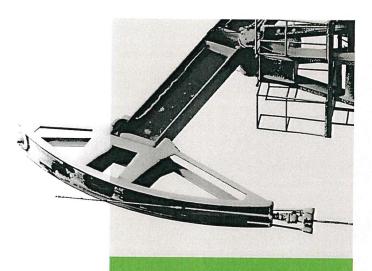


## COG OPERATING LLC Myox 30 State Com 704H

Myox 30 State Com 705H Myox 30 State Com 706H Sections 19-30-31, T25S R28E Eddy County, 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 NO. 22076** 

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#### **COG OPERATING LLC'S EXHIBIT INDEX**

#### **Compulsory Pooling Checklist**

Exhibit A	Self-Affirmed Statement of Lizzy Laufer
A-1	Application & Proposed Notice of Hearing
A-2	C-102(s)
A-3	Plat of Tracts, Tract Ownership, Pooled Party, Unit Recapitulation
A-4	Sample Well Proposal Letter & AFE(s)
A-5	Summary of Communications
A-6	Hearing Notice Letter and Return Receipts
A-7	Affidavit of Publication
Exhibit B	Self-Affirmed Statement of Jessica Pontiff
B-1	Location Map
B-2	Structure Map
B-3	Stratigraphic Cross Section
Exhibit C	Resume of Jessica Pontiff

#### **COMPULSORY POOLING APPLICATION CHECKLIST**

ALL INFORMATION IN THE APPLICA	ATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS
Case No.:	22076
Hearing Date:	8/5/2021
Applicant	COG Operating LLC
Designated Operator & OCRID	OCDID # 200427

Applicant	COG Operating LLC
Designated Operator & OGRID	OGRID # 229137
Applicant's Counsel	Hinkle Shanor LLP
Case Title	Application of COG Operating, LLC for Compulsory Pooling, Eddy
	County, New Mexico
Entries of Appearance/Intervenors	
Mall Family	

Well Family Myox 30
Formation/Pool

Formation Name(s) or Vertical Extent Wolfcamp
Primary Product (Oil or Gas) Oil

Pooling this vertical extent Wolfcamp

Pool Name and Pool Code

Purple Sage; Wolfcamp Gas (98220)

Well Location Setback Rules

Special Rules for Purple Sage: Wolfcamp Gas

Well Location Setback Rules Special Rules for Purple Sage; Wolfcamp Gas Pool (Order No. R-14262).

Spacing Unit Size 963.36 acres

Spacing Unit

Type (Horizontal/Vertical) Horizontal
Size (Acres) 963.36 acres

Building Blocks quarter-quarter
Orientation Standun

Orientation Standup

Description: TRS/County Lots 1-4 and E/2W/2 (W/2 equivalent) of Sections 19, 30 and 31,

Yes

Township 25 South, Range 28 East, Eddy County, New Mexico.

Standard Horizontal Well Spacing Unit (Y/N), If No, describe

Other Situations

Depth Severance: Y/N. If yes, description

Yes; a depth severance exists in the Wolfcamp formation underlying

the Unit. Accordingly, COG seeks to pool all uncommitted interests from the top of the Wolfcamp formation (interpreted as 9,002' TVD as shown on the log of Marbob Energy Corporation-Red Ryder State #1 well (API No. 30-015-35150)) to a measured depth of 10,408' (this

depth being 100' below the base of the deepest depth drilled by the Myox 30 State Com 801H (API No. 30-025-45752)).

Proximity Tracts: If yes, description
Proximity Defining Well: if yes, description
Well(s)

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)

Add wells as needed

Myox State Com 704H (API # pending) SHL – 380' FSL & 1356' FWL (Unit N), Section 18, T25S-R28E

BHL – 50' FSL & 2202' FWL (Unit N), Section 31, T25S-R28E Completion Target: Wolfcamp formation

TVD: Approx. 9210'

Well #1

I hy OCD: 8/3/202

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Well #2	Myox State Com 705H (API # pending)
	SHL – 380' FSL & 1326' FWL (Lot 4), Section 18, T25S-R28E
	BHL – 50' FSL & 1326' FWL (Lot 4), Section 31, T25S-R28E
	Completion Target: Wolfcamp formation
Well #3	TVD: Approx. 9210'
Well #3	Myox State Com 706H (API # pending)
	SHL – 380' FSL & 1296' FWL (Lot 4), Section 18, T25S-R28E
	BHL – 50' FSL & 450' FWL (Lot 4), Section 31, T25S-R28E
	Completion Target: Wolfcamp formation
	TVD: Approx. 9210'
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 \$	Exhibit A-4
Production Supervision/Month \$	Exhibit A-4
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
	EATHORN I
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-6
Proof of Published Notice of Hearing (10 days before	EATHER O
hearing)	Exhibit A-7
Ownership Determination	EXTIIDIL A-7
Land Ownership Schematic of Spacing Unit	F. J. J. J. A. O.
Tract List (including lease numbers & owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	Exhibit A-3
	Exhibit A-3
Ownership Depth Severance Joinder	Exhibit A
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	N/A
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-1
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-4
Well Orientation (with rationale)	Exhibit B
Farget Formation	Exhibit B
HSU Cross Section	Exhibit B-3
Depth Severance Discussion	N/A
orms, Figures and Tables	
C-102	Exhibit A-2
Fracts	The state of the s
	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Vell Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibit B-2
	Exhibit B-2
	Exhibit B-3
Additional Information	

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CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Michael Rodriguez
Signed Name (Attorney or Party Representative):	MDague
Date:	8/3/2021

#### 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 NO. 22076** 

#### SELF-AFFIRMED STATEMENT OF LIZZY LAUFER

- 1. I am a landman at COG Operating LLC ("COG") and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my qualifications as an expert in petroleum land matters were accepted and made a matter of record.
- 2. I am familiar with the land matters involved in the above-referenced case. Copies of COG's application and proposed hearing notice are attached as **Exhibit A-1**.
- 3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit, therefore I do not expect any opposition at hearing.
- 4. COG seeks an order pooling all uncommitted interests from the top of the Wolfcamp formation to a measured depth of 10,408' underlying a 963.36-acre, more or less, standard horizontal spacing unit comprised of Lots 1-4 and E/2W/2 (W/2 equivalent) of Sections 19, 30 and 31, Township 25 South, Range 28 East, Eddy County, New Mexico ("Unit").

1

- 5. The Unit will be dedicated to following wells ("Wells"):
  - Myox 30 State Com 704H well to be horizontally drilled from a surface hole location in the SE/4SW/4 (Unit N) of Section 18 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 31, and

COG OPERATING LLC

- Myox 30 State Com 705H and Myox 30 State Com 706H wells to be horizontally drilled from a surface hole location in the SW4/SW4 (Lot 4) of Section 18 to a bottom hole location in the SW/4SW/4 (Lot 4) of Section 31.
- 6. The Wells are located in the Purple Sage; Wolfcamp Gas Pool (98220).
- 7. With respect to well setback requirements, the completed intervals for the Wells will comply with the Special Rules for the Purple Sage; Wolfcamp Gas Pool identified in Order No. R-14262.
  - 8. The completed interval of the Wells will be orthodox.
- 9. A depth severance exists in the Wolfcamp formation underlying the Unit. Accordingly, COG seeks to pool all uncommitted interests from the top of the Wolfcamp formation (interpreted as 9,002' TVD as shown on the log of Marbob Energy Corporation-Red Ryder State #1 well (API No. 30-015-35150)) to a measured depth of 10,408' (this depth being 100' below the base of the deepest depth drilled by the Myox 30 State Com 801H (API No. 30-025-45752)):
  - 10. Exhibit A-2 contains C-102s for the Wells.
- 11. **Exhibit A-3** contains a plat identifying ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests COG seeks to pool.
- 12. **Exhibit A-4** contains a sample well proposal letter and AFEs sent to working interest owners for the Wells. The estimated costs reflected on the AFEs are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.
- 13. COG has conducted a diligent search of all public records in Eddy County including phone directories and computer databases.

14. All interest owners COG seeks to pool are locatable.

In my opinion, COG made a good-faith effort to reach voluntary joinder of 15. uncommitted interests in the Wells as indicated by the chronology of contact described in Exhibit A-5.

16. COG requests overhead and administrative rates of \$7,000 per month while the

Wells are being drilled and \$700 per month while the Wells are producing. These rates are fair and

are comparable to the rates charged by COG and other operators in the vicinity.

Notice of this application and the Division hearing was timely provided to the 17.

uncommitted interests by certified mail more than 20 days prior to the hearing date. A sample of

the notice letters and associated green cards are attached as Exhibit A-6.

18. Notice of this application and the Division hearing was published more than ten

business days prior to the hearing date. The affidavit of publication is attached as Exhibit A-7.

19. The exhibits attached hereto were either prepared by me or under my supervision

or were compiled from company business records.

In my opinion, the granting of COG's application would serve the interests of 20.

conservation, the protection of correlative rights, and the prevention of waste.

21. I understand this Self-Affirmed Statement will be used as written testimony in this

case. I affirm that my testimony in paragraphs 1 through 20 above is true and correct and is made

under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of

the date handwritten next to my signature below.

E. Lawfer

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

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

CASE	NO.	

#### **APPLICATION**

Pursuant to NMSA § 70-2-17, COG Operating LLC ("Applicant") applies for an order pooling all uncommitted interests from the top of the Wolfcamp formation to 10,408' (being 100' below the base of the deepest depth drilled by the Myox 30 State Com 801H (API No. 30-025-45752), top of the Wolfcamp formation being interpreted as 9,002' TVD as shown on the log of Marbob Energy Corporation-Red Ryder State #1 well (API No. 30-015-35150), Section 25, T25S-R27E, Eddy County, New Mexico) underlying a 963.36-acre, more or less, standard horizontal spacing unit comprised of Lots 1-4 and E/2W/2 (W/2 equivalent) of Sections 19, 30 and 31, Township 25 South, Range 28 East, Eddy County, New Mexico ("Unit"). In support of its application, Applicant states:

- 1. Applicant (OGRID No. 229137) is a working interest owner in the Unit and has the right to drill wells thereon.
  - 2. The Unit will be dedicated to the following proposed initial wells:
    - Myox 30 State Com 704H wells to be horizontally drilled from a surface hole location in the SE/4SW/4 (Unit N) of Section 18 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 31, and
    - Myox 30 State Com 705H and Myox 30 State Com 706H well to be horizontally drilled from a surface hole location in the SW4/SW4 (Lot 4) of Section 18 to a

COG OPERATING LLC
Case No. 22076

Exhibit A-1

bottom hole location in the SW/4SW/4 (Lot 4) of Section 31 (collectively the "Wells").

- 3. The completed intervals of the Wells will be unorthodox.
- 4. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Wells but has been unable to obtain voluntary agreements from all of the interest owners.
- 5. The pooling of uncommitted mineral interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 6. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the Unit should be pooled and Applicant should be designated the operator of the Wells and Unit.

WHEREFORE, Applicant requests this application be set for hearing on August 5, 2021, and that after notice and hearing the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Wells in the Unit;
- C. Designating Applicant as operator of the Unit and the 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 while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy Michael Rodriguez P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554

Facsimile: (505) 982-8623 dhardy@hinklelawfirm.com mrodriguez@hinklelawfirm.com

ATTORNEYS FOR COG OPERATING LLC

Application of COG Operating, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant applies for an order pooling all uncommitted interests from the top of the Wolfcamp formation to 10,408' (being 100' below the base of the deepest depth drilled by the Myox 30 State Com 801H (API No. 30-025-45752), top of the Wolfcamp formation being interpreted as 9,002' TVD as shown on the log of Marbob Energy Corporation-Red Ryder State #1 well (API No. 30-015-35150), Section 25, T25S-R27E, Eddy County, New Mexico) underlying a 963.36-acre, more or less, standard horizontal spacing unit comprised of Lots 1-4 and E/2W/2 (W/2 equivalent) of Sections 19, 30 and 31, Township 25 South, Range 28 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the following proposed initial wells:

• Myox 30 State Com 704H wells to be horizontally drilled from a surface hole location in

- Myox 30 State Com 704H wells to be horizontally drilled from a surface hole location in the SE/4SW/4 (Unit N) of Section 18 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 31, and
- Myox 30 State Com 705H and Myox 30 State Com 706H well to be horizontally drilled from a surface hole location in the SW4/SW4 (Lot 4) of Section 18 to a bottom hole location in the SW/4SW/4 (Lot 4) of Section 31 (collectively the "Wells").

The completed intervals of the Wells will be unorthodox. Also to be considered will be the costs of drilling and completing the wells and the allocation of the costs, the designation of COG Operating, LLC as the operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The well is located approximately 8 miles southwest of Malaga, New Mexico.

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 <u>District IV</u>

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

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

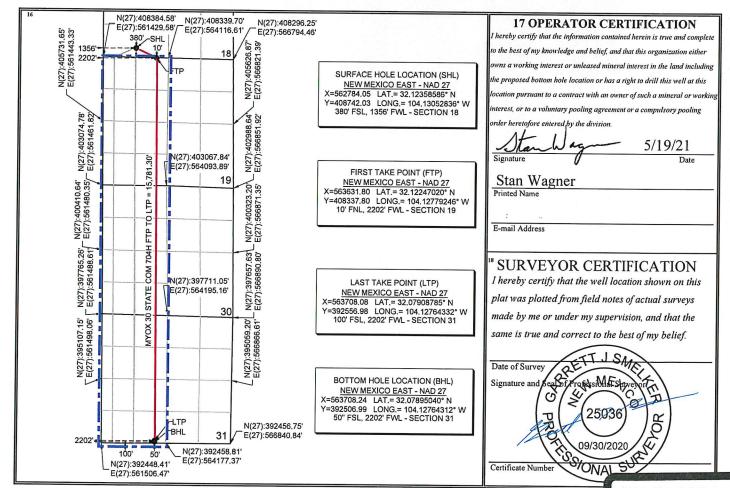
30-015-47093	2 Pool Code 98220	Purple Sage; Wolfcamp (Gas)		
4 Property Code 40178		OPERTY Name OPERTY STATE COM	6 Well Number 704H	
7 OGRID No. 229137		erator Name ERATING LLC	9 Elevation 3045'	

<sup>10</sup> Surface Location

N	18	25-S	28-E	Lot Idn	380'	SOUTH	Feet from the 1356'	East/West line WEST	County EDDY
			" Во	ttom Ho	le Location I	f Different Fro	m Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Fact/West line	Country

UL or lot no. N	Section 31	Township 25-S	P Range 28-E	Lot Idn	Feet from the 50'	North/South line SOUTH	Feet from the 2202'	East/West line WEST	County EDDY
12 Dedicated Acres 963.36	13 Joint o	or Infill 1	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.



COG OPERATING LLC

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Case No. 22076

Exhibit A-2

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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#### 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

X AMENDED REPORT

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WELL LOCATION AND ACREAGE DEDICATION DEAT

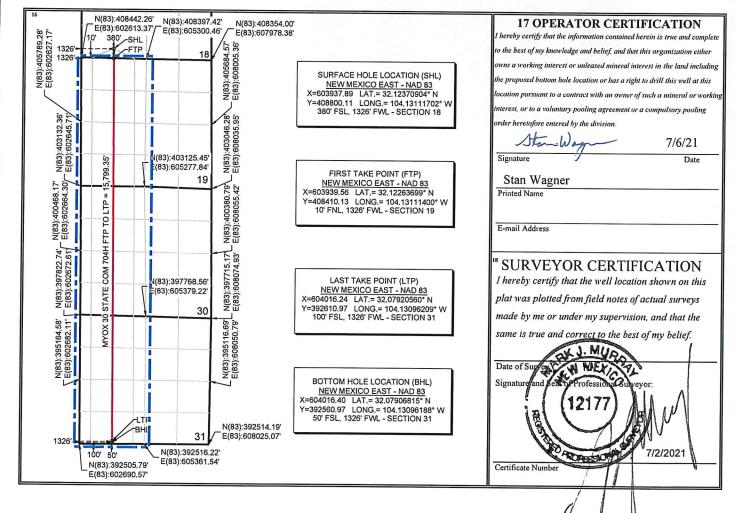
1 API Number 30-015-47094	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)		
4 Property Code 40178	5 Property N MYOX 30 STA	o ii on i i dani		
7 OGRID No. 229137	8 Operator N COG OPERATI			

10 Surface Location

L 4	18	25-S	28-E	Lot Idn	380'	North/South line SOUTH	Feet from the 1326'	East/West line WEST	County EDDY					
"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					
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L 4	31	25-S	28-E	Lot Iun	50'	SOUTH	1326'	WEST	EDDY
12 Dedicated Acres 963.36	13 Joint o	or Infill 14	Consolidation	Code 15 O	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.



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<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S. First St., Artesia, NM 88210
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### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

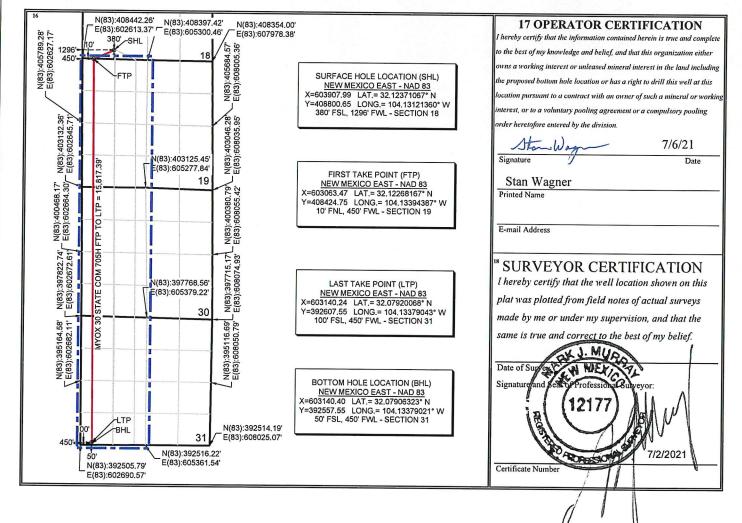
X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-47095	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code 40178	5 Property N MYOX 30 STA	o ii chi i tambei
7 OGRID No. 229137	8 Operator N COG OPERATI	

<sup>10</sup> Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County L 4 18 25-S 28-E 380 SOUTH 1296' WEST **EDDY** <sup>11</sup> Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County L 4 25-S 28-E 50' SOUTH 450' WEST **EDDY** 12 Dedicated Acres 14 Consolidation Code 13 Joint or Infill 15 Order No. 963.36

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.



TRACT 5 VB-0806-02 320.64	TRACT 4 VB-0836-01 160.68 AC	TRACT 3 FEE 160.76 AC	TRACT 2 FEE 160.72 AC	TRACT 1 VB-0812-01 160.56 AC
1 9		7 (9		
SEC 31, T25S-R28E		SEC 30, T25S-R28E		SEC 19, T25S-R28E

W2 MYO	X 30 SPAC	ING UNIT
SEC 31, T25S-R28E	SEC 30, T255-R28E	SEC 19, T255-R28E

PARTIES TO POOL	INTEREST TYPE
OXY Y-1 COMPANY	
5 Greenway Plaza, Suite 110	
Houston, TX 77046	¥
Well proposal sent	YES
Communitization Agreement sent	YES
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TRACT 2	TRACT 3			UNIT RECAP
			Construction of the last	01411
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1279%	0 710455%	0.7101018%	0 00000000	1
			0.00000000	1070707070
15/16/16/16		15.7774019 0.1995719 0.7104559	15.777401% 0.199571% 0.710455%	15.777401% 15.7695496% 33.1060594% 0.199571% 0.1994716% 0.1774484% 0.710455% 0.7101018% 0.00000000000000000000000000000000000

COG OPERATING LLC

Case No. 22076

Exhibit A-3



July 27, 2021

Via electronic mail to Courtney\_carr@oxy.com **OXY Y-1 Company** 5 Greenway Plaza, Suite 110 Houston, TX 77046 Attn: Courtney Carr

Re:

MYOX 30 STATE COM 704H-706H W/2 Secs. 19, 30 & 31, T25S-R28E Eddy County, New Mexico

#### Dear Courtney:

Reference is herein made to well proposals mailed on May 18, 2021, covering the W/2 Myox 30 State Com unit, wherein COG Operating, LLC ("COG") previously proposed the drilling of the Myox 30 State Com 704H, 705H, and 706H wells. Due to an irregular shape of Sections 18 and and 31, the Surface Hole and Bottom Hole Locations for the 705H well were modified slightly to the appropriate Lot number. All revisions are highlighted below; all other content remains the same as previously proposed.

- Myox 30 State Com 704H, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9,210'. The surface location for this well is proposed at a legal location in Unit N of Section 18, and a bottom hole location at a legal location in Unit N of Section 31. The dedicated horizontal spacing unit will be Lots 1-4 and E/2 W/2 (W/2) of Sections 19, 30 & 31, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$10,340,000.00, as shown on the attached Authority for Expenditure ("AFE").
- Myox 30 State Com 705H, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9,210'. The surface location for this well is proposed at a legal location in Lot 4 of Section 18, and a bottom hole location at a legal location in Lot 4 of Section 31. The dedicated horizontal spacing unit will be Lots 1-4 and E/2 W/2 (W/2) of Sections 19, 30 & 31, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$10,340,000.00, as shown on the attached AFE.
- Myox 30 State Com 706H, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9,210'. The surface location for this well is proposed at a legal location in Lot 4 (SWSW) of Section 18, and a bottom hole location at a legal location in Lot 4 (SWSW) of Section 31. The dedicated horizontal spacing unit will be Lots 1-4 and E/2 W/2 (W/2) of Sections 19, 30 & 31, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$10,340,000.00, as shown on the attached AFE.

Please allow this correspondence to serve as an informational letter regarding the corrections outlined above. Should you have any questions, please contact me at Lizzy.Laufer@conocophillips.com or 432.221.0470.

Sincerely,

**COG Operating LLC** 

Lizzy Laufer Landman II

LL:bh Enc

COG OPERATING LLC Case No. 22076

ig: 8/3/2021 3:12:27 PM

Exhibit A-4

#### COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

Well Name MYOX 30 ST COM 704H

SHL 255-28E, SEC. 18: 380' FSL, 1356' FWL, OR UNIT N

BHL 255-28E, SEC. 31: 50' FSL, 2202' FWL, OR UNIT N

Formation WOLFCAMP

Legal W2 SECS. 19, 30, 31, 255-28E

AFE Numbers

Prospect ATLAS 2528
State & County NEW MEXICO, EDDY
Objective DRILL & COMPLETE
Depth 25,050'
TVD 9,210'

cost Description ntangible Costs	Code	r respud (PS	Pre-Set Casing(PC)	TISM CHICAGO	Drilling (DF	()  C	ompletions (C	)  fank Btt	y Constrctn(Ti	3)  Pm	pq Equip (PEC	2)	Revisi	on	
-Lctn/Pits/Roads	205	THE PARTY OF THE P	STATE OF THE PROPERTY OF THE P	S	109,000.00	T		STATE OF STA			ACTIVITY OF STREET			MARK	STOREST NO.
-Drilling Overhead	206			5	9,000.00				1001	K CONTRACT		\$	Tollow Street	\$	
-Daywork Contract	209									3 2 5 2 5 5	500	\$			
-Directional Drig Services	210			\$	594,000.00					The same of	3 1 2 2 1/2	\$	MOVE TO SE	5	594,
				\$	317,000.00				THE ST.	1	-W 1971	\$	STATE OF VIEW	5	317,
Fuel & Power	211			\$	102,000.00						ALL DE	\$	ATT 10 A.C.	5	
Water	212			\$	86,000.00		100		THE PERSON NAMED IN	7 700		S		\$	
Bits	213			\$	109,000.00					1 - 100	4 4 40 2	\$	the parts.	s	
Mud & Chemicals	214			\$	223,000.00		1 1 1 1 1 1 1 1 1 1 1		DVRU 21.95			\$			
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Cement Intermed	218									State of the state of the		\$	The state of the s	\$	22,
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Float Equipment & Centralizers	221			5	69,000.00							\$		s	
Csg Crews & Equip	222			\$	75,000.00				Car I I Michia	_		5	-		
Contract Labor	225			\$	8,000.00			_		_				\$	
Company Sprvsn	226							_				\$		\$	
				\$	50,000.00							\$	-	\$	50,
Contract Sprvsn	227			\$	124,000.00							\$		S	124,
Tstg Csg/Tbg	228			\$	46,000.00							S	100	s	46,
Mud Logging Unit	229			S	46,000.00	-						\$		S	
Rentals-Surface	235			\$	193,000.00								-		40,0
Rentals-Subsrfc	236							_				\$		\$	193,0
				\$	90,000.00							\$	1 15 2 4	\$	90,0
Trucking/Forklift/Rig Mob	237			\$	184,000.00	_						\$		\$	184,0
Welding Services	238			\$	4,000.00							\$	-	\$	4,0
Contingency	243			\$	69,000.00							S		5	
invrnmtl/Clsd Loop	244			s	303,000.00					+					69,0
Vellbore Frac Prep	304			*	303,000.00		440 000 00					\$	-	\$	303,0
						\$	146,000.00					\$		\$	146,0
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rac Equipment	307					5	995,000.00	7							23,0
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erf/Wireline Svc	331			_		\$	489,000.00							\$	69,0
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Damages/Right of Way	351					9	434,000.00	-				\$	•	\$	454,0
Location/Pits/Roads	353							\$	2,000.00		11.7	\$	-	\$	2,0
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-Contract Labor	374								,	S	24,000.00	\$			
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	510							\$	58,000.00			\$	-	\$	58.00
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ву:	Date Prepared: 5.18.21
We approve:	COG Operating LLC
% Working Interest	Ву:
Company:	
Ву:	
Printed Name:	
Title:	This AFE is only an estimate. By signing you agree to pay
Date:	your share of the actual costs incurred.

#### COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

Well Name MYOX 30 ST COM 705H
SHL 255-28E, SEC. 18: 380' FSL, 1326' FWL, Lot 4
BHL 255-28E, SEC. 31: 50' FSL, 1326' FWL, Lot 4
Formation WOLFCAMP
Legal W2 SECS. 19, 30, 31, 255-28E
AFE Numbers

Prospect ATLAS 2528
State & County NEW MEXICO, EDDY
Objective DRILL & COMPLETE
Depth 25,050'
TVD 9,210'

cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (Di	R) C	completions (C	Tank Btty Constrctn(	TB)	Pmpq Equip (PEC	2)	Revisio	n	
-Lctn/Pits/Roads	205			\$ 109,000.0	o I			USES:		Is		Is	109,00
-Drilling Overhead	206			\$ 9,000.0						5		_	
-Daywork Contract	209			\$ 594,000.00			A STATE OF THE RESERVE			5	V 15 1 1/1 / 1/1 / 1 / 1	\$	
-Directional Drlg Services	210			\$ 317,000.00				$\dashv$		5	•	\$	594,00
-Fuel & Power	211			\$ 102,000.00				$\dashv$		_		\$	317,00
-Water	212			\$ 86,000.00		_		$\dashv$		\$		\$	102,00
-Bits	213			\$ 109,000.00				-		\$		\$	86,00
-Mud & Chemicals	214			\$ 223,000.00				$\dashv$		\$		\$	109,00
-Cement Surface	217			\$ 22,000.00			Control of the Astronomy	-		\$		\$	223,00
-Cement Intermed	218			\$ 86,000.00			A STATE OF THE STATE OF	-		\$		\$	22,00
-Prod-2nd Int Cmt	219						THE REAL PROPERTY.	_	Commence And Page 19	\$	1. CAN	\$	86,00
-Float Equipment & Centralizers	221			\$ 126,000.00		1000		_		\$	-	\$	126,00
-Csg Crews & Equip	222			\$ 69,000.00				_		5	V	\$	69,00
				\$ 75,000.00						\$	-	\$	75,00
-Contract Labor	225			\$ 8,000.00						\$		\$	8,00
-Company Sprvsn	226			\$ 50,000.00				$\perp$		\$		\$	50,00
-Contract Sprvsn	227			\$ 124,000.00			- " CT/ 38-T			\$	-	\$	124,00
-Tstg Csg/Tbg	228			\$ 46,000.00						\$		\$	46,00
-Mud Logging Unit	229									\$		5	46,00
-Rentals-Surface	235							Т		\$		5	193,00
-Rentals-Subsrfc	236							1		\$		s	90,00
-Trucking/Forklift/Rig Mob	237			\$ 184,000.00				$\dashv$		\$		5	184,00
-Welding Services	238			\$ 4,000.00				1		\$		\$	4,00
Contingency	243			69,000.00				1		\$		5	
Envrnmtl/Clsd Loop	244			303,000.00				$\dashv$		\$			69,00
Wellbore Frac Prep	304				s	146,000.00		+		\$	-	\$	303,00
Lctn/Pits/Roads	305				s	16 000 00		+			•	\$	146,00
Completion OH	306				\$	23,000.00		+		\$	•	\$	16,00
Frac Equipment	307				5	995,000.00		+		\$	-	\$	23,00
Frac Chemicals	308				5	631,000.00		+	-	\$	-	5	995,00
Frac Proppant	309				5			+		\$		\$	631,00
Frac Proppant Transportation	310			_		286,000.00		+	State of the state of	\$		\$	286,000
Fuel Delivery & Services	311				\$	445,000.00	M. Kingles and Spring	4		\$	1	\$	445,000
Water	312				\$	64,000.00	Mindy's worky	-	times with several cities	\$	L. D. C. C. C.	\$	64,000
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Contract Sprvsn	327				\$	212,000.00	Filippe Control		Antonio de l'Argent	5	La company	\$	212,000
Artificial Lift Install	329				5	69,000.00	Addison of the state	T	Zan L	\$	The state of the s	5	69,000
Perf/Wireline Svc	331				\$	489,000.00	Instancia de Charles	Т	Months and The Vi	\$		5	489,000
Trucking/Forklift/Rig Mob	337				5	16,000.00		$\neg$	LIGHT LINE THE RESERVE	\$		s	16,000
Water Disposal	339		-		\$	61,000.00	Record Town Street	$\neg$		\$		S	61,000
Contingency	343				\$	114,000.00	THE STATE OF THE STATE OF		DELINE ALL MARKET	S		5	114,000
Dyed Diesel	345			1.0	5	238,000.00	E PE LOUI	$\top$		s		s	238,000
Drillout	346				\$	454,000.00				5	2011 THE 18TH	\$	454,000
-Damages/Right of Way	351					7.74	\$ 2,000.0	0		5		s	2.000
-Location/Pits/Roads	353						\$ 34,000.0			S	-	\$	34,000
-Contract Labor	356						\$ 180,000.00		0090 to 1000 to 1	S		S	180,000
Q-Contract Labor	374				-		100,000.0		\$ 24,000.00			\$	
Q-Water Disposal	387				_			_					24,000
Q-HRZ Well Offset Frac	391				_		to the same of the same					\$	112,000
tal Intangible Costs		\$ 15000000000000000000000000000000000000	\$	3,044,000.00		£ 400 000 00					•	\$	12,000
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Production Casing/Liner			S		_			1		\$		\$	191,000
Vellhead Equip	403		5		_			1		\$	-	\$	472,000
			\$	86,000.00	_			1		\$		\$	86,000
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Vellhead Equip	505				\$	43,000.00		T		\$		\$	43,000
Tanks	510						\$ 58,000.00			\$		\$	58,000
Flowlines/Pipelines	511						\$ 26,000.00	T		\$		\$	26,000
Htr Trtr/Seprtr	512						\$ 185,000.00			\$		\$	185.000
Electrical System/Equipment	513						\$ 114,000.00			\$		\$	114,000
ckrs/Anchors/Hgrs	514				\$	99,000.00		$\top$		\$		S	99,000
Couplings/Fittings/Valves	515						\$ 192,000.00			\$	-	\$	192,000
Pumps-Surface	521						\$ 26,000.00	_		\$			
Instrumentation/SCADA/POC	522				-		\$ 20,000.00					\$	26,000
Miscellaneous	523				_		\$ 20,000.00			\$	-	\$	20,000
Meters/Lacts	525				_					\$	-	\$	20,000
Flares/Combusters/Emission	526				_		\$ 26,000.00			\$		\$	26,000
as Lift/Compression	526				_		\$ 31,000.00	4		\$		\$	31,000
					\$	38,000.00		+		\$		\$	38,000
l-Wellhead Equipment	531	And the last of th	•		_			\$	24,000.00	\$	-	\$	24,000
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				3,818,000.00							1 1 1 1 1 1 1 1 1 1		
al Gross Cost	SERVICE I	THE PERSON NAMED IN	5				\$ 914,000.00						

COG Operating LLC	
Ву:	Date Prepared: 5.18.21
We approve:	COG Operating LLC
% Working Interest	Ву:
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 MYOX 30 ST COM 706H
SHL 255-28E, SEC. 18: 380' FSL, 1296' FWL, OR LOT 4 (SWSW)
BHL 255-28E, SEC. 31: 50' FSL, 450' FWL, OR LOT 4 (SWSW)
Formation WOLFCAMP
Legal W2 SECS. 19, 30, 31, 255-28E
AFE Numbers

Prospect ATLAS 2528
State & County NEW MEXICO, EDDY
Objective DRILL & COMPLETE
Depth 25,050'
TVD 9,210'

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C-Gas Lift/Compression	526			_		_		\$	31,000.00		\$		\$	31,000.00
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COG Operating LLC														

COG Operating LLC	
Ву:	Date Prepared: 5.18.21
We approve:	COG Operating LLC
% Working Interest	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.

#### W2 Myox 30 State Com - CHRONOLOGY EFFORTS

**5/20/2021**- Sent Myox 30 State Com 704H, 705H and 706H well proposals and proposed JOA from to Oxy.

**5/20/2021 – 6/15/21** – negotiated JOA terms with OXY and sent replacement JOA pages with OXY requested revisions incorporated.

6/24/21, 7/7/21, 7/15/21 & 7/26/21 – email correspondence with OXY in regard to JOA execution. OXY and COG finalized JOA terms on 6/15/21.

**7/27/21** – Informational letter to OXY revising SHL/BHL for Myox 30 State Com 705H due to Section 18 and 31 being irregular shaped.

COG OPERATING LLC

Case No. 22076

Exhibit A-5



#### HINKLE SHANOR LLP

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

WRITER:

Dana S. Hardy, Partner dhardy@hinklelawfirm.com

July 8, 2021

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

#### TO ALL INTERESTED PARTIES SUBJECT TO NOTICE

Re: Case No. 22076 - Application of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that COG Operating LLC filed the enclosed application with the New Mexico Oil Conservation Division. The hearing will be conducted on **August 5, 2021** beginning at 8:15 a.m.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <a href="http://www.emnrd.state.nm.us/OCD/announcements.html">http://www.emnrd.state.nm.us/OCD/announcements.html</a>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date. The statement must be filed at the Division's Santa Fe office or electronically submitted to ocd.hearings@state.nm.us and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Please do not hesitate to contact me if you have any questions about this matter.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

PO BOX 1720 ARTESIA, NEW MEXICO 88211 575-622-6510 (FAX) 575-746-6316

PO BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623 COG OPERATING LLC

Case No. 22076

Exhibit A-6

7601 JEFFERSON ST NE • SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321

4700	CERTIFIED MAIL® RECEIPT  Domestic Mail Only					
	For delivery information, visit our views at www.usps.com®.					
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2000	Certified Mail Fee  \$ Extra Services & Fees (check box, add fee as appropriate)  Return Receipt (hardcopy)  Return Receipt (electronic)  Certified Mail Restricted Delivery  Adult Signature Required					
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	City, State,					
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions					

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY			
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> <li>Article Addressed to:</li> </ul>	A. Signature  A. Signature  Agent  Addressee  B. Received by (Printed Name)  C. Date of Delivery  D. Is delivery address different from item 1?   Yes  If YES, enter delivery address below:			
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9590 9402 5751 0003 3965 06  2. Article Number (Transfer from service label) 7020 2450 0002 1363 4700	3. Service Type  □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail® Restricted Delivery □ Cotlect on Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Insured Mail □ Insured Mail Restricted Delivery □ Collect Mail Restricted Delivery □ Restricted Delivery □ Registered Mail™ □ Registered Mail Restricted □ Registered Mail™ □ Registered Mail Restricted □ Registered Mail™ □ Registered Mail Restricted □ Restricted Mail Restricted □ Restricted Mail Restricted □ Return Receipt for Merchandise □ Signature Confirmation □ Restricted Delivery □ Return Receipt for Merchandise □ Return Receipt for Me			
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For delivery information, visit our website at www.usps.com®.
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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> <li>1. Article Addressed to:</li> <li>OXY Y-1 Company</li> <li>5 Greenway Plaza, Suite 110</li> <li>Houston, TX 77046</li> </ul>	A. Signature  X  B. Received by (Printed Name)  CAM  D. Is delivery address different from If YES, enter delivery address	G Date of Delivery
9590 9402 5751 0003 3964 90  2. Article Number (Transfer from service label)  7020 2450 0002 1363 4717	3. Service Type  Adult Signature Adult Signature Restricted Delivery Certified Mail® Corlified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail Insured Mail Restricted Delivery	☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricte Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

#### Carlsbad Current Argus.

#### Affidavit of Publication Ad # 0004821920 This is not an invoice

HINKLE SHANOR LLP 218 MONTEZUMA

SANTA FE, NM 87501

I, a legal clerk of the Carlsbad Current Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

07/15/2021

linda tutt Legal Clerk

Subscribed and sworn before me this July 15, 2021:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

KATHLEEN ALLEN Notary Public State of Wisconsin

Ad # 0004821920 PO #: Case No. 22076 # of Affidavits1

This is not an invoice

COG OPERATING LLC

Released to Imaging: 8/3/2021 3:12:27 PM

Case No. 22076

Exhibit A-7

This is to notify all interested parties, including: Chevron U.S.A. Inc.; OXY Y-1 Company; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a paging on a paging tion. hearing on an application submitted by COG Operating LLC (Case No. 22076). During the COVID-19 Public Health Emergency, state building and hearings will be submitted by the coving the coving the coving will be submitted. buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on August 5, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: http://www. posted on the docket for the hearing date: http://www.emnrd.state.nm.us/OCD/hearings.html. Applicant applies for an order pooling all uncommitted interests from the top of the Wolfcamp formation to 10,408' (being 100' below the base of the deepest depth drilled by the Myox 30 State Com 801H (API No. 30-025-45752), top of the Wolfcamp formation being interpreted as 9,002' TVD as shown on the log of Marbob Energy Corporation-Red Ryder State shown on the log of Marbob Energy Corporation-Red Ryder State #1 well (API No. 30-015-35150), Section 25, T255-R27E, Eddy County, New Mexico) underlying a 963.36-acre, more or less, standard horizontal spacing unit comprised of Lots 1-4 and E/2W/2 (W/2 equivalent) of Sections 19, 30 and 31, Township 25 South, Range 28 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the following proposed initial wells: wells: • Myox 30 State Com 704H wells to be horizontally drilled from a surface hole location in the SE/4SW/4 (Unit N) of Section 18 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 31, and

• Myox 30 State Com 705H and Myox 30 State Com 706H well to be horizontally drilled from a surface hole location in the SW4/SW4 (Lot 4) of Section 18 to a bottom hole location in the SW/4SW/4 (Lot 4) of Section 31 (collectively the "Wells"). The completed intervals of the Wells will be unorthodox. Also to be considered will be the costs of drilling and completing the wells and the allocation of the COG Operating, LLC as the operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The well is located approximately miles southwest of Malaga, New Mexico.

#4821920, Current Argus, July 15, 2021

#### 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 NO. 22076** 

#### SELF-AFFIRMED STATEMENT OF JESSICA PONTIFF

- 1. I am a geologist at COG Operating LLC ("COG") and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have a Master of Science in geology and fourteen years of experience as a geologist in the Petroleum Industry working the Permian Basin, the last seven of which have been with COG. My experience has been focused on well planning, development, operations and resource evaluation for horizontal drilling programs in the Midland and Delaware Basins.
  - 2. I am familiar with the geological matters that pertain to the above-referenced case.
- 3. Exhibit B-1 is a location map for the proposed horizontal spacing unit ("Unit") within the Wolfcamp formation. The approximate wellbore paths for the proposed Myox 30 State Com 704H, 705H and 706H wells ("Wells") are represented by red dashed lines. Existing producing wells in the targeted interval are represented by solid light purple lines.
- 4. **Exhibit B-2** is a subsea structure map for the top of the Wolfcamp formation that is representative of the targeted interval within the formation. The data points are indicated by red crosses. The approximate wellbore paths for the Wells are depicted by red dashed lines. The map demonstrates the formation is gently dipping to the west in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

- 5. Exhibit B-2 also identifies three wells penetrating the targeted interval used to construct a stratigraphic cross-section from A to A'. I used these well logs because they penetrate the targeted interval, are of good quality, and are representative of the geology in the area.
- 6. Exhibit B-3 is a stratigraphic cross-section using the representative wells identified on Exhibit B-2. It contains gamma ray, resistivity and porosity logs. The proposed landing zone for the Wells are labeled on the exhibit. This cross-section demonstrates the target intervals are continuous across the Unit.
- 7. In my opinion, a standup orientation for the Wells is appropriate properly develop the subject acreage because of consistent rock properties throughout the Unit and equivalent orientation versus the offset producers.
- 8. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the Wells.
- 9. In my opinion, the granting of COG's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.
- 10. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.
- 11. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony in paragraphs 1 through 10 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

Pessica Intiff
Dessica Pontifi

august 2, 202/

COG OPERATING LLC Case No. 22076

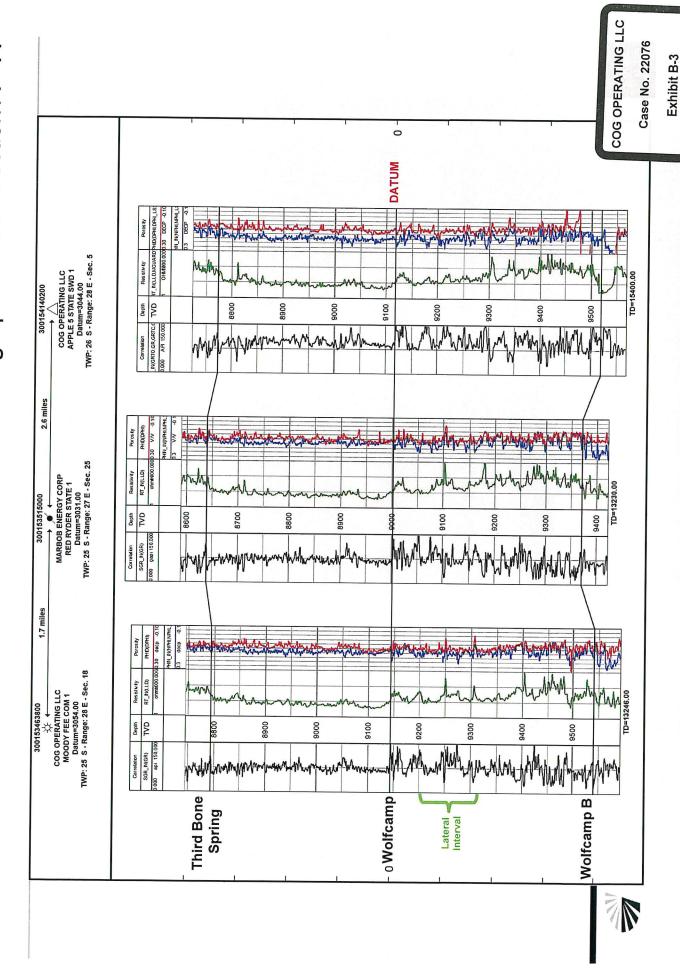
Exhibit B-1

CONCHO

COG OPERATING LLC Case No. 22076 Exhibit B-2

CONCHO

# Stratigraphic Cross Section A – A'



Jessica L. Pontiff

Senior Geologist

ConocoPhillips

Midland, TX

#### **Education:**

MS Geology: 2007, University of Arkansas - Fayetteville, AR

Thesis: Subsurface Regional Stratigraphic Framework of Morrowan Strata, Northern Arkoma Basin

BS Geosciences: 2002, Trinity University – San Antonio, TX

#### **Experience:**

Fourteen years of experience as a geologist in the Petroleum Industry working the Permian Basin. Experience includes nearly four years with a leading oil field service company focusing on wireline logging and image log interpretation across the Permian plus other North American Basins. Most recent experience includes ten years with various independent operators focused on Permian assets being involved in well planning, development, operations and resource evaluation for both vertical wells and horizontal drilling programs in the Midland and Delaware basins.

Non-industry geologic experience includes over two years of environmental geology and construction materials testing plus two years as geology laboratory and field course teaching assistant.

#### **Professional Societies:**

Member (current and past): SWS AAPG, West Texas Geologic Society, PBS-SEPM

Past Board Member: SWS AAPG, West Texas Geologic Society, PBS-SEPM

COG OPERATING LLC

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Case No. 22076

**Exhibit C**