

Huckleberry State Com 501H, 502H, 503H, 504H, 505H, 506H, & 507H Section 27-23S-33E COG OPERATING LLC





OCD - HOBBS 09/26/2018

DISTRICT 1
State of New Mexico
1889 N. FEDERAL DR., HOUSES, No. 88540 Energy, Minerals & Natural Resources DepartmentRECEIVED

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Form C-102
Revised August 1, 2011
Rubmit one copy to appropriate
District Office

DISTRICT III
1000 MIO BRAZOS RD., AZTEC, MM 87410
Phones: (806) 1234-5178 Parz (806) 234-6178
DISTRICT IV
1228 E. ST. FRANCES DR. EANTA ST. MM 87405
Phones: (806) 478-3460 FAM: (805) 478-3464

Santa Fe, New Mexico 87505

AMENDED REPORT

	WELL	LOCATION	AND	ACKEAGE	DEDICATION	PLAT
231 410-2404	*****	TARAMICAL	ABTER	ACREACE	DEDTELMINAL	TAY A FEE

API Number 30-025- 45231	97895	WC-025 G-08 S213304D; BONE SPRING Wildcat; Bone Spring		
Property Code 322447		Party Name RRY STATE COM	Well Number 501H	
229137 No.		ERATING, LLC	5766.4'	

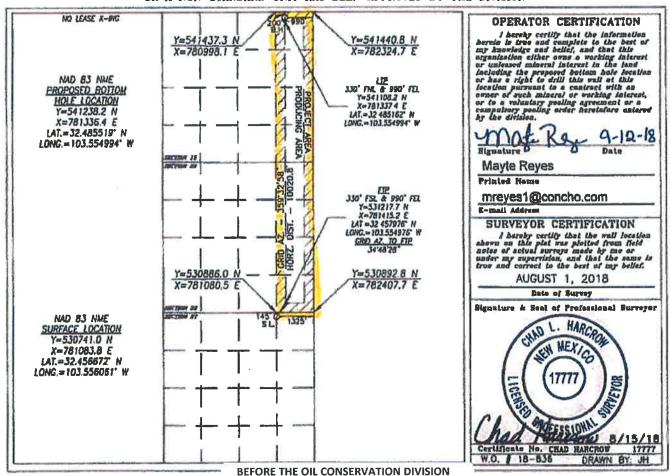
Surface Location

UL or lot No.	Section	Tewnship	Hangs	Lot ida	Feet from the	Nerth/South line	Feet from the	East/West line	County
A	27	21-5	33-E		145	NORTH	1325	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section 15	Township 21-S	-/-	Let Idn	Feet from the 200	North/South line NORTH	Feet from the 990	East/West Hose EAST	County
Dedicated Acre 320	a Joint o	r lafill Ce	asciidation (ode Dr	der Na.				

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



Santa Fe, New Mexico

Exhibit No. 1

Submitted by: **CONCHO COG OPER.**Hearing Date: October 18, 2018
Case Nos. 16458-16461

DISTRICT II 611 S. PERT ST., ARTESIA, NM 88210 Pages (676) 748-1883 Fas: (676) 748-9783

OCD - HOBBS State of New Mexico DISTRICT I State of New Mexico State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

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

09/26/2018 RECEIVED C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

DISTRICT IV

AMENDED REPORT

pine: (1993) 479-3480 PAG: (1995) 472-340	WELL LOCATION AT	ND ACREAGE DEDICATION PLA	Т		
API Number 30-025- 45232	Peal Code 97895				
Property Code 322447	HUCKLE	HUCKLEBERRY STATE COM			
229137	COG	Operator Name OPERATING, LLC	Elevation 3764.B'		

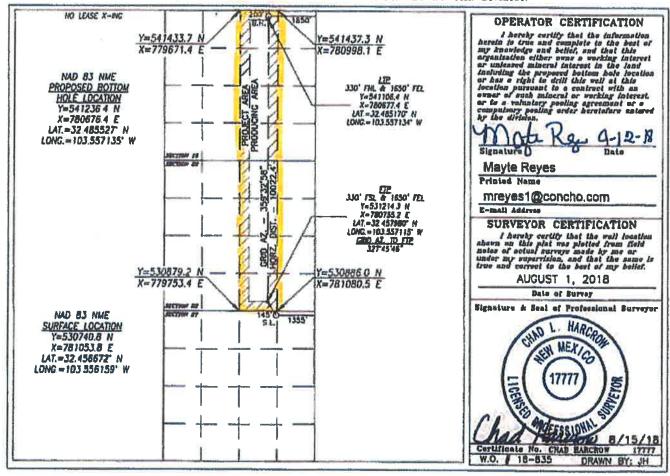
Surface Location

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	Nerth/South line	Feet from the	East/West line	County
В	27	21-5	33-E		145	NORTH	1355	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No. B			Renge 33-E	Lot 1dm	Feet from the 200	North/South line NORTH	feet from the 1650	EAST	LEA
320	Jeint e	L TOUTH	Concolidation (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



State of New Mexico

WARDER DE MONTE DE PROPER DE PROPER DE PARTICIPATION DE PROPER DE PARTICIPATION DE PART OIL CONSERVATION DIVISION RECEIVED

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

Form C-102 Revised August 1, 2011 Buhmit one capy to appropriate District Office

OCD - HOBBS

DISTRICT III 1000 MG MAALOS RD., ATTEC, NM 07410 Phone: (806) 234-6178 Par: (806) 234-6178

DISTRICT IV 1880 S. ST. PAUNCIS DR. BASTA FF. 804 STARS Phone: (506) 478-3480 Page (846) 478-3481

C) AMENDED REPORT

AFI Number	97895	07005					
30-025- 45233 Property Code 322447		Wildcat; Bone Spring Property Name ERRY STATE COM	Fell Number 503H				
оскір не. 229137	COG O	Elevation 3743.9'					

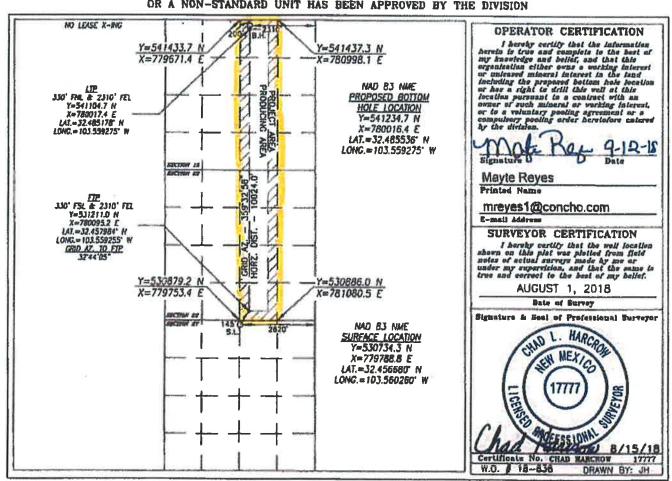
Surface Location

				Feet from the	Harth/South line	Feet from the	East/West Hine	County
В	27	21-S	33-E	145	NORTH	2620	EAST	LEA

Bottom Hole Location if Different From Surface

UL or let No.	Section 15	Township 21-5	Renge 33-E	lot ldn	Feet from the 200	North/South time NORTH	Feet from the 2310	East/West line EAST	County
Dedicated Acres	Jeint a	r Infill Co	ncolidation (Cede On	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



State of New Mexico t FEDERAL BELL MONDEY, MM AND ELLE ENERGY, Minerals & Natural Resources Department OCD -HOPE Revised August 1, 2311
OCD -HOPE one copy to appropriate
District Occ. Form C-102 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 09/26/2018 WELL LOCATION AND ACREAGE DEDICATION PLAT

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WELL COATION AND ACREAGE DEDICATION PLAT

WC-025 G-08 S213E4:944-BONE SPRING M. SUTA PS. THE TIME 97895 API Number 30-025- 45234 Wildcat; Bone Spring Property Code Property Name Well Number 322447 HUCKLEBERRY STATE COM 504H OCRID No. Operator Name Elevation COG OPERATING, LLC 229137 3741.6 Surface Location VII. or tot No. Section Township Range Lot Idn Fast from the North/South line Feet from the East/West line County C 27 21-S 33~E 145 NORTH 2630 WEST LEA Bottom Hole Location If Different From Surface UL or let No. Section Township Range Feet from the North/South line Feat from the East/West line County 21-S 33-E 200 NORTH 2310 WEST LEA Joint or Infill Consolidation Code Dedicated Acres 320 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 NO LEASE X-ING OPERATOR CERTIFICATION OPERATOR CERTIFICATION

I hereby certify that the information
herein in true and complete to the best of
my knowledge and belief, and that this
seganization either some a working interest
or unleased mineral interest in the land
including the proposed bettom hole location
or has a right to drift this well at this
location pursuent to a contract with an
sowner of such mineral or working interest,
or to a valuntary pooling agreement or a
computary pooling order hereinters entered
by the division.

Response of the property of the division.

Bignature of the property of the state of the division. Y=541425.6 X=778345.3 Y=541433.7 N X=779671.4 E NAD 83 NME J30' FM. & 2310' FM. Y=541101.6 N X=779331.7 E PROPOSED BOTTOM HOLE LOCATION Y=541231.6 N LAT.=32.485184" H LONG.=103.561498" W X=779330.6 E LAT.=32.485541' N LONG. = 103.561499' W algnature D DESTRUCT E Mayte Reyes Printed Name J30' FSL & 2310' FML Y=531207.1 H X=779410.7 E mreyes1@concho.com E-mail Address LAT,=32.457987" N LONG.=103.581474" W SURVEYOR CERTIFICATION I hereby cariffy that the mill location above on this plot was plotted from field notes of actual surveys made by me ar-under my supervision, and that the same is irue and correct to the best of my belief, GRID AZ. 10 FTP 325'34'15 Y=530871.1 N X=778428.5 E AUGUST 1, 2018 Date of Survey Signature & Seal of Professional Surveyor NAD 83 NME 263 CHAO L. HARCRO SURFACE LOCATION Y=530734.1 N SEH MEXIC X=779734.9 E LAT.=32.456680° N LONG. = 103.560434' W Certificate No. CHAD MARCROW

W.O. # 18-837

DRAWN BY: JH

State of New Mexico in more in more of sense Energy, Minerals & Natural Resources Department Ferm C-102 OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS, 108
Santa Fe, New Mexico 87605 \320 WELL LOCATION AND ACREAGE DEDICATION Fool Code

97895

Property Name

HUCKLERED Revised August 5, 2011 District Office DISTRICT IV D AMENDED REPORT API Number 5213304D: 85 30-025-4-520 Property Code Well Number 322447 505H DORED No. Operator Name Elevalian COG OPERATING, LLC 3716.1 229137 Surface Location VL or lot No. Section Tempebip Range Let Ida Feet fram the North/South line Feel from the East/Vest line County D 27 21-S 33-E 145 **NORTH** 1200 WEST LEA Bottom Hole Location If Different From Surface UL or lot No. Section Termship Feet from the North/South line Feet from the East/West line County 15 21-5 33-E 200 NORTH 1650 WEST **LEA** Bodicated Acres Consolidation Code Joint or Infill 320 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 NO LEASE X-BG OPERATOR CERTIFICATION herein series that the information herein is two and complete to the best of my knowledge and boiled, and that this argunication either owns a working interest or univased misoral interest in the land including the proposed boilent have location or has a right to drill this wall at this healthen movement in a content within Y=541425.6 X=778345.3 Y=541433.7 N X=779671.4 E NAD 83 NME 330° FM. & 1650° FM. Y=541097,8 H X=778671.7 E LAf =32.485185° N LOHC =103.563639° W PROPOSED BOTTOM HOLE LOCATION Y=541227.6 N province to a contract with an of such material or working beloves, valuatory pooling agreement or a may pooling order huntulars enters X=778570.7 € LAT.=32.485543' N LONG.=103.563639" W Mayte Reyes Printed Name 130° FSL & 1850° FML Y=5312031 H X=7773927 E LAI=32 457869° H LONG=103.53414° W CRO A7. 10 FTP 4300'41° mreyes1@concho.com E-mail Address SURVEYOR CERTIFICATION I hareky verily that the well levetion thouse an this plat was plotted from field notes of actual surveys made by me or under my superviolen, and that the same is true and correct to the best of my belief. Y=530871,1 N X=778428.5 E AUGUST 1, 2018 Sale of Survey Signature & Seal of Professional Surveyor NAD 83 NME SURFACE LOCATION Y=530725.3 N 1200 S.L SHO L. HARCRO SH HEY'CO X=778304.9 E LAT.=32.456684" N LONG.=103.565070" W 17777 Certificate No. W.O. # 18-841

DRAWN BY: JH

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Santa Fe, New Mexico 87505 State of New Mexico Ferm C-108 Reviewd August 1, 2011 District Office WELL LOCATION AND ACREAGE DEDICATION PLATCENED AMENDED REPORT DISTRICT IV API Number 30-025- 44280 Property Cade Property Name HUCKLEBERRY STATE COM 822447 506H OGRID No. Operator Name Bieve Lies COG OPERATING, LLC 229137 3715.5 Surface Location Mr. or lot No. Section Lot Idn Feet from the Township Rence Marth/South Has Feet from the East/West Une D 27 21-S 33-E 145 NORTH 1170 WEST LEA Bottom Hole Location If Different From Surface WL or lot No. Section Township Foot from the Morth/South Has East/West line County 21-5 15 33-E 200 **NORTH** 990 WEST LEA Consolidation Code Dedicated Acres Joint or leff[[] 320 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 HO LEASE X-BIG OPERATOR CERTIFICATION I hereby vertify that the information berein is true and complete to the heat of my hypothetic and helbs, and that this organization wither sums a warking interest Y=541417.4 N X=777019.1 E NAD BY NIME 330" Fir. & 900" Fir. Y=\$418215 N Z=778011.7 E LAI;=32.485186" N LCNC.=101.545779" W PRODUCING AREA PROPOSED BOTTOM HOLE LOCATION Y=541223.5 N X=778010.7 E LAT .= 32.485545" N 9-12-15 LONG.=103.565779" W **Mayte Reyes** 330' FSI & 190' FM, V=5311801.1 W R=778091.7 E LAT.=32.457891' N LONG.=103.545734' W GRO A7. 10 FP. 338'45'18' mrayes1@concho.com SURVEYOR CERTIFICATION I hereby certify that the well from on un this plat was platied from Sec u of actual nurveys made by me or one properties, and that the same one correct to the best of my ball Y=530863.0 X=777103.8 AUGUST 1, 2018 Bale of Burns NAD BJ NNE CHAD L. HARCRO SURFACE LOCATION Y=530725.1 N SH HENG X=778275.0 E LAT.=32.456684" H LONG.=103.565167" W 00/00/1 17777 W.O. # 18-840 DRAWN BY: JH

State of New Mexico

Energy, Minerals & Natural Resources Demos OCD

OIL CONSERVATION DIVISION State of New Mexico Ferm C-102 1220 SOUTH ST. FRANCIS DR. SEP 13 2018 submit and suppressed to appropriate Santa Fe, New Mexico 87505 SEP 13 2018 submit and suppressed to appropriate District Office Revised August 1, 2011 TRICT III WELL LOCATION AND ACREAGE DEDICATION PLAT ICT IV AMENDED REPORT WC-029 6-08 92133040 API Humber 30-025-45209 Property Name 322497 HUCKLEBERRY STATE COM 507H OCRED No. Operator Name Dovation COG OPERATING, LLC 229137 3714.8 Surface Location UL or lat No. Section Range Let 1de Feet from the North/South line Feet from the Zeel/Yest Hau County D 27 21-S 33-E 145 **NORTH** 1140 WEST LEA Bottom Hole Location If Different From Surface UL or let No. Section Feet from the North/Fouth Has Reals Feet from the East/Vest Mac Couply 15 21-S 33-E **NORTH** 200 330 WEST LEA Dedicated Acres Joint or Infill Consolidation Code Order No. 320 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 NO LEASE X-ING OPERATOR CERTIFICATION Y=541425.6 N X=778345.3 E Y=541417,4 N X=777019.1 E PROPOSED BOTTOM HOLE LOCATION 1330' FIR. & 330' FML Y=5+1089.4 N X=777351.7 E LAT.=32.445'185' N LONG.=103.567918' W Y=541219.4 N X=777350.7 € LAT.=32.485547 N LONG.=103.587920 W Mayte Reyes Printed Name 330' FS. # 330' FBL Y=33118-30 M X=777430.7 E LAT,=32.457993' N LONG.=1013-67893' W CRO.AT. 10 FBE 29939'49 mrayes1@concho.com K-mail Address SURVEYOR CERTIFICATION I harshy outly that the well location above so this plat too pictied from Hold notes of setual surveys made by me or under my supervision, and that the same is tree and correct to the best of my belief. X=778428.5 E **AUGUST 1, 2018** Date of Survey Signature & Seal of Professional Surveyor NAD BY NIME CHIO L. HARCRO SURFACE LOCATION Y=530725.0 N SH WENG X=778244.9 E LAT.=32.456685" N LONG.=103.565265" W Certificate No. CRAS BASCO W.O. 18-639 OR

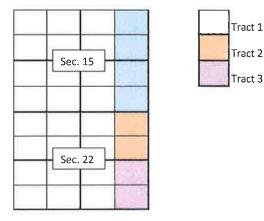
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DRAWN BY: JH

COG Operating, LLC - Huckleberry State Com 501H

E2E2 Section 15, T21S-R33E **E2E2** Section 22, T21S-R33E

Limited in depth to the Bone Spring Formation



Tract 1: Section 15: E2E2 (160 acres)

COG Operating, LLC	 100%
act 2: Section 22: E2NE (80 acres)	
COG Operating, LLC	 100%
act 3: Section 22: E2SE (80 acres)	
COG Operating, LLC	34.70377800%
Centennial Resources Production, LLC	40.29622300%
The Allar Company	13.43207400%
EOG M Resources, Inc.	1.15679200%
EOG A Resources, Inc.	1.15679200%
EOG A Resources, Inc. EOG Y Resources, Inc.	1.15679200% 9.25434100%

COG Operating, LLC					
Centennial Resources Production, LLC		10.07405575%			
The Allar Company	3.35801850%				
EOG M Resources, Inc.	0.28919800%				
EOG A Resources, Inc.		0.28919800%			
EOG Y Resources, Inc.		2.31358525%			
	Total	100.00000000%			

Record Title Owner Tract 1

COG Operating, LLC 100%

Record Title Owner Tract 2

Cimarex Energy Co. 100%

Record Title Owner Tract 3

EOG Y Resources, Inc. 100%



BEFORE THE OIL CONSERVATION DIVISION

Case Nos. 16458-16461

Overriding Royalty Owners

GMT New Mexico Royalty Company LLC 1560 Broadway, Suite 2000 Denver, CO 80202

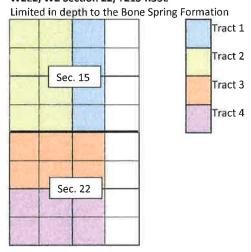
EOG Y/A/M Resources, Inc. 5509 Champions Dr. Midland, TX 79706

DG Royalty, LLC 110 N Marienfeld, Ste. 200 Midland, TX 79701

Charis Royalty F, LP 1401 Rainbow Street Southlake, TX 76092

COG Operating, LLC – Huckleberry State Com 502H - 507H

W2E2, W2 Section 15, T21S-R33E W2E2, W2 Section 22, T21S-R33E



Tract 1: Section 15: W2E2 (160 acres)

COG Operating, LLC

Tract 2: Section 15: W2 (320 acres)		
COG Operating, LLC	~	100%
Tract 3: Section 22: W2NE, NW (240 acres)		
COG Operating, LLC		100%
Fract 4: Section 22: W2SE, SW (240 acres)		
COG Operating, LLC		75.000001%
The Allar Company		13.432074%
EOG M Resources, Inc.		1.156792%
EOG A Resources, Inc.		1.156792%
EOG Y Resources, Inc.		<mark>9.254341%</mark>
	Total	100.00000000%
COG Operating, LLC		93.75000025%
The Allar Company		3.35801850%
EOG M Resources, Inc.		
EOG A Resources, Inc.		
EOO A Nesources, Inc.		0.28919800%
EOG Y Resources, Inc.		0.28919800% 2.31358525%
-	Total	0.28919800% 2.31358525%
EOG Y Resources, Inc.	Total	0.28919800% 2.31358525%
EOG Y Resources, Inc.	Total	2.31358525% 100.000000000%
EOG Y Resources, Inc. Record Title Owner Tract 1	Total	0.28919800%

Uncommitted Working interest Owners

Record Title Owner Tract 3

Cimarex Energy Co.

Record Title Owner Tract 4

EOG Y Resources, Inc.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. 3

100%

100%

100%

Submitted by: **CONCHO COG OPER.**Hearing Date: October 18, 2018
Case Nos. 16458-16461

Overriding Royalty Owners

GMT New Mexico Royalty Company LLC 1560 Broadway, Suite 2000 Denver, CO 80202

EOG Y/A/M Resources, Inc. 5509 Champions Dr. Midland, TX 79706

DG Royalty, LLC 110 N Marienfeld, Ste. 200 Midland, TX 79701

Charis Royalty F, LP 1401 Rainbow Street Southlake, TX 76092



May 29, 2018

Federal Express

The Allar Company 735 Elm Street Graham, Texas 76450 Luke Bedrick, CPL Senior Landman COG Operating LLC One Concho Center 600 West Illinois Avenue Midland, Texas 79701

Main 432-683-7443 Direct 432-686-3000 LBedrick@concho.com

Re:

Well Proposal – Huckleberry State Com #501H

Section 15: E½E½ Section 22: E½E½

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 1325' FEL, or an approved legal location in Sec. 27 BHL: 200' FNL & 990' FEL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #501H 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 10,591' and a MD of approximately 20,400' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the E1/2 E1/2 of Sections 15 and 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

One Contro Center : 600 / les: Kinois Avenue Midland, Texa : 7070 1 P 432-683-7443 F 432-321 0650

Santa Fe, New Mexico Exhibit No. 4 Submitted by: CONCHO COG OPER. Hearing Date: October 18, 2018 Case Nos. 16458-16461

Huckleberry State Com #501H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LI	vc
Luke Bedrick, CPL Senior Landman Northern Delaware	Basin – East
LB:lr	
Encl.	
	I/we hereby elect to participate in the Huckleberry State Com #501H.
(4	I/we hereby elect <u>not to</u> participate in the Huckleberry State Com #501H.
Company or Individual Name:	mb. All. C
	The Allar Company
By:	
Name:	
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	Huckleberry State Com #501H	PROSPECT NAME:	Zues 2133 (717079)	
SHL: Sec. 27	145 FNL & 1325 FEL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 15	200 FNL & 990 FEL (or an approved legal location)	OBJECTIVE:	Drill & Complete	
FORMATION:	2nd BSS	DEPTH:	20,400	
LEGAL:	Sections 15 & 22, T21S-R33E	TVD:	10,591	

Daywork Contract Directional Drilling Services Frac Equipment Frac Chemicals Frac Proppant Frac Proppant Frac Proppant Transportation Fuel & Power Water Water Bits Mud & Chemicals	201 202 203 204 205 208 207 208 209 210 211 212 213 214 215	11,000 4,000 5,000 6,000 135,000 6,700 650,000 226,000	302 303 305 306 307 308 309 310	10,000 1,403,000 914,000 1,225,000	351 352 353		366		11,000 4,000 5,000 6,000 183,750 8,700
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Survey/Stake Location Location/Pits/Road Expense Diffling / Completion Overhead Turnkey Contract Footage Contract Directional Drilling Services Frac Equipment Frac Proppant Frac Proppant Frac Proppant Transportation Fuel & Power Water Bits Mud & Chemicals	205 208 207 208 209 210 211 212 213 214 215	135,000 8,700 660,000 226,000	306 307 308 309	1,463,000 914,000			366		183,750 8,700
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Footage Contract Daywork Contract Directional Drilling Services Frac Equipment Frac Chemicals Frac Proppant Frac Proppant Frac Proper Frac Power Water Bills Mud & Chemicals	208 209 210 211 211 212 213 214 215	226,000 186,000	308 309	914,000					^
Footage Contract Daywork Contract Directional Drilling Services Frac Equipment Frac Chemicals Frac Proppant Frac Proppant Frac Proppant Frac Proper Bull & Power Water Blis Mud & Chemicals	210 210 211 212 213 214 215	226,000 186,000	308 309	914,000					0
Daywork Contract Directional Drilling Services Frae Equipment Frae Chemicals Frae Proppant Frae Proppant Transportation Fuel & Power Water Bits Mud & Chemicals	210 211 212 213 214 215	226,000 186,000	308 309	914,000					. 0
Directional Drilling Services Frac Equipment Frac Chemicals Frac Proppant Frac Proppant Transportation Fuel & Power Water Bits Mud & Chemicals	211 212 213 214 215	165,000	308 309	914,000					660,000
Frac Equipment Frac Chemicals Frac Proppant Frac Proppant Transportation Fuel & Power Water Bits Mud & Chemicals	211 212 213 214 215	165,000	308 309	914,000					226,000
Frac Chemicals Frac Proppant Frac Proppant Transportation Fuel & Power Water Bills Mud & Chemicals	212 213 214 215		308 309	914,000					1,403,000
Frac Proppant Transportation Frac Proppant Transportation Fuel & Power Water Bills Mud & Chemicals	212 213 214 215		309						914,000
Frac Proppant Transportation Fuel & Power Water Bills Mud & Chemicals	212 213 214 215								1,225,000
Fuel & Power Water Bits Mud & Chemicals	212 213 214 215			154,000					154,000
Water Bits Mud & Chemicals	212 213 214 215		311	3,500	354		367		169,500
Bils Mud & Chemicals	213 214 215		312	962,000	0.54		368		1,087,000
Mud & Chemicals	214 215	92,000	313	9,000			369		101,000
	215	85,000	314	46,000			370		131,000
Drill Stern Test		65,000	315	40,000			3/0		0
Name of Street and Street			313						0
and the second s	218	27.000							
	217	37,000							37,000
	218	60,000							60,000
	219	130,000							130,000
	220						371		0
	221	50,000							50,000
	222	47,000							47,000
	223		323				372		0
- Delivery Andrews Control of the Co	224	0	324		355		373		0
	225	6,500	325	23,800	356	90,000	374	6,500	126,800
	226	52,200	326	15,000	357		375		67,200
	227	190,000	327	204,000	358		376	5,000	309,000
	228	20,000	328	10,000			377		30,000
	229	37,000	329						37,000
	230	0					378		0
	231	4,000	331	508,000			379		512,000
Stimulation/Treating		1,000	332	12,000			380		12,000
Completion Unit	-		333	138,000			381	8,800	146,800
Swabbing Unit	-		334	- 745,000			382	0,000	0
	235	140,000	335	286,000	359		383	7,000	443,000
	236	135,000	336	80,000	338		384	7,000	215,000
	237		337	40,000	360			3.000	
		115,000					385	3,000	158,000
	238	4,000	338	5,000	361		386		9,000
Intelligence Matthews	239	0	339	60,000	362	135,000	387		195,000
Complete Com	240	0	340						0
	241	0	341						0
	242	0	342	5,000			389		5,000
	243 _	49,000	343	250,000	363		390		299,000
	244 _	270,000	344	7,927,00	364		388		270,000
	245		345	455,000					
Coil Tubing	-		346	325,000					325,000
Flowback Crews & Equip	_		347	48,000					48,000
	248		348				391		0
TOTAL INTANGIBLES	9	2,760,400		7,221,300		263,750		30,300	10,275,750
TANGIBLE COSTS									
	401 _	63,000							63,000
	402	166,000							166,000
	403	379,000							379,000
Tubing	- 5		504	48,600			530	5,000	53,600
	405	28,000	505	20,900			531	3,000	51,900
Pumping Unit			1.7				506	96,000	96,000
Prime Mover	- 5		700	Ō			507		0
Rods	-			·			508	35,000	35,000
Pumps-Sub Surface (BH)	-		509	0			532	5,000	5,000
Tanks	-		13		510	34,500		0,000	34,500
Flowlines	-				511	97,500			97,500
Heater Treater/Separator	-		100		512	85,000			
Electrical System	-				513		533	46 000	90,000
	414		514	65,000	919	70,000		15,000	
	414		514	65,u00	C+-	AP APA	534	2,000	67,000
	415		104		515	95,000			95,000
Dehydration	-		11.5		517				0
njection Plant/CO2 Equipment	_		- 6	0	518				0
Pumps-Surface	-		104	0	521	7,813			7,813
nstrumentation/SCADA/POC					522		529	7,000	7,000
	419		519		523		535	3,000	3,000
	420		520		524		536		0
/leters/LACT	-				525	29,563			29,563
lares/Combustors/Emission	57		3		526	15,625			15,625
Sas Lift/Compression	-		527	15,000	518		528		50,000
TOTAL TANGIBLES	-	636,000		149,500		475,000	4005 N	171,000	1,431,500
TOTAL WELL COSTS		3,396,400		7,370,800		738,750	(8	201,300	11,707,250
COG Operating LLC	D	ate Prepared: 4-2018							

Gas Lift-Compression	527	15,000	518	35,000	52
TOTAL TANGIBLES	636,000	149,500		475,000	
TOTAL WELL COSTS	3,396,400	7,370,800		738,750	
COG Operating LLC					
	Date Prepared: 4-2018				
We approve:	COG Operating LLC				
% Working Interest	Ву:				_
Company: The Allar Company 3y:	*				
rinted Name:					
Title:	This AFE is only an estimate. By si of the actual costs incurred.	igning you agree to p	ay your share		



Federal Express

May 29, 2018

The Allar Company 735 Elm Street Graham, Texas 76450 Luke Bedrick, CPL Senior Landman COG Operating LLC One Concho Center 600 West Illinois Avenue Midland, Texas 79701

Main: 432-683-7443 Direct: 432-686-3000 LBedrick@concho.com

Re:

Well Proposal - Huckleberry State Com #502H

Section 15: W½E½ Section 22: W½E½

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 1355' FEL, or an approved legal location in Sec. 27 BHL: 200' FNL & 1650' FEL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #502H 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 10,953' and a MD of approximately 20,800' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the W½E½ of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

Case Nos. 16458-16461

Huckleberry State Com #502H May 29. 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LLC Luke Bedrick, CPL Senior Landman Northern Delaware Basin – East	
LB:lr	
Encl.	
I/we hereby elect to participate in the Huckle I/we hereby elect not to participate in the Huckle	
Company or Individual Name: The Allar Company	
By:	
Name:	
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

	Huckleberry State Com #502H	PROSPECT NAME:	Zeus 2133 (717079)	
	145 FNL & 1355 FEL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea	
	200 FNL & 1650 FEL (or an approved legal location)	OBJECTIVE:	Drill & Complete	
FORMATION:	2ND BSS	DEPTH;	20.800	
LEGAL:	Sections 15 & 22, T21S-R33E	TVD:	10.953	

INTANGIBLE COSTS Title/Curative/Permit	201	Prig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	<u>101</u>
Insurance	202			2	-				
Damages/Right of Way	203		30	3	351				
Survey/Stake Location	204		0		352				-
Location/Pits/Road Expense	205	135,000	30	5 10,000	353	38,750	366		1
Orilling / Completion Overhead	208	8,700	30	6					
urnkey Contract	207		_		-				
ootage Contract	208								
Daywork Contract	209	860,000	5		-				- 6
Irectional Drilling Services	210	226,000)						- 2
rac Equipment			30	7 1,403,000	ī				1,4
rac Chemicals			300	914,000	6				9
rac Proppant			309	1,225,000	Ţ.				1.2
rac Proppant Transportation	_		310						1,2
uel & Power	211	166,000	_				367		
faler	212	105,000					368		1
is	213	92,000					369		1,0
lud & Chemicals	214	85,000							1
rill Stem Test	215	43,000	315		-		370		1
oring & Analysis	216		315	· ———	-				_
ement Surface			-						
ement Surrace ement Intermediate	217	37,000			ē				
	218	60,000							
ement 2nd Intermediate/Production	219	130,000			2				10
ement Squeeze & Other (Kickoff Plug)	220	0					371		
oat Equipment & Centralizers	221	50,000							
asing Crews & Equipment	222	47,000	ē.						
shing Tools & Service	223	0					372		
eologic/Engineering	224	0			355		373		
ontract Labor	225	6,500			356	90,000	374	0.500	
ompany Supervision	226	52,200			357	30,000	375	6,500	12
ontract Supervision	227	100,000		204,000				F 00-	- 0
stling Casing/Tubing	228	20,000			338		376	5,000	30
ud Logging Unit	228	37,000			112		377		2
					- 16				- 3
ogging	230	0			- 33		378		
rforating/Wireline Services	231	4,000		508,000	6 .1		379		. 51
imulation/Treating			332	12,000	- 2		380		1
ompletion Unit			333	138,000			381	8,800	14
wabbing Unit	ŝ		334		-		382		
entals-Surface	235	140,000	335	296,000	359		383	7,000	44
entals-Subsurface	236	135,000	336	80,000			384		21
ucking/Forklift/Rig Mobilization	237	115,000	337	40,000	360		385	3,000	15
elding Services	238	4,000	338	5,000	351		386	- 0,000	- 10
ater Disposat	239	0		60,000	362		387		
ug to Abandon	240	0				199,000	JU1		19
ismic Analysis	241	0	341		- 2		- 30		_
scellaneous	242	0	342		5 3		000		
ntingency	243	49,000		5,000	000		389		
osed Loop & Environmental	244		343	250,000	363		390		29
nd Diesel		270,000	344		364		388		27
il Tubing	245		345	455,000			- 6		
whack Crews & Equip	91 1		346	325,000			- 3		32
	ń j		347	48,000					4
Set Directional/Frac	248		348				391		
TOTAL INTANGIBLES		2,760,400		7,221,300		263,750	- 6	30,300	10,27
ANGIBLE COSTS									
rface Casing	401	63,000							6
rmediate Casing	402	166,000							160
duction Casing/Liner	403	379,000			-				371
ing			504	48,600			530	5,000	
lihead Equipment	405		505	20,900			531		53
nging Unit		20.000	550	20,700	-			3,000	5
ne Mover				0	-		506	99,000	96
19					-		507	22.222	-
nps-Sub Surface (BH)			E00		-		800	35,000	35
ks			509	0	-		532	5,000	
					510	34,500			34
Mines					511	97,500	- 6		97
nter Treater/Separator					512	85,000	-		85
strical System					513		33	15,000	90
kers/Anchors/Hangers	414		514	65,000	-		34	2,000	67
plings/Fittings/Valves	415				515	95,000		4,000	95
ydration	- 3				517	25000			95
tion Plant/CO2 Equipment									
ps-Surface					518	0.040			
umentation/SCADA/POC				0	521 _	7,813	-		
	440		· ·		522		29	7,000	7
ellaneous	419		519		523		35	3,000	3
tingency	420		520		524	5	36		
ars/LACT					525	29,583	-		29
es/Combustors/Emission		1-14-17			526	15,625			15
Lift/Compression			527	15,000	516		28		50
OTAL TANGIBLES		636,000		149,500		475,000		171,000	
	1	3,396,400	5.5	7,370,800	-	738,750	2		1,431
TOTAL WELL COSTS	7	9,449,440	1.5	11070,000	_	130,130	-	201,300	11,707
TOTAL WELL COSTS									
	-	Dute Prepared: 4-2018							
Operating LLC		Dute Prepared: 4-2018 COG Operating LLC							

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

Company: The Allar Company By:

Printed Name: Title: Date:



Federal Express

May 29, 2018

The Allar Company 735 Elm Street Graham, Texas 76450 Luke Bedrick, CPL Senior Landman COG Operating LLC One Concho Center 600 West Illinois Avenue Midland Texas 79701

Main: 432-683-7443 Direct: 432-686-3000 LBednck@coricho.com

Re: Well Proposal - Huckleberry State Com #503H

Section 15: W½E½ Section 22: W½E½

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 2620' FEL, or an approved legal location in Sec. 27 BHL: 200' FNL & 2310' FEL, or an approved legal location in Sec. 15 Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #503H 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 10,611' and a MD of approximately 20,500' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250 and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the W½E½ of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

Challer to Commence Area Winds Associated and Decreta 79701. Portlands Jakes Padd 521 1956

Huckleberry State Com #503H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING L Luke Bedrick, CPL Senior Landman Northern Delaware	ils
LB:lr	
Encl.	
	I/we hereby elect to participate in the Huckleberry State Com #503H. I/we hereby elect not to participate in the Huckleberry State Com #503H.
Company or Individual Name:	The Allar Company
By:	
Name:	
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	Huckleberry State Com #503H	PROSPECT NAME:	Zeus 2133 (717079)	
SHL Sec. 27	145 FNL & 2620 FEL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 15	200 FNL & 2310 FEL (or an approved legal location)	OBJECTIVE:	Drill & Complete	
FORMATION:	2nd BSS	DEPTH:	20,500	
LEGAL:	Sections 15 & 22, T21S-R33E	TVD:	10.611	

INTANGIBLE COSTS Title/Curative/Permit	201	Drig - Rig Release(D))	Completion(C)		Tank Bity Constrctn(TB)		Pmpg Equipment(PEQ)	<u>101</u>
Insurance	202	4,000			-		•		-
Damages/Right of Way	203	5,000	30		351				-
Survey/Stake Location	204	6,000)		352				
Location/Pits/Road Expense	205	135,000		10,000			366		11
Drilling / Completion Overhead	206	8,700				50,750		· ——	-
Turnkey Contract	207				•				_
Footage Contract	208		-						
Daywork Contract	209	660,000	-		+1				
Directional Drilling Services					-				68
Frac Equipment	210	226,000							22
	-		30	1,403,000					1,40
Frac Chemicals	2		308						9
Frac Proppant			309	1,225,000					1.2
Frac Proppant Transportation			310	154,000					1
Fuel & Power	211	165,000	311	3,500			367		- 1
Water	212	105,000	312				368		
Bits	213	92,000					369		1,0
Mud & Chemicals	214	85,000							11
Drift Stern Test		83,000					370	-	1
	215		315						-
Conng & Analysis	216				3				
Coment Surface	217	37,000							
Zement Intermediate	218	60,000			9 8				
Cement 2nd Intermediate/Production	219	130,000			3 3				10
Cement Squeeze & Other (Kickoff Plug)	220	0			50		371		
loat Equipment & Centralizers	221	50,000			9 1		-11		
Casing Crews & Equipment	222	47,000			3 3				
ishing Tools & Service			200		9				
	223	0	323		01		372		12
Seologic/Engineering	224	0	324		355		373		
ontract Labor	225	6,500	325	23,800	356	90,000	374	6,500	12
ompany Supervision	226	52 200	326	15,000	357		375		
ontract Supervision	227	100,000	327	284,000	358		376	5,000	30
esting Casing/Tubing	228		328	10,000			377	5,000	3
lud Logging Unit	229		329	10,000	-		311		
ogging	230	0	OLU		-				3
erterating/Wireline Services				(444,444	-		378		
	231	4,000	331	508,000			379		- 51
limulation/Treating	4 5		332	12,000			380		. 1
omplation Unit			333	138,000			381	8,800	14
wabbing Unit			334		-		382		-
entals-Surface	235	140,000	335	296,000	359		383	7.000	44
entals-Subsurface	236		336	80.000	-		384		44
rucking/ForkMVRig Mobilization	237		337	40,000	360				21
felding Services	238		338				385	3,000	15
				5.000	361		386		
fater Disposal	239		339	60,000	362	135,000	387		19
ug to Ahandon	240	0	340						
nismic Analysis	241	0	341		- 8				
scellaneous	242	0	342	5,000			389		
ontingency	243	49,000	343		363		390		29
osed Loop & Environmental	244		344		364		388		
red Diesel	245		345	455,000	_		J011		27
oll Tubing	2-10		346	325,000	-				
					-				32
owback Crews & Equip			347	48,000	-				4
fset Directional/Frac	248		34B		-		391		
TOTAL INTANGIBLES		2,760,400	-	7,221,300	-	263,750		30_300	10,27
ANGIBLE COSTS rface Casing	401	63,000							e,
ermediate Casing	402	166,000			-		9		- 63
duction Casing/Liner	403	379,000			-				166
oing:	100		E04 -	108922	-				379
ilhead Equipment	400		504	48,600			530	5,000	53
	405	28,000	505	20,900			531	3,000	51
nping Unit	-						506	96,000	98
ne Mover	-			0			507		- 1
16							508	35,000	35
nps-Sub Surface (BH)			509	0			532	5,000	- 5
ks	-		-		510 -	34,500	-	3,000	
h	-		-		_		-		34
Mines			3.5		511 -	97,500	-		97
ster Treater/Separator	7				512	85,000	-		85
strical System	25				513	75,000 5	33	15,000	90
kers/Anchors/Hangers	414	5	14	65.000			34	2,000	67
plings/Fittings/Valves	415		- 5		515	95,000	-		95
ydration					517	******	(3)		90
	-		-		518				
	1.5		-				-		
ction Plant/CO2 Equipment	-		-		521 _	7,813	_		. 7
ction PlanVCO2 Equipment sps-Surface					522	5	29	7,000	7
ction Plant/CO2 Equipment sps-Surface rumentation/SCADA/POC	-	5	19 _		523	5	35	3,000	3
tion Plant/CO2 Equipment pp:Surface umentation/SCADA/POC elianeous	419				524		36		
ction Plant/CO2 Equipment pps-Surface umentallon/SCADA/POC tollaneous	419 420		20		_	29,563	-		
ction PlanVCO2 Equipment pps-Surface umentation/SCADA/POC cellameous fingency			-	5					29
ction PlantCO2 Equipment pps-Surface rumentation/SCADA/POC cellaneous fingency ersul.ACT			- -		25 -		-		
ction Plant/CO2 Equipment pps-Surface urmentallon/SCADA/POC cellaneous fingency est/LACT est/Combustors/Emission		5	-	5	526	15,625			15,
ction Plant/CO2 Equipment pps-Surface urumentalion/SCADA/POC cellaneous singency ers/LACT es/Combustors/Emission Lift/Compression		5	27	15,000 5		15,625 35,000 5	28		15, 50,
ction PlanYCQZ Equipment nps-Surface rumentation/SCADA/POC cellaneous tingency ers/LACT es/Combustors/Emission Lt/VCompression OTAL TANGIBLES		536,000	-	15,000 5 149,500	526	15,625 35,000 5 475,000	28 _	171,000	15, 50, 1,431,
tion Plant/CO2 Equipment pps-Surface umentallon/ISCADA/POC ellaneous fingency rs/LACT ss/Combustors/Emission Lift/Compression		5	-	15,000 5	526	15,625 35,000 5	28	171,000 201,300	15 50

TO CONTROL OF THE STATE OF THE			320 1	5,625
Sas Lift/Compression	52	7 15,000	516 3	5,000 528
TOTAL TANGIBLES	636,000	149.500	47	5.000
TOTAL WELL COSTS	3,396,400	7,370,800	73	8,750
OG Operating LLC				
	Date Prepared: 4-2018			
	COG Operating LLC			
Ve approve:	By:			
ompany: Antex Energy Inc.				
rinted Name				
de:	This AFE is only an estimate of the actual costs incurred.	By signing you agree to pa	ay your share	



Federal Express

Luke Bedrick, CPL

The Allar Company 735 Elm Street Graham, Texas 76450

May 29, 2018

Re: Well Proposal - Huckleberry State Com #504H

> Section 15: E½W½ Section 22: E1/2W1/2

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 2630' FWL, or an approved legal location in Sec. 27 BHL: 200' FNL & 2310' FWL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #504H 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 11,002' and a MD of approximately 20,900 to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the E1/2W1/2 of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced

ce 1 (felt 15) Str 1 1 Fights 5 Heat CountState Pation.

\$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

Hearing Date: October 18, 2018 Case Nos. 16458-16461

Huckleberry State Com #504H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LL Luke Bedrick, CPL Senior Landman	
Northern Delaware	Basin – East
LB:lr	
Encl.	
****	I/we hereby elect to participate in the Huckleberry State Com #504H.
	I/we hereby elect <u>not to</u> participate in the Huckleberry State Com #504H.
Company or Individual Name:	The Allar Company
By:	
Name:	
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

Huckleberry State Com #504H	PROSPECT NAME:	Zeus 2133 (717079)
145 FNL & 2630 FWL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea
200 FNL & 2310 FWL (or an approved legal location)	OBJECTIVE:	Drill & Complete
2nd BSS	DEPTH:	20,900
Sections 15 & 22, T21S-R33E	TVD:	11,002
	145 FNL & 2630 FWL (or an approved legal location) 200 FNL & 2310 FWL (or an approved legal location) 2nd BSS	145 FNL & 2630 FWL (or an approved legal location) 200 FNL & 2310 FWL (or an approved legal location) 2nd BSS DEPTH:

NTANGIBLE COSTS		Drig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	<u>101</u>
tle/Curative/Permit	201	11,000	10						
Surance	202	4,000	302	8					
amages/Right of Way	203				351				
urvey/Stake Location	204	6,000			352				
ocation/Pits/Road Expense	205								
					353	38,750	366		18
riling / Completion Overhead	_ 206	8,700	306						
umkey Contract	207								
ootage Contract	208								
aywork Contract	209	660,000							Time
									66
rectional Drilling Services	210	226,000							22
ac Equipment			307	1,403,000					1,40
ac Chemicals			308	914,000					91
ac Proppant	_	-	309	1,225,000					
	_								1,22
ac Proppant Transportation			310	154,000		Experience of the second			15
el & Power	211	166,000	311	3.500	354		367		16
ater	212	105,000	312	982,000			368		1,08
3	213	92.000		9,000					
							369		10
ed & Chemicals	214	85,000	314	46,000			370		13
# Stem Test	215		315						
oring & Analysis	216								
ment Surface	217	37,000	-						
	_		60						3
ment Intermediate	218	60,000							6
ment 2nd intermediate/Production	219	130,000	8						13
ment Squeeze & Other (Nickoff Plug)	220	0					371		
eat Equipment & Centralizers	221	50,000							
			M)						5
sing Crews & Equipment	_ 222	47,000	Ē						4
hing Tools & Service	223	0	323				372		
ologic/Engineering	224	0	324		355		373		
ntract Labor	225	6.500	325	23,800	356	90,000		2.22	
mpany Supervision						90,000	374	6,500	12
	_ 226	52,200	326	15,000	357		375		6
ntract Supervision	227	100,000	327	204,000	358		376	5,000	30
sting Casing/Tubing	228	20,000	326	10,000			377		3
d Logging Unit	229	37,000	329						
99ng	230	37,000	-						3
							378		
forating/Wireline Services	231	4,000	331	508,000			379		51:
mulation/Treating		180-1	332	12,000			380		1:
mpletion Unit	_		333	138,000			381	8,800	
abbing Unit	7			100,000				8,800	146
	4		334				382		
ntais-Surface	235	140,000	335	298,000	359		383	7,000	443
ntals-Subsurface	236	135,000	336	80,000			384		21
cking/Forkill/Rig Mobilization	237	115,000	337		380			2.442	
							385	3,000	15
kking Services	238	4,000	338	5.000	361	91	386		
ter Disposal	239	0	339	60,000	362	135,000	387	-11-2	19
g to Abandon	240	0	340						
smic Analysis	241	0	341						
cellaneous									
	_ 242	0	342	5,000			389		
ntingency	243	49,000	343	250,000	363		390		299
sed Loop & Environmental	244	270,000	344		364	5.5	388		270
nd Diesel	245		345	455,000					211
	- 243						- 1		
Tubing			345	325,000					325
wback Crews & Equip			347	48,000					46
set Directional/Frac	248		348				391		
TOTAL INTANGIBLES		2,760.400	_T) A	7,221,300		283,750	٠.,	20.000	44.00
O THE INTRODUCES	•	2,760,400		7,221,300		263,750		30.300	10.275
WALL OF ARREST									
NGIBLE COSTS									
face Casing	401	63.000							
rmediate Casing	402	166,000	- 90		- 2				63
			339		200				166
duction Casing/Liner	403	379,000	- 57		- 22				379
ing			504	48,600			530	5,000	53
head Equipment	405	28,000	505	20,900					
nping Unit			***						
					104		531	3,000	51
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11 04 695



May 29, 2018

Federal Express

The Allar Company 735 Elm Street Graham, Texas 76450

Re: Well Proposal - Huckleberry State Com #505H

Section 15: E½W½ Section 22: E½W½

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 1100' FWL, or an approved legal location in Sec. 27 BHL: 200' FNL & 1650' FWL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #505H 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 10,671' and a MD of approximately 20,500 to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the E $^{1}_{2}$ W $^{1}_{2}$ of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

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Huckleberry State Com #505H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LL	.c
Lulu Gednin	6
Luke Bedrick, CPL Senior Landman	
Northern Delaware	Basin – East
LB:lr	
Encl.	
	I/we hereby elect to participate in the Huckleberry State Com #505H.
	I/we hereby elect not to participate in the Huckleberry State Com #505H.
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Company or	
Individual Name:	The Allar Company
By:	
Name:	
Title:	
Date:	
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COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	Hucklebarry State Com #505H	PROSPECT NAME:	Zeus 2133 (7170479)
	145 FNL & 1100 FWL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea
BHL: Sec. 15	200 FNL & 1650 FWL (or an approved legal location)	OBJECTIVE:	Drill & Complete
FORMATION:	2nd BBS	DEPTH:	20,500
LEGAL	Sections 15 & 22, T21S-R33E	TVD;	10,671

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2010 22 11 12 2000	ITC							
Onto Prepared: 4-2018		Date Prepared: 4-2018						
COG Operating LLC		COG Operation 11.0						
approve By:	ng Interest							

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



May 29, 2018

Federal Express

The Allar Company 735 Elm Street Graham, Texas 76450

Re: Well Proposal - Huckleberry State Com #506H

Section 15: W1/2W1/2 Section 22: W1/2W1/2

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 1070' FWL, or an approved legal location in Sec. 27 BHL: 200' FNL & 990' FWL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #506H 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 11,038' and a MD of approximately 20,900 to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the W½W½ of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

Huckleberry State Com #506H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LL	.c
Luke Bedrick, CPL Senior Landman Northern Delaware	Basin – East
LB:lr	
Encl.	
	I/we hereby elect to participate in the Huckleberry State Com #506H. I/we hereby elect not to participate in the Huckleberry State Com #506H.
	a we hereby close <u>ave we</u> participate in the fluckleberry State Com #500n.
Company or Individual Name:	The Allar Company
By:	
Name:	
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	Huckleberry State Com #506H	PROSPECT NAME:	Zeus 2133 (717079)
	145 FNL & 1070 FWL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea
BHL: Sec. 15	200 FNL & 990 FWL (or an approved legal location)	OBJECTIVE:	Drill & Complete
FORMATION:	2nd BSS	DEPTH:	20,900
LEGAL:	Sections 15 & 22, T21S-R33E	TVD:	11,038

INTANGIBLE COSTS		Drig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	<u>10</u>
Title/Curative/Petrnit	201							- YEST	_
Damages/Right of Way	202				351			The state of	
Survey/Stake Location	204			· ———				TATALISMO.	
Location/Pits/Road Expense	205			10,000	352 353	38,750	366		
Drilling / Completion Overhead	208				330	30,/30	300		
Turnkey Contract	207	0,700							-
Footage Contract	208	-	*						
Daywork Contract	209		ē.						-
Directional Dritting Services	210				5 1	The state of the s			
Free Equipment	210	220,000		1,403,000	9 7				
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Frac Proppant			308		6 4				
			309	The state of the s	8 0				1,2
Frac Proppant Transportation			310		8 . 5				
Fuel & Power	211	166,000			354		367		1
Water Bits	212	105,000			3 1		368		1,0
	213	92,000			5		369		1
Mud & Chemicals	214	85,000					370		1
Orill Stem Test	215		315					Y DYSHICKS	
Coring & Analysis	216		<u> </u>			and the state of			
Demant Surface	217	37,000				270 9 200			
Cement Intermediate	218	60,000	8 7						
Coment 2nd Intermediate/Production	219	130,000							1
Cement Squeeze & Other (Kickoff Plug)	220	0					371		-
loat Equipment & Centrelizers	221	50,000						0.00	
Casing Crews & Equipment	222	47,000	à i						
ishing Tools & Service	223	0					372		_
Seologic/Engineering	224	0			355		373		
Contract Labor	225	6,500		23,800	356	90.000	374	6,500	1
Company Supervision	226	52,200		15,000	357	50,000	375		
Contract Supervision	227	100,000		204,000	358		376		-
esting Casing/Tubing	228	20,000		10,000	550		377	5,000	3
fud Logging Unit	229	37,000		10,000	1		3/?		
occino	230		328						
arforating/Wireline Services	231	4,000	300	500.000	- 3		378		
Imulation/Treating	201	4,000		508,000	- 6		379		5
			332	12,000	- 3		380		
ompletion Unit			333	138,000	- 0		381	8,800	. 1
wabbing Unit			334		- 0		362		
entals-Surface	235		335	296,000	359		383	7,000	4
entals-Subsurface	236		336	80,000	- 3		384		2
nucking/Forkift/Rig Mobilization	237	115,000	337	40,000	380		385	3.000	1
/elding Services	238	4,000	338	5,000	361		386		
Vater Disposal	239	0	339	60,000	362	135,000	387	and the same and	11
fug to Abandon	240	0	340					SATE VICE	
elsmic Analysis	241		341		- 3				
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This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.



May 29, 2018

Federal Express

Second, and put of the second and put of the

Luke Bedrick, CPL

The Allar Company 735 Elm Street Graham, Texas 76450

Re: Well Proposal - Huckleberry State Com #507H

Section 15: W½W½
Section 22: W½W½

Township 21 South, Range 33 East, N.M.P.M.

SHL: 145' FNL & 1040' FWL, or an approved legal location in Sec. 27 BHL: 200' FNL & 330' FWL, or an approved legal location in Sec. 15

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Huckleberry State Com #507H 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 10,691' and a MD of approximately 20,500 to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$11,707,250, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. A completed executable copy will be provided upon final negotiations. The Operating Agreement covers the W¹/₂ W¹/₂ of Sections 15 & 22, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains 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 on page 2, 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 proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates June 15, 2018 and is subject to the approval of COG's management and verification of title.

TRANSPORTS AND THE CONTRACTOR OF THE PARTY OF A PARTY OF THE PARTY OF

Huckleberry State Com #507H May 29, 2018 Page 2

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 432-686-3000.

Respectfully, COG OPERATING LL	.C
Ache bedries	
Luke Bedrick, CPL	
Senior Landman	
Northern Delaware	Basin – East
LB:lr	
D1	
Encl.	
	I/we hereby elect to participate in the Huckleberry State Com #507H.
	I/we hereby elect not to participate in the Huckleberry State Com #507H.
,	participate in the reaching state com would
Company or	
Individual Name:	The Allar Company
By:	
•	
Name:	St. Committee of the Co
Title:	
Date:	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	Huckleberry State Com #507H	PROSPECT NAME:	Zeus 2133 (717079)	
	145 FNL & 1040 FWL (or an approved legal location)	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 15	200 FNL & 330 FWL (or an approved legal location)	OBJECTIVE	Drill & Complete	
FORMATION:	2nd BSS	DEPTH	20,500	
LEGAL	Sections 15 & 22, T21S-R33E	TVD:	10,691	

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

COG Operating LLC

By:

We approve
_____% Working Interest

Printed Name Title: Date:

Company The Altar Company By:

RATIFICATION OF COMMUNITIZATION AGREEMENT

STATE OF NEW MEXICO	Ę
COUNTY OF LEA	Ş

COG Operating LLC, as Operator, executed a Communitization Agreement, effective as of the date therein, communitizing and combining the oil and gas leases set forth therein, insofar as they cover the communitized area for the Huckleberry State Com 501H spacing and proration unit comprised of E2E2 of Section 15 and E2E2 of Section 22, Township 21 South, Range 33 East, Lea County, NM.

Charis Royalty F, LP, whose address is 1401 Rainbow Street, Southlake, Texas 76092, is the owner of an overriding royalty interest located in that portion of the communitized area located in E2E2 of Section 15 and E2E2 of Section 22, Township 21 South, Range 33 East, Lea County, NM.

Charis Royalty F, LP desires to adopt, ratify and confirm the Communitization Agreement insofar as it covers the right, title and interest of Charis Royalty F, LP in and to the oil and gas leases and the lands included in the communitized area created by COG Operating LLC.

In consideration of the premises, Charis Royalty F, LP does hereby adopt, ratify and confirm the abovedescribed Communitization Agreement insofar as it covers its right, title and interest in the oil and gas leases and the lands included in communitized area, and agrees that its interest is subject to all of the terms and provisions therein.

This Ratification is effective as of the effective date of the above-referenced Communitization Agreement.

Charis Royalty F, LP								
Signature								
Ву:	2							
Printed Name Title:								
Title: Printed Title								
STATE OF								
The foregoing instrument was acknowledged before								
by, as						F,	LP a	L
, on bel	half of said				•			
	-							
ORE THE OIL CONSERVATION DIVISION	NOTARY	NOTARY PUBLIC in and for the State of						

BEFO

Santa Fe, New Mexico Exhibit No. 8 Submitted by: CONCHO COG OPER. Hearing Date: October 18, 2018

Case Nos. 16458-16461

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

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

CASE NO. 16458

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

CASE NO. 16459

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

CASE NO. 16460

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

CASE NO. 16461

AFFIDAVIT

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

Jordan L. Kessler, attorney in fact and authorized representative of COG Operating, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.

Jordan L. Kessler

SUBSCRIBED AND SWORN to before me this 17th Day of October 2018 by Jordan L. Kessler.

OFFICIAL SEAL

CLARINDA L. WETZSTEON NOTARY PUBLIC

STATE OF NEW MEXICO

My Commission Expires:

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. 9

Submitted by: CONCHO COG OPER. Hearing Date: October 18, 2018 Case Nos. 16458-16461



Jordan L. Kessler Associate Phone (505) 988-4421 Fax (505) 983-6043 ilkessler@hollandhart.com

September 28, 2018

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating LLC for compulsory pooling, Lea County,

New Mexico.

Huckleberry State Com No. 501H Well

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on October 18, 2018. The hearing will be held in Porter Hall in 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 Grant Bohls at (432) 818-2379 or GBohls@concho.com.

Singerely,

Jordan L. Kessler

ATTORNEY FOR COG OPERATING LLC



Jordan L. Kessler Associate Phone (505) 988-4421 Fax (505) 983-6043 ilkessler@hollandhart.com

September 28, 2018

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Huckleberry State Com No. 502H Well Huckleberry State Com No. 503H Well

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Sincerely,

Jordan L. Kessler

ATTORNEY FOR COG OPERATING LLC



Jordan L. Kessler Associate Phone (505) 988-4421 Fax (505) 983-6043 ilkessler@hollandhart.com

September 28, 2018

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New Mexico.

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Jordan L. Kessler

ATTORNEY FOR COG OPERATING LLC



Jordan L. Kessler Associate Phone (505) 988-4421 Fax (505) 983-6043 ilkessler@hollandhart.com

September 28, 2018

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TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating LLC for compulsory pooling, Lea County,

New Mexico.

Huckleberry State Com No. 506H Well Huckleberry State Com No. 507H Well

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on October 18, 2018. The hearing will be held in Porter Hall in 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 Grant Bohls at (432) 818-2379 or GBohls@concho.com.

Sincerely,

ordan L. Kessler

ATTORNEY FOR COG OPERATING LLC

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П	MailClass	TrackingNo	CustomField1	ToName	DeliveryAddress	City	State Zip	Zip
2	Certified with Return Receipt (Signature)	9414810898765019046589	2 Certified with Return Receipt (Signature) 9414810898765019046589 64344 Huckleberry 501H 502H 503H 506H 507H - 1 EOG Y/A/M Resources, Inc	EOG Y/A/M Resources, Inc	5509 Champions Drive	Midland TX	ዾ	90262
m	Certified with Return Receipt (Signature)	9414810898765019046596	3 Certified with Return Receipt (Signature) 9414810898765019046596 64344 Huckleberry 501H 502H 503H 506H 507H - 3 The Allar Company	The Allar Company	PO Box 1567	Graham	ř	76450
4	Certified with Return Receipt (Signature)	9414810898765019046602	4 Certified with Return Receipt (Signature) 9414810898765019046602 64344 Huckleberry 501H 502H 503H 506H 507H - 4 GMT New Mexico Royalty Company LLC 1560 Broadway, suite 2000 Denver	GMT New Mexico Royalty Company LLC	1560 Broadway, suite 2000	Denver	8	80202
2	5 Certified with Return Receipt (Signature) 9414810898765019046619 64344 Huckleberry	9414810898765019046619	64344 Huckleberry 501H 502H 503H 506H 507H - 5 EOG Y/A/M Resources, Inc	EOG Y/A/M Resources, Inc	5509 Champions Drive	Midland	논	90262
9	6 Certified with Return Receipt (Signature) 9414810898765019046626 64344 Huckleberry	9414810898765019046626	64344 Huckleberry 501H 502H 503H 506H 507H - 6 DG Royalty, LLC	DG Royalty, LLC	110 N Marienfeld, Suite 200 Midland TX	Midland	논	79701
7	Certified with Return Receipt (Signature)	9414810898765019046633	7 Certified with Return Receipt (Signature) 9414810898765019046633 64344 Huckleberry 501H 502H 503H 506H 507H - 7 Charis Royalty F. LP	Charis Rovalty F. LP	1401 Rainbow Street	Southlake TX	Ϋ́	76092

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	MailDate	ERR_SigDate	R_SigDate USPS_Status
	09/28/2018 10	10/06/2018	/06/2018 Your item was picked up at a postal facility at 7:33 am on October 5, 2018 in MIDLAND, TX 79702.
	09/28/2018 10		702/2018 Your item was delivered at 3:00 pm on October 1, 2018 in GRAHAM, TX 76450.
	09/28/2018 10		/02/2018 Your item was delivered to the front desk or reception area at 11:15 am on October 1, 2018 in DENVER, CO 80202.
7. 9	5 09/28/2018 10		/03/2018 Your item was picked up at a postal facility at 7:31 am on October 2, 2018 in MIDLAND, TX 79702.
	6 09/28/2018 10,	10/02/2018	/02/2018 Your item was delivered to an individual at the address at 3:34 pm on October 1, 2018 in MIDLAND, TX 79701.
	8100/80/60		Vour item period at the Bost Office at 6:38 am on October 5, 2018 in SOLITHI AKE TX 76092

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 September 29, 2018 and ending with the issue dated September 29, 2018.

Publisher

Sworn and subscribed to before me this 29th day of September 2018.

Business Manager

My commission expires

January 29, 2019



OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico My Commission Expires 1-29-1

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

LEGAL

LEGAL NOTICE September 29, 2018

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 October 18, 2018, in the Oil Conservation Division Hearing Room at 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, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by October 8, 2018. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene 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 offset owners, overriding royalty interest owners, and pooled parties, including: EOG Y/A/M Resources, Inc.; Centennial Resources Production, LLC; The Allar Company; GMT New Mexico Royalty Company LLC; DG Royalty, LLC; Charls Royalty F, LP.

Case No. 16461: 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 320-acre horizontal spacing unit comprised of the W/2 W/2 of Section 15 and the W/2 W/2 of Section 22, Township 21 South, Range 33 East, NMPM, Lea County, New Mexico. The above-referenced unit will be dedicated to the Huckleberry State Com No. 506H Well and the proposed Huckleberry State Com No. 507H Well. Both wells will be horizontally drilled from a surface location in the NW/4 NW/4 (Unit D) of Section 27 to bottom hole location in the NW/4 NW/4 (Unit D) of Section 15. The completed intervals for both wells will remain within the standard setbacks as required by the Statewide rules for oil wells. Also to be considered will be the cost of drilling and completing the well the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of COG Operating LLC as operator, and a 200% charge for risk involved in drilling and completing the well. Said area is located approximately 5 miles west of Eunice, New Mexico. Eunice, New Mexico. #33280

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HOLLAND & HART LLC PO BOX 2208 SANTA FE,, NM 87504-2208

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. 10

Submitted by: CONCHO COG OPER.

Hearing Date: October 18, 2018 Case Nos. 16458-16461

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 September 29, 2018 and ending with the issue dated September 29, 2018.

Publisher

Sworn and subscribed to before me this 29th day of September 2018.

Business Manager

My commission expires WELL AND THE CONTROL OF THE PARTY AND THE

danuary 29, 2019



OFFICIAL SEAL **GUSSIE BLACK Notary Public** State of New Mexico My Commission Expires 1-29-1

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 September 29, 2018

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

The State of New Mexico through its Oil Conservation 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 October 18, 2018, in the Oil Conservation Division Hearing Room at 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, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by October 8, 2018. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible Florene 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 offset owners, overriding royalty interest owners, and pooled parties, including: EOG Y/A/M Resources, Inc.; Centennial Resources Production, LLC; The Allar Company; GMT New Mexico Royalty, Company LLC; DG Royalty, LLC; Charis Royalty F, LP.

Case No. 16460: 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 320-acre horizontal spacing unit comprised of the E/2 W/2 of Section 15 and the E/2 W/2 of Section 22, Township 21 South, Range 33 East, NMPM, Lea County, New Mexico. The above-referenced unit will be dedicated to the Huckleberry State Com No. 504H Well and the proposed Huckleberry State Com No. 505H Well. Both wells will be horizontally drilled from a surface location in the NE/4 NW/4 (Unit C) of Section 27 to bottom hole location in the NE/4 NW/4 (Unit C) of Section 15. The completed intervals for both wells will remain within the standard setbacks as required by the Statewide rules for oil wells. Also to be considered will be the cost of drilling and completing the well the allocation of the cost thereof, as well completing the well the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of COG Operating LLC as operator, and a 200% charge for risk involved in drilling and completing the well. Said area is located approximately 5 miles west of Eunice, New Mexico.

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HOLLAND & HART LLC PO BOX 2208 SANTA FE., NM 87504-2208

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 September 30, 2018 and ending with the issue dated September 30, 2018.

Publisher

Sworn and subscribed to before me this 30th day of September 2018.

Business Manager

My commission expires

January 29, 2019 (Seal)



OFFICIAL SEAL **GUSSIE BLACK Notary Public** State of New Mexico My Commission Expires 1-29-19

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

LEGAL

LEGAL NOTICE September 30, 2018

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 October 18, 2018, in the Oil Conservation Division Hearing Room at 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, ampliffer, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by October 8, 2018. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible form is needed. 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.

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To: All offset owners, overriding royalty interest owners, and pooled parties, including: EOG Y/A/M Resources, Inc.; Centennial Resources Production, LLC; The Allar Company; GMT New Mexico Royalty Company LLC; DG Royalty, LLC; Charls Royalty F, LP.

Case No. 16459: Application of COG Operating LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all incommitted interest owners in the Bone Spring formation underlying a 320-acre horizontal spacing unit comprised of the W/2 E/2 of Section 15 and the W/2 E/2 of Section 22, Township 21 South, Range 33 East, NMPM, Lea County, New Mexico. The above-referenced unit will be dedicated to the proposed Huckleberry State Com No. 503H Well. Both wells will be horizontally drilled from a surface location in the NW/4 NE/4 (Unit B) of Section 27 to bottom hole location in the NW/4 NE/4 (Unit B) of Section 15. The completed intervals for both wells will remain within the standard setbacks as required by the Statewide rules for oil wells. Also to be considered will be the cost of drilling and completing the well the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of COG Operating LLC as operator, and a 200% charge for risk involved in drilling and completing the well. Said area is located approximately 5 miles west of Eunice, New Mexico. Eunice, New Mexico. #33283

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HOLLAND & HART LLC PO BOX 2208 SANTA FE,, NM 87504-2208

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 September 30, 2018 and ending with the issue dated September 30, 2018.

Publisher

Sworn and subscribed to before me this 30th day of September 2018.

Business Manager

My commission expires January 29, 2019



OFFICIAL SEAL **GUSSIE BLACK**

Stand My Commission Expires 4

This newspaper is duly qualified to publish local notices or advertisements within the contion 3, Chapter 167, Laws for said meaning of Section 3, Chapter 167, Laws of

LEGAL NOTICE September 30, 2018

#KI171 #110 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 October 18, 2018, in the Oil Conservation Division Hearing Room at 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, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by October 8, 2018, Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible form is needed. form is needed.

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To: All offset owners, overriding royalty interest owners, and pooled parties, including: EOG Y/A/M Resources, Inc.; Centennial Resources Production, LLC; The Allar Company; GMT New Mexico Royalty Company LLC; DG Royalty, LLC; Charis Royalty F, LP.

Case No. 16458: 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 320-acre horizontal spacing unit comprised of the E/2 E/2 of Section 15 and the E/2 E/2 of Section 22, Township 21 South, Range 33 East, NMPM, Lea County, New Mexico. The above-referenced unit will be dedicated to the proposed Huckleberry State Com No. 501H Well, which will be herizontally drilled from a surface location in the NE/4 NE/4 (Unit A) of Section 27 to bottom hole location in the SE/4 SE/4 (Unit A) of Section 15. The completed interval for the Huckleberry State Com No. 501H Well will remain within the standard setbacks as required by the Statewide rules for oil wells. Also to be considered will be the cost of drilling and completing the well, the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of COG Operating LLC as operator, and a 200% charge for risk involved in drilling and completing the well. Said area is located approximately 5 miles west of Eunice, New Mexico.

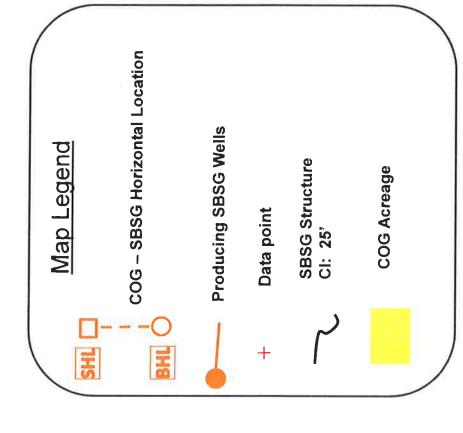
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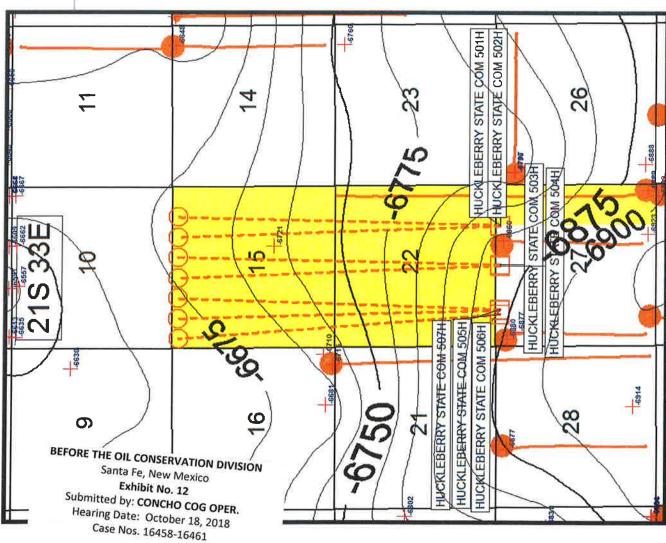
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HOLLAND & HART LLC PO BOX 2208 SANTA FE,, NM 87504-2208

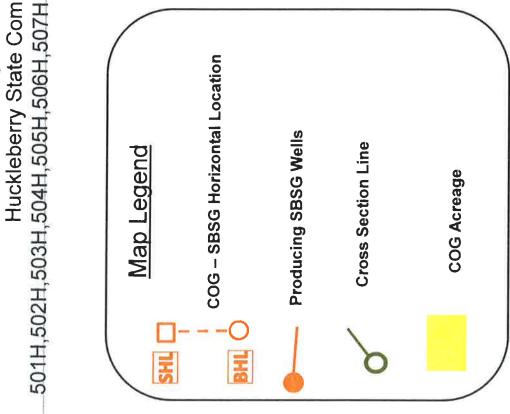
Case Nos. 16458-16461

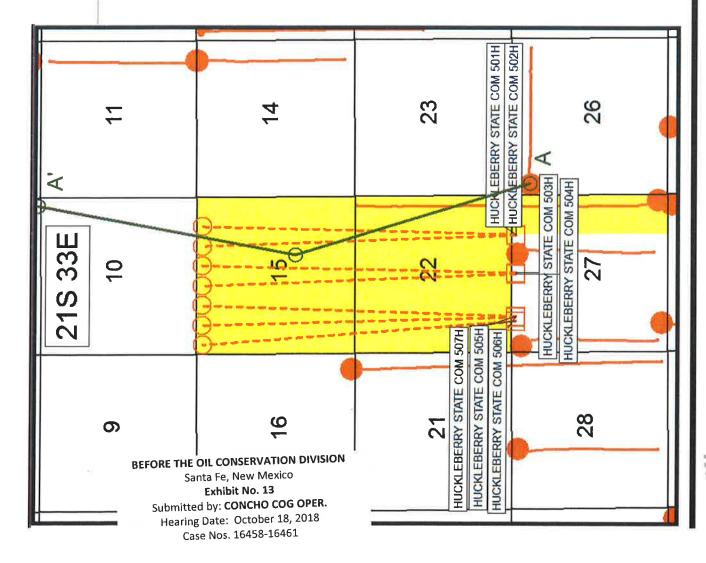






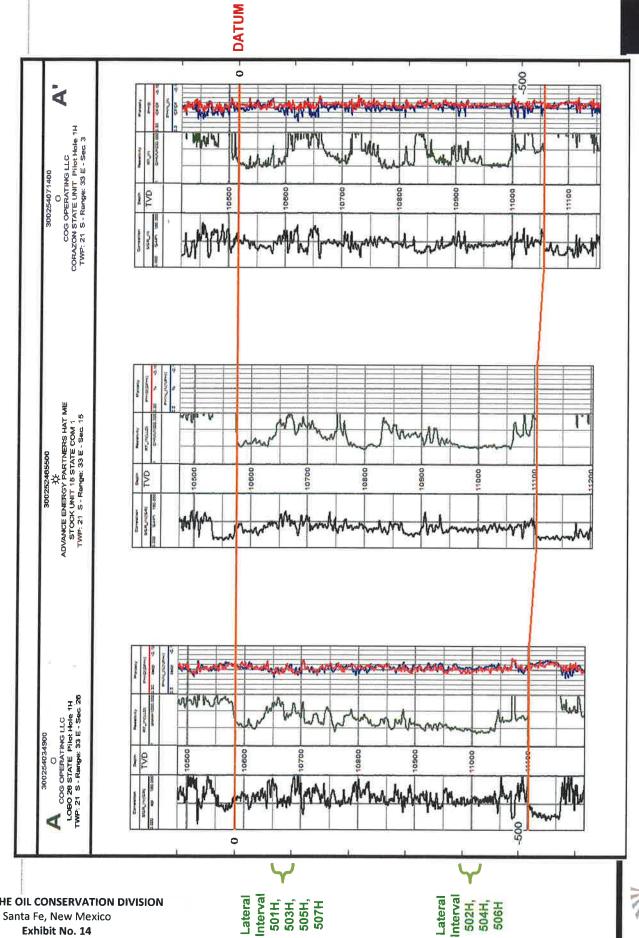








Stratigraphic Cross Section A - A'



BEFORE THE OIL CONSERVATION DIVISION

Exhibit No. 14

Submitted by: CONCHO COG OPER.

Hearing Date: October 18, 2018 Case Nos. 16458-16461

Lateral Interval 502H, 504H, 506H



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