; and
- COG Operating LLC named as Operator

In the event you wish to not participate, COG would like to discuss the term assignment of your interest to COG. Please inform me if you are interested in a term assignment via email at caroline.frederick@conocophillips.com.

The Term Assignment offer terminates December 31, 2024, and is subject to the approval of COG’s management and verification of title.

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. C-4
 Submitted by: **COG Operating LLC**
 Hearing Date: February 13, 2025
 Case No. 25072

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

Please indicate your participation election in the spaces provided on page 3, sign, and return this letter, along with a signed copy of the enclosed AFE and fully executed signature pages to the JOA in the enclosed postage paid envelope.

If you have any questions, please do not hesitate to contact me at 432.222.4721 or by email at caroline.frederick@conocophillips.com.

Respectfully,

Caroline Frederick

Caroline Frederick
Associate Land Negotiator
North Delaware Basin East

_____ I/We hereby elect to participate in the drilling and completion of the
PITCHBLENDE 24-25 FEDERAL COM 705H

_____ I/We hereby elect **not** to participate in the drilling and completion of the
PITCHBLENDE 24-25 FEDERAL COM 705H

Oxy Y-1 Company

By: _____
Name: _____
Title: _____
Date: _____

Project Cost Summary



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

Well Name

Job Type

State

County/Parish

Cost Feature Group	Grand Total			
	Drilling	Completions	Pumping Equipment	Facilities
A000: CASING & TUBING	\$1,427,000.00		\$184,250.00	
B000: WELLHEAD, XMAS TREE, AND ASST EQUIPT	\$75,000.00	\$10,000.00	\$57,200.00	
C000: COMPLETION EQUIPMENT & OTHER			\$176,200.00	\$718,197.00
D000: LOCATION (WELLSITE RELATED)	\$206,650.00	\$12,500.00	\$4,000.00	\$30,482.00
E000: RIGS & RIG RELATED	\$1,120,000.00		\$18,600.00	
F000: DRILLING & COMPLETION UTILITIES (ALL)	\$307,000.00	\$933,000.00		
G000: FLUID AND CHEMICALS SERVICES	\$312,000.00	\$40,000.00		
H000: DIRECTIONAL DRILLING / MWD / LWD	\$391,600.00			
J000: CEMENTING MATERIALS, SERVICES, AND CSG ACCS	\$302,505.00			
K000: FORMATION EVALUATION	\$50,000.00			
M000: COMPLETION & TESTING		\$15,000.00		
N000: FORMATION STIMULATION & TREATING		\$2,462,000.00		
O000: CERTIFICATION, INSPECT, CONTROL & TEST				
P000: TRANSPORTATION SUPPLY & DISPOSAL	\$75,000.00	\$30,000.00	\$19,500.00	
Q000: DRLG TOOLS & EQPT RNTAL W/WO OPR	\$398,400.00	\$488,000.00	\$11,550.00	
R000: BITS & MILLS	\$115,000.00			
S000: SPECIAL SERVICES	\$125,500.00	\$304,000.00	\$17,100.00	
T000: MISCELLANEOUS	\$456,700.00	\$147,000.00	\$51,000.00	\$90,814.00
U000: PERFORATING & SLICKLINE SERVICES		\$311,000.00	\$8,500.00	
V000: ENG & CONSTRUCTION(E&C), CONSLT, R&D				
W000: GENERAL FEES	\$42,500.00			
X000: CONOCOPHILLIPS LABOR & OVERHEAD	\$7,200.00	\$22,000.00	\$8,000.00	\$3,558.00
Y000: TOTALS, CONTINGENCY & MISCELLANEOUS	\$113,000.00	\$96,000.00		
Grand Total	\$5,525,055.00	\$4,870,500.00	\$555,900.00	\$843,051.00

Grand Total (\$)

11,794,506.00

Approved By: _____

Date _____

Last Edited By

Last Edited Date

Approved By

Approved Date

Additional Communication	
10/30/2024	Rachel McDown (rachel_mcdown@oxy.com) at Oxy reached out via email regarding the well proposal, I emailed back with digital copies of said proposals and notified her that they were to be mailed the following day.
10/31/2024	Mailed well proposal, CA, and JOA to Oxy Y-1 Company and emailed Ms. McDown to follow up.
11/5/2024	Ms. McDown reached out via email stating they received the package and asked some technical questions to which I responded with answers.
11/6/2024	Had a conversation with Ms. McDown via email regarding Oxy's % of interest in the unit. She stated, "I will start going through the JOA this week so that we can get our redlines over to you soon."
11/11/2024	Followed up with Ms. McDown via email, she stated she would review the JOA by the end of the week.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-5
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072

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

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

CASE NO. 25072

SELF-AFFIRMED STATEMENT OF TYLER PATRICK

1. My name is Tyler Patrick, and I am a Geologist with COG Operating LLC (“COG”), now a wholly-owned subsidiary of ConocoPhillips Company.

2. I have not previously testified before the New Mexico Oil Conservation Division (“Division”) as an expert witness in petroleum land matters. I have included a copy of my resume as **COG 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 land matters.

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

4. **COG Exhibit D-2** is a locator map depicting COG’s acreage in yellow for the Wolfcamp formation within the proposed spacing unit. Existing producing Wolfcamp formation wells in the Wolfcamp shale interval, which is the interval targeted by COG’s proposed well, are represented by solid lines in the color indicated by the Map Legend. The approximate wellbore path for COG’s proposed well is within the Wolfcamp shale interval and depicted with dashed lines.

5. **COG Exhibit D-3** is a subsea structure map that I prepared on top of the Wolfcamp formation, with contour intervals of 50 feet. The approximate wellbore paths for the proposed well are again depicted with dashed lines. This map shows that the formation is gently dipping to the

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072

south in this area. I do not observe any faulting, pinchouts, or other geologic impediments to developing the targeted interval with horizontal wells in this area.

6. **COG Exhibit D-4** overlays a cross-section line consisting of two wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross section from A to A'. I consider these well logs to be representative of the geology in the area.

7. **COG Exhibit D-5** is a stratigraphic cross-section using the representative wells depicted in COG Exhibit D-3. Each well in the cross-section contains gamma ray, resistivity, and porosity logs. The target interval within the Wolfcamp sand is labeled on the exhibit. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing unit.

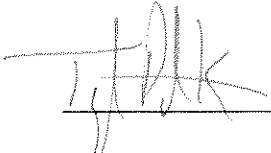
8. My geologic study indicates the Wolfcamp formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed horizontal spacing unit will be productive and contribute proportionately to the production from the well.

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

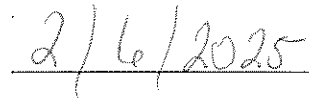
10. In my opinion, approval of this application is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

11. **COG Exhibits D-1 through D-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.



Tyler Patrick



Date

Tyler David Patrick

Work Experience

ConocoPhillips, Midland, TX – August 2024 – Present

Geologist

- Provide geological support within a multi-discipline team to plan and execute appraisal and development of horizontal targets in Lea County, NM.
 - Added 26 location
 - Drilled 8 wells
 - Working with land to increase WI and extend laterals

Grit Oil and Gas II, Houston, TX – October 2022 – February 2024

Geologist

- Planned and executed 2nd San Miguel horizontals in Dimmit & Maverick Co. Texas
 - Utilized StarSteer and Kingdom to plan and execute wells
 - Evaluated geochem data (XRF) to improve well placement in zone
 - Drilled/geosteered 42 horizontal wells ranging between 4 – 11,000' LL
 - 92% in zone
 - Avg. ~350 FPR ROP
 - Drilled 1 Glen Rose SWD
- Evaluated Eagle Ford potential

Maverick Natural Resources, Houston, TX – June 2019 – May 2022

Geologist Lead

- Lead a team focused on identifying and delivering value through inventory generation and prospect evaluations.
 - Increased development inventory from 6 locations to 100+ locations (30% IRR)
 - Supported Operated, Non-operated, Reserves, and Business Development teams
 - Presented budget, reserves, and development material to the Executive team and Board of Directors

Senior Geologist

Business Development

- Work in a multi-disciplined team to evaluate marketed and non-marketed positions throughout the continental United States.
 - 12 deals evaluated
 - 6 bids submitted
 - 2 acquisitions purchased

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D-1
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072

ArkLaTex

- Executed a two rig Cotton Valley development program in Smith County, Texas
 - 5 wells drilled/geosteered in 2019 utilizing StarSteer and Petra software
 - Average IP 12 MMcf/d.
 - 1 Woodbine SWD
 - 15 Mbw/d capacity at minimum

Wyoming

- Work oil and gas properties throughout eastern and southwestern WY.
 - Two new drill locations identified in a water flooded Morrison field.
 - Multiple recompletion opportunities identified on Moxa Arch.
 - Follow off-set operators for play extension into Maverick's acreage.
- Build behind pipe inventory focused on Cretaceous reservoirs.

Sheridan Production Company, Houston, TX – June 2017 – June 2019

Geologist

East Texas Basin

- Evaluate Pettet, Travis Peak, Cotton Valley, and Haynesville formations for new drill and recompletion opportunities.
 - Cotton Valley and Haynesville new drill opportunities are evaluated through off-set production, depletion risk, and liquid yields.
 - Evaluate ~ 40 low producing or shut in wells for behind pipe potential. Determine wellbore integrity, reservoir pressure, and depletion risk with a multi-discipline team.
 - 7 projects funded
 - 5 projects executed
 - Recompletion projects average 70% ROR with 2 MMcf initial production per \$1 MM capital expenditure.

Permian Basin – Central Basin Platform

- Assisted with a 10 well horizontal San Andres drilling program in Ector County, Texas.
 - Worked with a multi-discipline team to identify reservoir sweet spots for horizontal development within a historical vertical field.
 - Created staking request for regulatory permitting
 - Work with directional drilling planners to maximize reservoir exposure and reduce drilling hazards and well porpoising.
 - Interpret real-time data and make recommendations to reduce drilling days

Independent Geologist, Midland, TX – May 2015 – June 2017

Multi-operator geological adviser

Delaware Basin, Texas

- Provided geological support for oil and gas prospects/plays from acquisition and development to divestment.
 - Analyzed 6 marketed deals in the Permian Basin.
 - Worked within a multi-disciplined team to raised \$200MM drilling capital to develop acreage in Reeves County, Texas.
 - Developed a 3 year drilling program to HBP 16,500 gross acres (11,200 net) fulfilling all CDC requirements.
 - Reduce LOE from \$2/Bw to \$0.2/Bw by converting an existing low production well into a Delaware sand SWD in Reeves County, Texas.
 - Improve well failures by identifying and reducing strontium and barium scaling by plugging off Wolfcampian water from lower Lenardian water in Pecos County, Texas.

Trans-Pecos Wells Logging, Midland, TX – January 2015 – May 2015

Mud logger

Permian Basin, New Mexico and Texas

- Familiarized mud loggers with how geologist utilize mud logs while performing all associated field mud logging responsibilities.
 - Consulted mud loggers on how geologist correlate ROP to off-set e-logs and interpret potential drilling hazards.
 - Caught and analyzed cutting for lithology, cut, and fluorescence.
 - Communicated with geologist regarding morning reports, unscheduled operations, and show interpretations.

Apache Corporation, Midland, TX – April 2012 – January 2015

Geologist

- Provide geology support within a multi-discipline team for conventional and unconventional exploration throughout the Permian Basin utilizing:
 - Well logs (legacy and modern)
 - 3D seismic volumes
 - Core and cutting data
 - Off-set production
- Coordinate with service companies regarding timing, questions, logistics, etc. Liaise with G&G Staff real time during well site operations. Monitor and interpret geo-steering efforts and provide real time recommendations to G&G Staff.
- Coordinated and efficiently ran a 6 rig program which averaged 4 rigs in the curve or lateral at a time.

Intercontinental Potash Corporation, Hobbs, NM – May 2010 – April 2012
Project Geologist

- Provide geologic support evaluating and commercializing a polyhalite mine and sulfate of potash processing facility. Duties included:
 - Manage all field activities including permitting, archeological surveys, drill site preparation, geologic interpretations, core point selection, field core processing, lab core processing, and assay sampling.
 - Prepare and update resource extent with grade heights from assay data.
 - Work with state and federal agencies to advance project.
 - Develop short-term exploration and infill plans.
 - Provide resource calculations (measured, indicated, and inferred).
 - Supervise drilling activities.
 - Drilled 12 exploration core holes with 100% success picking core point from real time drilling and cutting analysis.

Education

University of Texas Permian Basin, Odessa Texas

Major: Masters of Science in Geology

Graduated: May 2015

Final paper title: Methods and Basic Interpretations of Drill Cuttings Analysis to Evaluate Unconventional Resource Plays.

Western State College of Colorado, Gunnison Colorado

Major: Bachelors of Art in Geology with a petroleum emphasis

Graduated: December 2009

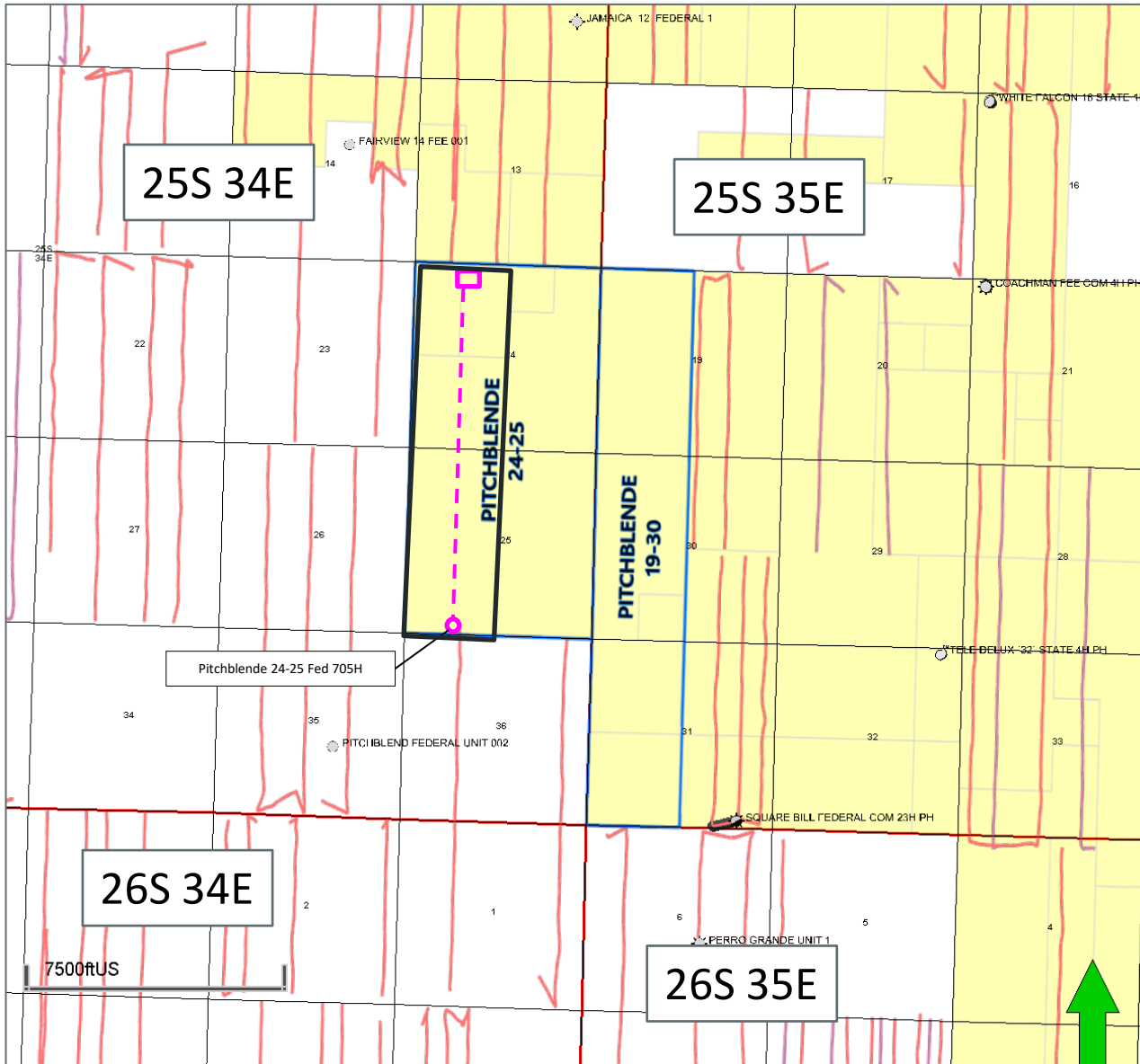
Senior Independent Project/Scholarship: Bartleson-Prather Research Scholarship for "Hydrologic Characterization of the Gunnison alluvial aquifer, Van Tuyl Ranch Gunnison, Colorado

Professional Memberships





West Texas Geological Survey

Houston Geological Survey

Pitchblende Federal (Wolfcamp) 705H

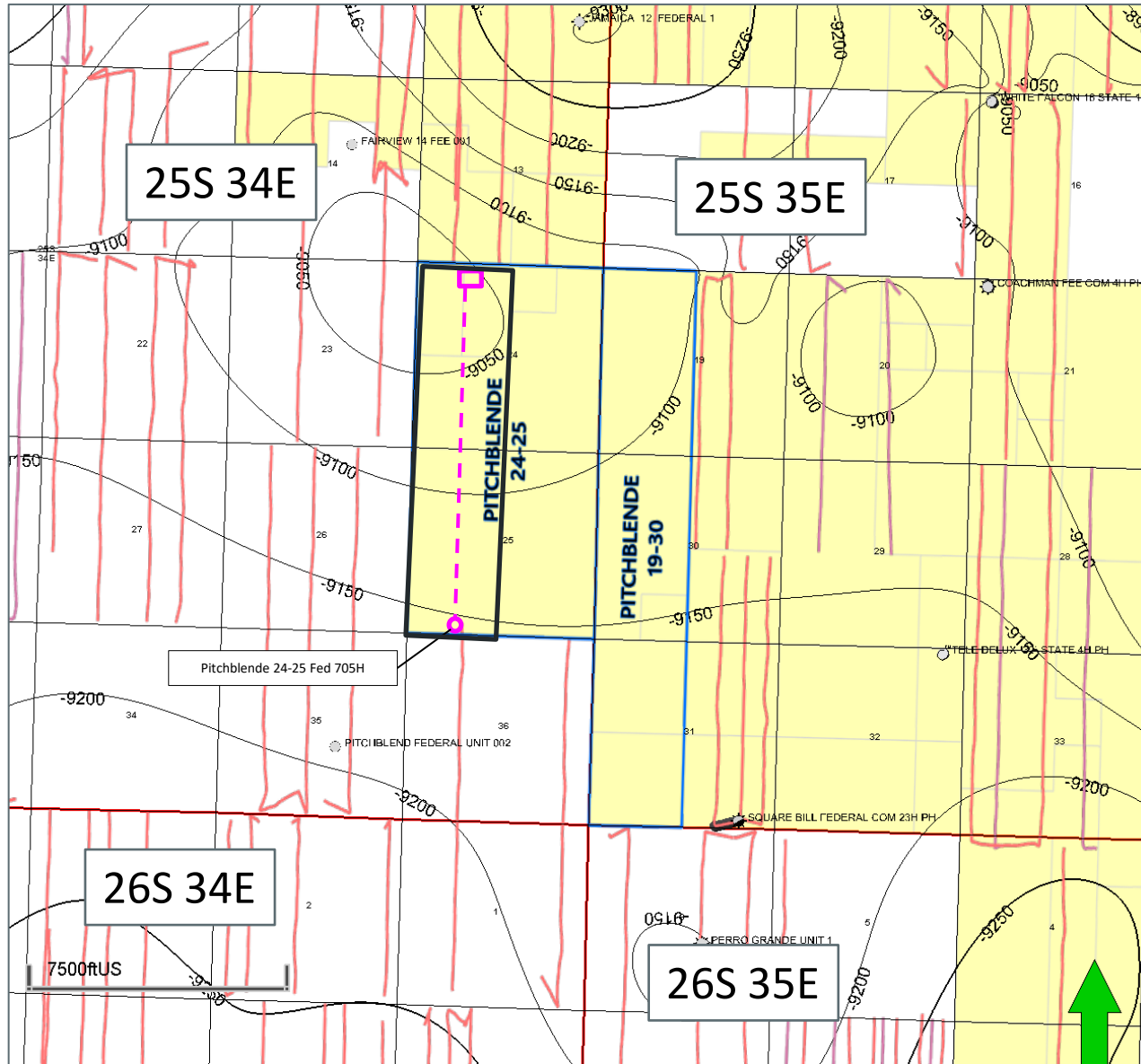


Map Legend

-   COG - Wolfcamp Horizontal Location
-  Producing Wolfcamp Wells
-  COG Acreage

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. D-2
 Submitted by: COG Operating LLC
 Hearing Date: February 13, 2025
 Case No. 25072

Wolfcamp Subsea Structure Map



Map Legend



COG - Wolfcamp Horizontal Location



Producing Wolfcamp Wells



Wolfcamp Structure
CI: 50'



COG Acreage

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

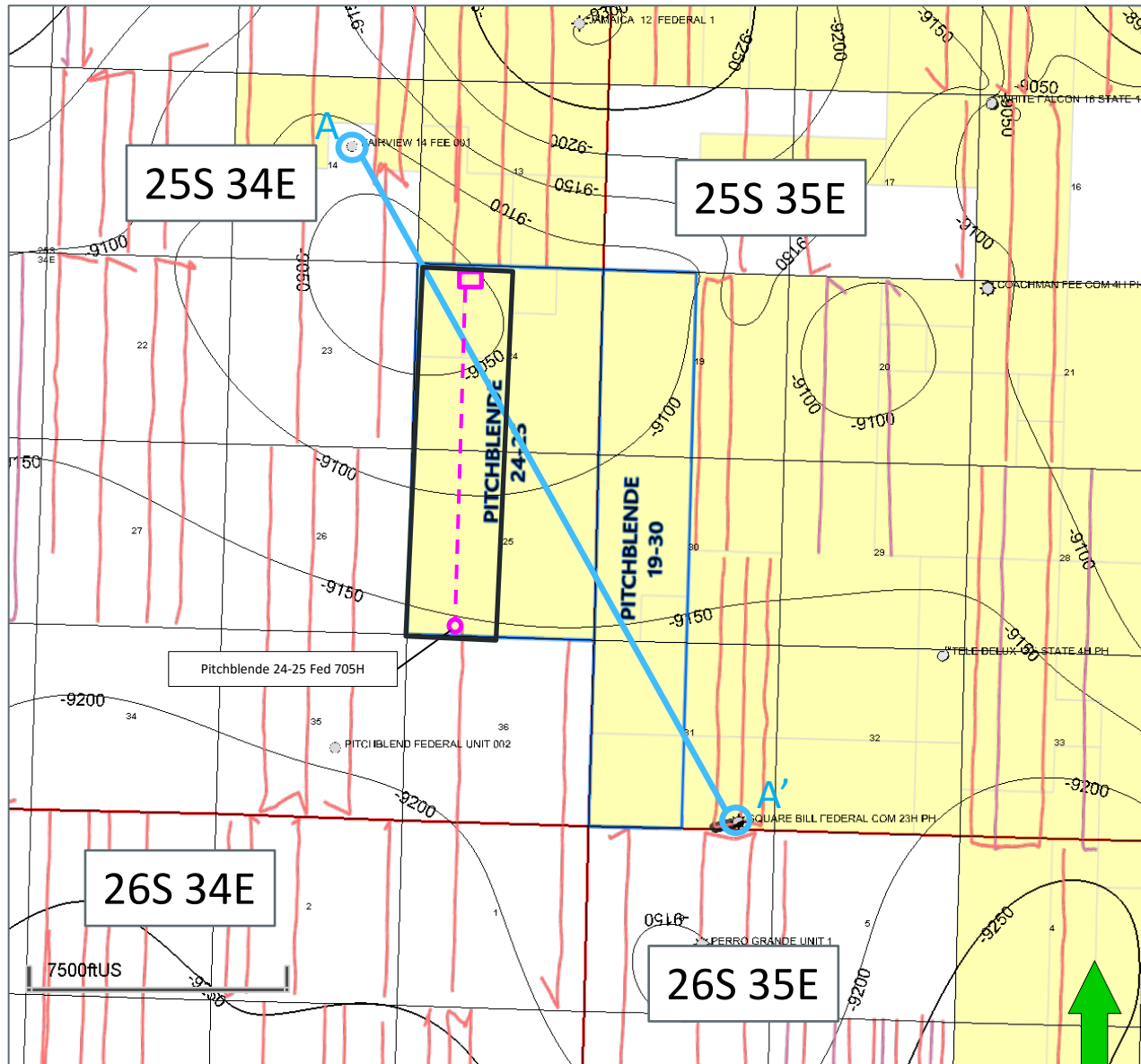
Exhibit No. D-3

Submitted by: **COG Operating LLC**





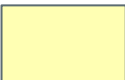

Hearing Date: February 13, 2025

Case No. 25072

Wolfcamp Subsea Structure Map

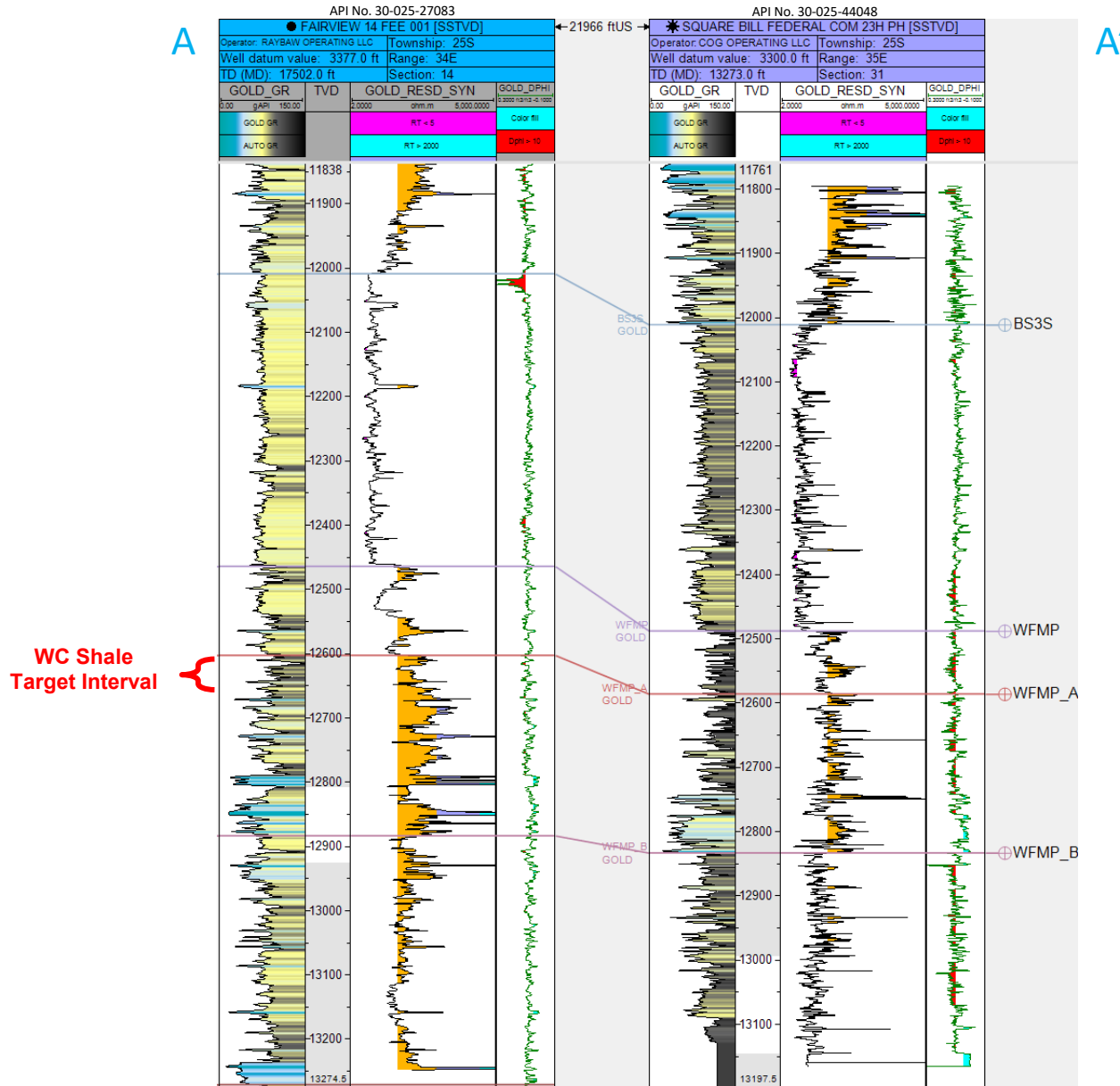


Map Legend

-   COG - Wolfcamp Horizontal Location
-  Producing Wolfcamp Wells
-  Wolfcamp Structure
CI: 50'
-  COG Acreage
-  Cross Section Line

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. D-4
 Submitted by: **COG Operating LLC**
 Hearing Date: February 13, 2025
 Case No. 25072

Pitchblende Federal Section A-A'



BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
Exhibit No. D-5
 Submitted by: **COG Operating LLC**
 Hearing Date: February 13, 2025
 Case No. 25072

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

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

CASE NO. 25072

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

1. I am attorney in fact and authorized representative of COG Operating LLC (“COG”), 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 January 31, 2025.

5. I caused a notice to be published to all parties subject to this compulsory pooling proceeding. An affidavit of publication from the publication’s legal clerk with a copy of the notice 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: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072



Paula M. Vance

2/6/2025

Date



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

December 20, 2024

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

**Re: Application of COG Operating LLC for Compulsory Pooling, Lea County,
New Mexico: Pitchblende 24-25 Federal Com #705H well**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on January 9, 2025, and the status of the hearing can be monitored through the Division’s website at <https://www.emnrd.nm.gov/ocd/>.

The State of New Mexico Oil Conservation Division hearing will be held in a hybrid format with both in-person and virtual participation options. The hearing will be held in the Pecos Hall Hearing Room at the Wendall Chino Building, 1st Floor, 1220 South St. Francis Ave., Santa Fe, New Mexico, starting at 8:15 a.m. Virtual access to the Division’s public hearing is available as follows: <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 Caroline Frederick at (432) 222-4721 or at caroline.frederick@conocophillips.com.

Sincerely,

Paula M. Vance
ATTORNEY FOR COG OPERATING LLC

COG - Pitchblende 606H BS and 705H WC wells - Case nos. 25070 and 25072

Postal Delivery Report

9214 8901 9403 8392 5792 09	OXY Y-1 COMPANY 5 GREENWAY PLAZA SUITE 110 HOUSTON TX 77046	Delivered Signature Received
9214 8901 9403 8392 5770 45	EOG RESOURCES INC PO BOX 2267 MIDLAND TX 79702	Delivered Signature Received

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Andy Brosig, Editor of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
December 19, 2024
and ending with the issue dated
December 19, 2024.



Editor

Sworn and subscribed to before me this
19th day of December 2024.



Business Manager

My commission expires
January 29, 2025
(Seal)
STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2025

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
December 19, 2024

Case No. 25072: Application of COG Operating LLC for Compulsory Pooling, Lea County, New Mexico. Notice to all affected interest owners, including all heirs, devisees and successors of: EOG Resources, Inc.; and OXY Y-1 Company.

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 January 9, 2025, 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 Freya Tschantz, at Freya.Tschantz@emnrd.nm.gov. Applicant in the above-styled cause seeks an order pooling certain non-cost bearing interest owners in the Wolfcamp (oil) formation underlying a standard 640-acre, more or less, horizontal well spacing unit comprised of the W/2 of Sections 24 and 25, Township 25 South, Range 34 East, NMPM, Lea County, New Mexico. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the **Pitchblende 24-25 Federal Com #705H** well, to be horizontally drilled from a surface location in the N/2 NW/2 of Section 24, with a first take point in the NW/4 NW/4 (Unit D) of Section 24 and last take point in the SW/4 SW/4 (Unit M) of Section 25. The completed interval of the well 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 well spacing unit under 19.15.16.15.B(1)(b) NMAC. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of COG Operating LLC as operator of the well, and a 200% charge for risk involved in drilling the well. Said area is located approximately 14 miles west of Jal, New Mexico. #00296975

67100754

00296975

HOLLAND & HART LLC
110 N GUADALUPE ST., STE. 1
SANTA FE, NM 87501

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Exhibit No. F
Submitted by: **COG Operating LLC**
Hearing Date: February 13, 2025
Case No. 25072