



COG OPERATING LLC
Momba Federal Com 701H-703H
Section 13-T26S-28E
Eddy County, New Mexico



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

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

CASE NO. 21343

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- COG Exhibit 3 Notice

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21343	APPLICANT'S RESPONSE					
Date	August 20, 2020					
Applicant	COG Operating LLC					
Designated Operator & OGRID (affiliation if applicable)	OGRID # 229137					
Applicant's Counsel:	Ocean Munds-Dry, Michael Rodriguez					
Case Title:	Application of COG Operating LLC for Compulsory Pooling, Eddy County,					
Cuse Title.	New Mexico					
Entries of Appearance/Intervenors:	MRC Permian Company, EOG Resources, Inc.					
Well Family	Momba					
Formation/Pool						
Formation Name(s) or Vertical Extent:	Wolfcamp					
Primary Product (Oil or Gas):	Oil					
Pooling this vertical extent:	Wolfcamp A					
Pool Name and Pool Code:	Purple Sage Wolfcamp Gas Pool (98220)					
Well Location Setback Rules:	Statewide					
Spacing Unit Size:	~767.94 acres					
Spacing Unit						
Type (Horizontal/Vertical)	Horizontal					
Size (Acres)	~767.94 acres					
Building Blocks:	Quarter-quarter					
Orientation:	Standup					
Description: TRS/County	E/2 of Sections 24 and 25, and the E/2 of irregular Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico.					
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes					
Other Situations						
Depth Severance: Y/N. If yes, description	No					
Proximity Tracts: If yes, description	No					
Proximity Defining Well: if yes, description	N/A					
Applicant's Ownership in Each Tract	Attachment B					
Well(s)						
Name (API [if assigned]); Surface hole location; Bottom hole location; Completion target (TVD); Orientation, Completion status (standard or non-standard).	Attachment A					
Well #1	Momba Fed Com #701H (API # Pending) SHL: ~ 225 FSL, 1310 FEL, OR UNIT P, 13-26S-28E BHL: ~ 200 FSL, 330 FEL, OR LOT 4, 36-26S-28E Completion Target: Wolfcamp formation (Approx. 9791 feet TVD)					

	Completion status: Standard
Well #2	Momba Fed Com #701H (API # Pending)
	SHL: ~ 225 FSL, 1310 FEL, OR UNIT P, 13-26S-28E
	BHL: ~ 200 FSL, 330 FEL, OR LOT 4, 36-26S-28E
	Completion Target: Wolfcamp formation (Approx. 9791 feet TVD)
	Completion status: Standard
Well #3	Momba Fed Com #703H (API # Pending)
	SHL: ~ 225 FSL, 1370 FEL, OR UNIT O, 13-26S-28E
	BHL: ~ 200 FSL, 2090 FEL, OR LOT 3, 36-26S-28E
	Completion Target: Wolfcamp formation (Approx. 9791 feet TVD)
	Completion status: Standard
Horizontal Well First and Last Take Points	Exhibit 1, Attachment A
Completion Target (Formation, TVD and MD)	Exhibit 2, Attachment G
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 1, Attachment C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 3
Proof of Mailed Notice of Hearing	
(20 days before hearing)	Exhibit 3
Proof of Published Notice of	
Hearing (10 days before hearing)	Exhibit 3
Ownership Determination	
Land Ownership Schematic of the	
Spacing Unit	Attachment B
Tract List (including lease numbers	
and owners)	Attachment B
Pooled Parties (including ownership	
type)	Attachment B
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance	
(including percentage above &	
below)	N/A
Joinder CR 11 11	
Sample Copy of Proposal Letter	Attachment C
List of Interest Owners (ie Exhibit A	Augustania P
of JOA)	Attachment B
Chronology of Contact with Non-	Eulibit 1 (II 10) Amorbus and C
Overhead Pates In Proposal Letter	Exhibit 1 (¶ 12), Attachment C
Overhead Rates In Proposal Letter Cost Estimate to Drill and Complete	N/A Attachment C
Cost Estimate to Drill and Complete Cost Estimate to Equip Well	Attachment C Attachment C
Cost Estimate to Equip Well Cost Estimate for Production	Attachment
Facilities	Attachment C
	Attachment C
Geology Summary (including special	
Summary (including special considerations)	Exhibit 2
Spacing Unit Schematic	Attachment D
Spacing Our Schematic	Attachinent D

Gunbarrel/Lateral Trajectory	
Schematic	N/A
Well Orientation (with rationale)	Exhibit 2
Target Formation	Wolfcamp
HSU Cross Section	Attachments F and G
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Attachment A
Tracts	Attachment B
Summary of Interests, Unit	
Recapitulation (Tracts)	Attachment B
General Location Map (including	
basin)	Attachment B
Well Bore Location Map	Attachment D
Structure Contour Map - Subsea	
Depth	Attachment E
Cross Section Location Map	
(including wells)	Attachment F
Cross Section (including Landing	2:
Zone)	Attachment G
Additional Information	
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):	
Date:	

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. 21343

<u>APPLICATION</u>

COG Operating LLC ("Applicant") (OGRID No. 229137), through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Wolfcamp formation [Purple Sage Wolfcamp Gas Pool (98220)] underlying a standard 767.94-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24 and 25, and the E/2 of irregular Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico. In support of its application, COG states:

- 1. Applicant is a working interest owner in the proposed horizontal spacing unit and has the right to drill thereon.
- 2. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:
 - the Momba Fed Com #701H well to be drilled from a surface hole location in SE/4 SE/4 (Unit P) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36;
 - the Momba Fed Com #702H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36; and

- the Momba Fed Com #703H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 36.
- 3. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.
- 4. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 5. In order to permit Applicant to obtain it's just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 9, 2020, and, after notice and hearing as required by law, the Division enter an order:

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

F. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

COG OPERATING LLC

Ocean Munds-Dry
Michael Rodriguez
COG Operating LLC
1048 Paseo de Peralta
Santa Fe, New Mexico 87501
(505) 780-8000
omundsdry@concho.com
mrodriguez@concho.com

ATTORNEYS FOR COG OPERATING LLC

CASE ____:

Application of COG Operating LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation [Purple Sage Wolfcamp Gas Pool (98220)] underlying a standard 767.94-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24 and 25, and the E/2 of irregular Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

- the Momba Fed Com #701H well to be drilled from a surface hole location in SE/4 SE/4 (Unit P) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36;
- the Momba Fed Com #702H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36; and
- the Momba Fed Com #703H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 36.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 13 miles south of Malaga, New Mexico.

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

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

CASE NO. 21343

LANDMAN AFFIDAVIT

Hunter Hall, of lawful age and being first duly sworn, declares as follows:

1. My name is Hunter Hall, and I am a Landman with COG Operating LLC ("COG").

2. I have not testified before the New Mexico Oil Conservation Division ("Division")

as an expert witness in petroleum land matters.

3. I graduated from Texas Tech University with a Bachelor of Business

Administration in Energy Commerce (concentrations being Petroleum Land Management and

Energy Transaction Analysis) in May of 2018. In the summer of 2016, I interned for Anadarko

Petroleum Corportation in their land administration department. In the summer of 2017, I interned

at COG as a landman before starting full time in May of 2018 after graduating from Texas Tech.

I am a member of the following professional organizations: Permian Basin Landmen's Association

(PBLA) and American Association of Professional Landmen (AAPL).

4. I am familiar with the application filed by COG in this case and familiar with the

status of the lands in the subject area.

5. None of the parties proposed to be pooled in this case have indicated opposition to

this proceeding, therefore I do not expect any opposition at hearing.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

- 6. COG seeks an order pooling all uncommitted interests in the Wolfcamp formation, Purple Sage-Wolfcamp Gas Pool (Pool code 98220), underlying a standard 767.94-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24 and 25, and the E/2 of irregular Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico.
- 7. COG proposes to dedicate the above-referenced horizontal spacing unit to the following proposed initial wells, which it proposes to drill simultaneously:
 - Momba Fed Com #701H well to be drilled from a surface hole location in SE/4 SE/4
 (Unit P) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36;
 - Momba Fed Com #702H well to be drilled from a surface hole location in SW/4 SE/4
 (Unit O) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36; and
 - Momba Fed Com #703H well to be drilled from a surface hole location in SW/4 SE/4
 (Unit O) of Section 13 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 36.
 - 8. Attachment A contains draft Form C-102s for the proposed wells.
- 9. No ownership depth severances exist within this proposed spacing unit, and there are no unleased mineral interests in the subject acreage.
- 10. Attachment B depicts the tracts of land comprising the proposed spacing unit in this case. The proposed spacing unit includes federal, state, and fee lands. It also identifies the interest ownership and interest type by tract. COG seeks to pool all uncommitted interests identified in this attachment.

- 11. All interest owners that COG seeks to pool are locatable. COG has conducted a diligent search of all public records in Eddy County, including phone directories and computer databases.
- 12. Attachment C contains well proposal letters and AFEs for each well provided to the working interest owners COG is seeking to pool. The costs reflected on each AFE are consistent with what other operators have incurred for drilling similar horizontal wells in the area.
- 13. In my opinion, COG has made a diligent effort to reach agreement with the nonjoined parties as indicated by the following <u>Chronology of Contact</u>:
 - 2/26/2020 Well proposals, AFEs, and COG's proposed form of JOA was sent to all uncommitted working interest owners.
 - 2Q/3Q 2020 Present Ongoing email communication with Oxy USA Inc.
 And OXY Y-1 Company regarding the planned development, proposed OA,
 and their interest in the unit.
 - 3Q 2020 Present Ongoing email/phone communication with Sharbro Energy's Liz Baker regarding the planned development, proposed OA, and Sharbro's interest within the unit.
 - 3Q 2020 Present Ongoing email/phone communication with Matador Resources Company regarding the planned development, proposed OA, and Matador's interest within the unit.
- 14. In my opinion, COG has made a good faith effort to obtain voluntary joinder of the parties it is seeking to pool. If COG reaches an agreement with any of the parties it is seeking to pool before the Division enters an order, I will inform the Division that COG is no longer seeking to pool those parties.

- 15. COG has estimated the overhead and administrative costs for drilling and producing the proposed wells 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.
- 16. I have provided COG's legal counsel a list of names and addresses of the owners COG seeks to pool and instructed that they be notified of this hearing. Additionally, notice of this hearing was timely published in a newspaper of general circulation in Eddy County, New Mexico.
- 17. Exhibit 1 and Attachments A through C were either prepared by me or compiled under my direction and supervision.

THIS CONCLUDES AFFIANT'S STATEMENT.

	Dine
	Affiant
STATE OF TEXAS)
COUNTY OF MIDLAND)
SUBSCRIBED and SWOR	N to before me this 18th day of August, by
Hunter Hall.	Micked Men. NOTARY PUBLIC
My Commission Expires:	-
2-26-2023	Mickle J Allen Hotsry Public, State of Texas Notary ED 13190916-6

DISTRICT I

State of New Mexico 1625 N. FRENCH DR., HOBBS, NM 85240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 86210 Phone: (875) 748-1283 Fax: (875) 748-8720 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

□ AMENDED REPORT

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: 5051 478-3460 Per (505) 478-3462

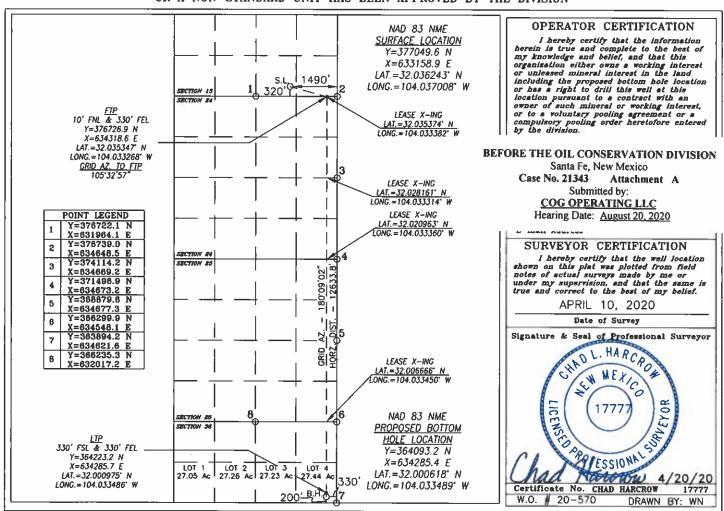
API Number	WELL LOCATION AND ACREAGE DI	Pool Name
Property Code	Property Name MOMBA FEDERAL CO	Well Number 701H
OGRID No.	Operator Name COG OPERATING, LL	C Elevation 2908.6'

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	13	26-S	28-E		320	SOUTH	1490	EAST	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
4	36	26-S	28-E		200	SOUTH	330	EAST	EDDY
Dedicated Acres Joint or Infill Consolidation Con		Code Ore	der No.		-		<u>' </u>		

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



DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (576) 748-1283 Fax: (576) 748-9720

State of New Mexico 1625 N. FRENCH DR. HOBBS, NW 88240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

> 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

☐ AMENDED REPORT

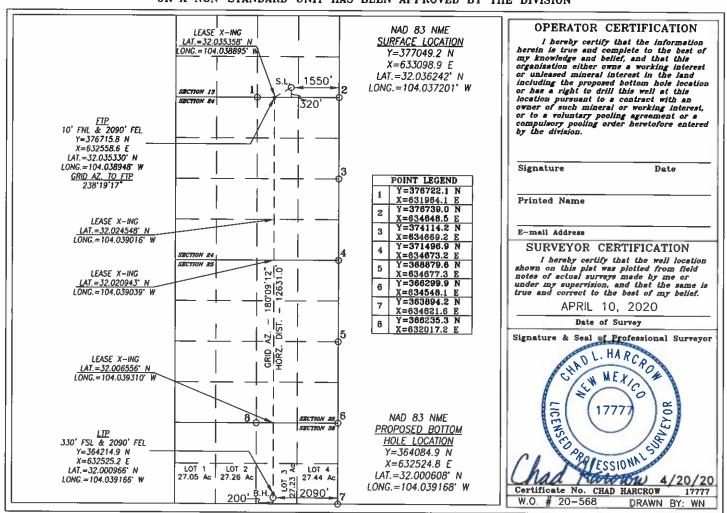
DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87605 Phone: (505) 476-3480 Fax: (505) 478-3482

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name Property Code Property Name Well Number MOMBA FEDERAL COM 703H OGRID No. Operator Name Elevation COG OPERATING, LLC 2908.0 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 0 13 26-S 28-E 320 SOUTH 1550 **EAST EDDY** Bottom Hole Location If Different From Surface

UL or lot No. Section Lot Idn Feet from the Township Range Feet from the North/South line East/West line County 3 36 26-S 28-E 200 SOUTH 2090 **EAST EDDY**

Dedicated Acres Joint or Infill Consolidation Code 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



DISTRICT I DISTRICT II 811 S. First St., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico 1625 N. French Dr., HOBBS, NM 68240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

□ AMENDED REPORT

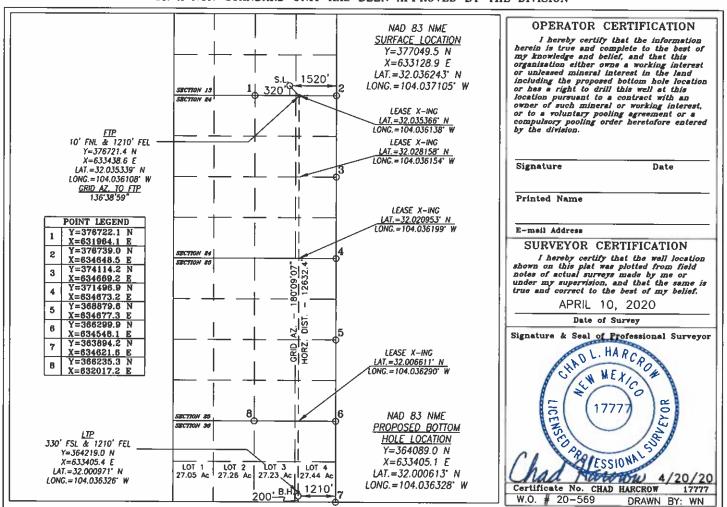
DISTRICT IV 1220 S. ST. FRANCIS DR. SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

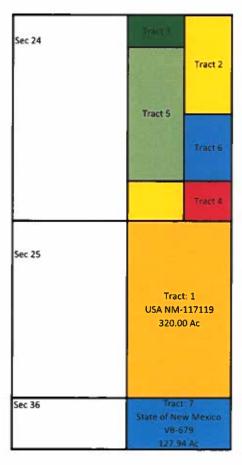
	_		WELL LO	CATION	AND A	CREAG	E DEDICATION	ON PLAT		
API	Number		Pool Code Pool Name							
Property	Code		Property Name						Well Number	
				MOI	MBA FE	EDERAL	COM		702H	
OGRID N	0.		Operator Name						Elevation	
		<u> </u>	COG OPERATING, LLC					2909.0'		
					Surfac	e Locati	on			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	n the N	orth/South line	Feet from the	East/West line	County
0	13	26-S	28-E		32	0	SOUTH	1520	EAST	EDDY
			Bottom	Hole Loc	eation It	Differe	nt From Surf	ece.		

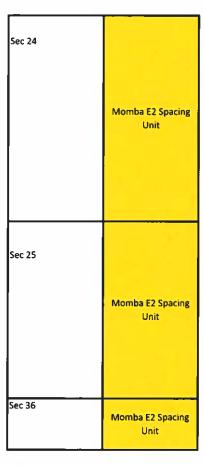
ttom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	36	26-S	28-E		200	SOUTH	1210	EAST	EDDY
Dedicated Acres Joint or Infill Consolidation Code		Code Or	der 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









Momba Fed Com 701H, 702H, 703H - Compulsory Pooling Info Section 24: E2, Section 25: E2, Section 36: N2NE, Lots 3, 4, T26S-R28E - Wolfcamp

Proposal Sent	YES
COM Sent	YES
DPU Sent	YES
JOA Sent	YES

The second second	PARTI	ES TO POOL		
Party	Interest Type	Address		
OXY USA, Inc.	WI/RTO	5 Greenway Plaza, Suite 110, Houston, TX 77046		
Oxy Y-1 Company	WI	5 Greenway Plaza, Suite 110, Houston, TX 77046		
Sharbro Energy LLC	w	327 W. Main St., Artesia, NM 88210		
MRC Permian Company	WI/RTO	5400 LBJ Freeway Suite 1500, Dallas, TX 75240		
Chevron U.S.A. Inc.	WI/RTO	6301 Deauville Ave, Midland, TX 79706		
Abo Petroleum	ORRI	1111 Bagsby, Sky Lobby 2, Houston, TX 77002		
Chisos Minerals	ORRI	1111 Bagby Street, Suite 2150, Houston, TX 77002		
Frank Blow Fowlkes	NPRI	316 Granada Avenue, El Paso, TX 79912		
J.M. Fowikes, Jr.	NPRI	1801 Madison St, Pecos, TX 79772		
Maco Stewart Fowlkes	NPRI	7915 Fairdale Lane, Houston, TX 77063		
Edwin "Trey" Fowlkes III	NPRI	PO Box 23416, Waco, TX 76702		
Janet Renee Fowlkes Murrey	NPRI	PO Box 417, Eddy, TX 76524		
Kathleen Fowlkes Moller	NPRI	Box 516, Springville, UT 84663		
John M. Fowikes	NPRI	PO Box 1470, Marfa, TX 79843		
Lauren Fowlkes Mattio	NPRI	2048 Timberline Orive, Naples, FL 34109		
Nancy Fowlkes Donley	NPRI	2506 Wilderness Hill Drive, San Antonio, TX 78231		
Penny Rae Harrison	NPRI	2101 Brooklake West, Denton, TX 76207		
Pardue Limited Co	NPRI	PO Box 2018, Carlsbad, NM 88221		
Delaware Ranch Inc.	NPRI/RI	1304 W. Riverside Drive, Carlsbad, NM 88220		
All other Of	RRI/NPRCowners hav	e signed ratifications of Corn and DPU		

	LEASEHOLD WI TOTALS											
	COG Op/Prod/Acre/Oil and Gas	Oxy USA	Oxy Y-1	Sharbro Energy	MRC Permian Company	Chevron						
Tract 1	50.0000%	50,0000%	0,0000%	0.0000%	0.0000%	0.0000%						
Tract 2	50.0000%	50.0000%	0,0000%	0.0000%	0.0000%	0.000096						
Tract 3	96.8750%	3,1250%	0.0000%	0.0000%	0.0000%	0.0000%						
Tract 4	96.8750%	3.1250%	0.0000%	0.0000%	0.0000%	0.0000%						
Tract 5	73.4375%	1.5625%	0.0000%	0.0000%	25.0000%	0.0000%						
Tract 6	73,4375%	1.5625%	0.0000%	0.0000%	25.0000%	0.0000%						
Tract 7	88,5000%	0.0000%	10.0000%	1.5000%	0.0000%	0.0000%						

Unit Capitulation	VI
COG Operating LLC	63.18727318%
COG Production LLC	13.16019056%
COG Acreage LP	0.82091230%
Concho Oil & Gas LLC	0.16522694%
OXY USA, Inc.	12.70426781%
Oxy Y-1 Company	3.49863271%
Chevron USA Inc.	1.85721477%
Sharbro Energy LLC	0.69972654%
Matador Resource Company	3,90655520%
	1.0
SU	M 100.0000%

Due to a number of DA's within the area, the leasehold ownership does not exactly match the Contractual Interest



BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Case No. 21343 Attachment C
Submitted by:
COG OPERATING LLC

Hearing Date: August 20, 2020

February 26, 2020

Via CMRRR No. 91 7199 9991 7039 7968 9237 Chevron U.S.A. Inc. 6301 Deauville Midland, TX 79706 Attn: Kristen Hunter

Re:

Momba Fed Com 701H, 702H, 703H E/2 Momba Fed Com Unit Sections 24, 25 & 26, T26S-R28E

Eddy County, New Mexico

Dear Kristen:

COG Operating, LLC ("COG"), as Operator, hereby proposes the drilling of the following horizontal wells with productive laterals located in E/2 of Sections 24, 25, & 36, Township 26 South, Range 28 East, Eddy County, New Mexico (collectively, the "Operation"). The surface pad locations will be located offlease in Unit O of Section 13, T26S-R28E (subject to change).

- Momba Fed Com 701H, to be drilled to a depth sufficient to test the Wolfcamp A Shale formation at an approximate total vertical depth of 9,791'. The surface location for this well is proposed at a legal location in Unit P of Section 13, and a bottom hole location at a legal location in Lot 4 of Section 36. The dedicated horizontal spacing unit will be the E/2 of Sections 24, 25 and the N2NE4 and Lots 3 & 4 (E2) of Section 36, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$11,586,000.00, as shown on the attached Authority for Expenditure ("AFE").
- Momba Fed Com 702H, to be drilled to a depth sufficient to test the Wolfcamp A Shale formation at an approximate total vertical depth of 9,791'. The surface location for this well is proposed at a legal location in Unit O of Section 13, and a bottom hole location at a legal location in Lot 4 of Section 36. The dedicated horizontal spacing unit will be the E/2 of Sections 24, 25 and the N2NE4 and Lots 3 & 4 (E2) of Section 36, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$11,586,000.00, as shown on the attached AFE.
- Momba Fed Com 703H, to be drilled to a depth sufficient to test the Wolfcamp A Shale formation at an approximate total vertical depth of 9,791'. The surface location for this well is proposed at a legal location in Unit O of Section 13, and a bottom hole location at a legal location in Lot 3 of Section 36. The dedicated horizontal spacing unit will be the E/2 of Sections 24, 25 and the N2NE4 and Lots 3 & 4 (E2) of Section 36, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$11,586,000.00, as shown on the attached AFE.

COG is proposing to drill these wells under the terms of a new Operating Agreement which will follow under separate cover.

February 26, 2020 – Page 2 E/2 Momba Fed Com Unit

In the interest of time, if we do not reach an agreement 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 wells.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

~:	nce		
Nι	ncc	oro	111/

COG Operating LLC

Travis Macha Landman II

TM:bh Enc

Please Indicate your election below:

WELL NAME	PARTICIPATE Elect to participate in drilling & completion of well	DO NOT PARTICIPATE Elect NOT to participate in drilling & completion of well
Momba Fed Com 701H		
Momba Fed Com 702H		-
Momba Fed Com 703H		

CHEVRON U.S.A. INC.

Ву:	××-11	
Name:	 	
Title:		
Date:		

COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

Well Name MOMBA FED COM 701H SHL 225 FSL, 1310 FEL, OR UNIT P, 13-26S-28E 8HL 200 FSL, 330 FEL, OR LOT 4, 36-26S-28E Formation WOLFCAMP Legal AFE Numbers

Ву:

Company: By:

Printed Name: Title: Date:

We approve: _____% Working Interest

Prospect ATLAS 2628 State & County NEW MEXICO, EDDY Objective DRILL & COMPLETE Depth 22,331 TVD 9,791

ost Description langible Costs	121111111111111111111111111111111111111		Pre-Set Casing(PC)		Part of the same o	Tank Bity Constrctn(TB)	Pmpq Equip (PEQ)	Revision	
Lctn/Pits/Roads	205		Arterial Control	\$ 117,000.00				\$ -	\$ 117,00
Drilling Overhead	206			\$ 11,000.00			_	5 -	\$ 11,00
Daywork Contract	209			\$ 816,000.00				\$	\$ 816,00
Directional Drlg Services	210			\$ 391,000.00			-	\$ -	\$ 391,00
Fuel & Power	211			\$ 174,000.00				\$ -	\$ 174,00
Vater	212	_		\$ 92,000.00				\$.	\$ 92,00
lits	213								
								\$ -	\$ 129,00
fud & Chemicals	214			\$ 309,000.00				\$	\$ 309,0
ement Surface	217			\$ 24,000.00				\$	\$ 24,0
ement Intermed	218	-		\$ 91,000.00				S -	\$ 91,0
rod-2nd Int Cmt	219			\$ 135,000.00				S -	\$ 135,0
loat Equipment & Centralizers	221			\$ 74,000.00				\$	\$ 74,0
sg Crews & Equip	222		-	\$ 80,000.00				\$ -	\$ 80,0
ontract Labor	225			\$ 8,000.00				\$.	\$ 8,0
ompany Sprvsn	226			\$ 62,000.00					
									\$ 62,0
ontract Sprvsn	227			\$ 146,000.00				\$ -	\$ 146,0
stg Csg/Tbg	228			\$ 49,000.00				\$	\$ 49,0
lud Logging Unit	229			\$ 56,000.00				\$	\$ 56,0
entals-Surface	235			\$ 240,000.00				\$ -	\$ 240,0
entals-Subsrfc	236			\$ 112,000.00				\$ -	\$ 112,0
rucking/Forklift/Rig Mob	237			\$ 172,000.00				\$ -	\$ 172,0
/elding Services	238			\$ 4,000.00				\$ -	\$ 4,0
ontingency	243			\$ 75,000.00			-	\$ -	\$ 75,0
	244								
nvmmt/Clsd Loop				\$ 377,000.00	£ 400.000.00			<u>\$</u> -	\$ 377,0
/ellbore Frac Prep	304				\$ 105,000.00			\$.	\$ 105,0
ctn/Pits/Roads	305				\$ 13,000.00			\$ -	\$ 13,0
ompletion OH	306				\$ 19,000.00			5	\$ 19,0
rac Equipment	307				\$ 1,209,000.00			\$.	\$ 1,209,0
rac Chemicals	308				\$ 518,000.00			\$.	\$ 518,0
rac Proppant	309				\$ 235,000.00			\$ -	\$ 235,0
	310						-		
rac Proppant Transportation					\$ 365,000.00			\$.	\$ 365,0
uel Delivery & Services	311				\$ 53,000.00			\$	\$ 53,0
/ater	312				\$ 715,000.00			S -	\$ 715,0
rac Surface Rentals	315				\$ 396,000.00			5 -	\$ 396,0
ontract Labor	325				\$ 13,000.00			\$	\$ 13,0
ompany Sprvsn	326		f		\$ 13,000.00			\$ -	\$ 13,0
ontract Sprvsn	327				\$ 188,000.00			\$.	\$ 188,0
rtificial Lift Install	329				\$ 56,000.00				
erf/Wireline Svc									
	331							\$ -	\$ 471,0
rucking/Forklift/Rig Mob	337				\$ 13,000.00			S -	\$ 13,0
/ater Disposal	339				\$ 50,000.00			\$	\$ 50,0
Contingency	343				\$ 187,000.00			-	\$ 187,0
yed Diesel	345	Ĭ			\$ 409,000.00			\$ -	\$ 409,0
rillout	346				\$ 421,000.00			\$ -	\$ 421,0
Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,0
Location/Pits/Roads	353					\$ 43,000.00			
								\$.	\$ 43,0
Contract Labor	356					\$ 184,000.00		\$ -	S 184,0
2-Contract Labor	374						\$ 43,000.00	\$ -	\$ 43,0
2-Water Disposal	387						\$ 203,000.00	\$ -	\$ 203,0
2-HRZ Well Offset Frac	391			ľ			\$ 21,000.00	\$ -	\$ 21,0
al Intangible Costs	25/05/12/20	\$ 高级的积度 "我们	\$ 12-19-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	\$ 3,744,000.00	\$ 5,449,000.00	\$ 229,000.00	\$ 267,000.00	A VERONINA DOMENT RE	\$ 9,689,0
			THE STATE ASSESSMENT AND A STATE OF THE STAT	101201100000			201,000.00		0,000,0
gible Costs	000	VPAINE .	THE BEST WORLD PARTIES.	real section age	TENERAL TO	1220		TARRES E TORK	the wittened to put
>Flowback Crews & Equip	392						\$ 122,000.00		\$ 122,0
urface Casing	401			\$ 30,000.00				\$	\$ 30,0
termed Csg	402			\$ 277,000.00				\$ -	\$ 277,0
roduction Casing/Liner	403			\$ 382,000.00				\$ -	\$ 382,0
/ellhead Equip	405			\$ 92,000.00				\$ -	\$ 92,0
ubing	504				\$ 65,000.00			\$.	\$ 65.0
	505				\$ 35,000.00				
/ellhead Equip					÷ 30,000.00	£ 00 000 ±=			\$ 35,0
Tanks	510					\$ 80,000.00		\$ -	\$ 80,0
Flowlines/Pipelines	511					\$ 30,000.00		\$	\$ 30.0
Htr Trtr/Seprtr	512					\$ 185,000.00		\$	\$ 185,0
Electrical System/Equipment	513					\$ 119,000.00		5 -	\$ 119,0
ckrs/Anchors/Hgrs	514			Î	\$ 81,000.00			\$	\$ 81.0
Couplings/Fittings/Valves	515				3,,500.00	\$ 204,000.00		\$	\$ 204,0
Pumps-Surface	521	-				\$ 25,000.00		\$ -	204,0
	522								\$ 25,0
nstrumentation/SCADA/POC				-		\$ 20,000.00		\$.	\$ 20.0
Miscelfaneous	523					\$ 20,000.00		\$	\$ 20,0
Weters/Lacts	525					\$ 25,000.00		\$ -	\$ 25,0
lares/Combusters/Emission	526					\$ 30,000.00		\$.	\$ 30.0
	527		,	Ì	\$ 32,000.00			\$ -	\$ 32,0
ias Lift/Compression	531						\$ 43,000.00		\$ 43,0
as Lift/Compression		◆ SERVICE AND SERVICE ◆	· A Company of the Co	0.//	0.000 044 444 64				
2-Wellhead Equipment		\$ 现场是这一规	\$ 200 2 5 5 5 5 5 5	\$ 781,000.00	\$ 213,000.00	\$ 738,000.00	\$ 165,000.00	党和政治和公司的	\$ 1,897,0
as Lift/Compression 2-Wellhead Equipment at Tangible Costs	100								
2-Wellhead Equipment al Tangible Costs		The second	service (1888) 184 and trans	\$ 4 525 000 00	E = E 882 000 00	6 047 000 00	\$ 432 000 AA	This parties are a second of the	\$ 100 TOTAL 44 EDG 0
-Wellhead Equipment	T HORA		\$ MORE LANGE TO THE POPULATION OF THE POPULATION	\$ 34,525,000.00	\$ 5,662,000.00	\$ 967,000.00	\$ 432,000.00	Secretary - 2	\$ 11,586,0

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

Date Prepared:

COG Operating LLC

Ву:

COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

Well Name MCMBA FED COM 702H SHL 225 FSL 1340 FEL, OR UNIT 0, 13-26S-28E BHL 200 FSL 1210 FEL, OR LOT 4, 36-26S-28E Formation WOLFCAMP Legal AFE Numbers

COG Operating LLC

We approve: _____% Working Interest

Company: By:

Printed Name: Title: Date: Prospect ATLAS 2628 State & County NEW MEXICO, EDDY Objective DRILL & COMPLETE Depth 22,331 TVD 9,791

Cost Description Intang ble Costs	Code	PreSpud (PS)	Pre-Set Casing(PC)	Dril	ling (DR)	Comp	pletions (C)	Tank Bitty (onstrctn(TB)	Pmpq Equip (PEC	Revis	lon	Tota
D-Lctn/Pits/Roads	206	NO DESCRIPTION OF THE REAL	CONTRACTOR OF STATE O	E 44	7 000 00	-	CARCIN DOM	Edit Seattles no	mary and her	STATE OF THE STATE	ARCHEVIA VIEW CHIMANIA	- BORNE	
	205				7,000.00						\$.		117,000.00
D-Drilling Overhead	206	9			1,000.00							- \$	11,000.0
D-Daywork Contract	209	7			6,000.00	1					-	- \$	816,000.0
D-Directional Drig Services	210			\$ 39	1,000.00						\$.	. \$	391,000.0
D-Fuel & Power	211		1	\$ 17	4,000.00					1		- \$	174,000.0
D-Water	212				2,000.00						\$ -		92,000.0
D-Bits	213				9,000.00			<u> </u>			\$.		129,000.0
D-Mud & Chemicals	214		 		9,000.00					_			
			 			-					\$		309,000.0
D-Cement Surface	217		<u> </u>		4,000.00						\$ -	-	24,000.0
D-Cement Intermed	218				1,000.00	<u> </u>					S .	- \$	91,000.0
D-Prod-2nd Int Cmt	219		1	\$ 13	5.000.00						\$ -	- \$	135,000.0
D-Float Equipment & Centralizers	221			5 7	4,000.00						\$ -		74,000.0
D-Csg Crews & Equip	222		1		0,000.00						\$.	Ť	80,000.0
D-Contract Labor	225				8,000.00	-							
						-					-	-	8,000.0
D-Company Sprvsn	226		1		2,000.00	_					5 -		62,000.0
D-Contract Sprvsn	227				6,000.00			Ĺ		l.	\$	\$	146,000.0
D-Tstg Csg/Tbg	228		<u> </u>	S 4	9,000.00	1					\$	- \$	49,000.0
D-Mud Logging Unit	229			\$ 5	6,000.00						\$.	- 3	56,000.0
D-Rentals-Surface	235				0,000.00						\$.		240,000.0
D-Rentals-Subsrfc	236				2,000.00	_							
D-Trucking/Forklift/Rig Mob						-					\$		112,000.0
	237				2,000.00	-					5 .		172,000.0
D-Welding Services	238				4,000.00						\$	- \$	4,000.0
D-Contingency	243			\$ 7	5,000.00						\$	- \$	75,000.0
D-Envmmtl/Clsd Loop	244				7,000.00						\$.		377,000.0
C-Wellbore Frac Prep	304					S	105,000.00				S	5	105,000.0
C-LctrvPits/Roads	305		 							-			
						\$	13,000.00				<u> </u>		13,000.0
C-Completion OH	306					\$	19,000.00				\$ -		19,000.0
C-Frac Equipment	307						209,000.00			1	\$. 5	1,209,000.0
C-Frac Chemicals	308					\$	518,000.00				\$ -		518,000.0
C-Frac Proppant	309				_		235,000.00				\$.	Š	235,000.0
C-Frac Proppant Transportation	310						365,000.00				\$		365,000.0
C-Fuel Delivery & Services	311			_			53,000.00						
						\$					\$ -		53,000.0
C-Water	312						715.000.00			<u> </u>	S -		715,000.0
C-Frac Surface Rentals	315					\$	396,000.00			ŀ	\$	- \$	396,000.0
C-Contract Labor	325					5	13,000.00				\$ -	Š	13,000.0
C-Company Sprvsn	326		1			Š	13.000.00			-	\$.	_	13,000.0
C-Contract Sprvsn	327						188,000.00						
			 								\$		188,000.0
C-Artificial Lift Install	329		ļ			\$	56,000.00				S -		56,000.0
C-Perf/Wireline Svc	331					\$.	471,000.00			I_	5 -	- \$	471,000.0
C-Trucking/Forklift/Rig Mob	337					5	13,000.00				\$ -	- \$	13,000.0
C-Water Disposal	339		T			S	50,000.00				\$.	-	50,000.0
C-Contingency	343		1				187,000.00				\$.		
C-Dyed Diesel	345				-		409,000.00			-			187,000.0
											\$		409,000.0
C-Drillout	346					\$ -	421,000.00				S -	- \$	421,000.0
TB-Damages/Right of Way	351							\$	2,000.00	1	\$	_ \$	2,000.0
TB-Location/Pits/Roads	353		1					\$	43,000.00		\$	\$	43,000.0
TB-Contract Labor	356							5	184,000.00		\$.		184,000.0
PEQ-Contract Labor	374		1					_	10 1,000,00	\$ 43,000.00			
PEQ-Water Disposal	387												43,000.0
						-		_		\$ 203,000.00			203,000.0
PEQ-HRZ Well Offset Frac	391									\$ 21,000.00	S -	\$	21,000.0
Total Intangible Costs		* ************************************	\$ 57535566CLX66 • 251	\$ 3,74	4,000.00	\$ 5.	449,000.00	S MURREY	229,000.00	\$ 267,000.00	\$ 165 th Parket Williams 1975	256 18.3	9,689,000.0
Tangible Costs	SSEMANWES!	TISKATAN COREA	errin i tarahar tensih	TELESTINE.	say elegan	Mexicon.	ewadate n	Micesyllo	The state of the state of	THE VEHICLE OF THE PARTY.	THE SHEEKENEY, THE STATE OF	0.00	DAY UNITED STORY
PEQ-Flowback Crews & Equip	392									\$ 122,000.00	\$ -		122,000.0
D-Surface Casing	401			\$ 3	0,000.00	1					\$.	- \$	30,000.0
O-Intermed Csg	402				7.000.00						\$ -		277,000.0
D-Production Casing/Liner	403				2,000.00					·	\$		382,000.0
D-Wellhead Equip	405		 										
				a 9.	2,000.00	-	00.000.00				\$.		92,000.0
-Tubing	504					5	65,000.00				\$ -		65,000.0
C-Wellhead Equip	505					\$	35,000.00				5 -	- \$	35,000.0
B-Tanks	510		î l					\$	80,000.00		\$ -	\$	80,000.0
8-Flowlines/Pipelines	511							\$	30,000.00	<u>† </u>	\$	S	30,000.0
	512	-				-				-			
8-Htr Trtr/Seprtr						-		\$	185,000.00		5		185,000.0
8-Electrical System/Equipment	513							\$	119,000.00		\$	<u>-</u>	119,000.0
C-Pckrs/Anchors/Hgrs	514					S	81,000.00				\$ -	\$	81,000.0
8-Couplings/Fittings/Valves	515							S	204,000.00		\$.	\$	204,000.0
B-Pumps-Surface	521							\$	25,000.00		S .	\$	25,000.0
B-Instrumentation/SCADA/POC	522		 										
						-		\$	20.000.00		<u> </u>		20,000.0
B-Miscellaneous	523							\$	20,000.00		<u>s</u> -	\$	20,000.0
B-Meters/Lacts	525		<u> </u>					\$	25,000.00		\$.	- 5	25,000.0
B-Flares/Combusters/Emission	526					I		\$	30,000.00	_	\$ -		30,000.0
Gas Lift/Compression	527					5	32,000.00	_			S -		32,000.0
PEQ-Wellhead Equipment	531		1				32,000.00			40 000 0			
	231									\$ 43,000.00		_	43,000.0
Total Tangible Costs	E (In this	\$ 20 EVENE P.C	经济型地位约	\$ 33.78	1,000.00	\$ 55%	213,000.00	李明 文英帝	738,000.00	\$ 165,000.00	法的的特性的企业	38 38	1,897,000.0
otal Gross Cost	Chieschi	\$ THE THE PE	\$ 1583 100 100 100 100	\$ 4.52	5,000.00	\$ 25.5	662,000.00	100	967,000.00	\$ 432,000.00	\$ 2000 700 m (M) 400 mm	230 \$ 1	11,586,000.0
ote: The above costs are estimate	es only. A				,					.,		F-17	1.1000100010

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

Date Prepared:

COG Operating LLC

Ву:

COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

Weil Name MOMBA FED COM 703H
SHL 225 FSL, 1370 FEL, OR UNIT O, 13-26S-28E
BHL 200 FSL, 2090 FEL, OR LOT 3, 36-26S-28E
Formation WOLFCAMP
Legal
AFE Numbers

Ву:

Company: By:

Printed Name: Title: Oate

We approve:
_____% Working interest

Prospect ATLAS 2628
State & County NEW MEXICO, EDDY
Objective DRILL & COMPLETE
Depth 22,331
TVD 9,791

est Description tangible Costs	Code	. response of	Pre-Set Casing(PC)		Completions (C)	Tank Bitty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	1
Lctn/Pits/Roads	205			\$ 117,000.00				\$.	\$ 1
Drilling Overhead	206			\$ 11,000.00				\$ -	S
Daywork Contract	209			\$ 816,000.00				s -	\$ 8
Directional Drlg Services	210			\$ 391,000.00				\$ -	\$ 3
Fuel & Power	211			\$ 174,000.00				\$ -	\$ 1
Water	212			\$ 92,000.00				s -	\$
Bits	213			\$ 129,000.00				\$ -	\$ 1:
Mud & Chemicals	214			\$ 309,000.00				\$ -	\$ 3
Cement Surface	217			\$ 24,000.00				\$.	\$
Cement Intermed	218			\$ 91,000.00				\$	\$
Prod-2nd Int Cmt	219			\$ 135,000.00				\$ -	\$ 1
Float Equipment & Centralizers	221			\$ 74,000.00				\$.	\$
Csg Crews & Equip	222			\$ 80,000.00				\$ -	\$
Contract Labor	225			\$ 8,000.00				\$ -	\$
Company Sprvsn	226			\$ 62,000.00				\$.	\$
Contract Sprvsn	227			\$ 146,000.00				\$	S 1-
Tstg Csg/Tbg	228			\$ 49,000.00				\$ -	\$
Mud Logging Unit	229			\$ 56,000.00				\$.	\$
Rentals-Surface	235			\$ 240,000.00				\$ -	\$ 2
Rentals-Subsrfc	236			\$ 112,000.00				\$ -	\$ 1
Trucking/Forklift/Rig Mob	237			\$ 172,000.00				\$.	\$ 1
Welding Services	238			\$ 4,000.00				\$ -	\$
Contingency	243			\$ 75,000.00				\$.	\$
Envmmtl/Clsd Loop	244			\$ 377,000.00	4			\$.	\$ 3
Wellbore Frac Prep	304			,	\$ 105,000.00			\$ -	\$ 1
_ctrvPits/Roads	305				\$ 13,000.00			S .	\$
Completion OH	306				\$ 19,000.00			S	S
Frac Equipment	307				\$ 1,209,000.00			\$ -	\$ 1.2
rac Chemicals	308				\$ 518,000.00			15 .	\$ 5
rac Proppant	309				\$ 235,000.00			\$ -	\$ 2
rac Proppant Transportation	310				\$ 365,000.00			\$ -	\$ 3
uel Delivery & Services	311	-			\$ 53,000.00			\$.	\$
Valer	312				\$ 715,000.00			\$ -	5 7
Frac Surface Rentals	315			•	\$ 396,000.00			\$ -	\$ 3
Contract Labor	325				\$ 13,000.00			\$	\$
Company Sprvsn	326				\$ 13,000.00				
Contract Sprvsn	327				\$ 188,000.00				
Artificial Lift Install	329				\$ 56,000.00			\$ -	\$ 1
Perf/Wireline Svc	331				\$ 471,000.00				\$
rucking/Forklift/Rig Mob	337				\$ 13.000.00				\$ 4
Nater Disposal	339				\$ 50,000.00			\$	\$
	343							\$	\$
Contingency Dyed Diesel	345							\$ -	\$ 1
Drillout					\$ 409,000.00			\$ 18	\$ 4
	346				\$ 421,000.00	2 222 22		\$ \(\(\(\)\)	\$ 4
-Damages/Right of Way	351				<u> </u>	\$ 2,000.00		\$ -	\$
-Location/Pits/Roads	353					\$ 43,000.00		\$	\$
Contract Labor	356					\$ 184,000.00		\$ -	\$ 1
O-Contract Labor	374						\$ 43,000.00	\$ -	\$
Q-Water Disposal	387						\$ 203,000.00		\$ 2
Q-HRZ Well Offset Frac	391						\$ 21,000,00		\$
al Intangible Costs	14.1	\$ 14.51 (12.16.	\$ 15 B 15	\$ 3,744,000.00	\$ 5,449,000.00	\$ 229,000.00	\$ 267,000.00	\$ 25%的经验是30%。这	\$ 9,6
gible Costs	THE STREET	STATE ARCHIVE	the second property of the second	CATALON SANCE	BATCH TO THE STREET	PROCESSAL AND AND A SERVICE	to the training south bracket do to		and the same of the same
2-Flowback Crews & Equip	392	-					\$ 122,000.00	\$.	\$ 1:
Surface Casing	401			\$ 30,000.00			144,000.00	\$	5
ntermed Csg	402			\$ 277,000.00				\$ -	\$ 2
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This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

Date Prepared:

Ву:

COG Operating LLC

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. 21343

GEOLOGIST AFFIDAVIT

Travis Sparks, of lawful age and being first duly sworn, declares as follows:

1. My name is Travis Sparks, and I am a Geologist with COG Operating LLC

("COG").

2. I have previously testified before the New Mexico Oil Conservation Division

("Division") as an expert witness in petroleum geology matters and my credentials have been

accepted and made a matter of public record.

3. I am familiar with the application filed by COG in this case and I have conducted

a geologic study of the lands in the subject area.

4. COG is targeting the Wolfcamp formation with its proposed Momba Fed Com

701H, 702H, and 703H wells (collectively called the "Wells").

5. Attachment D is a locator map displaying COG's acreage in yellow for the

Wolfcamp formation. Existing producing wells in the Wolfcamp interval are represented by solid

lines. The approximate wellbore paths for the Wells are marked by dashed lines.

6. Attachment E is a subsea structure map that I prepared for the top of the Wolfcamp

that is representative of the targeted interval within the Wolfcamp interval. The data points are

indicated by crosses. I used the Wolfcamp structure because it is a reliable regional marker and

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Case No. 21343 Exhibit No. 2

the target intervals lie near this marker. The approximate wellbore paths for the proposed Wells are depicted by dashed lines. The map shows that the formation is gently dipping to the southwest in this area. I do not observe any faulting, pinch-outs, or other geologic impediments to developing the targeted intervals with horizontal wells in this area.

- 7. Attachment F overlays a cross-section line consisting of three 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.
- 8. Attachment G is a stratigraphic cross-section using the representative wells depicted on Attachment F. Each well in the cross-section contains gamma ray, resistivity, and porosity logs. The proposed target intervals in the Wolfcamp formation are labeled on the exhibit. The cross-section demonstrates that the targeted intervals are continuous across the proposed spacing unit.
- 9. In my opinion, the stand-up orientation of the proposed wells is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.
- 10. Based on my geologic study, the targeted interval underlying the subject area is suitable for development by horizontal wells, and the acreage comprising the proposed spacing unit will contribute, more-or-less, equally to the production from the wellbores.
- 11. In my opinion, the granting of COG's application will be in the best interest of conservation, the prevention of waste, and the protection of correlative rights.
- 12. Exhibit 2 and Attachments D through G were either prepared by me or compiled under my direction and supervision.

THIS CONCLUDES AFFIANT'S STATEMENT.

Affiant Affiant

STATE OF	New	Mexico)
COUNTY OF	Eggo)

SUBSCRIBED and SWORN to before me this 18th day of August, by Iravis Sparks.

NOTARY PUBLIC

My Commission Expires:

2-26-2023

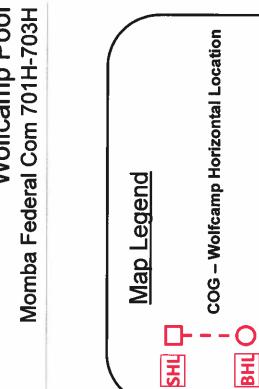


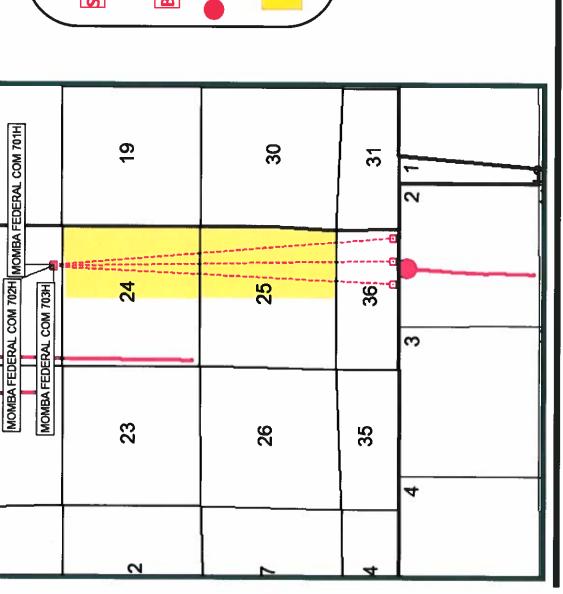
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Producing Wolfcamp Wells

COG Acreage

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mcxico
Case No. 21343 Attachment D
Submitted by:
COG OPERATING LLC
Hearing Date: August 20, 2020



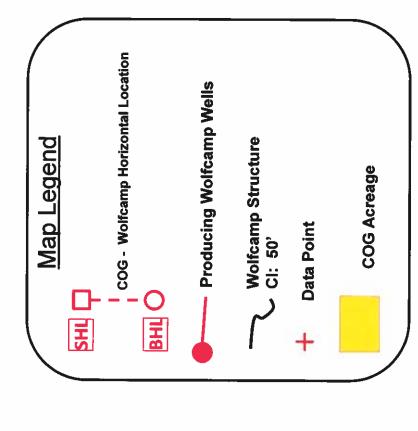
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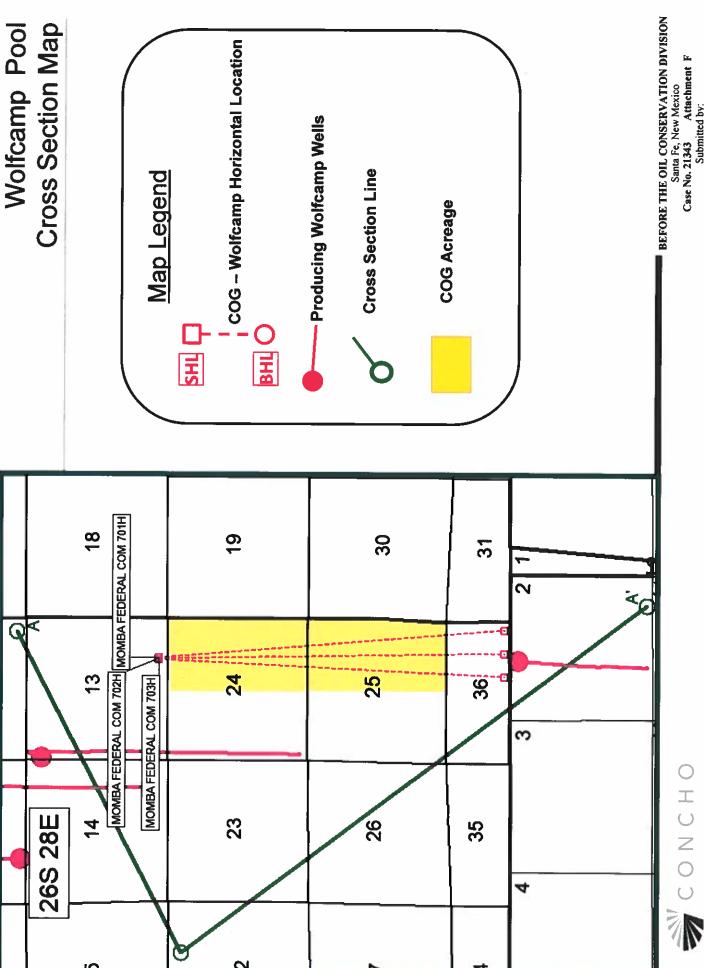
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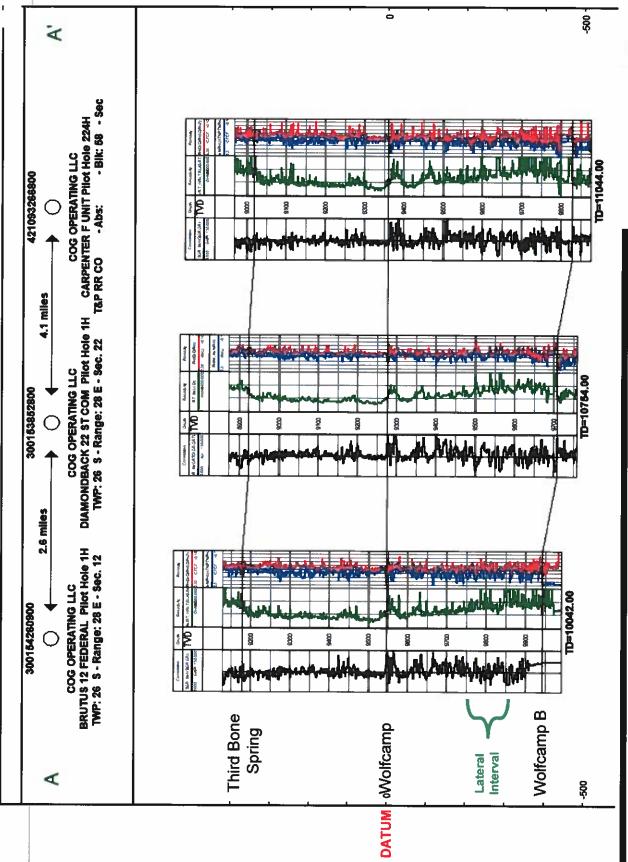


BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 21343 Attachment E
Submitted by:
COG OPERATING LLC
Hearing Date: August 20, 2020



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 21343 Attachment F
Submitted by:
COG OPERATING LLC
Hearing Date: August 20, 2020

Stratigraphic Cross Section A – A'





BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 21343 Attachment G
Submitted by:
COG OPERATING LLC
Hearing Date: August 20, 2020

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

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

CASE NO. 21343

AFFIDAVIT

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

Michael Rodriguez, attorney and authorized representative of COG Operating LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application were provided under the notice letter and proof of receipts attached hereto.

/s/ Michael Rodriguez

Michael Rodriguez

SUBSCRIBED AND SWORN to before me this 18th day of August 2020 by Michael Rodriguez.



BEFORE THE OIL CONSE

Hearing Date: August 20, 2020

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

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on July 9, 2020. During the COVID-19 Pubic 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: http://www.emnrd.state.nm.u s/OCD/announcements.html. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by June 30, 2020. Public documents, including the agenda and minutes, can be provided in various accessible formats. Members of the public may obtain copies of the docket by contacting Ms. Davidson at the phone number indicated above. Also, the docket will be posted on the Oil Conservation Division website at www.emnrd.state.nm.us/OCD/. Please contact Ms. Davidson if a summary or other type of accessible form is needed.

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To: All interested parties, including: Chevron U.S.A. Inc.; OXY USA Inc.; OXY Y-1 Company; EOG Resources, Inc.; Sharbro Energy, LLC; MRC Permian Company; Delaware Ranch, Inc.; Frank Blow Fowlkes; Tundra AD3, LP; J.M. Fowlkes, Jr.; Maco Stewart Fowlkes; Edwin H. Fowlkes III (aka Trey Fowlkes); Janet Renee Fowlkes Murrey; Kathleen Fowlkes Moller; John M. Fowlkes; Lauren Fowlkes Mattio; Nancy Fowlkes Donley; The Vlosich Trust; The Russell Carver Parchman & Barbara Bratton Parchman Trust; Penny Rae Harrison; Linda Gay Tenberg; Pardue Limited Company; Chisos Minerals, LLC; ABO Petroleum Corporation.

CASE 21343: Application of COG Operating LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation [Purple Sage Wolfcamp Gas Pool (98220)] underlying a standard 767.94-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24 and 25, and the E/2 of irregular Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

- the Momba Fed Com #701H well to be drilled from a surface hole location in SE/4 SE/4 (Unit P) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36;
 the Momba Fed Com #702H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SE/4 NE/4 (Lot 4) of Section 36; and
- the Momba Fed Com #703H well to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 13 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 36.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 13 miles south of Malaga, New Mexico.

June 25, 2020

Affidavit of Publication Ad # 0004246499 This is not an invoice

CONCHO 1048 PASEO DE PERALTA

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:

06/25/2020

Legal Clerk

Subscribed and sworn before me this June 25, 2020:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

Ad # 0004246499 PO #: NOP Momba # of Affidavits1

This is not an invoice

NANCY HEYRMAN Notary Public

State of Wisconsin



June 18, 2020

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

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Case No. 21343: Application of COG Operating, LLC for Compulsory Pooling,

Eddy County, New Mexico.

Momba Fed Com #701H, #702H, #703H wells

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 11, 2020, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. 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.

During the COVID-19 Pubic Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. To participate in the electronic hearing, please see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address 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.

If you have any questions about this matter, please contact Travis Macha, at (432) 683-7443 or TMacha@concho.com.

Sincerely,

Michael Rodriguez

ATTORNEY FOR COG OPERATING LLC

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Sharbro Energy, LLC

PS Form **3800**, April 2015 PSN 7530-02-0

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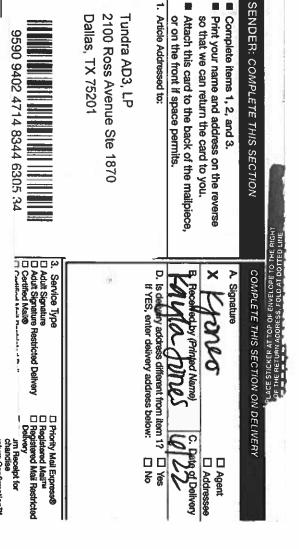
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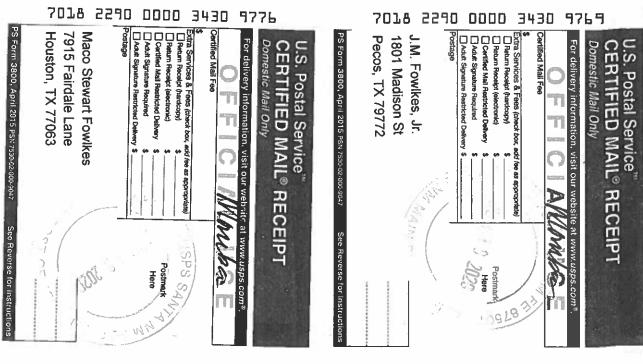
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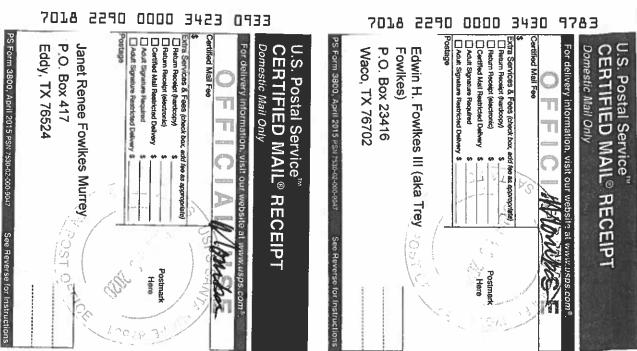
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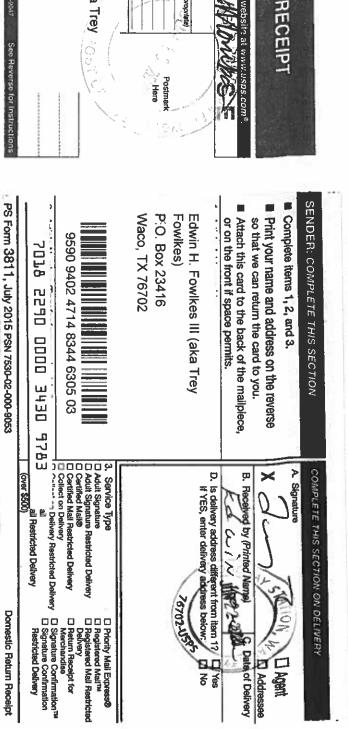
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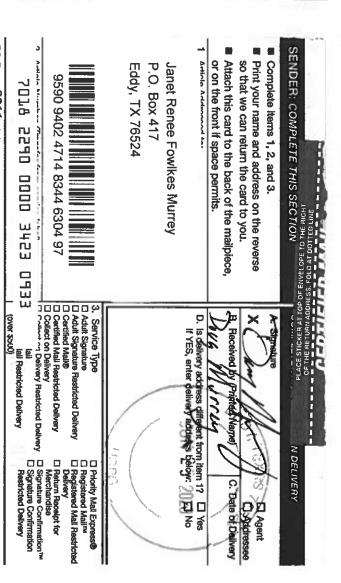
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		J.M. Fowlkes, Jr. 1801 Madison St Pecos, TX 79772
EAgent Addressee C. Data of Delivery EX-No	B. Received by (Printed Name) C. B. Is delivery address different from Item 17 If YES, enter delivery address below:	 Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to:







See Reverse for Instructions

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SENDER: COMPLETE THIS SECTION

Attach this card to the back of the mallpiece

or on the front if space permits

Springville, UT 84663

Kathleen Fowlkes Moller

Print your name and address on the reverse

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C. Date of Delivery

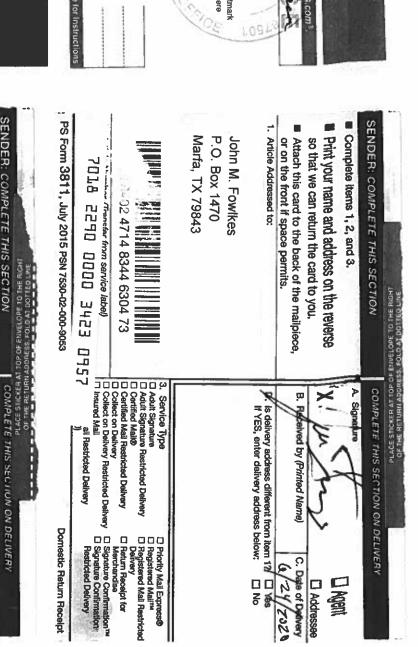
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☐ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

so that we can return the card to you.

■ Complete items 1, 2, and 3.



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3. Service Type

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7018 2290 0000 3423 **0**971 PS Form 3800, April 2015 PSN 7530-02-000-9047 Certified Mail Fee San Antonio, TX 78231 2506 Wilderness Hill Dr For delivery information, visit our website a' w vw.usps.com* Nancy Fowlkes Donley Domestic Mail Only CERTIFIED MAIL® RECEIPT U.S. Postal Service *** add fee as appropriate) See Reverse for Instructions POS) Postmark 1313

U.S. Postal Service

CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.ccm*

Certified Mall Fee

Strina Services & Fees (chack box, add fee as appropriate)

Certified Mall Receipt (hardcopy)

Return Receipt (hardcopy)

Adult Signature Required

Adult Signature Restricted Delivery \$

Lauren Fowlkes Mattio

2048 Timberline Drive

Naples, FL 34109

PS Form 3800, April 2015 PSN 7550-02000-9047

See Reverse for Instructions

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☐ Postage PS Form 3800, April 2015 PSN 7530-02-000-9047 Certified Mail Fee extra Services & Fees (check box, add fee as appropriate) 8040 Frankford Rd #317 Attn: Russell & Barbara Parchman, Trustees Bratton Parchman Trust Denton, TX 75252 The Russell Carver Parchman & Barbara For delivery information, visit our website at www.usps.com® Domestic Mail Only PS Form 3800, April 2015 PSN 7530-02-000-9047 Certified Mail Fee CERTIFIED MAIL® RECEIPT U.S. Postal Service Umatilla FL 32784 Attn: Daniel Vlosich, Trustee For delivery information, visit our website at 104 Twin Lakes Circle The Vlosich Trust Domestic Mail Only CERTIFIED MAIL® RECEIPT U.S. Postal Service Teleprotection T See Reverse for Instructions See Reverse for Instructions PC:S7 Postmark Here Postmark Here

■ Print your name and address on the verse

so that we can return the card to you...
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or on the front if space permits.

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Is delivery address different from item : If YES, enter delivery address/below: φ

Received by (Printed Name)

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Linda Gay Tenberg

Round Rock, TX 78664

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	Denton, TX 76207	Here
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B. Received by (Printed Name) C. Date of Delivery	the back of the mailpiece, bace permits.	0
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PS Form 3811, July 2015 PSN 7530-02-000-9053

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3. Service Type

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Restricted Delivery

2290 0000 7018 3423 7055 PS Form 38 Postage Certified Ma Extra Service Return Rec Return Rec Certified Mai For deliv U.S. Postal Service** CERTIFIED MAIL® RECEIPT P.O. E Domestic Mail Only Carlst Pardu

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.

A. Signature

C. Date of Delivery

☐ Addressee

COMPLETE THIS SECTION ON DELIVERY

Print your name and address on the reverse

PS Form 3800, April 2015 PSN 7530-02-000-5047 See Reverse for Instructions	Houston, TX 77002 Attn: Land Manager	Certified Mail Fee \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (handcopy)	U.S. Postal Service ¹⁷⁸ CERTIFIED MAIL® RECEIPT Domestic Mail Only For delivery information, visit our website at www.usps.com ² .	P.O. Box 2018 Carlsbad, NM 88221 Ps Form 3800, April 2015 PSN/930-02-000-0047 See Reverse for Instructions	Perturn Receipt (hardcopy) \$ Perturn Receipt (hardcopy) \$ Perturn Receipt (hardcopy) \$ Postmark	For delivery information, visit our website at www.usps.com* Certified Mail Fee
650T 624E 0000 0622	9590 9402 5751 0003 3967 73	Attach this card to the back of the malipiece, or on the front if space permits. Chisos Minerals, LLC 1111 Bagby Street, Suite 2150 Houston, TX 77002 Attn: Land Manager	SJANE	9590 9402 5751 0003 3967 80 Anti-Anti-Anti-Art Transfer from service labell 7018 2290 0000 3423 1022 PS Form 3811, July 2015 PSN 7530-02-000-9053	loope is	so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to:
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PS Form 3811, July 2015 PSN 7530-02-000-9053	9407 E24E 0000 0622 9402	9590 9402 5751 0003 3967 66	ABO Petroleum Corporation 1111 Bagby, Sky Lobby 2 Houston, TX 77002	1 Article Arthreeced to	 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	SENDER: COMPLETE THIS SECTION APPROPRIATE THIS SECTION
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