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. 22371

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EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibi	it A	Self-Affirmed Statement of Ashley Roush				
	A-1	Application & Proposed Notice of Hearing				
	A-2	C-102(s)				
	A-3	Plat of Tracts, Ownership Interests, Pooled Parties, Unit Recapitular				
	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				
Exhibi	t B	Self-Affirmed Statement of Jason Hanzel				
	B-1	Location Map				
	B-2	Structure Map				
	B-3	Cross Section Map				
	R_1	Cross Section				

ALL INFORMATION IN THE ADDITION IN	MUST BE SUPPORTED BY SIGNED AFFIDAVITS
Case No.:	22371
Hearing Date:	The control of the co
Applicant	1/6/2022
Designated Operator & OGRID	COG Operating LLC OGRID # 229137
Applicant's Counsel	
Case Title	Hinkle Shanor LLP
case Title	Application of COG Operating, LLC for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors	County, New Mexico
Well Family	Hambone
Formation/Pool	
Formation Name(s) or Vertical Extent	Bone Spring
Primary Product (Oil or Gas)	Oil
Pooling this vertical extent	Bone Spring
Pool Name and Pool Code	Corral Canyon; Bone Spring, South Pool (13354)
Well Location Setback Rules	Statewide
Spacing Unit Size	280-acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	280-acres
Building Blocks	quarter-quarter
Drientation	Standup
Description: TRS/County	E/2W/2 of Section 5, the E/2NW/4 and NE/4SW/4 of Section 8,
	Township 26 South, Range 29 East, Eddy County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No,	Yes
describe	
Other Situations	
Depth Severance: Y/N. If yes, description	N
Proximity Tracts: If yes, description	-
Proximity Defining Well: if yes, description	-
Vell(s)	
Name & API (if assigned), surface and bottom hole	Add wells as needed
ocation, footages, completion target, orientation,	
ompletion status (standard or non-standard)	
Vell #1	Hambone #505H (API # pending)
	SHL – S8-T26S-R29E, 1553 FSL, 1725 FWL OR UNIT K
	BHL – S5-T26S-R29E, 50 FNL, 2310 FWL OR UNIT C
	Completion Target: Bone Spring formation
	TVD: Approx. 8400'
orizontal Well First and Last Take Points	Exhibit A-2
ompletion Target (Formation, TVD and MD)	Exhibit A-4
FE Capex and Operating Costs	
rilling Supervision/Month \$	8000
roduction Supervision/Month \$	800
ustification for Supervision Costs	Exhibit A
equested Risk Charge	200%
otice of Hearing	
roposed Notice of Hearing	Exhibit A-1
Toposed Notice of Flearing	

Exhibit A-7

roof of Mailed Notice of Hearing (20 days before hearing) Exhibit A-6 roof of Published Notice of Hearing (10 days before

earing)

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Ownership Determination	
and Ownership Schematic of Spacing Unit	Exhibit A-3
Fract List (including lease numbers & owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Jnlocatable Parties to be Pooled	Exhibit A-3
Ownership Depth Severance	Exhibit A
oinder	
ample Copy of Proposal Letter	Exhibit A-4
ist 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
ost Estimate to Equip Well	Exhibit A-4
ost Estimate for Production Facilities	Exhibit A-4
ieology	
ummary (including special considerations)	Exhibit B
pacing Unit Schematic	Exhibit B-1
iunbarrel/Lateral Trajectory Schematic	Exhibit B-4
Vell Orientation (with rationale)	Exhibit B
arget Formation	Exhibit B
SU Cross Section	Exhibit B-3
epth Severance Discussion	N/A
orms, Figures and Tables	IV/A
-102	Exhibit A-2
racts	Exhibit A-3
ummary of Interests, Unit Recapitulation (Tracts)	
eneral Location Map (including basin)	Exhibit A-3
/ell Bore Location Map	Exhibit B-1
cructure Contour Map - Subsea Depth	Exhibit B-1
ross Section Location Map (including wells)	Exhibit B-2
ross Section (including Landing Zone)	Exhibit B-2
dditional Information	Exhibit B-3
errification: I hereby certify that the information rovided in this checklist is complete and accurate. Finted Name (Attorney or Party Representative):	Dama S. Hardy
gned Name (Attorney or Party Representative):	word J. Houdy
ate:	1/4/2022

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

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

CASE NO. 22371

SELF-AFFIRMED STATEMENT OF ASHLEY ROUSH

- I am a land supervisor 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 in the Corral Canyon; Bone Spring, South Pool (13354) within the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the E/2W/2 of Section 5, the E/2NW/4 and NE/4SW/4 of Section 8, Township 26 South, Range 29 East, Eddy County, New Mexico ("Unit").
- 5. The Unit will be dedicated to the **Hambone Federal Com #505H** well ("Well") to be horizontally drilled from a surface hole location in the NE/4SW/4 (Unit K) of Section 8 to a bottom hole location in the NE/4NW/4 (Unit C) of Section 5.
 - 6. The completed interval of the Well will be orthodox.

COG OPERATING LLC

Case No. 22371

Exhibit A

- 7. **Exhibit A-2** contains the C-102 for the Well.
- 8. **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 highlighted in yellow.
- 9. **Exhibit A-4** contains a sample well proposal letter and AFEs sent to working interest owners for the Well. The estimated costs reflected on the AFE 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.
- 10. COG has conducted a diligent search of all county public records including phone directories and computer databases.
 - 11. All interest owners COG seeks to pool are locatable.
- 12. In my opinion, COG made a good-faith effort to reach voluntary joinder of uncommitted interests in the Well as indicated by the chronology of contact described in Exhibit A-5.
- 13. COG requests overhead and administrative rates of \$8,000 per month while the Well is being drilled and \$800 per month while the Well is producing. These rates are fair and are comparable to the rates charged by COG and other operators in the vicinity.
- 14. Notice of this application and the Division hearing was timely provided to the 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**.
- 15. 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.

- The exhibits attached hereto were either prepared by me or under my supervision 16. or were compiled from company business records.
- In my opinion, the granting of COG's application would serve the interests of 17. conservation, the protection of correlative rights, and the prevention of waste.
- I understand this Self-Affirmed Statement will be used as written testimony in this 18. case. I affirm that my testimony in paragraphs 1 through 17 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.

Ashley Roush

<u>/</u>4/2022 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.	22371
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APPLICATION

Pursuant to NMSA § 70-2-17, COG Operating LLC ("Applicant") (OGRID No. 229137) applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the E/2W/2 of Section 5, the E/2NW/4 and NE/4SW/4 of 8, Township 26 South, Range 29 East, Eddy County, New Mexico ("Unit"). In support of its application, Applicant states:

- 1. Applicant is a working interest owner in the Unit and has the right to drill wells thereon.
- 2. The Unit will be dedicated to the **Hambone** #505H well to be horizontally drilled from a surface hole location in the NE/4SW/4 (Unit K) of Section 8 to a bottom hole location in the NE/4NW/4 (Unit C) of Section 5.
 - 3. The completed interval of the Well will be orthodox.
- 4. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Well but has been unable to obtain voluntary agreements from all of the interest owners.
- 5. The pooling of uncommitted interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

COG OPERATING LLC

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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 Well and Unit.

WHEREFORE, Applicant requests this application be set for hearing on January 6, 2022, and that after notice and hearing, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Well in the Unit;
- C. Designating Applicant as operator of the Unit and the Well to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping and completing the Well;
- 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 Well against any working interest owner who does not voluntarily participate in the drilling of the Well.

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
dhardy@hinklelawfirm.com
mrodriguez@hinklelawfirm.com
Counsel for COG Operating LLC

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Application of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the E/2W/2 of Section 5, the E/2NW/4 and NE/4SW/4 of 8, Township 26 South, Range 29 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Hambone #505H well to be horizontally drilled from a surface hole location in the NE/4SW/4 (Unit K) of Section 8 to a bottom hole location in the NE/4NW/4 (Unit C) of Section 5. Also, to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as the operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 10.4 miles south of Malaga, New Mexico.

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FR. NM 87505 Phone: (505) 476-3480 Fax: (505) 476-3482

6 Y=361953.2 N X=642682.2 E Y=387306.2 N X=642647.7 E Y=392610.2 N JULY 3, 2019 7 Date of Survey Released to Imaging: 1/4/2022 3:54:43 PM 8 X=642555.7 E Signature & Seal of Professional Surveyor CHAD L. HARCRO EN MEXICO 1420' FSL & 2310' FWL - Y=383383.7 N LICENSED OR 1725 X=642269.8 E LAT.=32.053583* N LONG.=104.007544* W POTESSIONAL GRID AZ. TO FTP 104"04"04" 553 Marion Certificate No. CHAD HARCROW 17777 6 W.O. #20-1449 DRAWN BY: AH

State of New Mexico DISTRICT I Energy, Minerals & Natural Resources Department 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 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, New Mexico 87505

COG OPERATING LLC Case No. 22371 Exhibit A-2

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

□ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION PLAT	
API Number	Pool Code Pool Name	
Property Code	Property Name HAMBONE FEDERAL COM	Well Number 505H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 2894.7'

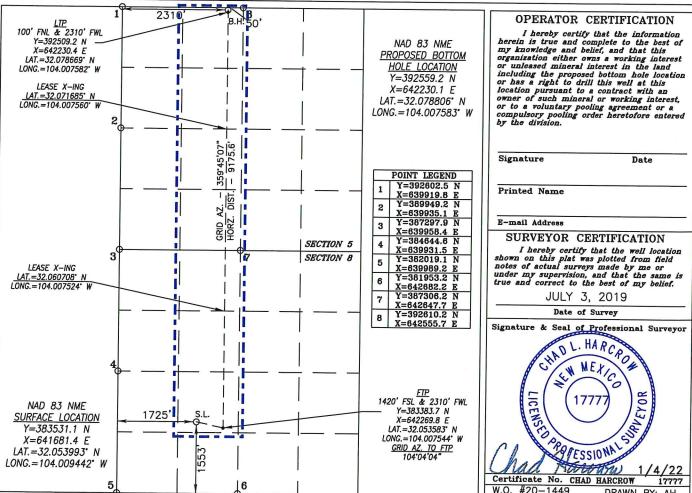
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	8	26-S	29-E		1553	SOUTH	1725	WEST	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
С	5	26-S	29-E		50	NORTH	2310	WEST	EDDY
Dedicated Acre	s Joint o	r Infill Co	nsolidation (Code Ore	der No.				

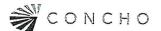
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



WORKING INTEREST OWNER	TRACT 2	TRACT 4	TRACT 5	TRACT 6	TRACT 8	TRACT 11	UNIT RECAP
COG Operating LLC	0.14285714	0.27142857	0.00000000	0.13571429	0.13392857	0.00892857	0.69285715
Concho Oil & Gas LLC	0.00000000	0.01428571	0.00000000	0.00714286	0.00000000	0.00000000	
MRC Permian Company	0.00000000	0.00000000	0.14285714	0.00000000	0.00000000	0.00000000	0.02142857
Devon Energy Production Co.	0.00000000	0.00000000	0.00000000	0.14285714	0.00000000	0.00000000	0.14285714
		0.0000000	0.00000000	0.14283714	0.00000000		0.14285714
						TOTAL	1.00000000
Well Proposal Sent	Yes						
Communitization Agmts Sent	Yes						
Joint Operating Agmt Sent	Yes						
DARTIES TO BOOK							
PARTIES TO POOL MRC Permian Company	INTEREST TYPE						
5400 LBJ Freeway Suite 1500, Dallas, TX 75240	1411 0 0= 10						
Devon Energy Production Company, LP	WI & RT (State)						
333 W. Sheridan Avenue, OKC, OK 73102	wi						
M. Brad Bennett, L.P.	33.1						
Attn: Beau Bennett, PO Box 50820, Midland, TX 79710	RI						
Debra Kunkel							
PO Box 28504, Austin TX 78755	RI						
Grizzly Operating, LLC							
5847 San Felipe, Ste 3000, Houston, TX 77057	RT (Fed) & ORRI						
Contango Resources Inc.							
PO Box 735060, Dallas, TX 75373	RT(Fed) & ORRI						

COG OPERATING LLC

Case No. 22371



September 20, 2021

Via Certified Mail 9489 0090 0027 6357 7569 00 and Electronic Mail to Andrew. Wenzel@dvn.com Devon Energy Production Company, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102 Attn: Land Department

Eddy County, New Mexico

HAMBONE FED COM 505H Re: E2W2 of Sec. 5 and E2NW & NESW of Sec. 8, T26S-R29E HAMBONE FED COM 506H W2W2 of Sec. 5 and W2NW & NWSW of Sec. 8, T26S-R29E

Dear Sir or Madam:

COG Operating, LLC ("COG"), as Operator, hereby proposes the drilling of the following horizontal wells:

- Hambone Fed Com 505H, to be drilled to a depth sufficient to test the Second Bone Spring formation at an approximate total vertical depth of 8,400'. The surface location for this well is proposed at a legal location in Unit K of Section 8, T26S-R29E, and a bottom hole location at a legal location in Unit C of Section 5, T26S-R29E. The dedicated horizontal spacing unit will be the E2W2 of Section 5 and E2NW4 & NE4SW4 of Section 8, T26S-R29E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$6,126,190.00, as shown on the attached AFE.
- Hambone Fed Com 506H, to be drilled to a depth sufficient to test the Second Bone Spring formation at an approximate total vertical depth of 8,400'. The surface location for this well is proposed at a legal location in Unit L of Section 8, T26S-R29E, and a bottom hole location at a legal location in Unit D of Section 5, T26S-R29E. The dedicated horizontal spacing unit will be the W2W2 of Section 5 and W2NW4 & NW4SW4 of Section 8, T26S-R29E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$6,126,190.00, as shown on the attached AFE.

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

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 Austin. Kuenstler@conocophillips.com. Should you have any questions. please do not hesitate to contact me at 432.688.6648.

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 | P 432.683.7443 | F 432.683.7441

COG OPERATING LLC

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Page 2 - September 20, 2021 Hambone Fed Com 505H, 506H

Sincerely,

COG Operating LLC

Austin Kuenstler Senior Land Negotiator

AK: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
Hambone Fed Com 505H		
Hambone Fed Com 506H		

DEVON ENERGY PRODUCTION COMPANY, L	DEVON	ENERGY	PRODUCTION	COMPANY.	LP
------------------------------------	-------	---------------	-------------------	----------	----

Ву:	
Name:	, , , , , , , , , , , , , , , , , , , ,
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	HAMBONE FED COM 505H	PROSPECT NAME:	Atlas 2629
SHL:	8-26S-29E, 1553 FSL, 1725 FWL OR UNIT N	STATE & COUNTY:	New Mexico, Eddy
BHL:	5-26S-29E, 50 FNL, 2310 FWL OR UNIT C	OBJECTIVE:	D&C
FORMATION:	2BSS	DEPTH:	18,200
LEGAL:	E2W2 of Sec. 5, E2NW & NESW of Sec. 8, T26S-R29E	TVD:	8,400

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COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	HAMBONE FED COM 506H	PROSPECT NAME:	Atlas 2629
SHL:	8-26S-29E, 1553 FSL, 1695 FWL OR UNIT M	STATE & COUNTY:	New Mexico, Eddy
BHL:	5-26S-29E, 50 FNL, 990 FWL OR UNIT D	OBJECTIVE:	D&C
FORMATION:	2BSS	DEPTH:	18,200
LEGAL:	W2W2 of Sec. 5, W2NW4 & NWSW of Sec. 8, T26S-R29E	TVD:	8,400

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OS Operating LLC	2,565.690	3,560,500	0	0	6,126,1
	42%	58%	0%	0%	
Date	Prepared:	9/13/21			
e approve;	Operating LLC				
% Working Interest		RSL		_	
ompany:					
inted Name:					
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COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	HAMBONE FED COM 505H	PROSPECT NAME:	Atlas 2629
	8-26S-29E, 1553 FSL, 1725 FWL OR UNIT N	STATE & COUNTY:	New Mexico, Eddy
	5-26S-29E, 50 FNL, 2310 FWL OR UNIT C	OBJECTIVE:	D&C
FORMATION:	_2BSS	DEPTH:	18,200
LEGAL:	E2W2 of Sec. 5, E2NW & NESW of Sec. 8, T26S-R29E	TVD:	8,400

INTANGIBLE COSTS		Drlg - Rig Release(D)		Completion(C)	Tank Btty Constrctn(TB)	Pmpg Equipment(PEQ)	TOTAL
Title/Curative/Permit Insurance	201	20,000	_				20,00
Damages/Right of Way	202		302				2,50
Survey/Stake Location	203	20,000	_				20,00
Location/Pits/Road Expense	204	7,000	_				87,00
Drilling / Completion Overhead	205	165,000			-		170,00
Turnkey Contract	206	4,800	_				17,30
Footage Contract	207			705,000			705,00
Daywork Contract	208	000.000	_	271,000			271,00
Directional Drilling Services	210	363,000	_	260,000			623,00
Fuel & Power	211	206,000	_	378,000			584,00
Water	212		-	31,000	V C. IV CALLET WAY OF THE CO.		132,00
Bits	213	63,000	_	392,000			455,00
Mud & Chemicals	214	59,000	_	0			59,00
Drill Stem Test	215	80,000	_	0			80,00
Coring & Analysis	216	0	-	270,000			270,00
Cement Surface	217	0	-				
Cement Intermediate	217	16,500	-			9	16,50
Cement 2nd Intermediate/Production		28,600	-		artistic and the second	8	28,60
Cement Squeeze & Other (Kickoff Plug)	219	132,990	-				132,99
Float Equipment & Centralizers	220	0	-			WINDS AND THE PARTY OF THE PART	
Casing Crews & Equipment	221	50,000	-				50,00
Fishing Tools & Service	222	55,000	•				55,000
Geologic/Engineering	223	0	-	0			
Contract Labor	224 -	0.500		0			
Company Supervision	225	6,500	•	2,000			8,500
Contract Supervision	226 _	28,800	•	15,000		•	43,800
	227 _	66,000	• 7	110,000			176,000
Testing Casing/Tubing	228	40,000		0			40,000
Mud Logging Unit Logging	229	18,000	329	40,000			58,000
	230	0		0			
Perforating/Wireline Services	231	0	• 1	199,000			199,000
Stimulation/Treating			332	0			
Completion Unit			333	0			C
Swabbing Unit			334	0			0
Rentals-Surface	235	100,000	335	0			100,000
Rentals-Subsurface	236	120,000	336	0			120,000
Trucking/Forklift/Rig Mobilization	237	200,000	337	10,000			210,000
Welding Services	238	3,000	338	0			3,000
Vater Disposal	239	0	339	20,000			20,000
Plug to Abandon	240	0	340	0		公司	
Seismic Analysis	241	0	341	0			0
Miscellaneous	242		342	3,000			3,000
Contingency	243	62,000	343	76,000			138,000
Closed Loop & Environmental	244	164,000	344	0			164,000
uel - Diesel	245	0	345	278,000			278,000
Coil Tubing			346	241,000			241,000
lowback Crews & Equip			347	10,000			10,000
Offset Directional/Frac	248 _	0	348	0			0
TOTAL INTANGIBLES		2,182,690		3,408,500	0	0	5,591,190
ANOIDI E ACOTO							
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turface Casing	401	15,000	<u> 1</u>				15,000
ntermediate Casing	402	73,000	3				73,000
roduction Casing/Liner	403	230,000	1				230,000
ubing	E		504	52,000			52,000
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	-	Date Prepared: COG Operating LLC This AFE is only an estin of the actual costs incurred.	COG Operating LLC	COG Operating LLC RSL This AFE is only an estimate. By signing you agree to pay your shar	COG Operating LLC RSL This AFE is only an estimate. By signing you agree to pay your share	COG Operating LLC RSL This AFE is only an estimate. By signing you agree to pay your share

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Hambone Fed Com 505H-Chronology Efforts

9.20.21	Well proposals to MRC Permian (502H, 505H, 506H)
	Well proposals to Devon (505H)

Federal Communitization Agreements (501H, 502H, 505H, 10.12.21 506H) to applicable parties

State Communitization Agreements (502H, 505H, 506H) to applicable parties

Ratifications of Federal Communitization Agreements (501H, 502H, 505H, 506H) sent to applicable parties

Designation of Pooled Unit (505H, 506H) sent to applicable parties

10.18.21 OA Mailed to potential WIOs

Additional Pooling Agreements (Pooling Agmt, CA, Ratification of DPU) sent to applicable parties - see separate tab for tracking

10.26.21 Revised Ex A (correcting "C" and "D" interest) sent to parties

10.26.21-

present Ongoing OA negotiations

COG OPERATING LLC

Case No. 22371





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

November 23, 2021

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

TO ALL INTERESTED PARTIES SUBJECT TO NOTICE

Re: Case No. 22371 - Application of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **January 6**, **2022** 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: https://www.emnrd.nm.gov/ocd/hearing-info/. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

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 submitted through the OCD E-Permitting system (https://www.apps.emnrd.state.nm.us/ocd/ocdpermitting/) 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

COG OPERATING LLC

Case No. 22371

Exhibit A-6

PO BOX 10 ROSWELL, NEW MEXICO 88202 575-622-6510 (FAX) 575-623-9332 PO BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

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



	COMPLETE THIS SECTION ON DELIVERY		
 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. 1. Article Addressed to: M. Brad Bennett, L.P. Attn: Beau Bennett P.O. Box 50820 Midland, TX 79710 	A. Signature M. M. Chelle Cas muna D. Is delivery address different from If YES, enter delivery address I	☐ Agent ☐ Addressee C. Date of Delivery I\/29/2\ nitem 1? ☐ Yes pelow: ☐ No	
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SENDER; COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
 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. 1. Article Addressed to: Marathon Oil Permian LLC 5555 San Felipe St. Houston, 1 X 77056 	B. Received by (Printed Name) D. Is delivery address different from If YES, enter delivery address	
9590 9402 6746 1074 2194 30	3. Service Type Adult Signature Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail	☐ Priority Mail Express® ☐ Registered Mail [™] ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation [™] ☐ Signature Confirmation Restricted Delivery

 ■ 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. 1. Article Addressed to: L.E. & Nicolette A. Opperman 500 W. Texas Ave., Ste. 830 Midland, TX 79701 	A. Signature M. B. Received by (Printed Name) D. Is delivery address different from If YES, enter delivery address	
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9590 9402 6746 1074 2194 54 2. Article Number (Transfer from service label) 7020 2450 0002 1364 8750	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Contified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail Insured Mail Restricted Delivery (over \$500)	☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricte Delivery☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery







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

> Beginning with the issue dated December 07, 2021 and ending with the issue dated December 07, 2021.

Publisher

Sworn and subscribed to before me this 7th day of December 2021.

Business Manager

My commission expires

January 29, 2023

OFFICIAL GEAL Gussie Black Notary Public State of New Mexico My Commission Expires/-29

nis newspaper is duly qualified to publish fegal notices or advertisements within the neaning of Section 3, Chapter 167, Laws of 937 and payment of fees for said

LEGAL

LEGAL

LEGAL NOTICE December 7, 2021

This is to notify all interested parties, including M. Brad Bennett, LP, Debra Kunkel, L.E. Opperman; Nicolette A. Opperman; Grizzly Operating, LLC; Marathon Oil Permian LLC; MRC Permian Company; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by COG Operating LLC (Case No. 22371). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on January 6, 2022 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for that date: https://www.emnrd.nm.gov/ocd/hearing-info/. Applicant applies for an order pooling all Applicant applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the E/2W/2 of Section 5, the E/2W/4 and NE/4SW/4 of 8, Township 26 South, Range 29 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Hambone #505H well to be horizontally drilled from a surface hole location in the NE/4SW/4 (Unit K) of Section 8 to a bottom hole location in the NE/4NW/4 (Unit C) of Section 5. Also, to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as the operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 10.4 miles south of Malaga, New Mexico. #37101

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GILBERT HINKLE, SHANOR LLP PO BOX 2068 SANTA FE, NM 87504

COG OPERATING LLC

Case No. 22371

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. 22371

SELF-AFFIRMED STATEMENT OF JASON HANZEL

- 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 previously testified before the New Mexico Oil Conservation Division ("Division"), and my credentials as an expert in petroleum geology matters were accepted and made a matter of record.
 - 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 Bone Spring formation. The approximate wellbore paths for the proposed **Hambone** #505H well ("Well") is represented by an dashed line. Existing producing wells in the targeted interval are represented by solid lines.
- 4. **Exhibit B-2** is a subsea structure map for the top of the formation that is representative of the targeted interval within the formation. The data points are indicated by crosses. The approximate wellbore path for the Well is depicted by a dashed line. The map demonstrates the formation is gently dipping to the east in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

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Exhibit B

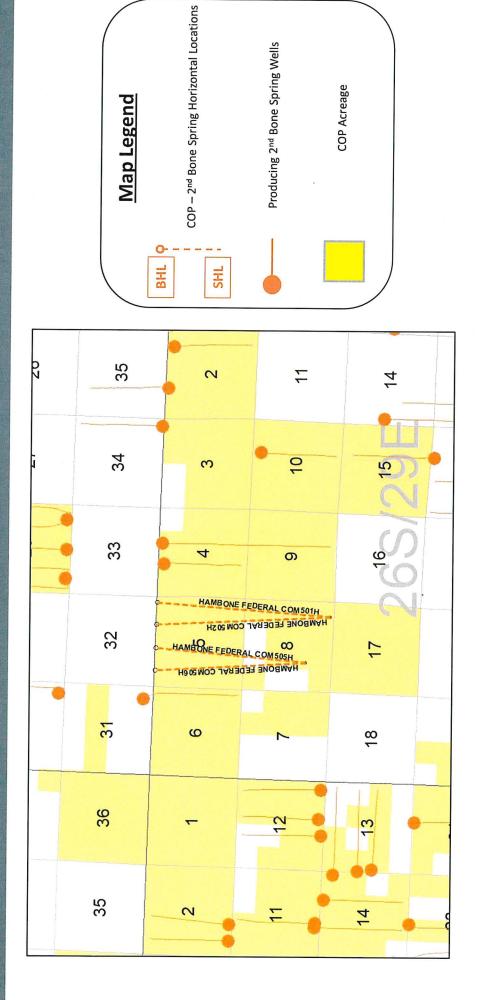
- 5. **Exhibit B-3** identifies three wells penetrating the targeted interval I used to construct a stratigraphic cross-section from A to A'. I used these well logs because they penetrate the targeted interval, are of good quality, and are representative of the geology in the area.
- 6. Exhibit B-4 is a stratigraphic cross-section using the representative wells identified on Exhibit B-3. It contains gamma ray, resistivity and porosity logs. The proposed landing zone for the Well is labeled on the exhibit. This cross-section demonstrates the target interval is continuous across the Unit.
- 7. In my opinion, a standup orientation for the Well is appropriate to properly develop the subject acreage because of consistent rock properties throughout the Unit and the lack of preferred fracture orientation in this portion of the trend.
- 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 Well.
- 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.
- It 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.

Jason Hanzel

Received by OCD: 1/4/2022 3:48:03 PM

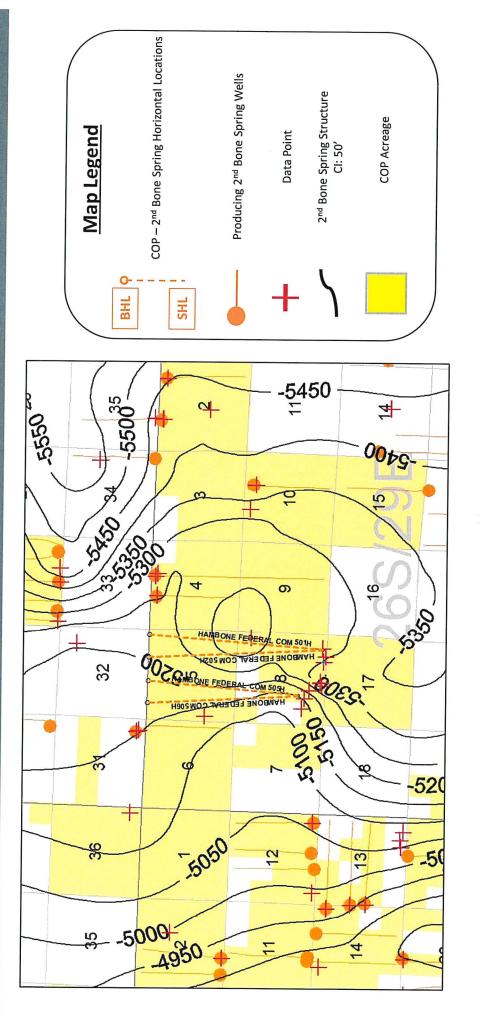
14/2022 Date

Hambone Federal Com



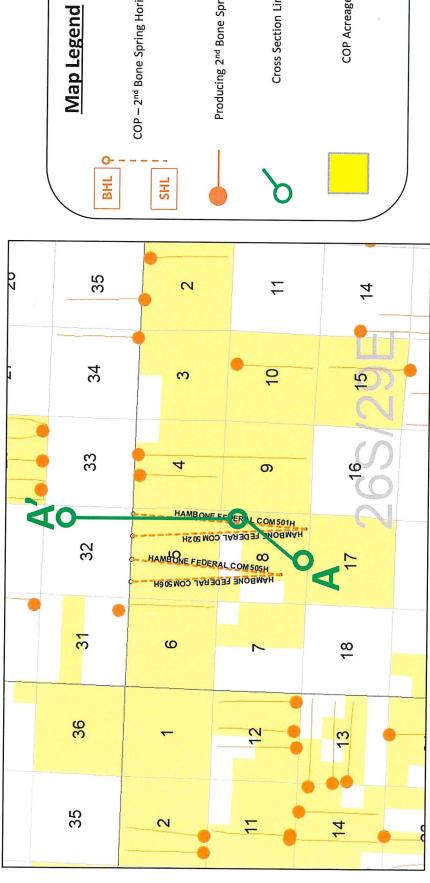
ConocoPhillips

Top of BS2S Structure Map



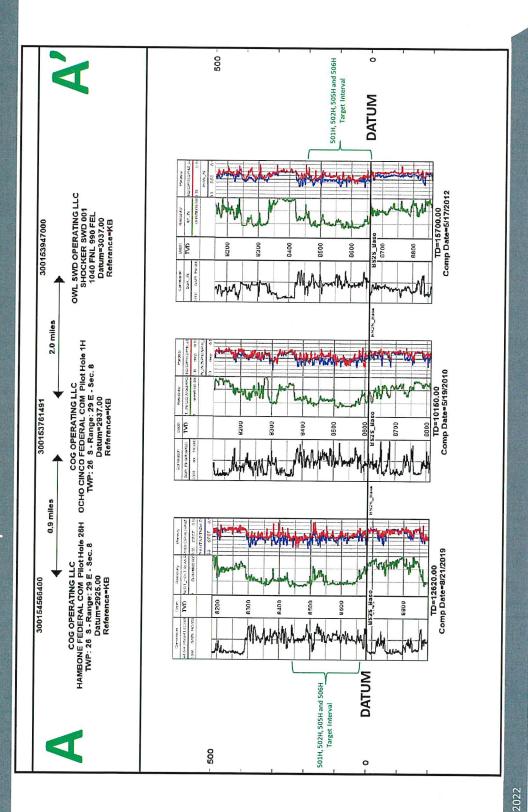
ConocoPhillips

Cross Section Map



COP - 2nd Bone Spring Horizontal Locations Producing 2nd Bone Spring Wells **Cross Section Line** COP Acreage ConocoPhillips

Top of BS2S Structure Map



ConocoPhillips