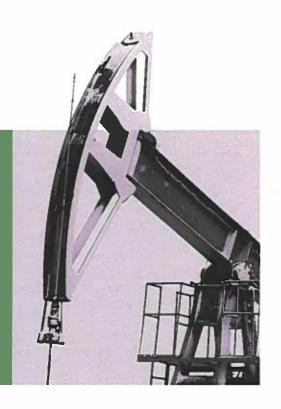


Before the Oil Conservation Commission

November 4, 2020

Case No. 21321

MASTIFF WELLS LEA COUNTY, NEW MEXICO





APPLICATION OF COG OPERATING LLC CASE NO. 20923

BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 1
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

DISTRICT I
1025 N. FRENCH DR., HOBBS, NM 80240
Phone: (575) 503-6161 Fax: (676) 505-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 80210
Phone: (575) 746-1263 Fax: (575) 746-9720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 80210
Phone: (575) 746-1263 Fax: (575) 748-9720

1220 SOUTH ST. FRANCIS DR.

1220 SOUTH ST. FRANCIS DR.

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District Office

DISTRICT III 1000 RIO BRAZOS I Phone: (505) 334-61	RD., AZTEC, N 78 Pax: (505)	IM B7410 334-6170	\$	Santa I		District			
DISTRICT IV 1220 S. SI. FRANCIS Phone: (505) 478-34	DR., SANTA FE, 60 Pex: (505)	NM 87505 478-3462						□ AMEND	ED REPORT
			WELL LO	CATION	AND ACREA	AGE DEDICATI	ON PLAT		
API	Number			Pool Code			Pool Name		
Property	Code					Well Nun	aber		
					MASTIFI	?		20	1H
OGRID N	0.			CO	Elevation				
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Jdn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	24-5	32-E		50	NORTH	330	EAST	LEA
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	24-S	32-E		50	SOUTH	330	EAST	LEA
Dedicated Acre	s Joint o	r Infill Co	nsolidation	Code Or	der No.				
NO ALLO	OWABLE W	TILL BE AS	SSIGNED '	TO THIS	COMPLETION I	UNTIL ALL INTER	RESTS HAVE BI	EEN CONSOLIDA	ATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4 LOT 3 LOT 2 50'Y OPERATOR CERTIFICATION	
LOT 4 LOT 3 LOT 2 50' S.L 330' OPERATOR CERTIFICATION	N
I hereby certify that the informal herein is true and complete to the best my knowledge and belief, and that this organisation either owns a working interest in the lan including the proposed bottom hole location pursuant to a contract with an owner of such mineral or working interest or to a voluntary pooling agreement or compulsory pooling order heretofore entry the division.	t of rest d ntion est,
Signature Date	_
Printed Name	—
E-mail Address	— [
SURVEYOR CERTIFICATION	
SECTION 4 I hereby certify that the well local shown on this plat was plotted from file notes of actual surveys made by me or under my supervision, and that the same true and correct to the best of my beli	id ne is
Date of Survey	
Signature & Seal of Professional Sur	veyor
B.H. 330' Certificate No. CHAD HARCROW 1	7777
50' 330' Cerditate No. CHAD HARCROW I	

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 746-9720

DISTRICT I

State of New Mexico

Phone: (676) 593-6181 Fax: (676) 593-6720

Energy, Minerals & Natural Resources Department State of New Mexico OIL CONSERVATION DIVISION

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

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DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87606 Phone: (505) 476-3460 Fax: (505) 476-3462

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

☐ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION	ON PLAT
API Number	Pool Code	Pool Name
Property Code	Property Name MASTIFF	Well Number 202H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	24-5	32-E		50	NORTH	1310	EAST	LEA

Bottom Hole Location If Different From Surface

[UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
	Ρ	9	24-S	32-E		50	SOUTH	1310	EAST	LEA
	Dedicated Acres Joint or Infill Consolidation Code Or			der No.						
[ļ		1					

LOT 4 LOT 3	50' S.L. 1310'	OPERATOR CERTIFICATION
39.67 Ac 39.55 Ac	LOT 2 LOT 1 39.62 Ac 39.82 Ac	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest
		or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
		Signature Date
		Printed Name
		E-mail Address
SECTION 4		SURVEYOR CERTIFICATION
SECTION 9		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	├	Date of Survey
		Signature & Seal of Professional Surveyor
	в.н. 50' 1310'	Certificate No. CHAD HARCROW 17777
	50', 1310'	W.O. # 20-286 DRAWN BY: DS

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 86240
Phone: (676) 748-1283 Fax: (676) 748-9720

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. State of New Mexico

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

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6176 Pax: (505) 334-6170

DISTRICT IV

☐ AMENDED REPORT

1220 S. ST. FRANCIS D. Phone: (505) 476-348	C., SANIA FE,	478-3462							
	, ,		WELL LO	CATION	AND ACREA	AGE DEDICATI	ON PLAT		
API i	Number		1	Pool Code			Pool Name		
		1							
Property Code Property Name							Well Nun		
MASTIFF FEDERAL COM									1 H
OGRID No. Operator Name								Elevatio	
COG OPERATING, LLC								367	5.3'
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
11	4	24-S	32-E		270	NORTH	330	EAST	LEA
•			Bottom	Hole Loc	ation If Diffe	erent From Sur	face		1
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	9	24-S	32-E		50	SOUTH	330	EAST	LEA
Dedicated Acres Joint or Infill Consolidation Code Order No.									
NO 1110	70.50.50	1				IMTH ALL INTER			

COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

F.						
	NAD 83 NME <u>SURFACE LOCATION</u> Y=456427.0 N X=745743.2 E LAT.=32.253063' N LONG.=103.672119' W	Y=456674.8 N X=743428.7 E LOT 4 LOT 3 39.67 Ac 39.55 Ac	LOT 2 39.62 Ac	270 S.L.0 LOT 1 39.82 As	Y=456700.2 N X=746071.4 E 330' EIP 100' FNL & 330' FEL Y=456597.0 N X=745742.1 E LAT.=32.253530' N LONG.=103.672119' W GRID AZ. TO FTP 359'37'22'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	·			 		Signature Date Printed Name
		SECTION 04 SECTION 09		-179.37'23" -1-10402.6	À	E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 3, 2019 Date of Survey
	NAD 83 NME <u>PROPOSED BOTTOM</u> HOLE LOCATION			GRID AZ. HORZ. DIST	LEASE X-ING LAT.=32.232054° N LONG.=103.672108° W LIP 100' FSL & 330' FEL	Signature & Seal of Professional Surveyor CHARCAO MEXIC 17777 20 20 20 20 20 20 20 20 20
	Y=446194.6 N X=745810.5 E LAT.=32.224936' N LONG.=103.672105' W	<u>Y=446126.8 N</u> X=743489.98 E		50. B.H.	Y=446244.6 N X=745810.2 E LAT.=32.225073' N LONG.=103.672105' W 330' Y=446147.2 N X=746140.8 E	17777 ESSIONA LESSIONA LESSIONA

DISTRICT I 1625 N. PRENCH DR., HOBBS, NM 88240 Phone: (575) 193-8181 Faz: (576) 393-0720 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 68210 Phone: (675) 748-1283 Fax: (675) 748-9720

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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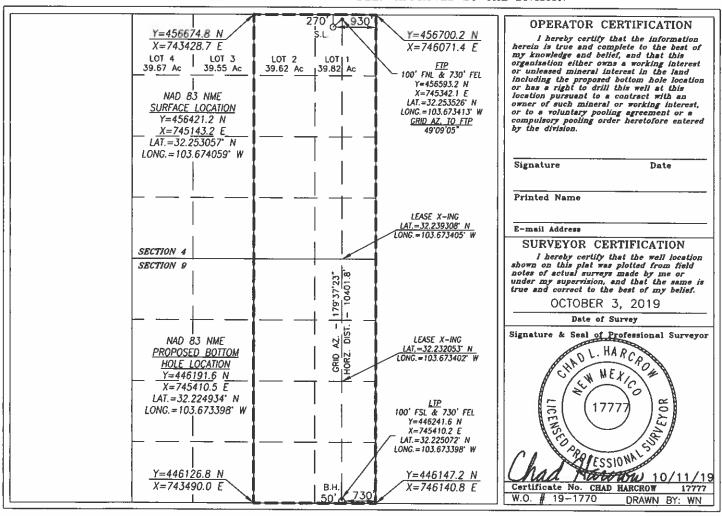
DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6176 Fax: (505) 334-6170

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

DISTRICT IV

Phone: (505) 476-3466 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT										
API 1	Number			CATION Pool Code	AND AC.	Pool Name				
Property C	Property Code Property Name							Well Num	ber	
		MASTIFF FEDERAL COM							302⊦	1
OGRID No	OGRID No. Operator Name Elevation									
				000	G OPERA	TING	, LLC		3678.	3'
Surface Location										
UL or lot No.	Section	Tewnship	Range	Lot Idn	Feet from t	the N	orth/South line	Feet from the	East/West line	County
1	4	24-\$	32-E		270		NORTH	930	EAST	LEA
			Bottom	Hole Loc	ation If I	Differe	ent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from t	the N	orth/South line	Feet from the	East/West line	County
Р	9	24-S	32-E		50		SOUTH	730	EAST	LEA
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ore	ler No.					



DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (676) 393-0181 Fax: (676) 393-0720

State of New Mexico
Energy, Minerals & Natural Resources Department
DISTRICT II
8 Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR. State of New Mexico

1220 SOUTH ST. FRANCIS DR.

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name									
API Number Pool Code Pool Name									
Property Code Property Name MASTIFF								Well Number	
OGRID No	00,111								
		•			Surface Loc	ation			
L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	24-S	32-E		50	NORTH	660	EAST	LEA
			Bottom	Hole Loc	ation If Diffe	rent From Sur	face		
JL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
Р	9	24-\$	32-E		50	SOUTH	660	EAST	LEA

	LOT 4	LOT 3	50	SL 660	OPERATOR CERTIFICATION
	39.67 Ac	39.55 Ac	LOT 2 39.62 Ac	139.82 Ac	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuent to a contract with an
				+ -	owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
					Signature Date
	-				Printed Name
					E-mail Address
	SECTION 4				SURVEYOR CERTIFICATION I hereby certify that the well location
	SECTION 9				shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	1	— —			Date of Survey
					Signature & Seal of Professional Surveyor
	<u> </u>	— — 	<u> </u>	+ -	
	1				
	, 				
			50	в.н. 660	Certificate No. CHAD HARCROW 17777 W.O. # 20-288 DRAWN BY: AH

State of New Mexico DISTRICT I
1625 N. FRENCE DR., HOBBS, NM 86240
PRODE: (676) 393-6161 FARE (676) 393-0720
Energy, Minerals & Natural Resources Department
CONSERVATION DIVISION OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6176 Fax: (505) 334-6170 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 67606 Phone: (505) 476-3460 Fax: (505) 478-3462

☐ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION	PLAT
API Number	Pool Code	Pool Name
Property Code	Property Name	Well Number
	MASTIFF	502H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation

Surface Location

UL or	lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	1	4	24-S	32-E		50	NORTH	990	EAST	LEA

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
Р	9	24-S 32-E			50	SOUTH	990	EAST	LEA
Dedicated Acre	s Joint o	r Infill Con	nsolidation (ode Or	der No.				

39.67 Ac 39.55 Ac	LOT 2 50' 990' 5.L. LOT 1 39.62 Ac 39.82 Ac	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
SECTION 4 SECTION 9		Printed Name E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	20,	Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777 W.O. # 20-289 DRAWN BY: DS

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 68240
Phone: (676) 748-1285 Fax: (676) 748-9720

State of New Mexico

& Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. State of New Mexico

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

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170

District Office

DISTRICT IV
1220 S. ST. FRANCIS DR. SANTA FE, NM 87505

☐ AMENDED REPORT

Property C	ode	Ψ							
		121			Property Nam MASTIFF			Well Number 203H	
OGRID No	•			COO	Operator Nam G OPERATIN			Elevation	
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		50	NORTH	2310	EAST	LEA
			Bottom	Hole Loc	ation If Diffe	erent From Sur	face		
JL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	24 - S	32-E		50	SOUTH	2310	EAST	LEA
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.				

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4	LOT 3 50' S.L.	2310'	OPERATOR CERTIFICATION
39.67 Ac	39.55 Ac 39.62 Ac	LOT 1 39.82 Ac	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unlessed mineral interest in the land
			including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
			Signature Date
-	 		Printed Name
	!		E-mail Address
SECTION 4		 	SURVEYOR CERTIFICATION
SECTION 9			I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
<u> </u>	← −¦ + →	· 	Date of Survey
			Signature & Seal of Professional Surveyor
	50%	2746	Certificate No. CHAD HARCROW 17777
	50 B.H.	2310'	W.O. # 20-287 DRAWN BY: DS

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1263 Fax; (575) 746-9720

State of New Mexico DISTRICT I

1025 N. FRENCH DR. HOBBS, NM 80240
Phone: (676) 893-6101 Fax: (676) 393-0720

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

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

Number		Pool Code Pool			Pool Name			
ode				Well Num	per			
			MAS	TIFF FEDER	303F	-		
).				•			Elevatio	n
			CO(G OPERATIN	3678.8'			
				Surface Loc	ation			
Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
4	24-S	32-E		270	NORTH	1020	EAST	LEA
		Bottom	Hole Loc	cation If Diff	erent From Sur	face		
UL or lot No. Section Township Range Lot Idn				Feet from the	North/South line	Feet from the	East/West line	County
P 9 24-S 32-E					SOUTH	1010	EAST	LEA
	Section 4 Section	Section Township 4 24-S Section Township	Section Township Range 4 24-S 32-E Bottom Section Township Range	Section Township Range Lot Idn 4 24-S 32-E Bottom Hole Loc Section Township Range Lot Idn	Section Township Range Lot Idn Feet from the Section Township Range Lot Idn Feet from the Location If Difference Location Township Range Lot Idn Feet from the Location Locati	MASTIFF FEDERAL COM Operator Name COG OPERATING, LLC Surface Location Section Township Range Lot Idn Feet from the North/South line 4 24-S 32-E 270 NORTH Bottom Hole Location If Different From Sur Section Township Range Lot Idn Feet from the North/South line	MASTIFF FEDERAL COM Operator Name COG OPERATING, LLC Surface Location Section Township Range Lot Idn Feet from the North/South line Feet from the 1020 Bottom Hole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the 1020	Section Township Range Lot Idn Peet from the Bottom Hole Location If Different From Surface Property Name MASTIFF FEDERAL COM 303H Operator Name COG OPERATING, LLC 3678. Surface Location Section Township Range Lot Idn Peet from the North/South line Feet from the East/West line

Y=45674.8 N			
SECTION 4 SECTION 4 SECTION 4 SECTION 4 SECTION 6 SECTION 8 SURVEYOR CERTIFICATION I berely certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 3, 2019 Date of Survey	X=743428.7 E LOT 4 LOT 3 39.67 Ac 39.55 Ac NAD 83 NME SURFACE LOCATION Y=456420.3 N X=745053.2 E LAT.=32.263056 N	S.L.	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered
SECTION 9 SECTION 9 NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=446189.4 N X=745130.5 E LAT. = 32.224933' N LONG. = 103.674304' W Y=446126.8 N X=743490.0 E SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 3, 2019 Date of Surveyor Signature & Seal of Professional Surveyor NEACLE STATEMENT NEACLE STATEMEN		LAT.=32.239308" N	Printed Name
NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=446189.4 N X=745130.5 E LAT. = 32.224933' N LONG. = 103.674304' W Y=446126.8 N X=743490.0 E Signature & Seal of Professional Surveyor LEASE X-ING LAT. = 32.232052' N LONG. = 103.674307' W Signature & Seal of Professional Surveyor LEASE X-ING LAT. = 32.232052' N LONG. = 103.674307' W Y=446189.4 N X=745130.2 E LAT. = 32.224933' N LONG. = 103.674304' W Y=446147.2 N X=746140.8 E Certificate No. CHAD HARCROW 17777		179:37:23	I hereby certify that the well location shown on this plat was plotted from field notes of actual surreys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 3, 2019
1010 1	PROPOSED BOTTOM HOLE LOCATION Y=446189.4 NX=745130.5 E	LONG = 103.674307" W	Signature & Seal of Professional Surveyor
	Y=446126.8 N	100' FSL & 1010' FEL Y=446239.4 N X=745130.2 E LAT.=32.225070' N LONC.=103.674304' W Y=446147.2 N Y=746140.8 F	TILLI

DISTRICT I

1025 N. FRENCH DR., HOBBS, NM 80240
Phone: (676) 393-0101 Fax: (675) 393-0720

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. State of New Mexico

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

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6176 Fax: (505) 334-6170

☐ AMENDED REPORT

DISTRICT IV 1220 8 ST. FRANCIS DR., SANTA FE, NM 87505

API	Number			Pool Code Pool Name				,	
Property	Code			М	Property Nam ASTIFF FED			Well Number 304H	
OGRID N	o.			Operator Name Elevat COG OPERATING, LLC 368					
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		270	NORTH	1620	EAST	LEA
			Bottom	Hole Loc	ation If Diffe	erent From Sur	face		Ė
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	24-5	32-E		50	SOUTH	1485	EAST	LEA
Dedicated Acre	s Joint o	r Infill Co	nsolidation (Code Or	der No.		· · · · · · · · · · · · · · · · · · ·	<u> </u>	

NAD 83 NME		270 S.L. 1620'		OPERATOR CERTIFICATION
SURFACE LOCATION Y=456414.6 N X=744453.3 E LAT.=32 253051' N LONG.=103.676291' W	X=743428.7 E LOT 4 LOT 3	LOT 2 LOT 1 59.62 Ac 39.82 Ac	Y=456700.2 N X=746071.4 E FIP 100' FNL & 1485' FEL Y=456585.9 N X=744587.1 E LAT.=32.233519' N LONG.=103.675855' W GRID AZ. TO FTP 38'00'24"	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
		179:37/23" - 10400.47		Signature Date
		AZ1.		Printed Name
				E-mail Address
	SECTION 4	GRID. HORZ.		SURVEYOR CERTIFICATION
	SECTION 9		LEASE X-ING	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
			LAT.=32.239308" N LONG.=103.675847" W	OCTOBER 4, 2019
	L	- +	**C.Ne.	Date of Survey
		[]		Signature & Seal of Professional Surveyor
NAD 83 NME PROPOSED BOTTOM			LEASE X-ING LAT.=32.232050' N .ONG.=103.675843' W	CHARCRO WEXTON
HOLE LOCATION Y=446185.8 N X=744655.5 E LAT.=32.224931' N LONG.=103.675840' W	Y=446126.8 N X=743490.0 E	50'	100' FSL & 1485' FEL - Y=446235.8 N X=744655.2 E LAT.=32.225068' N LONG.=103.675840' W Y=446147.2 N	LESSIONAL 10/13/19 Cartificate No. CHAN HAPCHON 12/27
		вн. 1485'	X=746140.8 E	Certificate No. CHAD HARCROW 17777 W.O. # 19-1774 DRAWN 8Y: AH

DISTRICT I DISTRICT II 611 S. FIRST ST., ARTESIA, NM 86210 Phone: (676) 748-1283 Fax: (575) 746-9720

State of New Mexico 1825 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 478-3460 Fax: (505) 478-3482

Dedicated Acres

Joint or Infill

Consolidation Code

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name Property Code Property Name Well Number MASTIFF FEDERAL COM 305H OGRID No. Operator Name Elevation COG OPERATING, LLC 3683.0 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line East/West line Feet from the County 2 4 24-S 32-E 270 NORTH 1710 **EAST** LEA 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 0 9 24-S 32-E 50 SOUTH 1960 **EAST** LEA

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

Order No.

NAD 83 NME <u>SURFACE LOCATION</u> Y=456413.7 N X=744363.2 E LAT.=32.253050° N	Y=45674.8 N X=743428.7 E LOT 4 JOT 1 JOT	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date
LONG.=103.676582° W	SECTION 4 SECTION 4 SECTION 9 LEASE X-ING LAT.=32.239309' N LONG.=103.677383' W	Printed Name E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 4, 2019 Date of Survey
NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=446182.1 N X=744180.6 E LAT.=32.224929' N LONG.=103.677376' W	LEASE X-ING LAT.=32.232049' N LONG.=103.677379' W LONG.=103.677379' W LONG.=103.677379' W Y=446126.8 N X=743490.0 E Y=446147.2 N X=746140.8 E S0' B.H. 1960' Y=446147.2 N X=746140.8 E Y=446147.2 N X=446147.2 N X=446147.2 N X=446147.2 N X=446147.2 N X=446147.2	Signature & Seal of Professional Surveyor HARCA 17777 CO MEXIC 17777 CO CO 17777 CO 17777 CO 17777 CO 17777 CO CO 17777 W.O. # 19-1771 DRAWN BY: AH

DISTRICT I

State of New Mexico

Phone: (578) 593-6181 Fax: (676) 393-0720

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (375) 748-9720

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Property Name

MASTIFF

Operator Name

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

Pool Name

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

☐ AMENDED REPORT

Well Number

Elevation

503H

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87606 Phone: (505) 476-3480 Fex: (505) 476-3462

API Number

Property Code

OGRID No.

				COC	G OPERATIN	G, LLC			
					Surface Loc	ation			,
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		50	NORTH	1650	EAST	LEA
			Bottom	Hole Loc	eation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	24-S	32-E		50	SOUTH	1650	EAST	LEA
Dedicated Acre	s Joint o	Infill Co	nsolidation (Code Or	ier No.			•	
	_								
NO ALLO	OWABLE W	VILL BE AS OR A N	SSIGNED 7	TO THIS	COMPLETION U IT HAS BEEN	NTIL ALL INTER APPROVED BY	RESTS HAVE BE	EN CONSOLIDA	ATED
		LOT 4	LOT 3	50'	1650'		OPERAT	OR CERTIFICA	TION
		1		LOT 2	LOT 1		herein is true	certify that the info	e best of
		39.67 Ac	39.55 Ac	39.62 Ac	39.82 Ac		organization ei	and belief, and that ther owns a working	interest
		t		- +	7 — 7		including the p	neral interest in the proposed bottom hole to drill this well at	e location this
					1		location pursus owner of such	nt to a contract wi mineral or working	th an interest,
							compulsary pool by the division.	ary pooling agreement ling order heretofor	e entered
	ŀ	;		! +	-		ll by the division.		
							Signature	Da	te
		-			1				
	-	+		- +	→		Printed Name	B	
			'		1		E-mail Addres		
								R CERTIFICAT	ION
	-	SECTION 4	-				I hereby	certify that the well plat was plotted fro	location
							under my super	surveys made by n rvision, and that the	ne or 8 same is
							true and correc	t to the best of my	7 belief.
i	}	t		+	-		D	ate of Survey	
		I		1			Signature & Se	eal of Professional	Surveyor
		1		1	1				
	-	!		i—					
		,		ļ ¦	.				
				l	↓ ↓				
		1		į	1				
		J		Ĺ					
		1		50',B.	н. 1650'		Certificate No	CHAD HARCROW	17777

DISTRICT I

1925 N. FRENCH DR., HOBBS, NN 68240
Paces: (678) 393-6151 Page (676) 393-0720

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 746-1283 Fex: (575) 746-8720

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) 334-8178 Fax: (505) 334-8170 DISTRICT IV

☐ AMENDED REPORT

Phone: (505) 476-34	60 Fax: (505)		WELL LO	CATION	AND A	CREA	GE DEDICATION	ON PLAT		
API	Number			Pool Code		Pool Name				
Property	Code				_	rty Nam	8		Well Number 504H	
OGRID N	D.			Operator Name COG OPERATING, LLC					Elevation	
				-	Surfac	e Loca	tion			
UL or lot No.	Section	Township	Range	Lot ldn	Feet from	n the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		50)	NORTH	1980	EAST	LEA
			Bottom	Hole Lo	cation II	Diffe	rent From Surf	ace	<u>-</u>	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	m the	North/South line	Feet from the	East/West line	County
0	9	24-S	32-E		50		SOUTH	1980	EAST	LEA
Dedicated Acre	Joint o	r Infill Co	onsolidation (Code Or	der No.	,				<u> </u>

	LOT 4 LOT 3	50' S.L. 1980'	OPERATOR CERTIFICATION
	39.67 Ac 39.55 Ac	C V LOT 1 C C C C C C C C C	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
			Signature Date
			Printed Name
			E-mail Address
}	SECTION 4		SURVEYOR CERTIFICATION
	SECTION 9		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	L	 	Date of Survey
			Signature & Seal of Professional Surveyor
	<u> </u>		
		50' B.H. [1980'	Certificate No. CHAD HARCROW 17777 W.O. # 20-291 DRAWN BY: DS

APPLICATION OF COG OPERATING LLC CASE NO. 20924

DISTRICT I

1825 N. FRENCH DR., BOBBS, NM 88240
PRUSE: (576) 393-6161 Fax: (676) 393-07280

DISTRICT I

1825 N. FRENCH DR., BOBBS, NM 88240
PRUSE: (576) 393-6161 Fax: (676) 393-07280

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Sonta Fa New Mexico 87505

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

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DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 478-3480 Fax: (505) 478-3462

AMENDED REPORT

		1	WELL LO	CATION	AND ACREA	GE DEDICATI	ON PLAT			
API	Number		1	Pool Code			Pool Name			
Property	Code			27	Property Nan MASTIFF			Well Number 204H		
OGRID N		Elevatio	n							
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the North/South lin	North/South line	Feet from the	East/West line	County	
N	4	24-S	32-E		50	SOUTH	1720	WEST	LEA	
			Bottom	Hole Loc	eation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	
С	33	23 - S	32-E		50	NORTH	1720	WEST	LEA	
Dedicated Acre	s Joint o	r Infill Co	nsolidation (Code Or	der No.					
NO ALLO	WABLE V	VILL BE AS	SSIGNED '	TO THIS	COMPLETION I	INTIL ALL INTER	ESTS HAVE BI	FEN CONSOLID	TED	

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

T:		
	1720' В.н. 50'	OPERATOR CERTIFICATION
		I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
		Signature Date
		Printed Name
		E-mail Address
	SECTION 33	SURVEYOR CERTIFICATION I hereby certify that the well location
	LOT 4 LOT 3 LOT 2 SECTION 4	shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	39.67 Ac 39.55 Ac 39.62 Ac 39.82 Ac	
	 + - 1	Date of Survey
		Signature & Seal of Professional Surveyor
	1720' S.L. 50'	Certificate No. CHAD HARCROW 17777 W.O. #20-292 DRAWN BY: WN

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (576) 383-0161 Fax: (576) 383-0720
DISTRICT II
Bil S. FIRST ST., ARTESIA, NM 88210
Phone: (576) 748-1283 Fax: (576) 748-9720

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

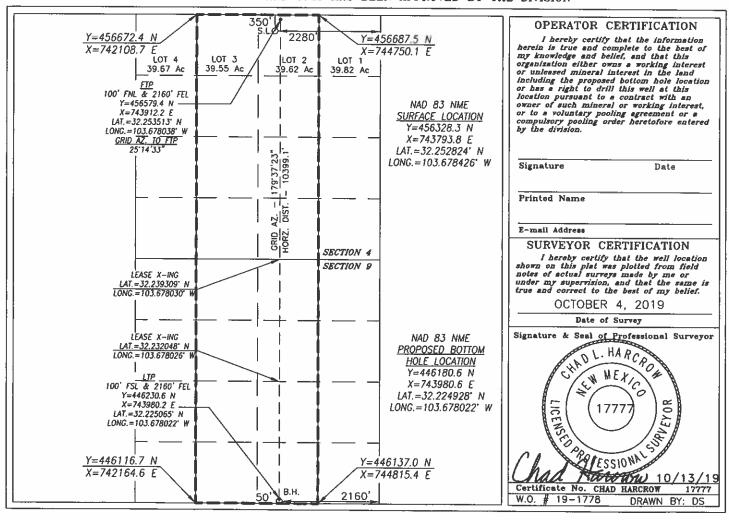
1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

DISTRICT III 1000 Rio BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-8178 Fax: (505) 334-8170

e: (505) 334-8178 Fax: (505) 334-6170 TRICT IV Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Name Property Code Property Name Well Number MASTIFF FEDERAL COM 306H OGRID No. Operator Name Elevation COG OPERATING, LLC 3676.4 Surface Location UL or lot No. Section Township Lot Idn Feet from the | North/South line Range Feet from the East/West line County 2 4 24-S 32-E 350 NORTH 2280 **EAST** LEA Bottom Hole Location If Different From Surface UL or lot No. Section Township Lot Idn Feet from the Range North/South line Feet from the East/West line County 9 24-S 32-E 50 SOUTH 2160 EAST LEA Dedicated Acres Joint or Infill Consolidation Code Order No.



DISTRICT I

State of New Mexico 1825 N. FRENCH DR., HOBBS, NM 68240 Energy, Minerals & Natural Resources Department CONSERVATION DIVISION

DISTRICT II 611 S. FIRST ST., ARTESIA, NM 88210 Phone: (675) 748-1283 Fax: (675) 748-9720

1220 SOUTH ST. FRANCIS DR.

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87605 Phone: (505) 476-3460 Fax: (505) 476-3462

Santa Fe, New Mexico 87505

□ AMENDED REPORT

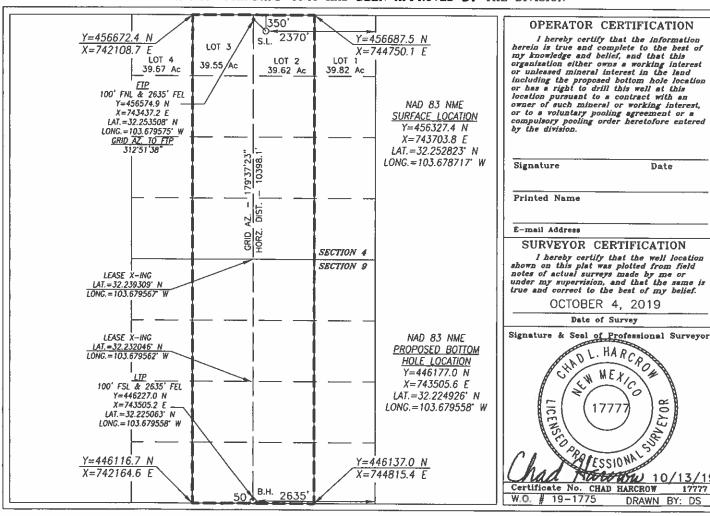
WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Property Code Property Name Well Number MASTIFF FEDERAL COM 307H OGRID No. Operator Name Elevation COG OPERATING, LLC 3675.3

Surface Location

UL or lot N	. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		350	NORTH	2370	EAST	LEA

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
	0	9	24-S	32-E		50	SOUTH	2635	EAST	LEA
	Dedicated Acres Joint or Infill Consolidation Code					der No.				
Į										



DISTRICT I

1625 N. FRENCH BR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department

DISTRICT II

Bill S. FIRST ST., ARTESIA, NM 88210

Phone: (576) 748-1283 Fax: (576) 748-9720

State of New Mexico

& Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. State of New Mexico

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

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

DISTRICT IV

☐ AMENDED REPORT

Phone: (505) 478-34	30 Pax: (505)		WELL LO	CATION	AND ACD	EACE DEDICATE	ON DIAM							
API	Number	<u>.</u>		CATION Pool Code	AND ACK	ACREAGE DEDICATION PLAT Pool Name								
Property (Code			<u> </u>	Property MASTI			Well Num						
OGRID No. Operator Name COG OPERATING, LLC														
	Surface Location													
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	North/South line Feet from the		County					
М	4	24-S	32-E		50	SOUTH	730	WEST	LEA					
			Bottom	Hole Loc	ation If Di	fferent From Sur	face	·						
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County					
D	33	23-\$	32-E		50	NORTH	730	WEST	LEA					
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ord	der No.									

730' B.H. 50'	OPERATOR CERTIFICATION
	I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature Date
	Printed Name
	E-mail Address
SECTION 33	SURVEYOR CERTIFICATION I hereby certify that the well location
LOT 3 LOT 2 SECTION 4	shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
56 LOT 1 39.55 Ac 39.62 Ac 39.82 Ac	
├- 	Date of Survey
	Signature & Seal of Professional Surveyor
 730' S.L. 50'	Certificate No. CHAD HARCROW 17777 W.O. #20-293 DRAWN BY: WN

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, NW 86240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

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

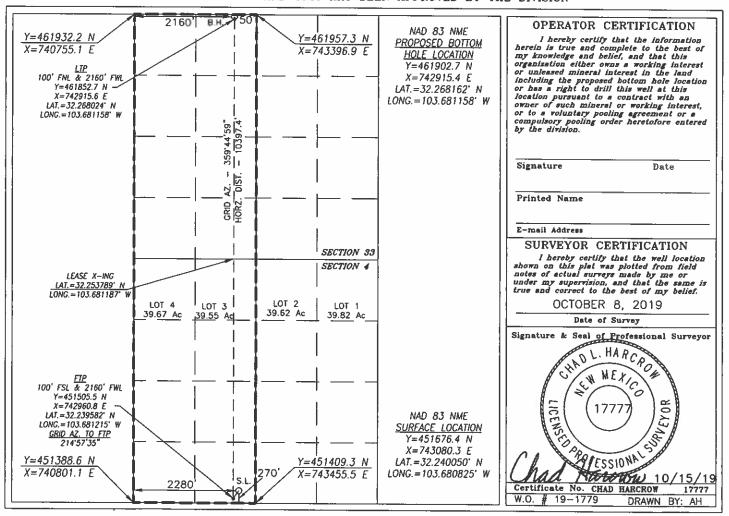
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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

DISTRICT IV

□ AMENDED REPORT

20 S. ST. FRANCIS hone: (505) 476-34	60 Fax: (505)	476-3462	WELL LO	CATION	AND A	ACREA	GE DEDICATION	ON PLAT			
API	Number			Pool Code				Pool Name			
Property	Code	Property Name Well No MASTIFF FEDERAL COM 30									
OGRID N	0.		Operator Name Elevation COG OPERATING, LLC 3637.4								
					Surfac	e Loca	tion				
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County	
N	4	24-S	32-E		27	0	SOUTH	2280	WEST	LEA	
			Bottom	Hole Lo	cation I	f Diffe	rent From Sur	face			
JL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County	
С	33	23-\$	32-E		5	0	NORTH	2160	WEST	LEA	
Dedicated Acre	Joint o	r Infill C	onsolidation (Code Or	der No.						



DISTRICT I DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (675) 748-1283 Faz: (675) 748-9720

State of New Mexico 1825 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department CONSERVATION DIVISION OIL

1220 SOUTH ST. FRANCIS DR.

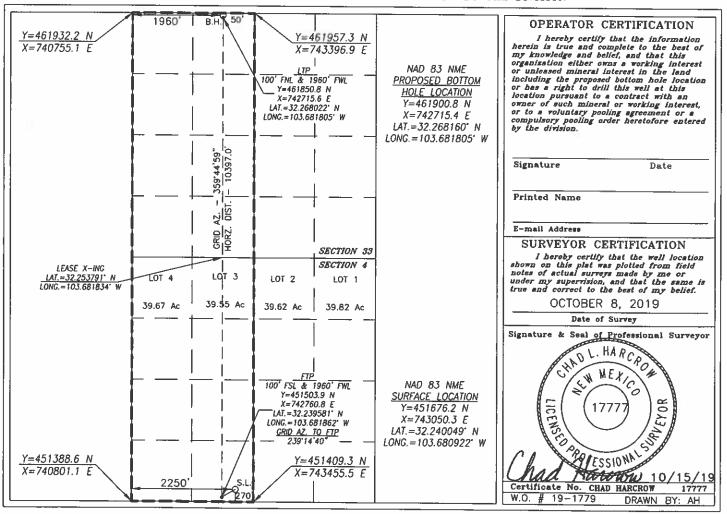
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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

Santa Fe, New Mexico 87505

□ AMENDED REPORT

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Property Code Property Name Well Number MASTIFF FEDERAL COM 309H OGRID No. Operator Name Elevation COG OPERATING, LLC 3637.6 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Ν 4 24-S 32-E 270 SOUTH 2250 WEST LEA Bottom Hole Location If Different From Surface UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County C 33 23 - S32-E 50 NORTH 1960 WEST LEA Dedicated Acres Joint or Infill Consolidation Code Order No.



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 86240 Energy, Minerals & Natural Resources Department CONSERVATION DIVISION

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

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DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

☐ AMENDED REPORT

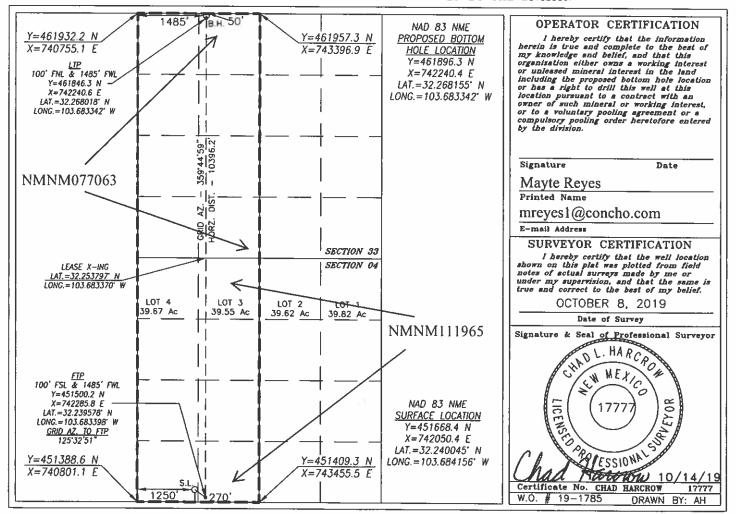
	WELL LOCATION AND ACREAGE DEDICATION PLAT	
API Number	Pool Code Pool Nam	e
30-025		
Property Code	Property Name	Well Number
	MASTIFF FEDAERL COM	310H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC.	3637.3'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	4	24-S	32-E		270	SOUTH	1250	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Townsh	ip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	33	23-	S	32-E		50	NORTH	1485	WEST	LEA
Dedicated Acres	a Joint o	r Infill	Con	solidation (Code Or	der No.				
639										



DISTRICT II B11 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-8720

State of New Mexico DISTRICT I

1025 N. FRENCH DR. HOBBS, NM 80240
Frence: (878) 1003-6161 Fax: (576) 3003-0780

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

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

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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) 476-3482

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name Property Code Property Name Well Number **MASTIFF** 505H OGRID No. Operator Name Elevation COG OPERATING, LLC

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	4	24-S	32-E		50	SOUTH	990	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	23-S	32-E		50	NORTH	990	WEST	LEA
Dedicated Acre	Joint o	r Infill Co	nsolidation (Code Or	der No.				

	990′ в.н. 50′		OPERATOR CERTIFICATION
			I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
			Signature Date
	<u> </u>		Printed Name
			E-mail Address
	I li	SECTION 33	SURVEYOR CERTIFICATION
	LOT 4 LOT 3	LOT 2 SECTION 4	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	39.67 Ac 39.55 Ac	39.62 Ac 39.82 Ac	<u> </u>
		I — — — —	Date of Survey
			Signature & Seal of Professional Surveyor
00	990' \$.4 50'		Certificate No. CHAD HARCROW 177777 W.O. #20-295 DRAWN BY: WN

DISTRICT I

1825 N. FRENCH DR. HOBBS, NM 88240
Phone: (676) 383-6161 Fax: (675) 393-0720

DISTRICT I

1825 N. FRENCH DR. HOBBS, NM 88240
Phone: (676) 383-6161 Fax: (675) 393-0720

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. State of New Mexico

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

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

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

DISTRICT IV 1220 S. ST. FRANCIS I Phone: (505) 478-341	DR., SANTA FE,	NM 87505							☐ AMEND	ED REPOR
гионе: (505) 6 76-340	50 Fax: (505)	470-3402	WELL LO	CATION	AND AC	REAGE	DEDICATIO	N PLAT		
API	Number		Pool Code Pool Name							
Property (Code		1		Property MAST			<u> </u>	Well Num	
OGRID No	D.			COC	Operator G OPERA		LLC		Elevation	n
					Surface	Locatio:	n			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from t	he Nor	th/South line	Feet from the	East/West line	County
M	4	24-S	32-E		50		SOUTH	330	WEST	LEA
			Bottom	Hole Loc	cation If I	ifferen	t From Surf	ace		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from t	he Nor	th/South line	Feet from the	East/West line	County
Ð	33	23-S	32-E		50		NORTH	330	WEST	LEA
Dedicated Acres	s Joint o	r Infill Co	onsolidation (Code Or	der No.					
NO ALLO	WABLE W	ILL BE A	SSIGNED '	ro this	COMPLETIO	N UNTI	L ALL INTERI	ESTS HAVE BI	EEN CONSOLIDA	ATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

330		OPERATOR CERTIFICATION
		I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered
		by the division.
		Signature Date
		Printed Name
		E-mail Address
	SECTION 33	SURVEYOR CERTIFICATION I hereby certify that the well location
LOT 4 LOT 3	LOT 2 SECTION 4	shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is
39.67 Ac 39.55 Ac	39.62 Ac 39.82 Ac	true and correct to the best of my belief.
		Date of Survey
		Signature & Seal of Professional Surveyor
330' S.L. 50'		Certificate No. CHAD HARCROW 17777
		W.O. #20-295 DRAWN BY: WN

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (676) 748-1283 Pax: (575) 748-9720

DISTRICT I
State of New Mexico
Phone: (575) 393-6161 Par: (575) 393-0720

State of New Mexico
Energy, Minerals & Natural Resources Department State of New Mexico 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

WEST

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

☐ AMENDED REPORT

LEA

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 67505 Phone: (505) 476-3460 Fax: (505) 476-3462

Ν

	WELL LOCATION AND ACREAGE DEDICATION PLAT			
API Number	Pool Code Pool Name			
Property Code	Property Name	Well Number		
	MASTIFF	507H		
OGRID No.	Operator Name COG OPERATING, LLC	Elevation		
	Surface Location			
L or lot No. Section Townsh	P Range Lot Idn Feet from the North/South line Feet from the	East/West line Count		

Bottom Hole Location If Different From Surface

50

SOUTH

1355

32-E

24-S

UL or lot N	. 5	Section	Townsh	ip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С		33	23-	S	32-E		50	NORTH	1355	WEST	LEA
Dedicated A	тея	Joint of	r Infill	Сог	solidation (Code Or	der No.	-			

OPERATOR CERTIFICATION I hereby certify that the saformation herein is row end to give and belief, and that this organization either owns a working interest including the impress interest in the kand including the register of the impression							
herein is true and complete to the best of my knowledge and best briest on the workedge and best briest or my knowledge and best briest or my knowledge and best briest or walessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this owner of much mineral or rocking interest, or to a voluntary pooling agreement or a campulsory pooling order heretofore entered by the division. Signature		1355	Ів.н. 50			OPERATOR CERTIFICAT	ION
Printed Name SECTION 33						herein is true and complete to the in my knowledge and belief, and that to organization either owns a working in or unleased mineral interest in the including the proposed bottom hole or has a right to drill this well at the location pursuant to a contract with owner of such mineral or working in or to a voluntary pooling agreement compulsory pooling order heretofore	best of his oterest land location his an elerest, or a
Printed Name E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777		1	l .	1			
SECTION 33 LOT 2 SECTION 4 SECTION 4 Section 3 Section 3 Section 3 Section 4 Section 6 Section 4 Section 6 Section 7 Section 8 Section 7 Section 8 Section			<u>'</u>		1	Signature Date	
SECTION 33 LOT 4 LOT 3 LOT 2 SECTION 4 SOURCE YOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777		<u> </u>	<u> </u>		ļ <u> </u>	Printed Name	
SECTION 33 LOT 4 LOT 3 LOT 2 SECTION 4 LOT 3 LOT 2 SECTION 4 LOT 3 LOT 1 39.67 Ac 39.55 Ac 39.62 Ac 39.82 Ac SIRVEYOR CERTIFICATION I hereby certify that the well location shown on his plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777		TI .	_l l		1		
LOT 4 LOT 3 LOT 2 SECTION 4 SSCOTION 4 LOT 3 LOT 2 SECTION 4 Solution and this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777						E-mail Address	
LOT 4 LOT 3 LOT 2 SECTION 4 Shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature & Seal of Professional Surveyor			E		SECTION 33		
39.67 Ac 39.55 Ac 39.62 Ac 39.82 Ac Date of Survey Signature & Seal of Professional Surveyor 1355' S.L. 50' Certificate No. CHAD HARCROW 17777		LOT 4	LOT 3	LOT 2		shown on this plat was plotted from notes of actual surveys made by me under my supervision, and that the	field or same is
Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777		30 67 Ac	1 39 55 Ac	30.62.40		true and correct to the best of my t	>elief.
1355' S.L. 50' Certificate No. CHAD HARCROW 17777	[]	·	33.33 AC		19.62 AC	Date of Survey	
						Signature & Seal of Professional S	urveyor
	}						
						l i	
		 -	 		<u> </u>	-	
			[
					+	1	
					I	Certificate No. CHAD HADDDOW	12777
		1355	IS.L. 50'	I	<u></u>		

APPLICATION OF COG OPERATING LLC CASE NO. 20925

DISTRICT I

1625 N. FERNCH DR.. HOBBS, NM 88240
Phone: (670) 593-6161 Pax: (670) 593-0720

DISTRICT II

811 S. FIRST ST., ARTESIA, NN 88210
Phone: (675) 748-1283 Pax: (676) 748-9720

DISTRICT III

1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (605) 334-6178 Pax: (606) 334-6170

DISTRICT IV

1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (605) 334-6178 Pax: (606) 334-6170

DISTRICT IV

1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (605) 334-6178 Pax: (606) 334-6170

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

DISTRICT IV 1220 S. ST. FRANCIS I Phone: (505) 476-34	DR., SANTA FE.	NM 67505						□ AMEND	ED REPORT
	on tax: (909)		WELL LO	CATION	AND ACRE	AGE DEDICATI	ON PLAT		
API	Number			Pool Code			Pool Name		
Property	Code			MAS	Property National Property Nat			Well Num	
ogrid n	0.			COC	Operator Nat G OPERATIN			Elevation 3675.	_
					Surface Loc	ation	-		
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	24-S	32-E		270	NORTH	360	EAST	LEA
			Bottom	Hole Loc	ation If Diff	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	9	24-S	32-E		50	SOUTH	330	EAST	LEA
Dedicated Acre	s Joint o		nsolidation (der No.				

	 	·	
		270 S.L. 360' Y=456700.2 N X=746071.4 E 19.82 Ac 100' FNL & 330' FFL Y=456597.0 N X=745742.1 E LAT.=32.253530' N LONG=103.672119' W GRID AZ. 10 FTP 09'37'34"	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date
	TION 4	1.0 20 LEASE X-ING LAT.=32.239307 N LONG.=103.672112' W	Printed Name E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 3, 2019 Date of Survey
	NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=446194.6 N X=745810.5 E LAT.=32.224936 N LONG.=103.672105 W Y=446137.0 N X=744815.4 E	LEASE X-ING LAT.=32.232054' N LONG.=103.672108' W 100' FSL & 330' FEL Y=446244.6 N X=745810.2 E LAT.=32.225073' N LONG.=103.672105' W Y=446147.2 N B.H. 50' X=746140.8 E	Signature & Seal of Professional Surveyor HARCA 17777 17777 10/12/19 Certificate No. CHAD HARCROW 17777 W.O. # 19-1764 DRAWN BY: AH

DISTRICT I DISTRICT II 811 S. FIRST ST., ARTESIA, NM 68210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico 1825 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

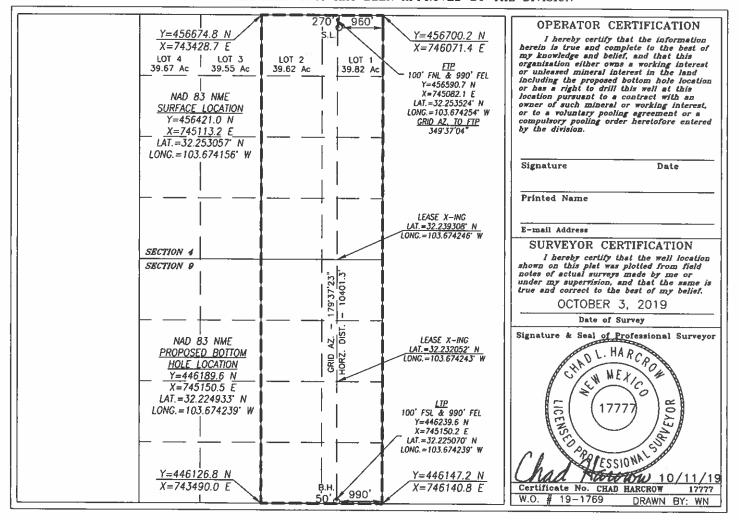
DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fex: (505) 334-6170

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 IV 1220 S. ST. FRANCIS I Phone: (505) 476-34	DR., SANTA PE,	NM 87505						□ AMEND	ED REPORT
Phone: (505) 476-34	50 Fax: (505)		VELL LO	CATION	AND ACR	EAGE DEDICATI	ON PLAT		
API	Number		1	Pool Code			Pool Name	<u> </u>	
Property (Code			MAS	Property 1	Name ERAL COM		Well Num	
OGRID N	o.			COC	Operator of OPERAT			Elevation 3678.	on a
					Surface L	ocation		<u> </u>	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	e North/South line	Feet from the	East/West line	County
1	4	24-S	32-E		270	NORTH	960	EAST	LEA
			Bottom	Hole Loc	ation If Di	fferent From Sur	face	·	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	e North/South line	Feet from the	East/West line	County
P	9	24-S	32-E		50	SOUTH	990	EAST	LEA
Dedicated Acres			asolidation (ier No.	,			
NO ALLO	WABLE V	VILL BE AS	SIGNED 7	O THIS	COMPLETION	UNTIL ALL INTER	RESTS HAVE B	EEN CONSOLIDA	ATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT I

State of New Mexico

1625 N. FRENCH DR. HOBBS, NM 80240

Energy, Minerals & Natural Resources Department

Out of the control of t State of New Mexico OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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

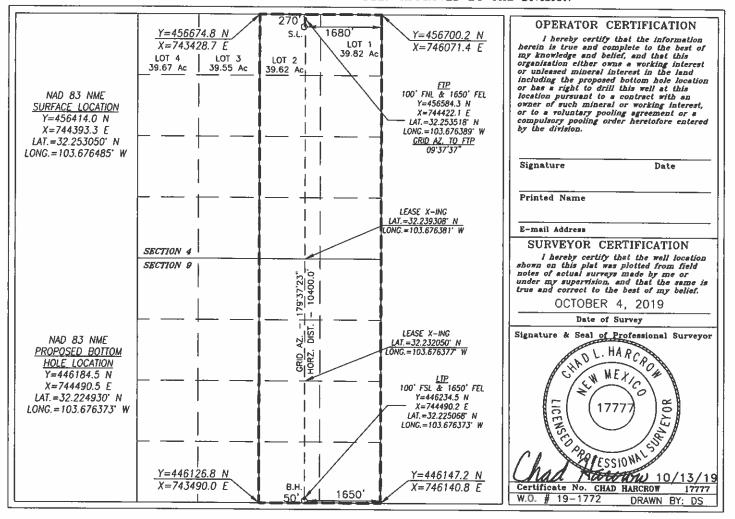
DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fex: (505) 334-6170

Santa Fe, New Mexico 87505

□ AMENDED REPORT

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

Phone: (505) 476-346	30 Fax: (505)		WELL LO	CATION	AND A	ACREA	GE DEDICATION	ON PLAT		
API	Number			Pool Code				Pool Name		
			<u> </u>			·				
Property (Code				•	erty Nam			Well Num	iber
				MAS	TIFF F	'EDER	AL COM		703F	1
OGRID No).			COC		ator Nam RATIN	G, LLC		Elevatio 3683.	
					Surfac	e Loca	ation	-		
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		27	'0	NORTH	1680	EAST	LEA
			Bottom	Hole Loc	cation I	f Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County
0	9	24-S	32-E		50	o	SOUTH	1650	EAST	LEA
Dedicated Acres	Joint o	r Infill Co	onsolidation C	ode Ore	der No.					



DISTRICT I
1025 N. FRENCH DR. HOBBS, NM 68240
Phone: (676) 393-6101 Fax: (676) 393-6720
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (676) 748-1283 Fax: (676) 748-9720

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

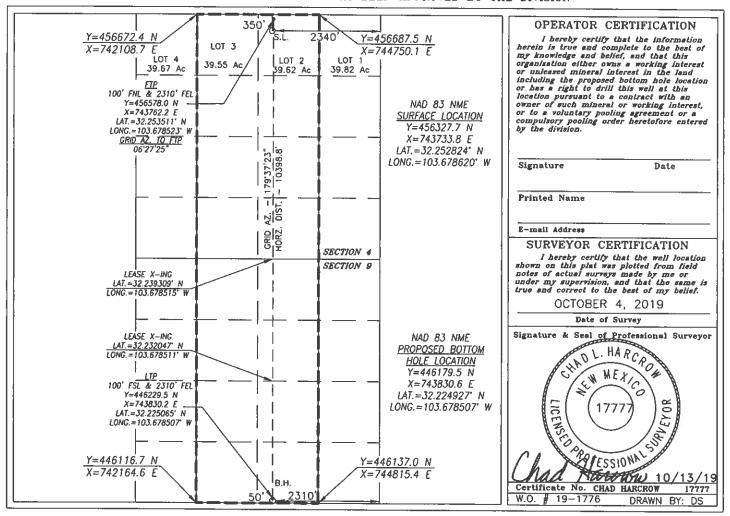
1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-8178 Fex: (506) 334-8170

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 478-3460 Fee: (505) 478-3480

☐ AMENDED REPORT

220 S. ST. FRANCIS I bone: (505) 475-34	60 Fex: (505)		מו וותש	CATION	AND ACDE	AGE DEDICATI	ONI DIAT		
API	Number	<u>.</u>		Pool Code	AND ACKE	GE DEDICATI	ON PLAT Pool Name		
Property (Code	İ	1	MAS	Property Nan	AL COM		Well Num	
OGRID N	o.	:		CO	Operator Nan G OPERATIN			Elevation 3676	
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	4	24-S	32-E		350	NORTH	2340	EAST	LEA
	•		Bottom	Hole Loc	cation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	24-S	32-E		50	SOUTH	2310	EAST	LEA
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.				



DISTRICT I 1625 N. PRENCH DR., HOBES, NM 88240 Phone: (676) 393-6161 Pax: (678) 393-0720 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

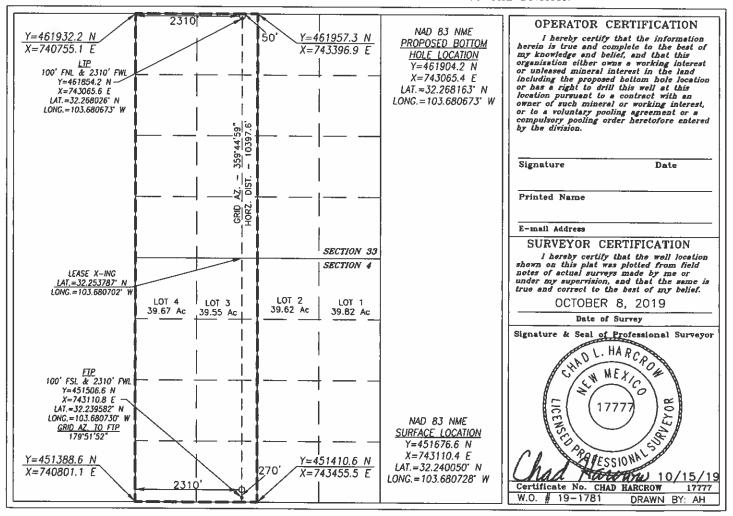
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

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 DISTRICT IV

DISTRICT IV 220 S. St. Francis I Phone: (505) 475-34	R., SANTA FE.	NM 87605						□ AMEND	ED REPORT
110114: (003) 478-34	ou Fax: (500)		WELL LO	CATION	AND ACREA	GE DEDICATI	ON PLAT		
API	Number		Pool Code Pool Name						
						9.5			
Property (Code			****	Property Nam			Well Num	
				MAS	TIFF FEDER	AL COM		705	5H
OGRID N	o.			004	Operator Nam		\ <u>-</u>	Elevatio	
				C00	G OPERATIN	G, LLC		3637.9'	
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	4	24-S	32-E		270	SOUTH	2310	WEST	LEA
			Bottom	Hole Loc	eation If Diffe	rent From Sur	face		-
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	33	23 - S	32-E		50	NORTH	2310	WEST	LEA
Dedicated Acre	Joint o	r Infill Co	nsolidation (Code Or	der No.				<u> </u>



APPLICATION OF COG OPERATING LLC CASE NO. 20926

DISTRICT I DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (675) 748-1283 Fax: (576) 748-9720

State of New Mexico 1828 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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East/West line

WEST

DISTRICT III 1000 RIO BRAZOS RD., AZTEC. NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

Township

23 - S

33

Joint or Infill

Dedicated Acres

Range

32-E

Consolidation Code

Lot 1dn

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

County

LEA

Phone: (505) 478-34	60 Fax: (505)									
			WELL LC	CATION	AND A	CREAG	E_DEDICATION	ON PLAT		
API	Number			Pool Code				Pool Name		
Property	Property Code		·	.	_	ty Name		Well Number		
				MAS	TIFF FI	EDERAL	СОМ		706	5H
OGRID N	0.			COO	Operat G OPER	or Name ATING,	LLC	· ·	Elevation 363	
					Surface	Locati	on			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	the N	orth/South line	Feet from the	East/West line	County
M	4	24-S	32-E		270		SOUTH	1280	WEST	LEA
			Bottom	Hole Loc	cation If	Differe	nt From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	the N	neth /South line	Post from the	Wast /Wast 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

Feet from the

50

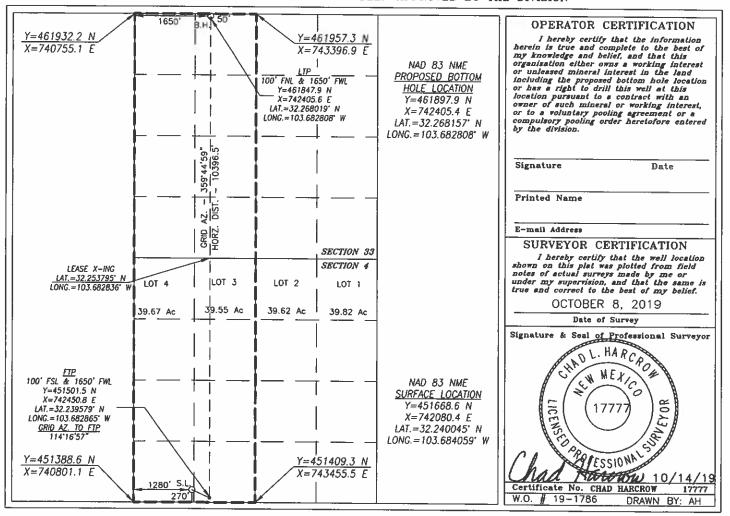
Order No.

North/South line

NORTH

Feet from the

1650



DISTRICT I DISTRICT II B11 S. FIRST ST., ARTESIA, NM 88210 Phone: (576) 748-1283 Fax: (575) 748-9720

State of New Mexico 1825 N. FRENCE DR., HOBBS, NM 68240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

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 DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 67505 Phone: (505) 476-3460 Fax: (505) 476-3462

Santa Fe, New Mexico 87505

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name Property Code Property Name Well Number MASTIFF FEDERAL COM 707H OGRID No. Operator Name Elevation COG OPERATING, LLC 3638.2

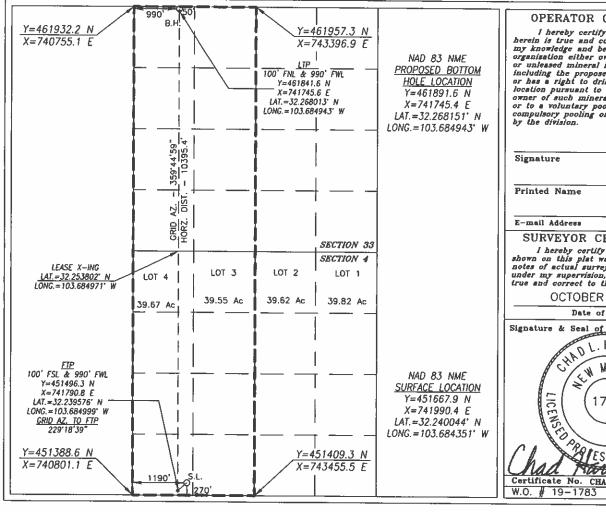
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	4	24-S	32-E		270	SOUTH	1190	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	23-S	32-E		50	NORTH	990	WEST	LEA
Dedicated Acre	s Joint o	r Infill Con	solidation (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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unlessed mineral interest in the land or unlessed inners; interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature	Date
Printed Name	

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 8, 2019

Date of Survey

Signature & Seal of Professional Surveyor



10/14/19 Certificate No. CHAD HARCROW 17777

DRAWN BY: AH

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (676) 393-6161 Fazi (675) 393-6720

Energy, Minerals & Natural Resources Department
CONSERVATION DIVISION 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 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 67505 Phone: (505) 476-3460 Fax: (505) 476-3462

☐ AMENDED REPORT

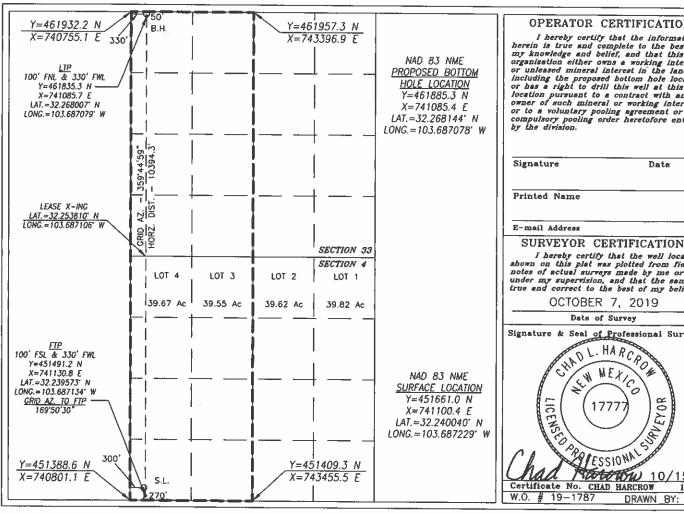
	WELL LOCATION AND ACREAGE DEDICATION PLAT	
API Number	Pool Code Pool Name	
Property Code	Property Name MASTIFF FEDERAL COM	Well Number 708H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3640.2'

Surface Location

	UL or lot No.	Section 4	Township 24-S	Range 32-E	Lot Idn	Feet from the 270	North/South line SOUTH	Feet from the	East/West line WEST	County LEA
				Bottom	Hole Loc	ation If Diffe	rent From Sur	face		
-	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

D	33	23-S	32-E		50	NORTH	330	WEST	LEA
Dedicated Acres	Joint o	r Infill C	onsolidation	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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a computsory pooling order heretofore entered by the division.

Signatu	re	Date	
Detected	N	 	_
Printed	Name		

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 7, 2019

Signature & Seal of Professional Surveyor



10/15/19 Certificate No. CHAD HARCROW 17777 DRAWN BY: DS

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico DISTRICT I

1025 N. FRENCH DR. HOBBS, NM 88240

Energy, Minerals & Natural Resources Department

State of New Mexico

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) 334-8178 Fax: (505) 334-6170

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

□ AMENDED REPORT

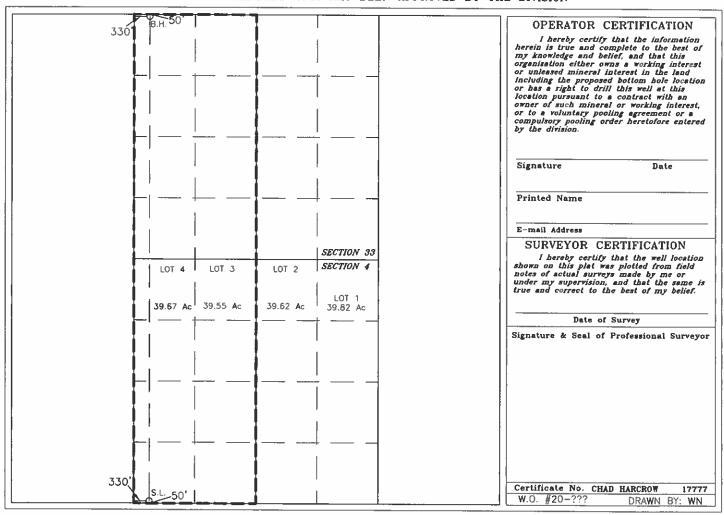
	WELL LOCATION AND ACREAGE DEDICATION PLAT	
API Number	Pool Code Pool Name	
Property Code	Property Name	Well Number
	MASTIFF	710H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	4	24-S	32-E		50	SOUTH	330	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	23-S	32-E		50	NORTH	330	WEST	LEA
Dedicated Acres	Joint o	r Infill Cor	solidation (Code Ord	ler No.				



State of New Mexico DISTRICT I

1025 N. FRENCH DR. HOBBS, NM 80240
Energy, Minerals & Natural Resources Department

Phone: (675) 393-0101 Fax: (675) 393-0720 OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170

Joint or Infill

23-S 32-E

Consolidation Code

DISTRICT IV

D

Dedicated Acres

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

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

WEST

LEA

□ AMENDED REPORT

Phone: (505) 476-34	60 Fez: (505)	476-3462								
			WELL LO	CATION	AND	ACREAGE	DEDICATIO	N PLAT		
API	Number			Pool Code				Pool Name		
Property	Code				•	erty Name			Well Num	
OGRID No.		Operator Name COG OPERATING, LLC				Elevation				
					Surfa	ce Locatio	n			
UL or lot No.	Section	Township	Range	Lot ldn	Feet fr	om the No	rth/South line	Feet from the	East/West line	County
М	4	24-S	32-E		5	0	SOUTH	846	WEST	LEA
			Bottom	Hole Loc	cation	If Differen	t From Surfa	ice		
UL or lot No.	Section	Township	Range	Lot Idn	Feet fr	om the No	rth/South line	Feet from the	East/West line	County

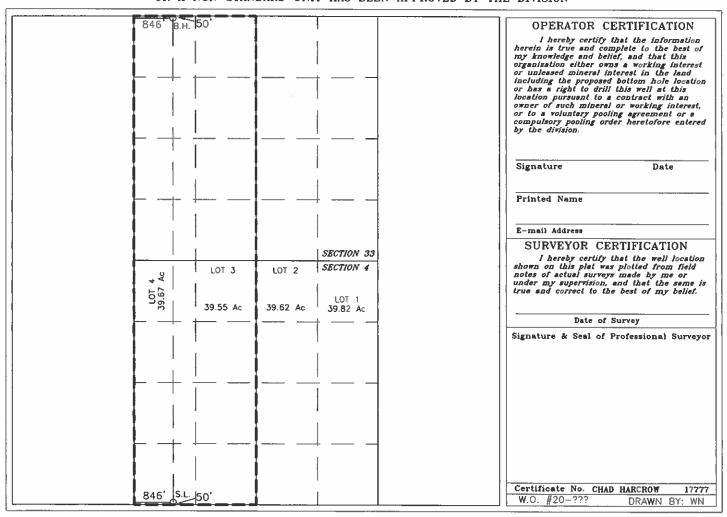
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

50

Order No.

NORTH

846



COG Operating, LLC—Mastiff Federal Com Wells

Township 23 South-Range 32 East, N.M.P.M.

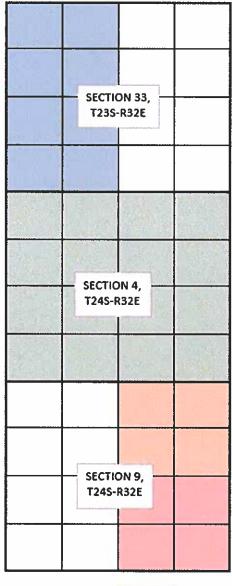
Section 33: W/2

Township 24 South-Range 32 East, N.M.P.M.

Section 4: ALL Section 9: E/2

Lea County, New Mexico

Limited in Depth to the Bone Spring Pool



TRACT 1	
TRACT 2	
TRACT 3	108 385
TRACT 4	

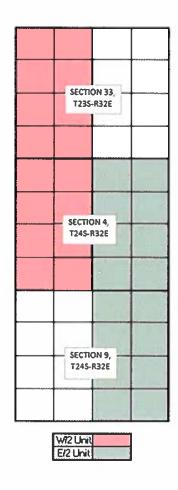
BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 2
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Tract 1 (Lease #1): Section 33: W/2 (320.00 Acres more or less), T23S-R32E

(WI) EOG Resources Inc.	70.000000%
(WI) Oxy Y-1 Company	30.000000%
Total:	100.000000%
Participating Parties	
Parties We Seek to Pool	
Tract 2 (Lease #2): Section 4: ALL (640.00 Acres more or less), T24S-R3	2 2 E
(WI) COG Operating LLC	100.000000%
Total	100.000000%
Bookisto aktoro Bookis	· · · · · · · · · · · · · · · · · · ·
Participating Parties	
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R	R32E
	R32E 100.00000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R	
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R (WI) COG Operating LLC	100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R (WI) COG Operating LLC Total	100.000000% 100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R (WI) COG Operating LLC Total Participating Parties	100.000000% 100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R (WI) COG Operating LLC Total Participating Parties Tract 4 (Lease #4): Section 9: SE/4 (160.00 Acres more or less), T24S-R	100.000000% 100.000000% R32E
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less), T24S-R (WI) COG Operating LLC Total Participating Parties Tract 4 (Lease #4): Section 9: SE/4 (160.00 Acres more or less), T24S-R (WI) EOG Resources Inc.	100.000000% 100.000000% R32E 75.000000%

Participating Parties

Parties We Seek to Pool



W/2 Spacing Unit Summary (640.00 Acres more or less), Section 33, T23S-R32E and Section 4, T24S-R32E

Total:	100.000000%
(WI) Oxy Y-1 Company	15.000000%
(WI) EOG Resources Inc.	35.000000%
(WI) COG Operating LLC	50.000000%

Participating Parties

Parties We Seek to Pool

E/2 Spacing Unit Summary (640.00 Acres more or less), Sections 4 and 9, T24S-R32E

Total:	100.00000%
(WI) Thomas E. Jennings	1.0416667%
(WI) First Roswell Ltd.	5.2083333%
(WI) EOG Resources Inc.	18.750000%
(WI) COG Operating LLC	75.000000%

Participating Parties

Parties We Seek to Pool

COG Operating, LLC—Mastiff Federal Com Wells

Township 23 South-Range 32 East, N.M.P.M.

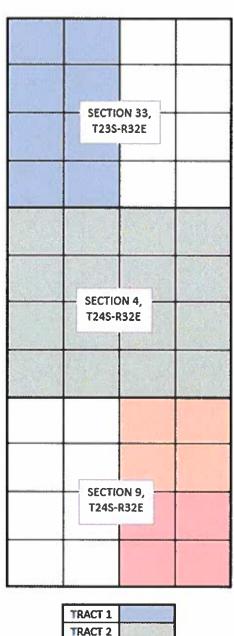
Section 33: W/2

Township 24 South- Range 32 East, N.M.P.M.

Section 4: ALL Section 9: E/2

Lea County, New Mexico

Limited in Depth to the Wolfcamp Pool

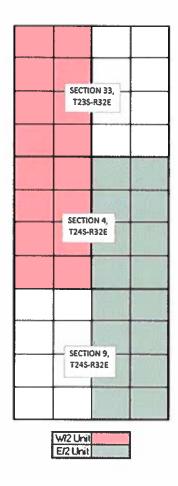


Tract 1 (Lease #1) : Section 33: W/2 (320.00 Acres more or less), T23S-R32E

(WI) EOG Resources Inc.	70.000000%
(WI) Oxy Y-1 Company	30.000000%
Total:	100.000000%
Participating Parties	
Parties We Seek to Pool	
Tract 2 (Lease #2): Section 4: ALL (640.00 Acres more or less),	T24S-R32E
(WI) COG Operating LLC	100.000000%
Total	100.000000%
Participating Parties	
Participating Parties Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC), T24S-R32E 100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less	
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC	100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC Total	100.000000% 100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC Total Participating Parties	100.000000% 100.000000%
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC Total Participating Parties Tract 4 (Lease #4): Section 9: SE/4 (160.00 Acres more or less	100.000000% 100.000000%), T24S-R32E
Tract 3 (Lease #3): Section 9: NE/4 (160.00 Acres more or less (WI) COG Operating LLC Total Participating Parties Tract 4 (Lease #4): Section 9: SE/4 (160.00 Acres more or less (WI) EOG Resources Inc.	100.000000% 100.000000%), T24S-R32E 75.000000%

Participating Parties

Parties We Seek to Pool



W/2 Spacing Unit Summary (640.00 Acres more or less), Section 33, T23S-R32E and Section 4, T24S-R32E

Total:	100,00000%
(WI) Oxy Y-1 Company	15.000000%
(WI) EOG Resources Inc.	35.000000%
(WI) COG Operating LLC	50.000000%

Participating Parties

Parties We Seek to Pool

E/2 Spacing Unit Summary (640.00 Acres more or less), Sections 4 and 9, T24S-R32E

Total:	100.000000%
(WI) Thomas E. Jennings	1.0416667%
(WI) First Roswell Ltd.	5.2083333%
(WI) EOG Resources Inc.	18.750000%
(WI) COG Operating LLC	75.000000%

Participating Parties

Parties We Seek to Pool



October 18, 2018

U.S. CERTIFIED MAIL - 91 7199 9991 7038 7703 4825

EOG Resources Inc. 5509 Champions Drive Midland, TX 79706 Attention: Land Department

Re: Well Proposal - Mastiff Federal Com #701H

Sec 4: Lot 1, SE/4NE/4, and E/2 SE/4 - T24S-R32E

Sec 9: E/2 E/2 - T24S-R32E

Approximate First Take Point: 100' FNL / 330' FEL, Sec.4-T24S-R32E Approximate Last Take Point: 100' FSL / 330' FEL, Sec.9-T24S-R32E

Lea County, New Mexico

Dear Sir/Madam:

COG Operating LLC (COG), as Operator, hereby proposes the drilling and completion of the Mastiff Federal Com #701H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,300' and a MD of approximately 22,860' to test the Wolfcamp Formation ("Operation"). Surface Hole Location and Bottom Hole Location to be determined in accordance with COG's operating plans and surface restrictions on the property. The total cost of the Operation is estimated to be \$13,904,855.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill this well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The Operating Agreement's contract lands will cover the Lots 1, 2, S2NE and SE/4 of Sec. 4-T24S-R32E and the E/2 of Sec. 9-T24S-R32E. It has the following general provisions:

- 100/300 Non-Consenting Penalty
- \$7,000/\$700 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your participation election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG would like to term assign your leasehold under the following general terms:

- Reservation unto Assignor of the positive difference, if any, between existing burdens and 20%
- 3 Year Primary Term
- \$3,000/ Net Acre Bonus Consideration

The term assignment offer is subject to the approval of COG's management and verification of title.

If an agreement cannot be reached within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time.



If you have any questions, please do not hesitate to contact the undersigned at (432) 685-2515.

Respectfully,

Adam C. Reker

Landman

I/We hereby elect to participate in the Mastiff Federal Com #701H.

I/We hereby elect not to participate in the Mastiff Federal Com #701H.

Company: EOG Resources Inc.

By:
Name:
Title:
Date:

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

		PROSPECT NAME:	Buildog 2432 (717113)
ETP:	Sec 4: 100 FNL & 330 FEL	STATE & COUNTY:	New Mexico, Lea
	Sec 9: 100 FSL & 330 FEL	OBJECTIVE:	Orill and Complete
FORMATION:	Wolfcamp	DEPTH;	22,860
LEGAL:	Sec 4-24S-32E	TVD:	12,300

20,000 2,000 3,000	302 303 306 306 306 306 307 313 314 315 323 324 325 327 328 327 328 329 333 334 335	10,000 15,000 15,000 1,416,000 472,000 814,000 399,000 66,000			367 368 349 370 371 372 273	\$,500 \$,800 7,000	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
80,000 7,000 1,000	303 306 306 308 308 308 309 310 311 312 324 325 324 325 327 328 329 331 332 333 334 335 336 337 338 338 338 338 338 338 338 338	10,000 15,000 15,000 1,616,000 473,000 814,000 986,000 986,000 985,000 25,000 155,000 255,000 5,000 138,000 400,000 90,000 20,000 20,000 5,000	354 353 354 355 356 357 358	45,000 Inches the Community of the Commu	367 368 369 370 371 373 374 375 377 378 379 380 381 382	6,000	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
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11,000 1,000	311 312 313 314 315 324 325 327 328 329 331 332 333 334 335 336 337 338 339	88,000 968,000 4,500 25,000 15,000 255,000 5,000 538,000 403,000 20,000 20,000 5,000	355 356 357 358	A CONTROL OF THE STATE OF THE S	368 369 370 371 372 273 374 375 376 377 378 379 380 381	6,000	27 1,022 11 30 2 2 7 7 11 15 6 41 3 5 5
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15,000 0 0 0 0 0 0 0 0 0	313 314 315 323 324 325 326 327 328 331 332 333 334 335 336 337 338 339	4,500 25,000 25,000 15,000 265,000 5,000 397,000 138,000 400,000 90,000 20,000 5,000	356 357 358	A CONTROL OF THE STATE OF THE S	379 371 372 273 374 375 376 377 380 381 382	6,000	1,022 111 300 22 7 7 111 6 6 7 7 15 8 8 41 3 3 5 5
5,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	314 315 323 324 325 327 328 331 332 333 334 335 336 337 338 339	29,000 20,000 95,000 255,000 5,000 397,000 138,000 403,000 20,000 20,000 5,000	356 357 358	A CONTROL OF THE STATE OF THE S	370 371 372 273 374 375 376 377 380 381 382	6,000	11 30 22 7 7 11 11 4 6 7 7 15 6 8 4 4 1 3 3 5 5 5 5 3 9 9 9 9 9 9 9
0 6 8.6000 5 5.000 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	315 323 324 325 327 328 331 332 333 334 335 336 337 338	29,000 20,000 95,000 255,000 5,000 397,000 138,000 403,000 20,000 20,000 5,000	356 357 358	122,835	370 371 372 273 374 375 376 377 380 381 382	6,000	20 2 2 7 7 111 6 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1
0 6 8.6000 5 5.000 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	315 323 324 325 327 328 331 332 333 334 335 336 337 338	20,000 15,000 245,000 5,000 397,000 138,000 400,000 20,000 2,000 5,000	356 357 358	122,635	371 373 374 375 376 377 378 379 380 381	6,000	2 2 7 7 111 6 6 7 7 15 5 6 4 1 3 5 5 5 5 5 5 5 3 9 9
0 18,000 5,000 5,000 6 5,000 6 5 1,400 3 6,000 3 7,000 3 6,000	323 324 325 327 328 331 332 333 334 335 336 337 338	20,000 15,000 265,000 5,000 538,000 397,000 138,000 403,000 90,000 20,000 5,000	356 357 358	122,833	372 373 374 375 376 377 378 360 361 362	6,000	7 11 6 6 7 1 1 1 1 5 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8,000 5,000 6 8,000 6 8,500 6 8,500 7,000 8,600 3 2,000 3 4,000 3 0,000 3 0,000 3 0,000 3 0,000 3 0,000 3 0,000 0 0 0 0 0 0 0 0 0 0 0 0	323 324 325 326 327 328 331 332 334 335 336 337 338 339	20,000 15,000 265,000 5,000 538,000 397,000 138,000 403,000 90,000 20,000 5,000	356 357 358	122,935	372 373 374 375 376 377 378 360 361 362	6,000	7 11 6 6 7 1 1 1 1 5 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5,000 6 5,000 6 5,000 6 6 7,000 6 6 7,000 6 7,0	323 324 325 327 328 331 332 334 335 336 337 338 339	20,000 15,000 265,000 5,000 538,000 397,000 138,000 403,000 90,000 20,000 5,000	356 357 358	122,533	372 373 374 375 376 377 378 360 361 362	6,000	7 11 6 6 7 1 1 1 1 5 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred

CONCHO RESOURCES Melissa Dimit 600 W III nois Ava Midland, TX 79701

USPS CERTIFIED MAIL 9414 8149 0246 9822 0058 31

OXY Y-1 COMPANY NON-OP LAND PO BOX 27570 HOUSTON, TX 77227

Shipper Ref:

DIMIT - W2 BONE SPRING MASTIFF FED COM WELLS

Reference 1: Reference 2: 204H-205H, 306H-310H, 505H-507H ENCLOSURES - PROPOSALS, AFES, OA



OXY Y-1 Company

PO Box 27570

Houston, TX 77227

Attention: Land Department

May 6, 2019

Re:

Well Proposal - Mastiff Federal Com #204H

Sec 4: E/2 W/2 - T24S-R32E Sec 33: E/2 W/2 - T23S-R32E

Approximate First Take Point: 100' FSL / 1720' FWL, Sec.4-T24S-R32E Approximate Last Take Point: 100' FSL / 1720' FWL, Sec.33-T23S-R32E

Lea County, New Mexico

Dear Sir/Madam:

COG Operating LLC (COG), as Operator, hereby proposes the drilling and completion of the Mastiff Federal Com #204H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 9,450' and a MD of approximately 20,010' to test the Bone Spring Formation ("Operation"). Surface Hole Location and Bottom Hole Location to be determined in accordance with COG's operating plans and surface restrictions on the property. The total cost of the Operation is estimated to be \$10,396,855.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill this well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The Operating Agreement's contract lands will cover the W/2 of Sec. 4-T24S-R32E and the W/2 of Sec. 33-T23S-R32E. It has the following general provisions:

- 100/300 Non-Consenting Penalty
- \$7,500/\$750 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your participation election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG would like to term assign your leasehold under the following general terms:

- Reservation unto Assignor of the positive difference, if any, between existing burdens and 20%
- 3 Year Primary Term
- \$3,000/ Net Acre Bonus Consideration

The term assignment offer is subject to the approval of COG's management and verification of title.

If an agreement cannot be reached within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time.



If you have any questions, please do not hesitate to contact the undersigned at (432) 685-2515.

Respectfully,

Adam C. Reker Landman

	I/We hereby elect to participate in the Mastiff Federal Com #204H.
	I/We hereby elect <u>not</u> to participate in the Mastiff Federal Com #204H.
Company:	OXY Y-1 Company

Date:

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME: MASTIFF FED COM #204H	PROSPECT NAME:	Buildog 2432 (717113)	
FTP: Sec 4: 100 FSL & 1720 FWL	STATE & COUNTY:	New Mexico, Lea	
LTP: Sec 33: 100 FNL & 1720 FWL	OBJECTIVE:	Orill and Complete	
FORMATION: Avalon Shale	DEPTH;	20,010	
LEGAL: Sec 4-24S-32E	TVD:	9,450	

TANGIBLE COSTS eCurativePermit	201	Orig - Rig Release(D) 20,000		Completion(C)		Tank Bttv Constroin(TB)		Pmpq Equipment(PEQ)	101/
urance	202	2,500	302					- AV-4001	2
mages/Right of Way	203	20,000	303		351			10.000	2
rveyfStake Location	204	7,000			352	**			
ation/Pits/Road Expense	205	135.000	305	10,000	353	45,000	366		19
ling / Completion Overhead	206	7,500	306	15,000					2
mkey Contract	207	0						400 100	
otage Contract	208	0		11,000				mentre Secretary	100
ywork Contract	209	495,000				THE STATE OF STREET		11 (49-12) (43)	49
ectional Dilling Services	210	185.000				- 22-2 P/AV		225,000	18
c Equipment			307	1,418,000		2 1000			1,41
sc Chemicals		00000	308	513,000				CONTRACTOR AND AND ADDRESS OF THE PARTY OF T	51
ic Proppant			309	404,000				1581 1115	40
c Proppant Transportation			310	399.000					39
el & Power	211	93 000	311	68.000	354		367		16
ter	212	69,000	312	1,019,000			368		1.07
	213	92,000	313	12.000			369		10
d & Chemicals	214	70.000	314	20,000			370		9
I Slem Test	215	0	315					25.	
ing & Analysis	215	0						The state of the s	
meril Surface	217	25,500				1,3			. 2
ment Intermediale	218	35,000							3
ment 2nd Intermediate/Production	219	130,000				100			13
ment Squeeze & Other (Kickoff Plug)	220	0					371		
at Equipment & Centrafizers	221	32,500				00 200		11.00	3
ting Crews & Equipment	222	39,000	000			100		1199	3
hing Tools & Service plogic/Engineering	221	0	323		40.		372	1 To 1 To 1	
tract Labor	224	8.000	324		355		373		
	225	5,500	325	40.000	356	122,935	374	6.500	. 17
mpany Supervision	226	32,400	326	15,000	357		375		4
ntract Supervision Jing Casting/Tubing	227	85,000	327	182,000	358		376	5,000	27
	228	30,000	328	5,000			377		3
d Lagging Unit	229	28.000	329						2
gging forating/Wirelina Services	230	- 0	420	****			378		
nutation/Treating	231	4.000	331	538.000			379		54
mpletion Unit			332	12.000			350		1
abbing Unit			333	000,000			381	8,800	9
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cking/Forkl//Rig Mobilization			336	80 000	200		384		19
lding Services	237	200,000	337	42,000	350		385	3.000	24
ter Disposa	238		338	5.000	361		386		
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ningency	243		343	250.000	242				
ised Loop & Environmental	244	220.000	344		363		390		29
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direal System					£12	140.007.00	400	11.17	141
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pings/Fifings/Valves	414		514	65 000			534	2.000	- 6
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of the actual costs vicured

CONCHO RESOURCES Melissa Dimit 600 W Illinois Ave Midland, TX 79701

USPS CERTIFIED MAIL



9414 8149 0246 9822 0417 85

THOMAS E JENNINGS THOMAS E JENNINGS 111 S KENTUCKY AVE ROSWELL, NM 88203-4518

Shipper Ref: Reference 1. DIMIT-MASTIFF FED COM E2 WFMP & BS ENCL- PROPOSALS, AFEs. OAs; WFMP & BS



Mr. Jennings,

COG Operating proposed its Mastiff Wells in the E/2 of Sections 4 and 9, T24S-R32E on September 19, 2019 to both First Roswell and you individually. Due to a mistake by our mail group, we cannot prove this fact via our FedEx receipts. Please find the attached proposals which are the exact same as our former proposals other than they are dated today. As an FYI, if a trade agreement has not been reached between EOG Resources Inc. and Concho prior to 1/23/2019... We are going to a contested hearing in Santa Fc over these cases. If your interest remains uncommitted to a JOA, we will name your interest(s) in our Compulsory Pooling Proceedings.

Thanks for your attention on this matter,

Adam Reker, MBA, RPL

Landman COG Operating LLC

arekerazoncho.com



October 28, 2019

Thomas E. Jennings
111 South Kentucky Avenue
Roswell, NM 88203

Re: Well Proposal - Mastiff Federal Com #201H

Sec 4: E/2 E/2 - T24S-R32E Sec 9: E/2 E/2 - T24S-R32E

Approximate First Take Point: 100' FNL / 330' FEL, Sec.4-T24S-R32E Approximate Last Take Point: 100' FSL / 330' FEL, Sec.9-T24S-R32E

Lea County, New Mexico

Dear Sir Madam:

COG Operating LLC (COG), as Operator, hereby proposes the drilling and completion of the Mastiff Federal Com #201H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 9,450' and a MD of approximately 20,010' to test the Bone Spring Formation ("Operation"). Surface Hole Location and Bottom Hole Location to be determined in accordance with COG's operating plans and surface restrictions on the property. The total cost of the Operation is estimated to be \$10,396,855.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

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- 100/300 Non-Consenting Penalty
- \$7,500 \$750 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your participation election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG would like to term assign your leasehold under the following general terms:

- Reservation unto Assignor of the positive difference, if any, between existing burdens and 25%
- 3 Year Primary Term
- \$3,000 Net Acre Bonus Consideration

The term assignment offer is subject to the approval of COG's management and verification of title.

If an agreement cannot be reached within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time.



n you have a	my questions, prease do not nesitate to contact the undersigned at (432) 685-2:
Respectfully	•
Ah	M
Adam C. Rel Landman	ker
	I/We hereby elect to participate in the Mastiff Federal Com #201H.
	I/We hereby clect <u>not</u> to participate in the Mastiff Federal Com #201H.
Company;	Thomas E. Jennings
Ву:	Entrange of this little received programme incorporation and the
Name:	
Title:	
Date:	

CONCHO RESOURCES Melissa Dimit 600 W Illinois Ave Midland, TX 79701

USPS CERTIFIED MAIL



9414 8149 0246 9822 0417 78

FIRST ROSWELL, LTD FIRST ROSWELL, LTD 111 S KENTUCKY AVE ROSWELL NM 88203-4518

Shipper Rel: Reference 1: DIMIT-MASTIFF FED COM E2 WFMP & BS ENCL- PROPOSALS, AFEs, OAs; WFMP & BS



Mr. Jennings (General Partner of First Roswell LTD),

COG Operating proposed its Mastiff Wells in the E/2 of Sections 4 and 9, T24S-R32E on September 19, 2019 to both First Roswell and you individually. Due to a mistake by our mail group, we cannot prove this fact via our FedEx receipts. Please find the attached proposals which are the exact same as our former proposals other than they are dated today. As an FYI, if a trade agreement has not been reached between EOG Resources Inc. and Concho prior to 1/23/2019... We are going to a contested hearing in Santa Fe over these cases. If your interest remains uncommitted to a JOA, we will name your interest(s) in our Compulsory Pooling Proceedings.

Thanks for your attention on this matter,

Adam Reker, MBA, RPL

Landman - COG Operating LLC

AL MA

areker@concho.com

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

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

CASE NOS. 20923, 20924, 20925 & 20926

AFFIDAVIT

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

Ocean Munds-Dry, attorney and authorized representative of COG Operating LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications were provided under the notice letters and proof of receipts attached hereto.

Ocean Munds Dry

SUBSCRIBED AND SWORN to before me this 19th day of February 2020 by Ocean

Munds Dry.



BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico

Case No. 21321 Exhibit No. 4
Submitted by:
COG OPERATING LLC

Hearing Date: November 4, 2020



November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Case No. 20923: Application of COG Operating, LLC for Compulsory Pooling,

Lea County, New Mexico.

Mastiff Fed Com #201H-#203H, #301H-#305H, #501H-#504H 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 December 12, 2019, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required 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 Adam Reker at (432) 685-2515 or AReker@concho.com.

Sincerely,

William F. Carr

Senior Counsel for COG Operating LLC

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SENDER: COMPLETE THIS SECTION 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,	A. Signature X. Agent B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1?

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	PS Form 3800, April 2015 PSN 7830-02-000-9047	See Reverse for Instructions

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November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Case No. 20924: Application of COG Operating, LLC for Compulsory Pooling,

Lea County, New Mexico.

Mastiff Fed Com #204H-#205H, #306H-#310H, #505H-#507H 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 December 12, 2019, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required 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 Adam Reker at (432) 685-2515 or AReker@concho.com.

Singerely,

William F. Carr

Senior Counsel for COG Operating LLC

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November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Case No. 20926: Application of COG Operating, LLC for Compulsory Pooling,

Lea County, New Mexico.

Mastiff Fed Com #706H, #707H, #708H, #709H, #710H 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 December 12, 2019, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. 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.

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If you have any questions about this matter, please contact Adam Reker at (432) 685-2515 or AReker@concho.com.

Sincerely,

William F. Carr

Senior Counsel for COG Operating LLC

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November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Case No. 20925: Application of COG Operating, LLC for Compulsory Pooling,

Lea County, New Mexico.

Mastiff Fed Com #701H, #702H, #703H, #704H, #705H 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 December 12, 2019, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. 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.

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If you have any questions about this matter, please contact Adam Reker at (432) 685-2515 or AReker@concho.com.

Sincerely,

Senior Counsel for COG Operating LLC

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Affidavit of Publication

STATE OF NEW MEXICO **COUNTY OF LEA**

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),

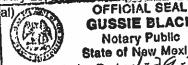
> Beginning with the issue dated December 04, 2019 and ending with the issue dated December 04, 2019.

Sworn and subscribed to before me this 4th day of December 2019.

Business Manager

My commission was represented the second

January 29, 2023



GUSSIE BLACK Notary Public State of New Mexico My Commission Expires

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

LEGAL

EGAL NOTICE DECEMBER 4, 2019

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 December 12; 2019, in Porter Hall, the Oil Conservation Division Hearing Room, 1st Floor, Wardell Chino Bullding, 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are an Individual with a disability who is in need of a reader, ampillier, 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 605-476-3458 or through the New Mexico Helay Network, 1-800-659-1779 by December 2, 2019. 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 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.ennrd.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 overriding royalty interest owners, non-participating royalty interest owners, pooled parties, and working interest owners, including: First Roswell, LTD.; Thomas E. Jennings; EOG Resources, Inc.

Case 20925: Application of COG Operating LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 640-acre, more or less, horizontal spacing unit comprised of Lots 1-2, S/2NE/4, and the SE/4 (E/2 equivalent) of irregular Section 4 and the E/2 of Section 9, Township 24 South, Range 32 East, Lea County, New Mexico. Applicant seeks to decidate the above-referenced horizontal spacing unit to the obligation magnetic decider. following proposed wells:

- The Mastiff Fed Com #701H and the Mastiff Fed Com #702H walls to be drilled from surface hole locations in NE/4NE/4 (Lot 1) of Section 4 to bottom hole locations in the SE/4SE/4 (Unit P) of Section 9.
- The Maetiff Fed Com #703H, Maetiff Fed Com #704H, and the Miletiff Fed Com #705H wells to be drilled from surface hole locations in NW/4NE/4/Lot 2) of Section 4 to bottom hole locations in the SW/4SE/4 (Unit O) of Section 9.

The completed intervals for the proposed Mastiff Fed Com #703H wall will be willin 330' of the quarter-quarter line separating the W/2E/2 and the #72E/2 of Sections 4 and 9 to allow inclusion of this acreage into a standard 440-sere horizontal well spacing unit. 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 23 miles east of Loving, New Mexico. #34939

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COG Operating LLC - SANTA FE 1048 PASEO DE PERALTA SANTA FE, NM 87501

BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico Case No. 21321 Exhibit No. 5 Submitted by: COG OPERATING L Hearing Date: November 4, 2020

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

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 03, 2019 and ending with the issue dated December 03, 2019.

Sworn and subscribed to before me this 3rd day of December 2019.

Business Manager

My commission empires was an antique with **J**anuary 29, 2023

OFFICIAL SEAL

GUSSIE BLACK Notery Public State of New Mexico Concellation Expires

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

LEGAL NOTICE DECEMBER 3, 2019

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 December 12, 2019, in Porter Hall, the Oil Conservation Division Hearing Room, 1st Floor, Wendell Chino Building, 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, for 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 December 2, 2019, 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 persona 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 overriding royalty interest owners, non-participating royalty interest owners, pooled parties, and working interest owners, including: First Roswell, LTD.; Thomas E. Jennings; EOG Resources, inc.

Case 20926: Application of COG Operating LLC for compulsory pooling, Les County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 640-acre, more or less, horizontal spacing unit comprised of Lots 1-2, the S/2NW/4, and the SW/4 (W/2 equivalent) of irregular Section 4, Township 24 South, Range 32 East, and the W/2 of Section 33, Township 23 South, Range 32 East, Lea County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:

- The Mastiff Fed Com #706H, the Mastiff Fed Com #707H, and the Mastiff Fed Com #708H wells to be drilled from surface hole locations in SE/48W/4 (Unit N) of Section 4 to bottom hole locations in the SE/4SW/4 (Unit N) of Section 33.
- The Mastiff Fed Com #709H and the Mastiff Fed Com #710H walls to be drilled from surface hole locations in SW/4SW/4 (Unit M) of Section 4 to bottom hole locations in the SW/4SW/4 (Unit M) of Section 33.

The completed intervals for the proposed Mastiff Fed Com #708H well will be within 330' of the quarter-quarter line separating the W/2W/2 and the E/2W/2 of Section 4, Township 24 South, Range 32 East, and Section 33, Township 23 South, Range 32 East, to allow inclusion of this acreage into a standard 640-dare horizontal well spacing unit. Also, to be considered will be the cost diffling and completing the wells, the allocation of the cost thereof, the actual operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 23 miles east of #34934

67115004

00236741

COG Operating LLC - SANTA FE 1048 PASEO DE PERALTA **SANTA FE, NM 87501**

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

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 04, 2019 and ending with the issue dated December 04, 2019.

Publisher

Sworn and subscribed to before me this 4th day of December 2019.

Business Manager

(Seal) OFFICIAL SEAL

GUSSIE BLACK

Notary Public

State of New Mexico

My Commission Expires

This newspaper is duly idealified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said



LEGAL NOTICE DECEMBER 4, 2019

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

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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 overriding royalty interest owners, non-participating royalty interest owners, pooled parties, and working interest owners, including: First Roswell, LTD.; Thomas E. Jennings; EOG Resources, inc.

Case 20923: Application of COG Operating LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Bone Spring formation underlying a standard 640-acre, more or less, horizontal apacing underprised of the Lots 1-2, S/2NE/4, and the SE/4 (E/2 equivalent) of irregular comprised of the E/2 of Section 9, Township 24 South, Range 32 East, Lea County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:

- The Mastiff Fed Com #201H, the Mastiff Fed Com #202H, the Mastiff Fed Com #301H, the Mastiff Fed Com #302H, Maetiff Fed Com #501H, and the Mastiff Fed Com #502H wells to be drilled from surface hole locations in NE/4NE/4 (Lot 1) of Section 4 to bottom hole locations in the SE/4SE/4 (Unit P) of Section 9.
- The Mastiff Fed Com #203H, the Mastiff Fed Com #303H, the Mastiff Fed Com #304H, the Mastiff Fed Com #305H, the Mastiff Fed Com #503H, and the Mastiff Fed Com #504H wells to be drilled from surface hole locations in NW/4NE/4 (Lot 2) of Section 4 to bottom hole locations in the SW/4SE/4 (Unit O) of Section 9.

The completed intervals for the proposed Mastiff Fed Com #202H well will be within 330' of the quarter-quarter line separating the W/2E/2 and the E/2E/2 of Sections 4 and 9 to allow inclusion of this acreage into a standard 640-acro horizontal well spacing unit. 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 23 miles east of Loving, New Mexico.

67115004

00236774

COG Operating LLC - SANTA FE 1048 PASEO DE PERALTA SANTA FE, NM 87501

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

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 04, 2019 and ending with the issue dated December 04, 2019.

Publisher

Sworn and subscribed to before me this 4th day of December 2019.

Business Manager

My commission expires

January 201 2025



OFFICIAL SEAL **GUSSIE BLACK Notary Public** State of New Mexico My Commission Expires 243

his newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL

LEGAL

LEGAL NOTICE DECEMBER 4, 2019

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

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

To: All overriding royalty interest owners, non-participating royalty interest owners, pooled parties, and working interest owners, including: First Roswell, LTD.; Thomas E. Jennings; EOG Resources, Inc.

Case 20924: Application of COG Operating LLC for computery pooling Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Bone Spring formation underlying a standard 640-acre, more or less, horizontal spacing unit comprised of Lots 3:4, the S/2NW/4, and the SW/4 (W/2 equivalent) of irregular Section 4, Township 24 South, Range 32 East, and the W/2 of Section 33, Township 23 South, Range 32 East, Lea County, New Mexico. Applicant seeing to dedicate the above-referenced horizontal spacing unit to the following proposed wells:

- The Mastiff Fed Com #204H, the Mastiff Fed Com #306H, and the Mastiff Fed Com #307H wells to be drilled from surface hole locations in SE/4SW/4 (Unit N) of Section 4 to bottom hole locations in the NE/4NW/4 (Unit C) of
- The Mastiff Fed Com #205H, the Mastiff Fed Com #308H, the Mastiff Fed Com #308H, the Mastiff Fed Com #309H, the Mastiff Fed Com #505H, the Mastiff Fed Com #505H, the Mastiff Fed Com #507H wells to be drilled from surface hole locations in SW/4SW/4 (Unit M) of Section 4 to bottom hole ilocations in the NW/4NW/4 (Unit D) of Section 33.

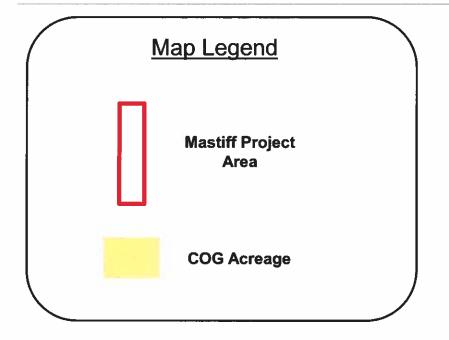
The completed intervals for the proposed Mastiff Fed Com #308H well will be within 330° of the quarter-quarter line separating the W/2W/2 and the E/2W/2 of Sections 4 and 33 to allow inclusion of this acreage into a standard 640-acre horizontal well spacing unit. Also, to be considered will be the cost 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 23 miles east of Loving, New Mexico.

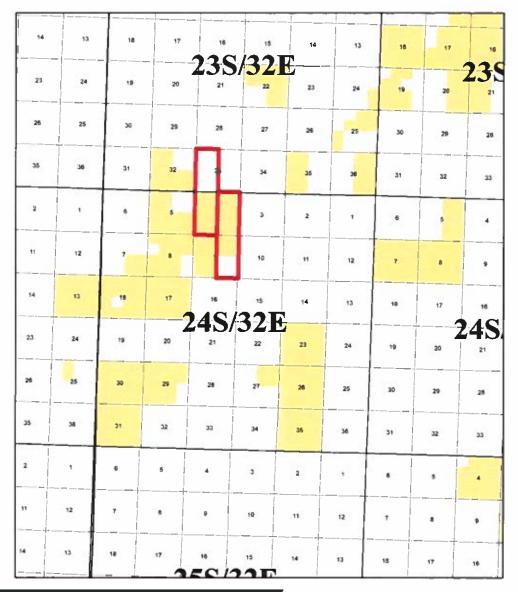
67115004

00236767

COG Operating LLC - SANTA FE 1048 PASEO DE PERALTA **SANTA FE, NM 87501**

Location Map-Mastiff Project Area





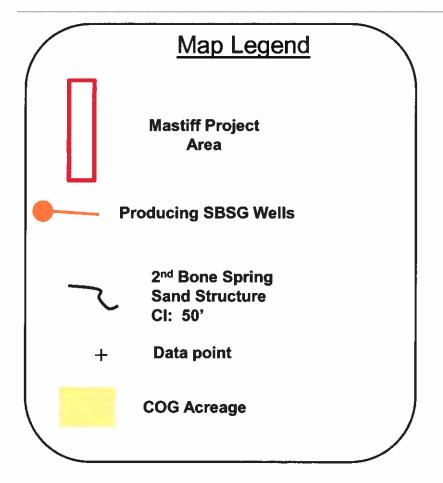


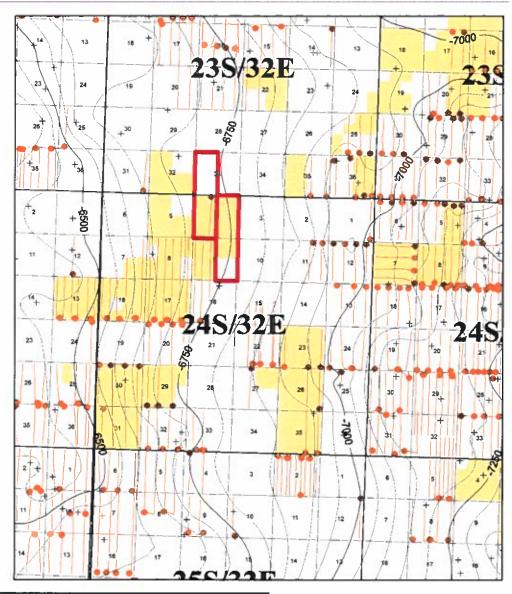
BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 6
Submitted by:

COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 501H, 502H, 503H, 504H, 505H, 506H, & 507H







BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 7
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 501H, 502H, 503H, 504H, 505H, 506H, & 507H

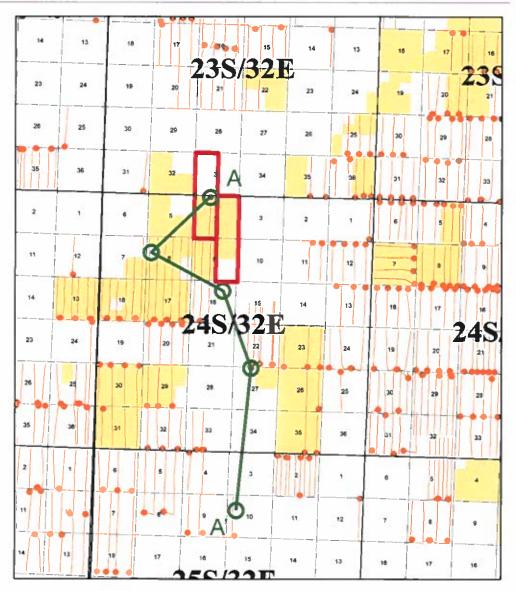
Map Legend

Mastiff Project Area

Producing SBSG Wells

Cross Section Line A-A'

COG Acreage



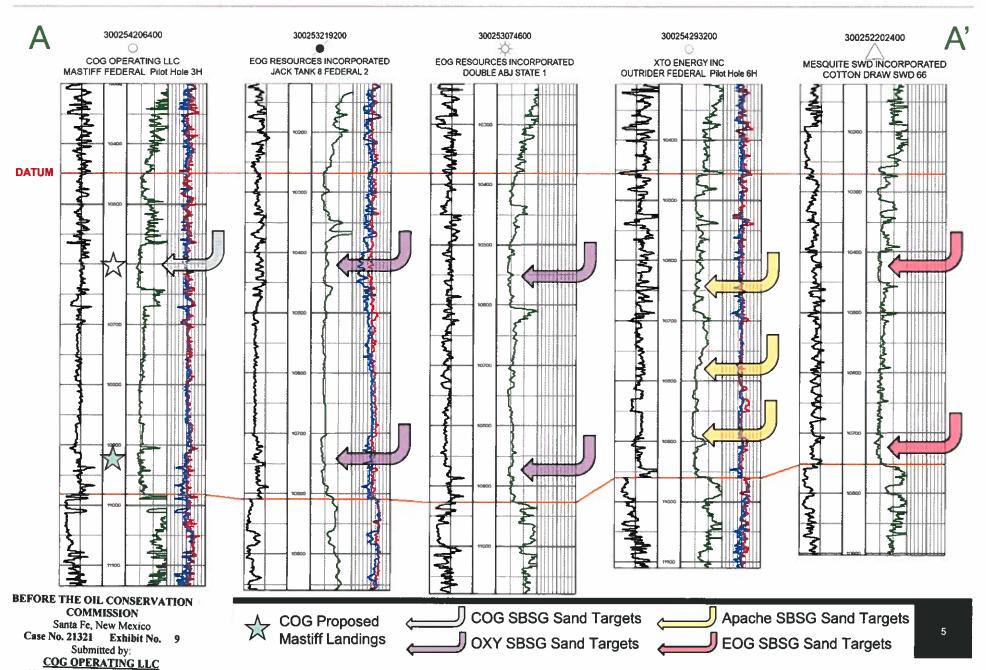


BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 8
Submitted by:

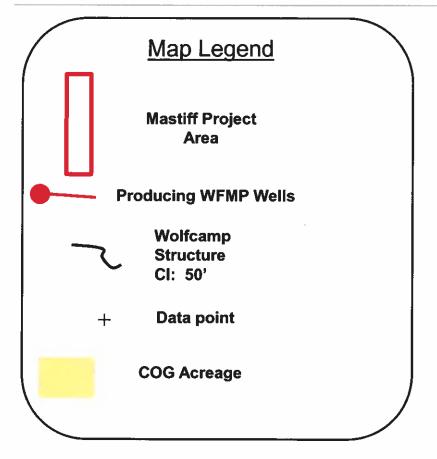
COG OPERATING LLC
Hearing Date: November 4, 2020

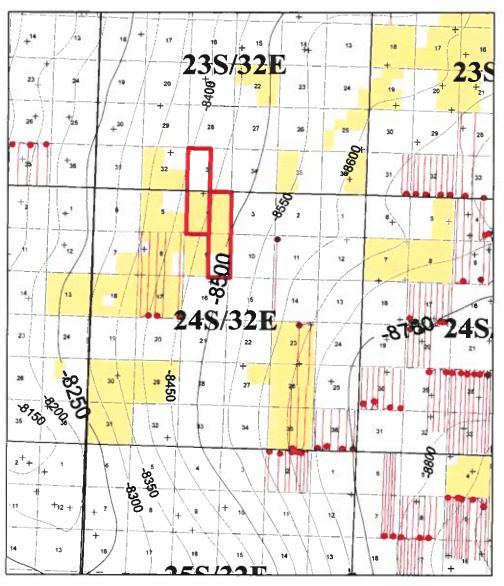
Mastiff Federal Com 501H, 502H, 503H, 504H, 505H, 506H, & 507H



Hearing Date: November 4, 2020

Mastiff Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, & 710H







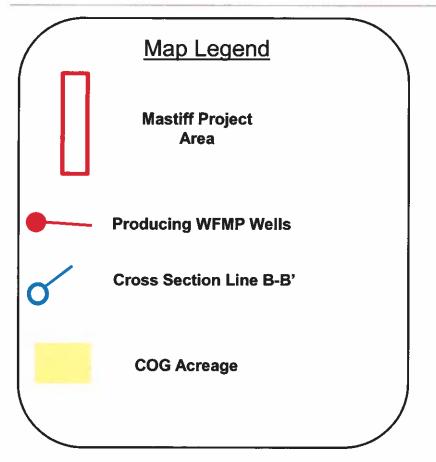
BEFORE THE OIL CONSERVATION COMMISSION

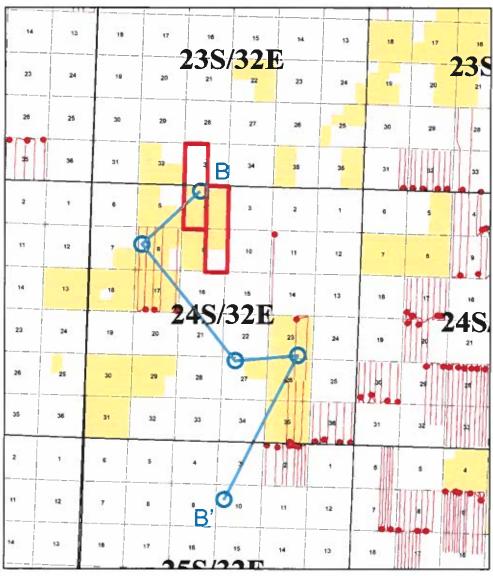
Santa Fe, New Mexico

Case No. 21321 Exhibit No. 10 Submitted by:

COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, & 710H





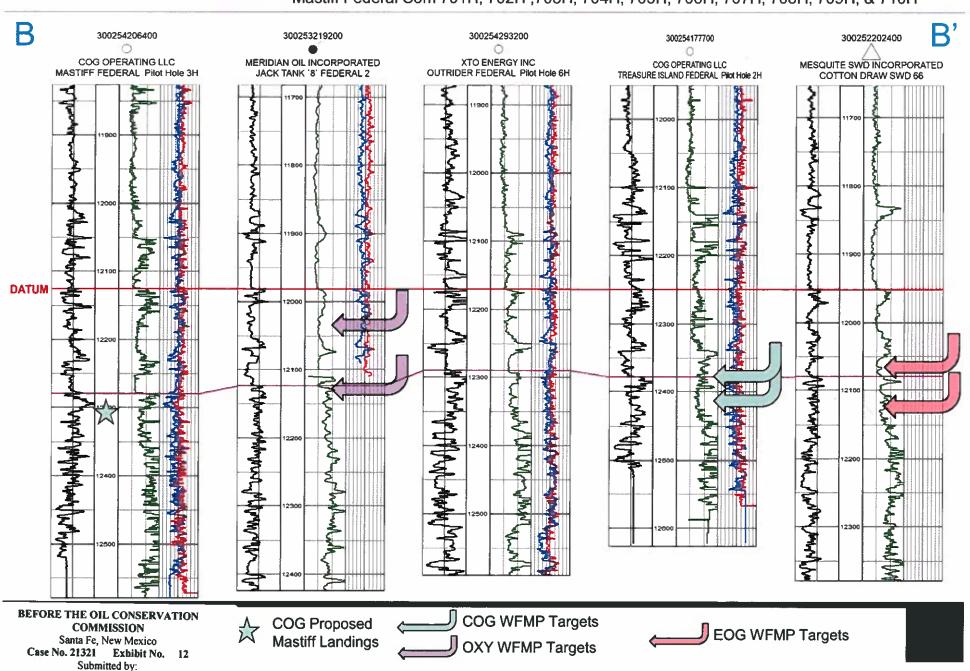


BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 11

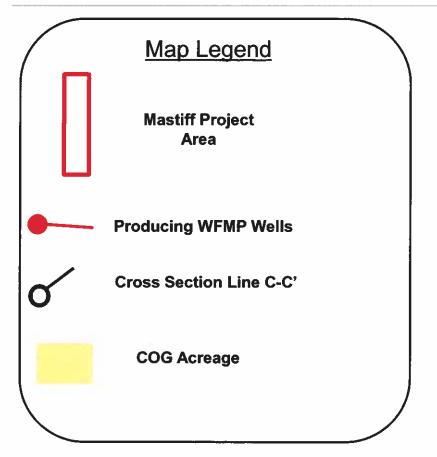
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

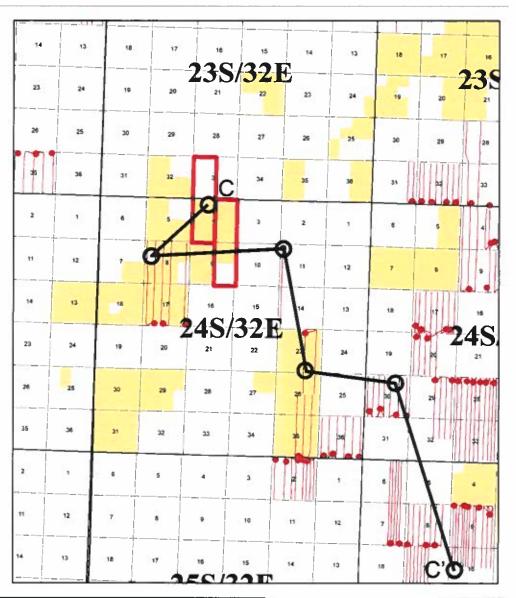
Mastiff Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, & 710H



COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, & 710H



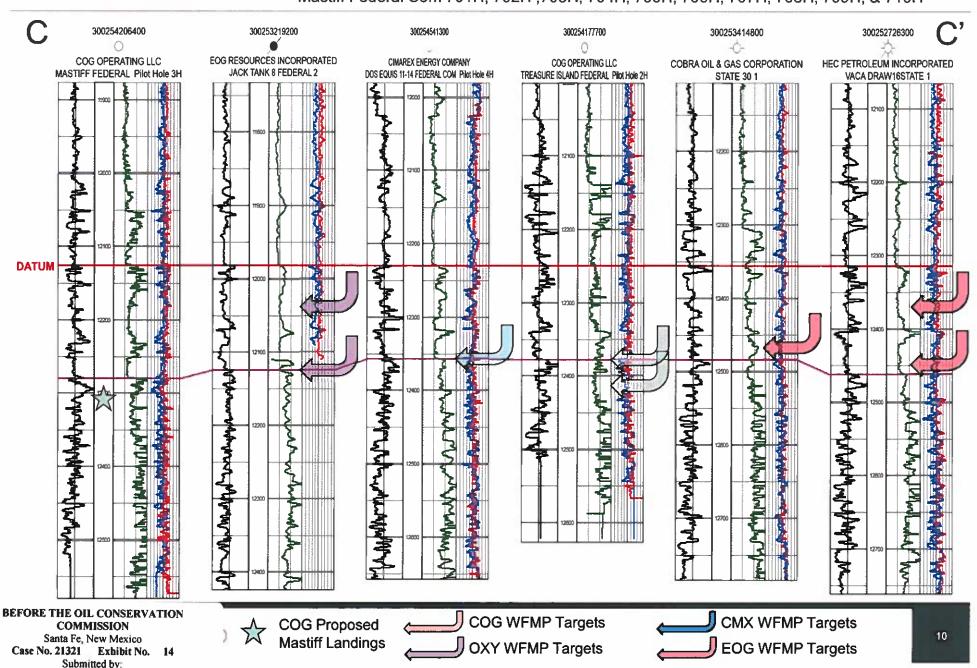




BEFORE THE OIL CONSERVATION COMMISSION

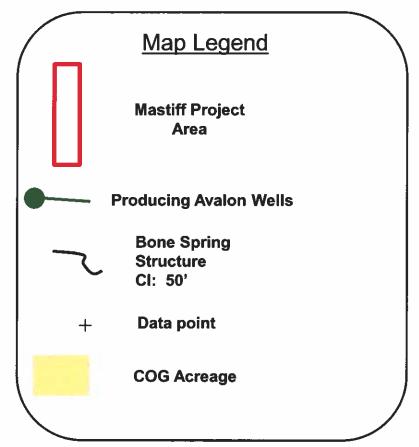
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 13
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

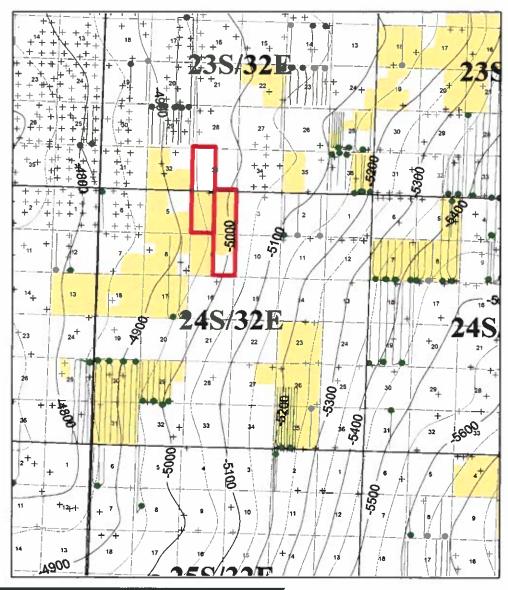
Mastiff Federal Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, & 710H



COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 201H, 202H, 203H, 204H, 205H, 301H, 302H, 303H, 304H, 305H, 306H, 307H, 308H, 309H, & 310H







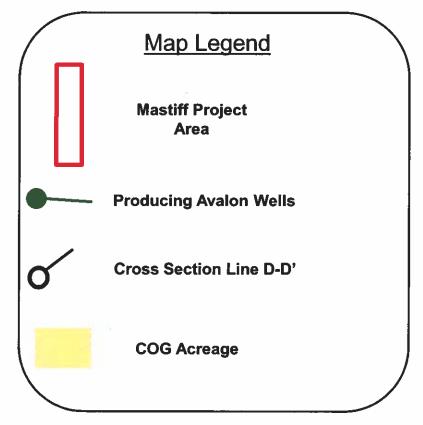
BEFORE THE OIL CONSERVATION COMMISSION

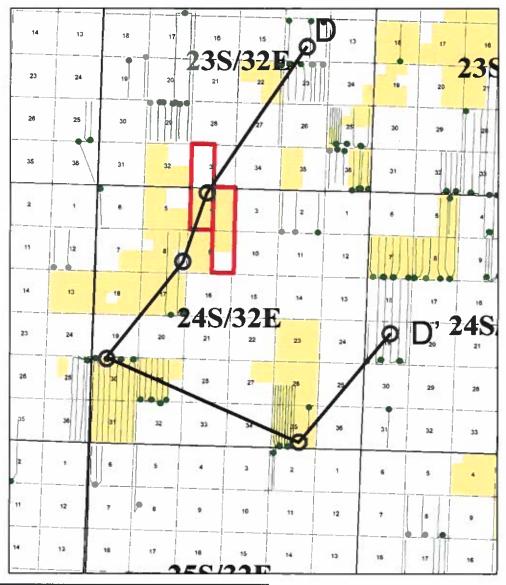
Santa Fe, New Mexico

Case No. 21321 Exhibit No. 15 Submitted by:

COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 201H, 202H, 203H, 204H, 205H, 301H, 302H, 303H, 304H, 305H, 306H, 307H, 308H, 309H, & 310H



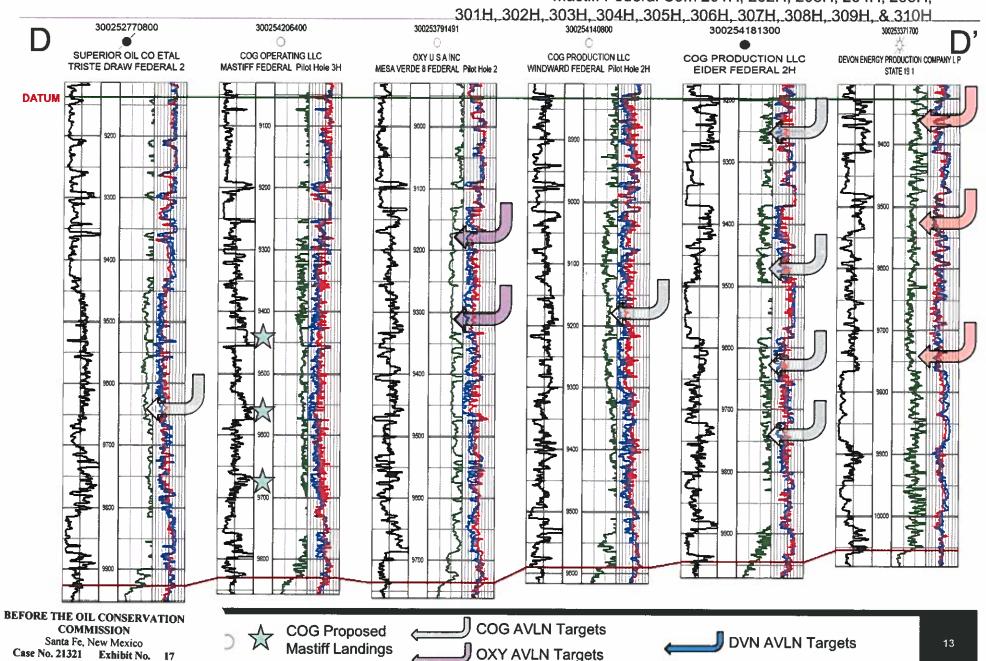




BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 16
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Mastiff Federal Com 201H, 202H, 203H, 204H, 205H,



Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020





Well Criteria

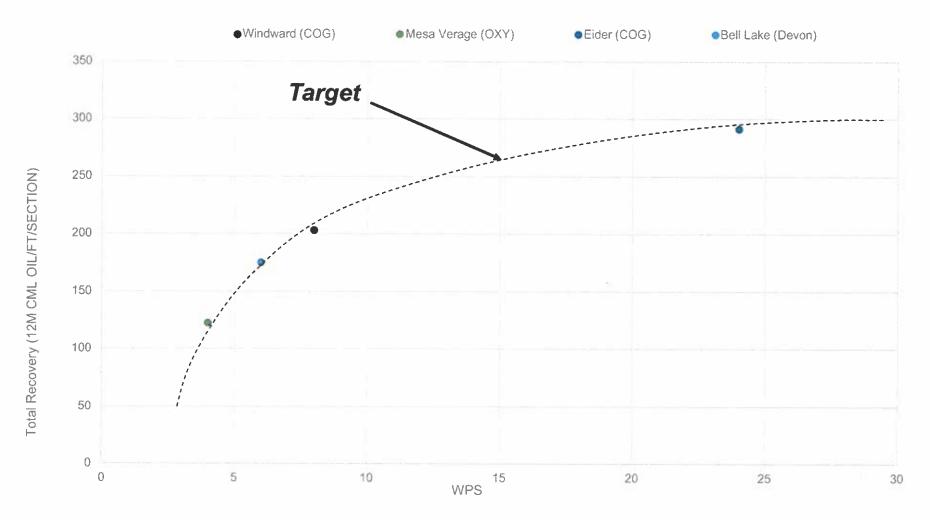
Selected interior Avalon wells geologically analogous to the proposed Mastiff project with modern completions over a range of spacings

This was used to find trends in well performance and recovery to determine the optimal development plan to economically maximize recovery



Interior Avalon Wells Average By Project

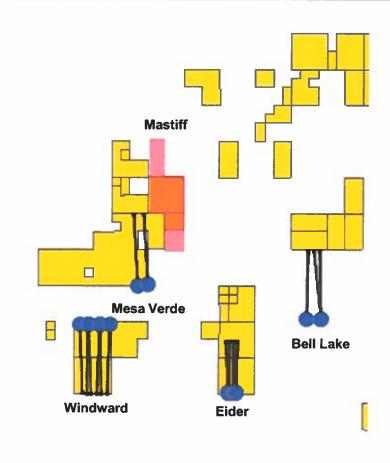
Average Total Recovery by Avalon Project Geologically Equivalent to Mastiff





Well List

Alias	API	YOP
BELL LAKE 19 18 STATE COM 007H	3002545451	2019
BELL LAKE 19 18 STATE COM 010H	3002545453	2019
BELL LAKE 19 18 STATE COM 013Y	3002545621	2019
EIDER FEDERAL 102H	3002544630	2019
EIDER FEDERAL 103H	3002544631	2019
EIDER FEDERAL 104H	3002544632	2019
EIDER FEDERAL 201H	3002544634	2019
EIDER FEDERAL 202H	3002544627	2019
EIDER FEDERAL 203H	3002544635	2019
EIDER FEDERAL 302H	3002544637	2019
EIDER FEDERAL 303H	3002544638	2019
EIDER FEDERAL 304H	3002544639	2019
MESA VERDE BS UNIT 001H	3002544101	2018
MESA VERDE BS UNIT 003	3002544183	2018
WINDWARD FEDERAL 10H	3002543567	2017
WINDWARD FEDERAL 11H	3002543707	2017
WINDWARD FEDERAL 6H	3002543465	2017
WINDWARD FEDERAL 7H	3002543516	2017
WINDWARD FEDERAL 8H	3002543517	2017
WINDWARD FEDERAL 9H	3002543566	2017



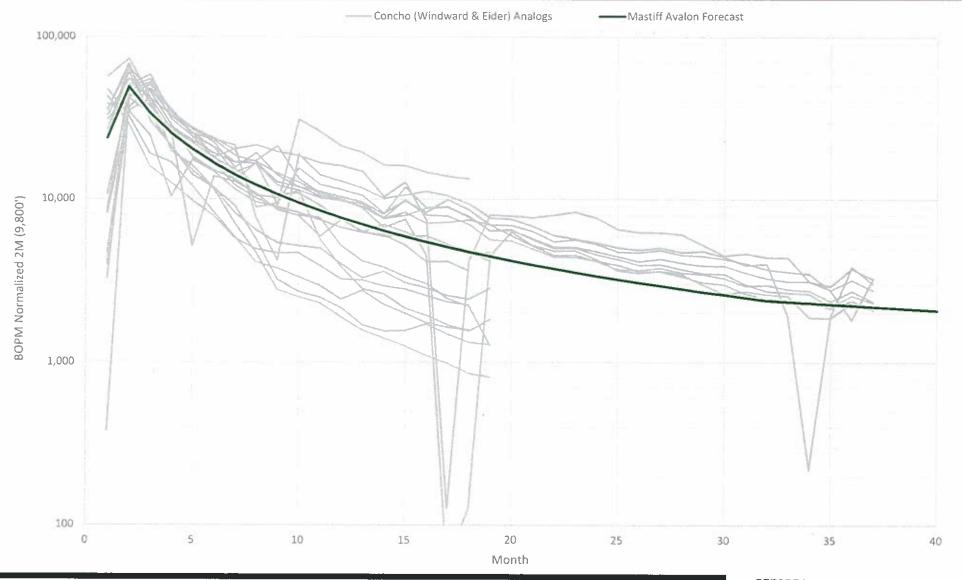


BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
Case No. 21321 Exhibit No. 20
Submitted by:
COG OPERATING LLC

Hearing Date: November 4, 2020

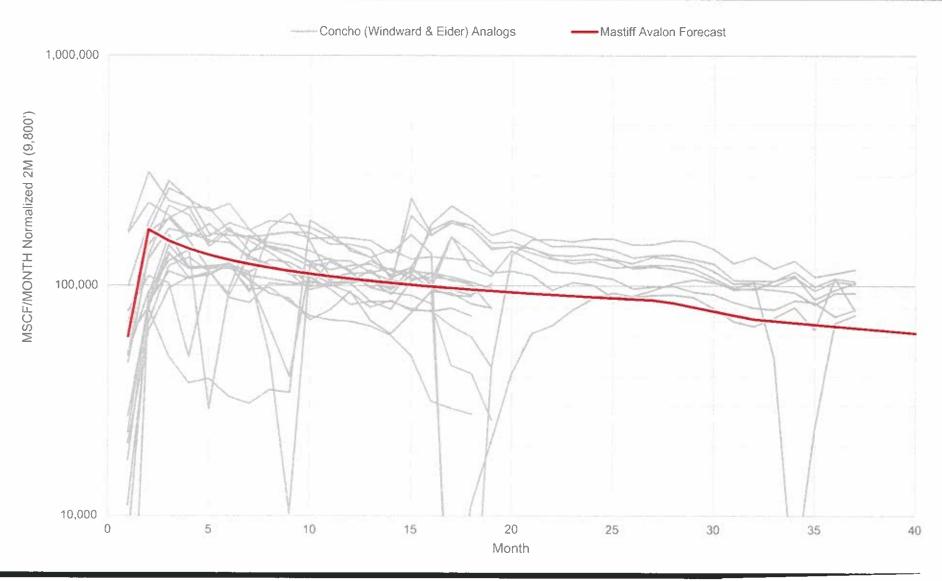
Oil Type Curve





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 21
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

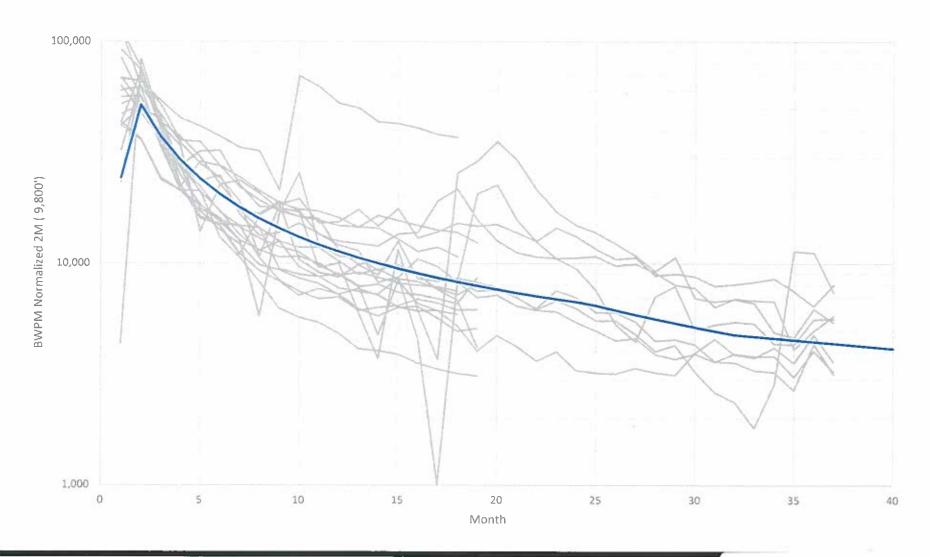
Gas Type Curve





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 22
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Water Type Curve





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 23
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Economics

W/2 Section 33, T23S-R32E & Section 4, T24S-R32E

Name	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (\$M)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO)	50/42.75	8	10.4	450	1,700	55%	3,128	25	3.6
Mastiff + 10% (CXO)	50/42.75	5	10.4	500	1,880	70%	4,000	20	2.5
							Δ	5	1.1

E/2 Section 4 & 9, T24S-R32E

Name	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (SM)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO)	75/62.75	7	10.4	450	1,700	50%	4.408	31	3.2
Mastiff + 10% (CXO)	75/62.75	5	10.4	500	1,880	66%	5,724	29	2.5
							Δ	2	0.7

By drilling at higher density spacing, Concho will recover and additional 1.8 MMBO and 7 million PV10



1.8

Total A





Type Curve Wells

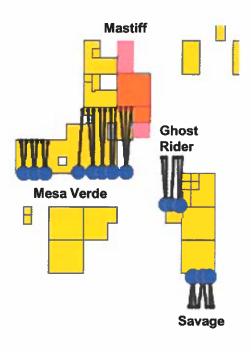
Selected SBSG wells geologically analogous to the proposed Mastiff project with modern completions with similar spacing.



Well List

Alias	API10
GHOST RIDER 22 15 FEDERAL COM 201H	3002545645
GHOST RIDER 22-15 FEDERAL COM 202H	3002545769
GHOST RIDER 22-15 FEDERAL COM 203H	3002545770
GHOST RIDER 22-15 FEDERAL COM 205H	3002545772
GHOST RIDER 22-15 FEDERAL COM 206H	3002545773
MESA VERDE BONE SPRING UNIT 021H	3001544546
MESA VERDE BONE SPRING UNIT 021H	3001544546
MESA VERDE BONE SPRING UNIT 023H	3002544560
MESA VERDE BONE SPRING UNIT 023H	3002544560
MESA VERDE BS UNIT 004H	3002544064
MESA VERDE BS UNIT 004H	3002544064
MESA VERDE BS UNIT 005H	3002544185
MESA VERDE BS UNIT 005H	3002544185
MESA VERDE BS UNIT 006H	3002544042
MESA VERDE BS UNIT 006H	3002544042
MESA VERDE BS UNIT 007H	3002544065
MESA VERDE BS UNIT 007H	3002544065
MESA VERDE BS UNIT 008H	3002544184
MESA VERDE BS UNIT 008H	3002544184
MESA VERDE BS UNIT 009H	3002544194
MESA VERDE BS UNIT 009H	3002544194
MESA VERDE BS UNIT 010H	3002544188

Alias	API10
MESA VERDE BS UNIT 010H	3002544188
MESA VERDE BS UNIT 016H	3001544551
MESA VERDE BS UNIT 016H	3001544551
MESA VERDE BS UNIT 017H	3001544550
MESA VERDE BS UNIT 017H	3001544550
MESA VERDE BS UNIT 018H	3001544549
MESA VERDE BS UNIT 018H	3001544549
MESA VERDE BS UNIT 019H	3001544548
MESA VERDE BS UNIT 019H	3001544548
MESA VERDE BS UNIT 020H	3001544547
MESA VERDE BS UNIT 020H	3001544547
MESA VERDE BS UNIT 022H	3002544559
MESA VERDE BS UNIT 022H	3002544559
MESA VERDE BS UNIT 024H	3002544561
MESA VERDE BS UNIT 024H	3002544561
SAVAGE 2 STATE COM 503H	3002545672
SAVAGE 2 STATE COM 505Y	3002545814
SAVAGE 2 STATE COM 506H	3002545693
SAVAGE 2 STATE COM 507H	3002545694
SAVAGE 2 STATE COM 508H	3002545695





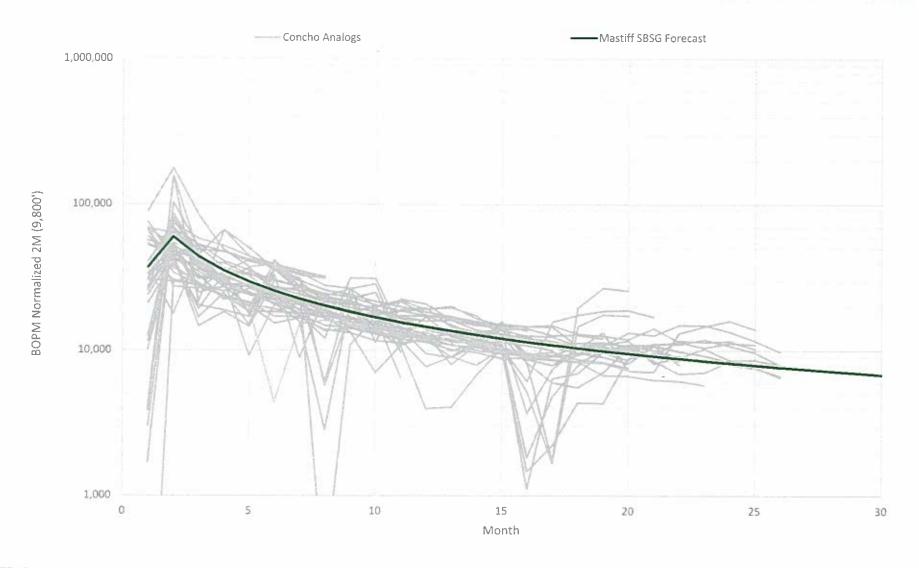
BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 26

Submitted by:

COG OPERATING LLC

Hearing Date: November 4, 2020

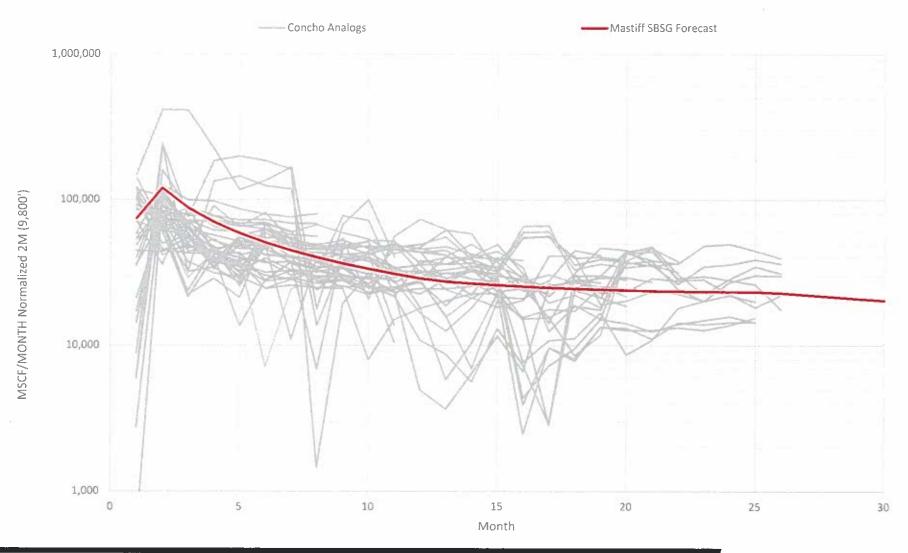
Oil Type Curve





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 27
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

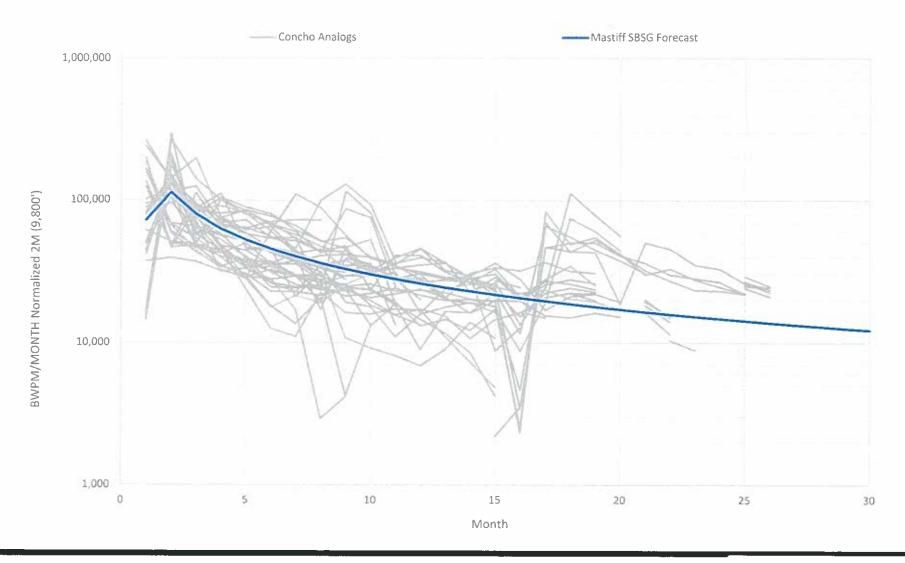
Gas Type Curve





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 28
Submitted by:
COG OPERATING LLC
Hearing Date: November 4, 2020

Water Type Curve





BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Case No. 21321 Exhibit No. 29

Submitted by: COG OPERATING LLC

Hearing Date: November 4, 2020

Economics

W/2 Section 33, T23S-R32E & Section 4, T24S-R32E

Name	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (\$M)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO)	50/42.75	2	11.8	1116	1,605	78	6,198	12.4	32.1

E/2 Section 4 & 9, T24S-R32E

Name 	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (\$M)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO)	75/62.75	4	11.8	1,116	1,605	75	8,880	36	64.2



SBSG Parent-Child

Well _	Operator	MOFP	Lb/ft	Gal/ft	Cumulative Fluid at time of Offset	Offsetting Well	Horizontal Offsetting Distance	Vertical Offsetting Distance	% Overlap
Mamba BQN State Com 2H	EOG	June-2014	959	679	369,437	Mamba 30 State Com 505H	750	0	100
Undaunted BSD State Com 1H	EOG	Mar-2013	723	592	478,416	Savage 2 State Com 506H	495	275	100
Taipan BST State 1H	EOG	May-2014	985	726	374,932	Tiapan 31 State 503H	865	310	100
Mastiff Federal 3H	COG	May-2016	1,407	1,347	724,191*	Mastiff Project	1000+	250	50



BEFORE THE OIL CONSERVATION
COMMISSION
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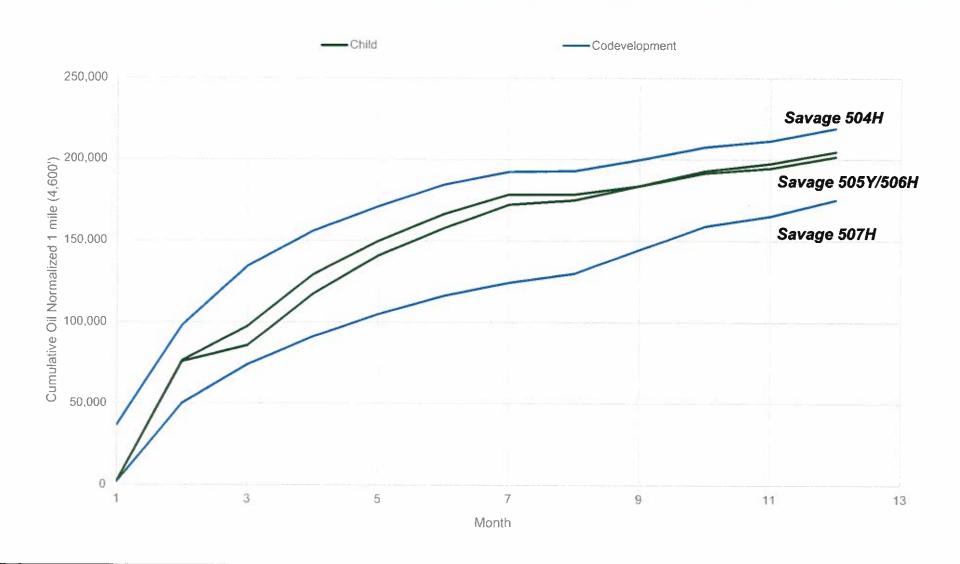
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 31
Submitted by

Submitted by:

COG OPERATING LLC

Hearing Date: November 4, 2020

Parent-Child





BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 32

Submitted by:

COG OPERATING LLC

Hearing Date: November 4, 2020





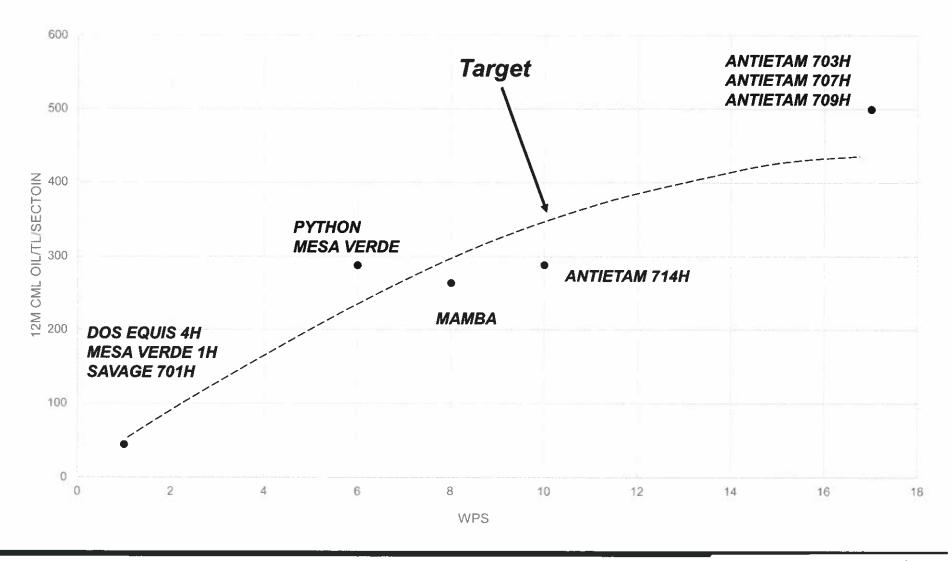
Well Criteria

Selected interior Wolfcamp A wells geologically analogous to the proposed Mastiff project with modern completions over a range of spacings.

This was used to find trends in well performance and recovery to determine the optimal development plan to economically maximize recovery



Interior Wolfcamp Wells



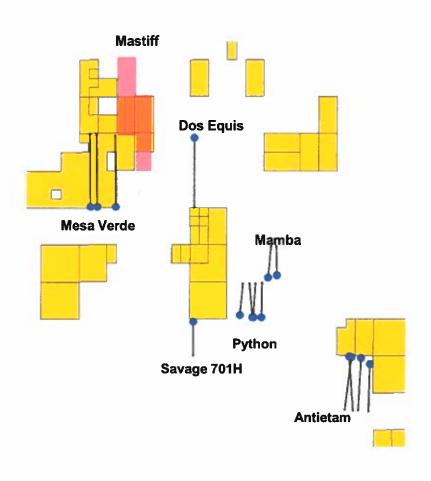


BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case No. 21321 Exhibit No. 34
Submitted by:
COG OPERATING LLC

Hearing Date: November 4, 2020

Well List

Alias	API
ANTIETAM 9 FEDERAL COM 703H	3002543479
ANTIETAM 9 FEDERAL COM 707H	3002544349
ANTIETAM 9 FEDERAL COM 709H	3002544352
ANTIETAM 9 FEDERAL COM 714H	3002545477
DOS EQUIS 11 14 FEDERAL COM 004H	3002545413
MAMBA 30 STATE COM 707H	3002545319
MAMBA 30 STATE COM 709H	3002545321
MESA VERDE WC UNIT 001H	3002544195
MESA VERDE WC UNIT 006H	3002545863
MESA VERDE WC UNIT 007H	3002545920
PYTHON 36 STATE 705H	3002545697
PYTHON 36 STATE 706H	3002545740
PYTHON 36 STATE 707H	3002545698
PYTHON 36 STATE COM 704H	3002545739
SAVAGE 2 STATE COM 701H	3002544975

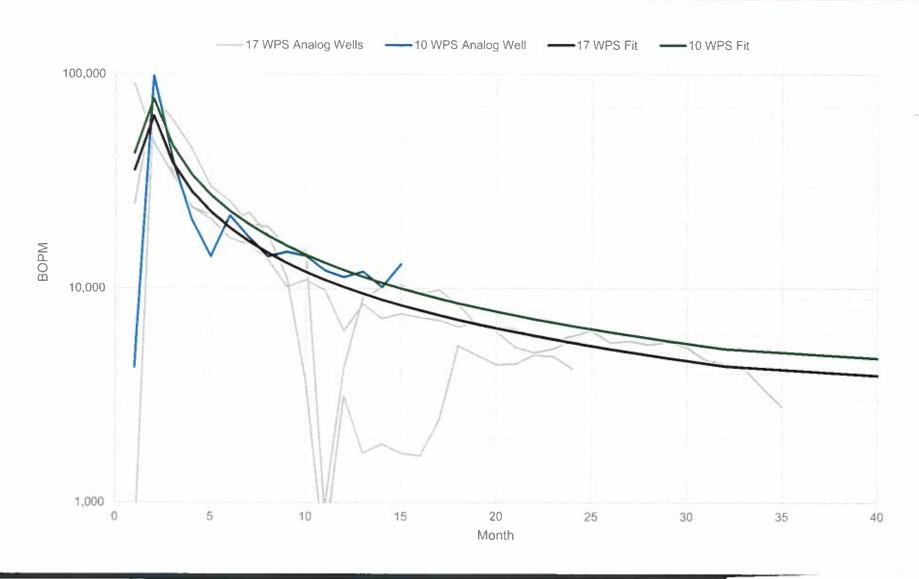




Santa Fe, New Mexico
Case No. 21321 Exhibit No. 35

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COG OPERATING LLC
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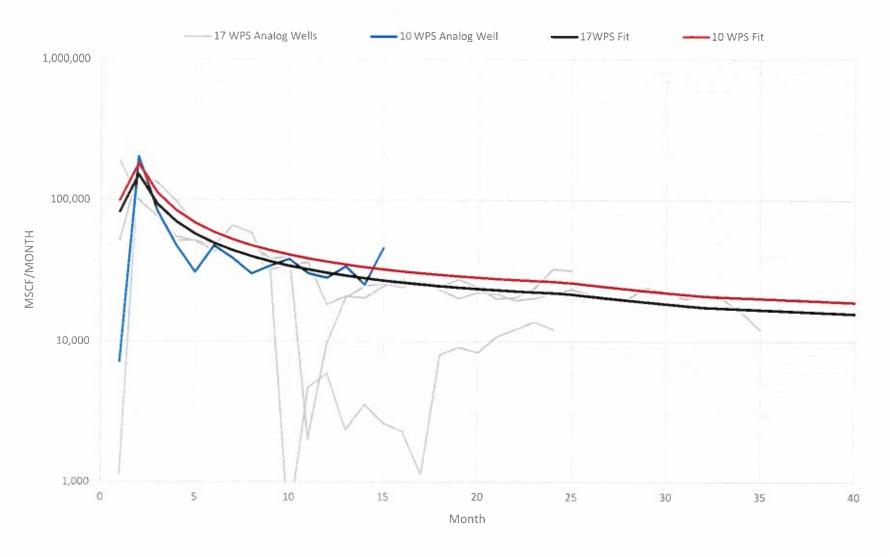
Oil Type Curve





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Gas Type Curve

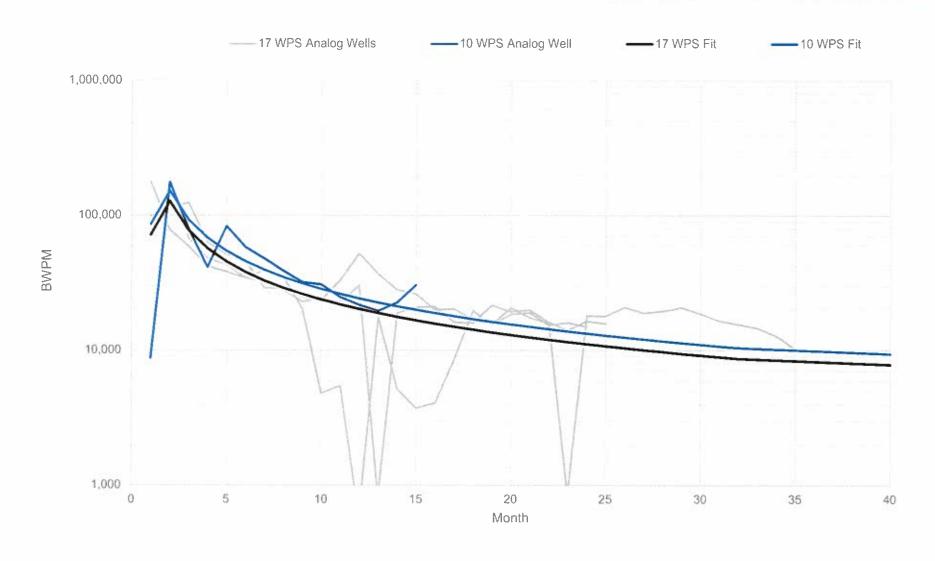




BEFORE THE OIL CONSERVATION
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Case No. 21321 Exhibit No. 37

Submitted by:
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Water Type Curve





BEFORE THE OIL CONSERVATION
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Case No. 21321 Exhibit No. 38
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Economics

W/2 Section 33, T23S-R32E & Section 4, T24S-R32E

Name	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (\$M)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO) 10 WPS	50/42.75	5	13.9	960	1510	50	4,265	21.3	4.8
Mastiff (CXO) 8 WPS	50/42.75	4	13.9	960	1510	50	4,265	17	3.8

E/2 Section 4 & 9, T24S-R32E

Name	WI/NRI	Number of Wells	Total Cost/Well (\$MM)	EUR (MBO/Well)	EUR (MBOE/Well)	ROR (%)	PV10/Well (\$M)	Total Project PV10 (\$MM)	Total Project EUR (MMBO)
Mastiff (CXO) 10 WPS	75/62.75	5	13.9	960	1510	47	6,010	30	4.8
Mastiff (CXO) 8 WPS	75/62.75	4	13.9	960	1510	47	6,010	24	3.8

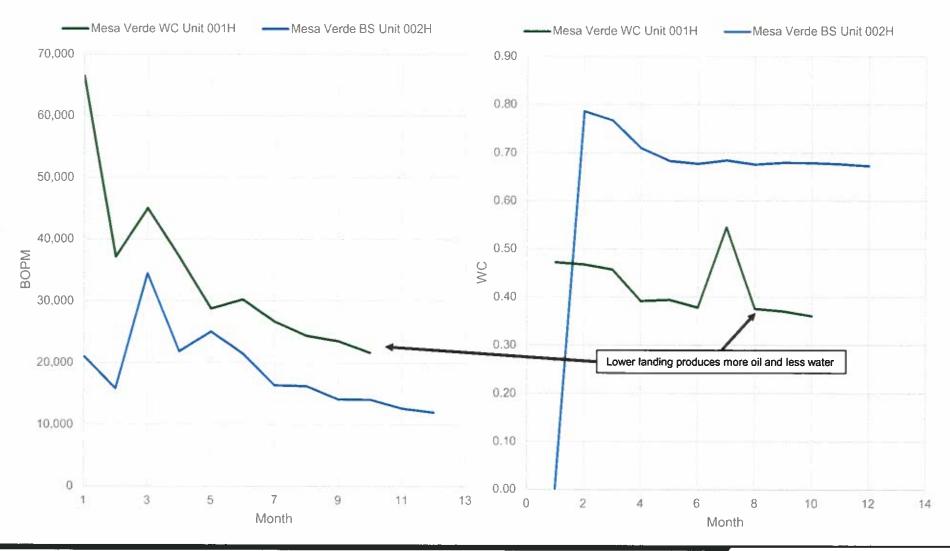
Δ	6	1
Total A	10.3	2

By drilling at higher density spacing, Concho will recover and additional 2 MMBO and 10 million PV10



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Wolfcamp A Landing





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