## D3S44-200108-C-107B 646

				Revised M	arch 23, 2017
RECEIVED:	1/8/20	REVIEWER: DM	TYPE: PLC	APP NO: pDM2001453	564
		- Geological 1220 South St. Franc	DIL CONSERVATIO & Engineering Bui cis Drive, Santa Fe	reau – , NM 87505	
	THIS CHECK	LIST IS MANDATORY FOR ALL ADI	MINISTRATIVE APPLICATIONS	FOR EXCEPTIONS TO DIVISION RULES AND	i
Well Name Pool: <u>WC-02</u>	t5 G-06 S213326D	Y STATE COM#IH : BONE SPRING		OGRID Number: 22 API: 30-025-43179 Pool Code: 97929 TO PROCESS THE TYPE OF APF	
JODINII I	ACCORATE A		NDICATED BELOW	OTROCESS THE TITE OF ALL	LICATION
		ON: Check those whice acing Unit — Simultane   NSP (PROJECT	eous Dedication	RATION UNIT) SD	
[	I]Comming ☐DH	– Disposal – Pressure Ir	□PC □OLS	☐ PPR	00 OMIV
A B C D F	Offset ope Royalty, or Applicatio Notificatio Notificatio Surface ov	ne above, proof of no	rs, revenue owners notice approval by SLO approval by BLM	☐ Notice C	·
admin unders	strative app tand that <b>n</b> e	roval is <b>accurate</b> and	complete to the boon this application	red with this application for est of my knowledge. I also until the required information	n and
	Note: Sta	itement must be completed b	y an individual with mana	gerial and/or supervisory capacity.	
BOBBIE GOO				1-8-10 ate	
Thin or type	TAGINE		_	75-748-6952 hone Number	
Signature	e go	1600		ogoodloe@concho.com -mail Address	



January 8, 2020

Attn: Dean McClure NM Oil Conservation Division 1220 South Saint Francis Drive Santa Fe, New Mexico 87505

Re:

Application for Administrative Approval to Amend CTB-832

Off-lease Measurement and Pool Lease Commingle

Dear Mr. McClure,

COG Operating, LLC, respectfully requests approval to amend Administrative Order CTB-832 for Off-lease Measurement and Pool/Lease Commingling of gas to include the following wells:

Huckleberry State Com 501H, API# 30-025-45231, Ut. A, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 502H, API# 30-025-45232, Ut. B, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 503H, API# 30-025-45233, Ut. B, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 504H, API# 30-025-45234, Ut. C, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 505H, API# 30-025-45207, Ut. D, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 506H, API# 30-025-45208, Ut. D, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 507H, API# 30-025-45209, Ut. D, Sec. 27-T21S-R33E, Lea County, NM

Currently Administrative Order CTB-832 includes the Pygmy 27 State Com #1H-3H wells which are communitized into one 480 acre spacing unit. The Raspberry State Com #1H well has a separate communitization agreement. All gas produced from the four wells are surface commingled and sold at the ETC gas sales meter #68870 located at the Pygmy 27 State Com #1H battery in Ut. D, Sec. 27-T21S-R33E.

On occasion, the ETC gas sales line used by the Pygmy/Raspberry wells will be shut in for extended periods of time. In order to prevent the unnecessary flaring of gas, we are requesting OCD approval to utilize the Targa gas meter #161001222 by commingling the Raspberry/Pygmy gas with Huckleberry gas when the ETC gas line is shut in.

Please find the attached Administrative Application Checklist, plats for referenced wells, proof of notice to interest owners, diagrams of site facilities, map with lease boundaries showing wells and facility locations and a copy of the letter to the New Mexico State Land Office.

Thank you for your attention to this matter.

Sincerely,

Bobbie Goodloe C Regulatory Analyst

**Enclosures** 

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

# State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-B Revised August 1, 2011

#### **OIL CONSERVATION DIVISION**

1220 S. St Francis Drive Santa Fe, New Mexico 87505 Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)										
OPERATOR NAME: COG Op	erating LLC	•								
OPERATOR ADDRESS: 2208 W. Main Street, Artesia, NM 88210										
APPLICATION TYPE:										
☐ Pool Commingling ☐ Lease Commingli	ng ⊠Pool and Lease Co	mmingling Off-Lease	Storage and Measur	rement (Only if not Surface	e Commingled)					
	State  Fede									
Is this an Amendment to existing Orde Have the Bureau of Land Management   ☐ Yes ☐ No					ingling					
(A) POOL COMMINGLING Please attach sheets with the following information										
Gravities / BTU of Non-Commingled Production Production Calculated Gravities / BTU of Commingled Production Calculated Gravities / BTU of Commingled Commingled Production Production Calculated Value of Commingled Production Calculated Value of Commingled Production Calculated Gravities / BTU of Commingled Production Calculated Gravities / BTU of Commingled Production Calculated Gravities / BTU of Commingled Production Calculated Gravities / Calculated Value of Commingled Production Calculated Gravities / BTU of Calcula										
WC-025 G-06 S213326D; BS 97929	BTU 1232.0									
WC-025 G-08 S213304D; BS 97895	BTU 1347.4									
(2) Are any wells producing at top allows	ibles? □Yes ⊠No									
(3) Have all interest owners been notified (4) Measurement type:   Metering (5) Will commingling decrease the value	Other (Specify)									
		SE COMMINGLIN s with the following in		····						
(1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type:   Metering	certified mail of the prop		∐Yes ∐N∂	0						
	• •	LEASE COMMIN s with the following in								
(1) Complete Sections A and E.										
(1	O) OFF-LEASE ST	ORAGE and MEA	SUREMENT							
	_	ets with the following	information	<del></del>						
(1) Is all production from same source of (2) Include proof of notice to all interest of		0								
(E) Al		RMATION (for all swith the following in		pes)						
<ol> <li>A schematic diagram of facility, inclu</li> <li>A plat with lease boundaries showing</li> <li>Lease Names, Lease and Well Number</li> </ol>	ding legal location. all well and facility locati			te lands are involved.						
I hereby certify that the information above is	0 - 11	best of my knowledge and TLE: Regulatory Analys		ATE: 01/08/2020						
TYPE OR PRINT NAME Bobbie Good										

PAGE 1 OF 2

DRAWN BY: WN

W.O. #19-2262

State of New Mexico DISTRICT I 1625 N. FRENCH DR., HOSBS, NM 88240 Phone: (676) 393-6161 Fax: (675) 893-0720 Energy, Minerals & Natural Resources Department Form C-102 DISTRICT II 611 S. FIRST ST., ARTESIA, NM 86210 Phone: (675) 748-1283 Fax: (675) 748-8720 CONSERVATION DIVISION Revised August 1, 2011 Submit one copy to appropriate 1220 SOUTH ST. FRANCIS DR. District Office DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, New Mexico 87505 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87605 Phone: (505) 476-3460 Fax: (505) 476-3462 M AMENDED REPORT AS DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 97895 30-025-45234 WC-025 G-08 S213304D; BONE SPRING Property Code Property Name Well Number 322447 HUCKLEBERRY STATE COM 504H OGRID No. Operator Name Elevation COG OPERATING, LLC 229137 3741.6 Surface Location UL or lot No. Section Lot Idn Feet from the North/South line Township Range Feet from the East/West line County С 27 21-S 33-E 145 **NORTH** 2630 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 15 21 - S33-E 236 NORTH 2299 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 SEE PAGE 2

Property Code	Property Name	Well Number
322447	HUCKLEBERRY STATE COM	504H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3741.6
2299'	SURP SURP SECTION 15  SECTION 22  1800	
2630	UPPER PERF - 11,228'   Sig   SECTION 22   St.   SECTION 27   SECT	knowledge and belief, and that this anisation either owns a working interest anisation either owns a working interest unleased mineral interest in the land hading the proposed bottom hole locathes a right to drill this well at this sain pursuant to a contract with an iter of such mineral or working interest to a voluntary pooling agreement or a spulsory pooling order heretofore enter the division.  1/08/20 Inature Date  obbie Goodloe inted Name  oodloe@concho.com  mail Address  SURVEYOR CERTIFICATION  I hereby certify that the well locatify on this plat was plotted from field as of actual surveys made by me or er my supervision, and that the same and correct to the best of my belief JG. 1, 2018/MAY 14, 2019  te of Survey/Date of Geographic Survestature & Seal of Professional Survestature & Seal of Professional Surves

| 17777 | 80 | 17777 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1

Form C-102

AS DRILLED

County

LEA

County

LEA

State of New Mexico DISTRICT I 1525 N. FRENCH DR., HOBBS, NM 88240 Phone: (676) 393-6161 Fax: (678) 393-0720 Energy, Minerals & Natural Resources Department DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 CONSERVATION DIVISION Revised August 1, 2011 Submit one copy to appropriate 1220 SOUTH ST. FRANCIS DR. District Office DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, New Mexico 87505 DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 M AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code 97895 WC-025 G-08 S213304D; BONE SPRING 30-025-45233 Property Code Property Name Well Number 322447 HUCKLEBERRY STATE COM 503H OGRID No. Operator Name Elevation COG OPERATING, LLC 229137 3743.9 Surface Location UL or lot No. Section Lot Idn Feet from the Township Range North/South line Feet from the East/West line В 27 21-S 33-E 145 NORTH 2620 **EAST** 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 В 15 21-S 33-E 200 NORTH 2341 **EAST** 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

SEE PAGE 2

PAGE 1 OF W.O. #19-2261 DRAWN BY: WN

Property Code 322447	Property Name HUCKLEBERRY STATE COM	Well Number 503H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3743.9'
LOWER PERF - 21.0: 319' FNL & 2333' FU  NAD 83 NME BOITOM HOLE LOCATION Y=541234.5 N X=779985.6 E LAT.=32.485536' N LONG.=103.559375' W		
SECTION 15 SECTION 22	DRILL	SURPACE INFO AND BOREPATH SHOWN HEREON IS EASED ON DIRECTIONAL SURVEY REPORT FROVIDED BY COG OPERATING, LLC FOR THE HUCKLEBERRY STATE COM #503H SUPPLIED TO HARCROW SURVEYING, LLC ON DECEMBER 4, 2019
		SCALE: 1"=1800'  OPERATOR CERTIFICATION  I hereby certify that the information herein is true and complete to the best of the house of the property of the seat of the this organisation either owns a working interest or unlessed mineral interest in the land including the proposed bottom hale location or has a right to drill this well at this location pursuant to a contract with an
UPPER PERF - 10,942'_ 181' FSL & 2288' FEL		owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entere by the division.  1/08/20 Signature  Bobbie Goodloe  Printed Name
SECTION 22 SECTION 27 KICK OFF POINT - 10,22 230' FNL & 2275' FEL		bgoodloe@concho.com  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 it true and correct to the best of my belief.
	NAD 83 NME <u>SURFACE LOCATION</u> Y=530734.3 N X=779788.8 E LAT.=32.455680' N LONG.=103.550260' W	AUG. 1, 2018/MAY 28, 2019  Date of Survey/Date of Geographic Survey  Signature & Seal of Professional Survey  MEXICO  MEXICO
		17777 86 86 17777 86 18 18 18 18 18 18 18 18 18 18 18 18 18

State of New Mexico DISTRICT I Energy, Minerals & Natural Resources Department 1625 N. FRENCH DR., HOBBS, NM 88240 Phone: (876) 393-6161 Fax: (676) 393-0720 Form C-102 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 OIL CONSERVATION DIVISION Revised August 1, 2011 Submit one copy to appropriate 1220 SOUTH ST. FRANCIS DR. District Office DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 67410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, New Mexico 87505 DISTRICT IV M AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fex: (505) 476-3462 AS DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-025-45207 97895 WC-025 G-08 S213304D; BONE SPRING Property Code Property Name Well Number 322447 HUCKLEBERRY STATE COM 505H Operator Name OGRID No. Elevation COG OPERATING, LLC 229137 3716.1 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County D 27 33-E 145 **NORTH** 21 - S1200 WEST LEA Bottom Hole Location If Different From Surface UL or lot No. Section Township Lot Idn Feet from the North/South line Range Feet from the East/West line County 15 21-S 33-E 200 NORTH 1650 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

SEE PAGE 2

PAGE 1 OF 2 W.O. #19-2263 DRAWN BY: WN

	Property Name HUCKLEBERRY STATE COM				
D No. 137 Co	Operator Name OG OPERATING, LLC	3716.1°			
1200'					
1650'   18.H.   LOWER PERF - 21,003'					
322' FNL & 1658' FWL					
NAD 83 NME					
BOTTOM HOLE LOCATION Y=541227.1 N					
X=778671.0 E LAT.=32.485542 N LONG.=103.563638					
	. — –				
PATH	IS RA	ICE INFO AND BOREPATH SHOWN HEREO SED ON DIRECTIONAL SURVEY REPORT THE BY COC OPERATING ILC FOR THE			
	2019	DED BY COG OPERATING, LLC FOR THE LEBERRY STATE COM #505H SUPPLIED T ROW SURVEYING, LLC ON DECEMBER 4,			
SECTI	1800	0 1			
	1.7.1	SCALE: 1"=1800'			
		OPERATOR CERTIFICATION			
	bere.	I hereby certify that the information in is true and complete to the best of knowledge and belief, and that this			
	orgai or u. inclu	knowledge and belief, and that this pisation either owns a working intere pleased mineral interest in the land iding the proposed bottom hole locati as a right to drill this well at this			
	locat owne	lion pursuant to a contract with an or of such mineral or working interes			
	comp	o a voluntary pooling agreement or a pulsory pooling order heretofore enter he division			
!		1/08/20			
UPPER PERF — 11,038'		nature 🐧 Date  obie Goodloe			
i / !	Prin	ited Name			
<del></del>	ION 27	oodloe@concho.com			
KICK OFF POINT - 10,182'		URVEYOR CERTIFICATION  I hereby certify that the well location on this plat was piotted from field			
257' FNL & 1615' FWL	notes unde:	n on this plat was plotted from held of actual surveys made by me or r my supervision, and that the same and correct to the best of my belief.			
NAD 83 NME SURFACE LOCATION	, AUC	G. 1, 2018/MAR. 22, 2019			
Y=530725.3 N X=778304.9 E	Signa	of Survey/Date of Geographic Surventure & Seal of Professional Surve			
LAT.=32.456684* N LONG.=103.565070*	√	DL. HARCO			
		CH MEXICO			

PAGE 2 OF 2 W.O. #19-2263 DRAWN BY: WN

PAGE 1 OF 2

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W.O. #19-2264

State of New Mexico DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 65240 Phone: (575) 393-6101 Fax: (575) 393-0780 Energy, Minerals & Natural Resources Department Form C-102 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 86210 Phone: (875) 748-1283 Fax: (875) 748-9720 OIL CONSERVATION DIVISION Revised August 1, 2011 Submit one copy to appropriate 1220 SOUTH ST. FRANCIS DR. District Office DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-8178 Fez: (505) 334-8170 Santa Fe, New Mexico 87505 DISTRICT IV M AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FE, NM 87606 Phone: (505) 476-3460 Pax: (506) 476-3462 AS DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code 97895 30-025-45208 WC-025 G-08 S213304D; BONE SPRING Property Code Property Name Well Number 322447 HUCKLEBERRY STATE COM 506H OGRID No. Operator Name Elevation COG OPERATING, LLC 3715.5 229137 Surface Location UL or lot No. Section Township Lot Idn Feet from the North/South line Feet from the Range East/West line County D 27 21-S 33-E 145 NORTH 1170 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 15 33-E 21-S 203 NORTH 997 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 SEE PAGE 2

Property Code 322447	Property Name UIICVI FDFDDV CTATE	Well Number
	HUCKLEBERRY STATE	
OGRID No.	Operator Name COG OPERATING, I	Elevation 7745 5
229137	COG OPERATING, I	<b>LLC</b> 3715.5'
997' BHI	LOWER PERF - 21,244' 309' FNL & 995' FWL  NAD B3 NME BOTTOM HOLE LOCATION Y=541220.0 N X=778018.0 E LAT.=32.485535' N LONG.=103.565756' W  SECTION 15 SECTION 22	SURFACE INFO AND BOREPATH SHOWN HEREOUS IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LIC FOR THE HUCKLEBERRY STATE COM \$500H SUPPLIED IN HARCROW SURVEYING, LIC ON DECEMBER 6, 2019  1800  OPERATOR CERTIFICATION  I hereby certify that the information berein is true and complete to the best 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 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 enter by the division.
1170' OSL	UPPER PERF - 12,247' 1254' FSL & 992' FWL 15' SECTION 22  KICK OFF POINT - 10,409' 247' FNL & 1020' FWL	Signature Date  Bobbie Goodloe  Printed Name  bgoodloe@concho.com  E-mail Address  SURVEYOR CERTIFICATION  I bereby certify that the well locatic shown on this plat was plotted from field
	NAD 83 NME   SURFACE LOCATION   Y=530725.1 N   X=778275.0 E   LAT.=32.456684* N   LONG.=103.565167* W	notes of ectual surveys made by me or under my supervision, and that the same true and correct to the best of my belief.  AUG. 1, 2018/APR. 25, 2019  Date of Survey/Date of Geographic Survey  Signature & Seal of Professional Survey  MEXICAL MEXIC

DISTRICT II 511 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1285 Fax: (575) 748-8720

State of New Mexico DISTRICT I
State of New Mexico

1825 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department

Phone: (876) 383-4161 Fax: (876) 383-0720 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 Pax: (506) 334-6170

MENDED REPORT AS DRILLED

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 67505 Phone: (505) 476-3480 Fex: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name	NE SPRING			
30-025-45209	97895	WC-025 G-08 S213304D; BOX				
Property Code 322447		Property Name HUCKLEBERRY STATE COM				
OGRID No.	-	ator Name	Elevation			
229137		RATING, LLC	3714.8'			

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	21-S	33-E		145	NORTH	1140	WEST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot	No.	Section	Townshi	p	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D		15	21-	S	33-E		200	NORTH	310	WEST	LEA
Dedicated	Dedicated Acres		r Infill	Con	solidation (	Code Or	der No.		<del></del>		
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

SEE PAGE 2

PAGE 1 OF 2 W.O. #19-2265 DRAWN BY: WN

Property Code	Property Name HUCKLEBERRY STATE COM	Well Number
322447 ogrid No.	Operator Name	507H Elevation
229137	COG OPERATING, LLC	3714.8
200' B.H.  LOWER PERF - 293' FNL & 311	NAD 83 NME  80TIOM HOLE LOCATION Y=541219.0 N X=777330.3 E LAT.=32.485546 N LONG.=103.567986 W	SURFACE INFO AND BOREPATH SHOWN HEREON IS EASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE HUCKLEBERRY STATE COM \$507H SUPPLIED TO HARCROW SURVEYING, LLC ON DECEMBER 6, 2019  800 0 18  SCALE: 1"=1800'  OPERATOR CERTIFICATION  I hereby certify that the information herein is true and complete to the best on 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 locatio 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 pooline aeresement or a
UPPER PERF — 156' FSL & 320  1140' KICK OFF POINT 224' FNL & 370	SECTION 22   SECTION 27   - 10,527'	certificate No. CHAD HARCROW 1777

DISTRICT I

1826 M. FRENCH DR., HOBBS, NM 88240
Phome: (676) 389-6161 Fax: (676) 398-6720

DISTRICT II.

DISTRICT II.

OIL CONSERVATION DIVISION

11 S. FRST St., ARTESIA, NM 88210
Phome: (676) 746-1283 Fax: (576) 748-9720

OIL SOUTH ST. FRANCIS DR.

CONSERVATION DIVISION
Revised August 1, 2011
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised August 1, 2011
Submit one copy to appropriate
District Office

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (805) 334-6178 Fax: (805) 334-6170

Form C-102

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

	WELL LOCATION AND .	ACREAGE DEDICATION PLAT			
API Number	Pool Code	Pool Code Pool Name			
30-025-45232	97895	WC-025 G-08 S213304D; BONE SPRING			
Property Code	Prop	erty Name	Well Number		
322447	HUCKLEBER	HUCKLEBERRY STATE COM			
OGRID No.		ator Name	Elevation		
229137	COG OPE	RATING, LLC	3764.8'		

#### Surface Location

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ı	В	27	21-S	33-E		145	NORTH	1355	EAST	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
В	15	21-	-S	33-E		201	NORTH	1659	EAST	LEA
Dedicated Acres   Joint or Infill   Consolidation Code			Code Or	der 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

SEE PAGE 2

211447	Property Name HUCKLEBERRY STATE COM	Well Number 502H
322447 OGRID No.	Operator Name	SUZ   Elevation
229137	COG OPERATING, LLC	3764.8
LOWI 321'   NAD 83 NI BOTTOM HOLE LOCAL Y=541235.5	201	E INFO AND BOREPATH SHOWN HEREGO ON DIRECTIONAL SURVEY REPORT BERRY STATE COM \$502H SUPPLIED WE SURVEYING, LLC ON DECEMBER 4,  O  SCALE: 1"=1800'  PERATOR CERTIFICATION I hereby certify that the informatic towledge and belief, and that this ration either owns a working interes towledge and belief, and that this ration either owns a working interes to the proposed bottom hole local ing the proposed

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

State of New Mexico DISTRICT I
State of New Mexico

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

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

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

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM B7410 Phone: (505) 334-6178 Fax: (505) 334-6170

E AMENDED REPORT AS DRILLED

DISTRICT IV 1220 S. ST. FRANCIS DR., BANTA FE, NM 87505 Phone: (506) 476-3460 Fax: (506) 476-3462

FROM: (000) 470-2400 FRA. (000) 470	WELL LOCATION AND ACREAGE DEDICATION PLAT	AS DRILLED
API Number 30-025-45231	Pool Code Pool Name 97895 WC-025 G-08 S213304D	
Property Code 322447	Property Name HUCKLEBERRY STATE COM	Well Number 501H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3766.4'

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Α	27	21-S	33-E		145	NORTH	1325	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
Α	15	21-S	33-E		201	NORTH	979	EAST	LEA
Dedicated Acres	B Joint o	r Infili C	onsolidation	Code Or	der 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

SEE PAGE 2 PAGE 1 OF 2 W.O. #19-2259 DRAWN BY: WN

Operator Name  COG OPERATING, LLC  STORE FERF - 21,050  LUNES FERF - 21,050  SECTION 15  SECTION 22  SECTION 25  SECTION 27  SECTION 28  SECTION 28  SECTION 28  SECTION 28  SECTION 29  S	roperty Code	Property Name	Well Number
2011  LONER PERF - 21,050'  JOS THE 4951' RI  NO. 63 ME  NO. 63 ME  NO. 60 MIN  1-5412372 N  NO. 73 ME  NO. 101,551255' W  SECTION 15  SECTION 15  SECTION 22  1800 O 1  SECTION 25  SECTION 25  NO. 67 FORT - 10,962'  NO. 67 FORT - 10,962'  NO. 67 FORT - 10,166'  SECTION 28  SECTION 28  NO. 67 FORT - 10,962'  NO. 67 FORT - 10,966'  NO. 67 FORT	322447	HUCKLEBERRY STATE COM	501H
LOWER PERF - 21.050'  JOS' FIN. & 981' FEL  NOD 83 NNE BOTTOM INST. LOCATION 1-5412372 N  LAN-21.485516 N  LONG. = 103.5548557 W  SECTION 15  SECTION 15  SECTION 22  SECTION 22  SECTION 22  1800  OPERATOR CERTIFICATION I have yearly that the informatic harden is true and complete to the beat my financing subset of the land and informatic harden is true and complete to the beat my financing period beat may be beat and the same or unlessed mineral interest in the land and informatic harden in true and complete to the beat my financing period beat may be beat and the same or unlessed mineral interest in the land and informatic harden in true and complete to the beat my financing period beat may be beat and the same or unlessed mineral interest in the land and the same of the same interest in the land and the same interest in the same interest in the land and the same interest in the same interest interest in the land and the same interest interest in the same interest in	I .		
NAD 83 NME SURFACE LOCATION Y=530741.0 N X=781083.8 E  AUG. 1, 2018/APR. 25, 2019 Date of Survey/Date of Geographic Survey Signature & Seal of Professional Survey	NAD 83 NME BOTTOM HOLE LOCATIO Y=541237.2 i X=781347.4LAT_=32.485516 LONG.=103.55495  SECTION 15 SECTION 22  UN 16 SECTION 22  SECTION 22  KKC	201	PACE INFO AND BOREPATH SHOWN HEREOMSED ON DIRECTIONAL SHOWN FEPORT VIDEO BY COC OPERATING, LIC FOR THE KLEBERRY STATE COM \$501H SUPPLIED : CROW SURVEYING, LIC ON DECEMBER 4, 19 O 1 O 1 O 1 O 1 O 1 O 1 O 1 O 1 O 1
SURFACE LOCATION Y=530741.0 N X=781083.8 E  Signature & Seal of Professional Survey			
X=781083.8 E Signature & Seal of Professional Surve		SURFACE LOCATION Y=530741.0 N	te of Survey/Date of Geographic Surv
SIN WEXICO		LAT.=32.456672* N	DL. HARCO
			17777 BESSIONA 12/12/ Pufficate No. CHAD HARCROW 177
Chad Horrow 12/12			CHAD HARCROW 177 D. #19-2259 DRAWN BY: W

DISTRICT I 1625 N. French Dr., Hobbs, NM 65240 Phone (676) 393-6161 Faz: (575) 393-0720 DISTRICT II 811 S. First St., Artesia, NM 88210 Phone (676) 748-1253 Fag: (676) 748-9720

DISTRICT III 1000 Rio Brazos Rd., Aztec. NM 87410 Phone (605) 334-8178 Fax: (606) 334-8170

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 67505 Phone (506) 476-8460 Fax: (506) 476-8442

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised August 1, 2011

Submit one copy to appropriate District Office

#### OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name				
30-025-43179	97929	WC-025 G-06 S213326D; Bone Spring				
Property Code	Prope	orty Name	Well Number			
316099	RASPBERR'	RASPBERRY STATE COM				
OGRID No.	Opera	ator Name	Elevation			
229137	COG OPE	RATING, LLC	3709'			

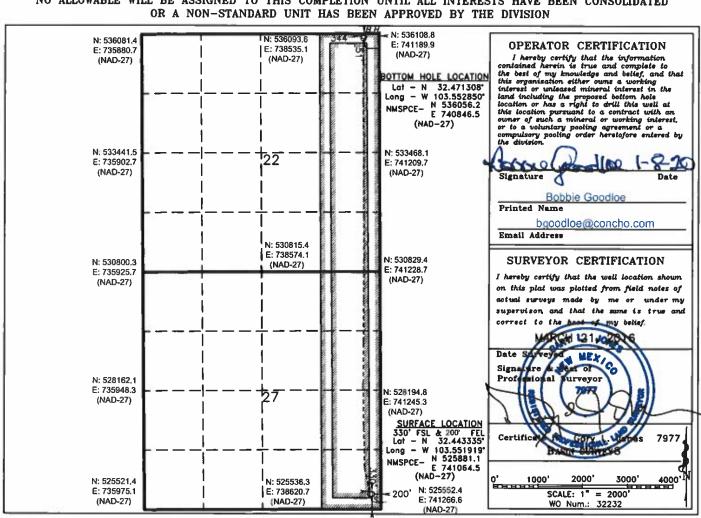
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	21 S	33 E		330	SOUTH	200	EAST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section 22	Township 21 S	Range 33 E	Lot Idn	Feet from the	North/South line	Feet from the 344	East/West line EAST	County 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



DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 68240 Phone: (675) 383-6161 Fax: (576) 393-0720

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

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (876) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-8178 Fax: (505) 334-6170

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

Form C-102
Revised August 1, 2011
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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				
30-025-42068	97929	WC-025 G-06 S213326	D; Bone Spring			
Property Code	Prop	erty Name	Well Number			
310282	PYGMY 27 STATE COM 3H					
OGRID No.	Орег	ator Name	Elevation			
229137	COG OPE	RATING, LLC	3755.0'			

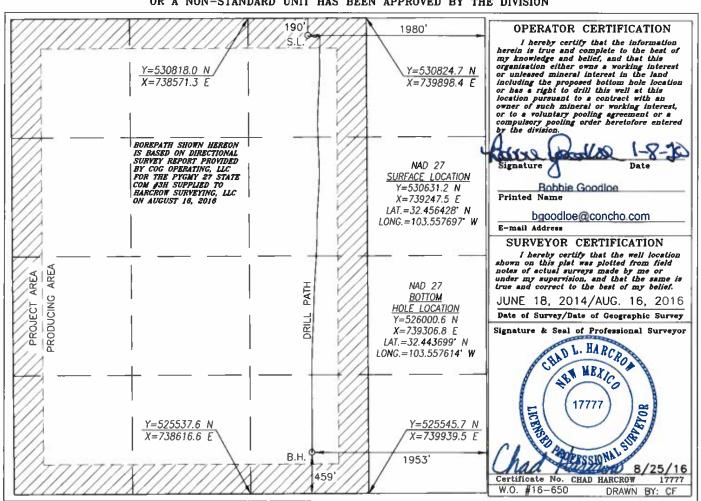
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	27	21-S	33-E		190	NORTH	1980	EAST	LEA

#### Bottom Hole Location If Different From Surface

ſ	UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
	0	27	21-S	33-E		459	SOUTH	1953	EAST	LEA
Γ	Dedicated Acres   Joint or Infill   Consolidation Code   Order No.									
	<b>4</b> 80					R-1	4033-A			

## 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 DISTRICT I

State of New Mexico

1025 N. FRENCH DR., HOBBS, NM 85240
Phone: (676) 503-6101 Fax: (676) 393-0730

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 86210 Phone: (575) 748-1263 Fax: (575) 748-9720

1220 SOUTH ST. FRANCIS DR. DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fex: (506) 334-6170 Santa Fe, New Mexico 87505

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

☐ 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					
ı	API Number	Pool Code	Pool Name					
Į	30-025-42062	97929	WC-025 G-06 S213326D; E	Bone Spring				
	Property Code	Prop	Well Number					
	310282	PYGMY 27	PYGMY 27 STATE COM					
Γ	OGRID No.		itor Name	Elevation				
	229137	COG OPE	RATING, LLC	3726.5				

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	27	21 <b>-</b> S	33-E		190	NORTH	1980	WEST	LEA

#### Bottom Hole Location If Different From Surface

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	N	27	21-5	33-E		340	SOUTH	1968	WEST	LEA
	Dedicated Acres   Joint or Infill   Consolidation Code					der No.	<u> </u>		-	
	480					R-140	033-A			

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

		NUARU UNII HAS BEE	APPROVED B1 11	TE DIVISION
1980' Y=530810.1 N X=737247.2 E	(190°// S.L.	Y=530818.0 N X=738571.3 E	NAD 27 <u>SURFACE LOCATION</u> Y=530624.0 N X=737904.2 E LAT.=32.456435* N LONG.=103.562052* W	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 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.
PROJECT	DRILL PATH		BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PYGMY 27 STATE COM #2H SUPPLIED TO HARCROW SURVEYING, LLC ON AUGUST 16, 2016	Signature Date  Bobbie Goodloe  Printed Name  booodloe@concho.com  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.  JUNE 18, 2014/AUG. 16, 2016  Date of Survey/Date of Geographic Survey
Y=525530.5 N X=737294.5 E	B.H. 340'	Y=525537.6 N X=738616.6 E	NAD 27 <u>PROPOSED BOTTOM</u> <u>HOLE LOCATION</u> Y=525873.9 N  X=737936.7 E  LAT.=32.443378' N  LONG.=103.562058' W	Signature & Seal of Professional Surveyor  17777  17777  8/25/16  Certificate No. CHAD HARCROW 17777  W.O. #16-649  DRAWN BY: CF

DISTRICT I 1825 N. FRENCH DR., HOBBS, NM 88240 PROME (575) 393-0161 FAX: (675) 393-0720 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 PROME (575) 746-1283 Fax: (676) 748-9720

State of New Mexico
Energy, Minerals & Natural Resources Department
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1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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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 DEDIC	ATION PLAT	
API Number	Pool Code		Pool Name	
30-025-4035	2 97929	WC-025	G-06 S213323D;	Bone Spring
Property Code	Pro	perty Name		Well Number
310282	PYGMY 2	7 STATE COM		1H
OGRID No.		rator Name	Elevation	
272295	COG OPI	ERATING, LLC		3706.2'

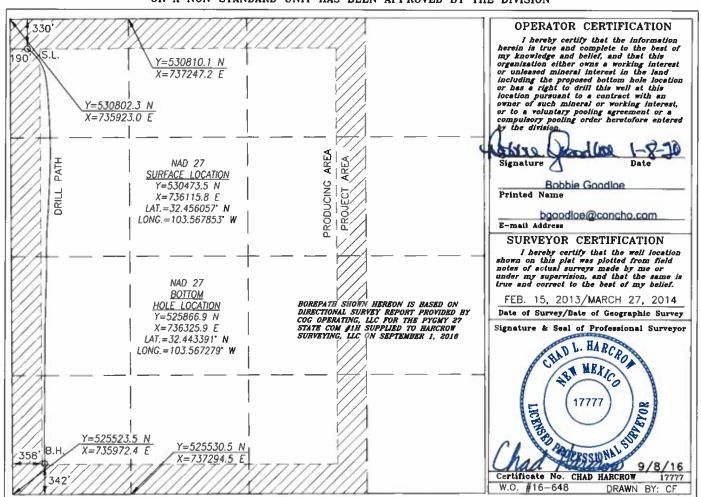
#### Surface Location

UL or	lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
	D	27	21-S	33-E		330	NORHT	196	WEST	LEA

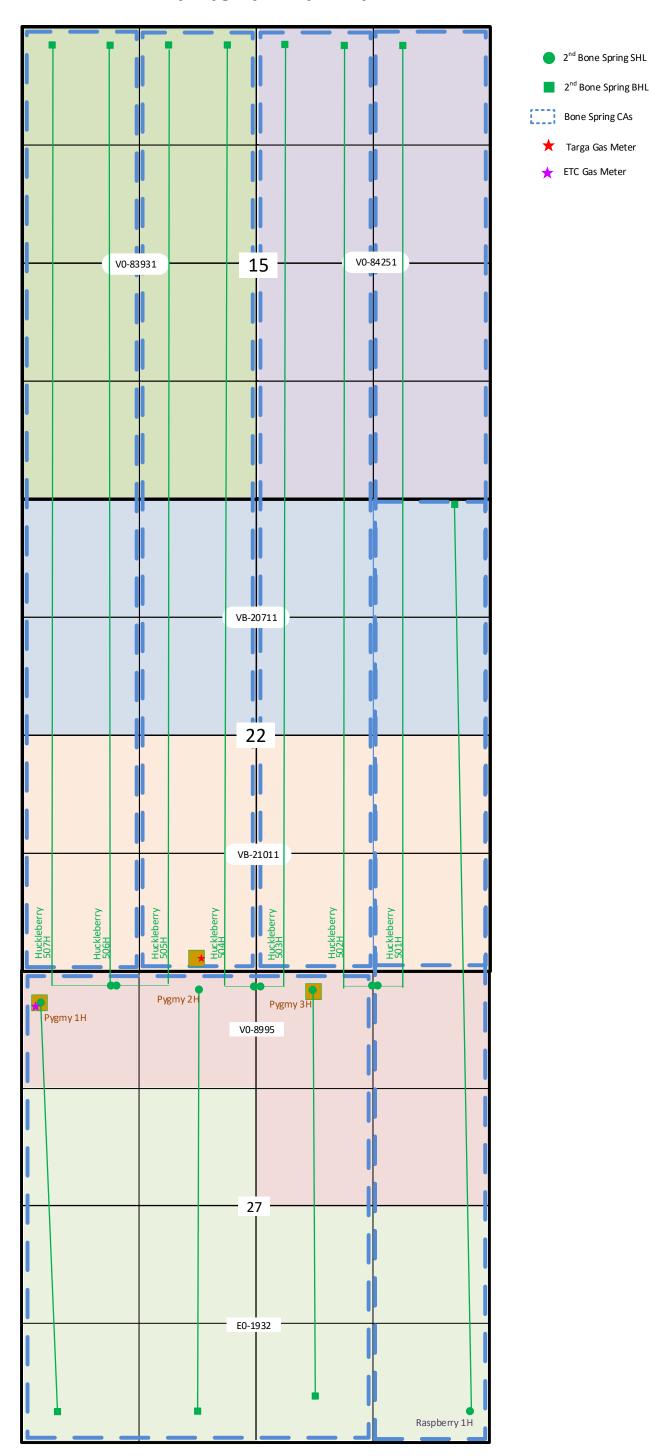
#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	27	21-S	33-E		342	SOUTH	358	WEST	LEA
Dedicated Acres   Joint or Infill   Consolidation Code				Code Or	der No.				
480				R-	-14033-A				

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



# **Huckleberry/Pygmy/Raspberry Leases**

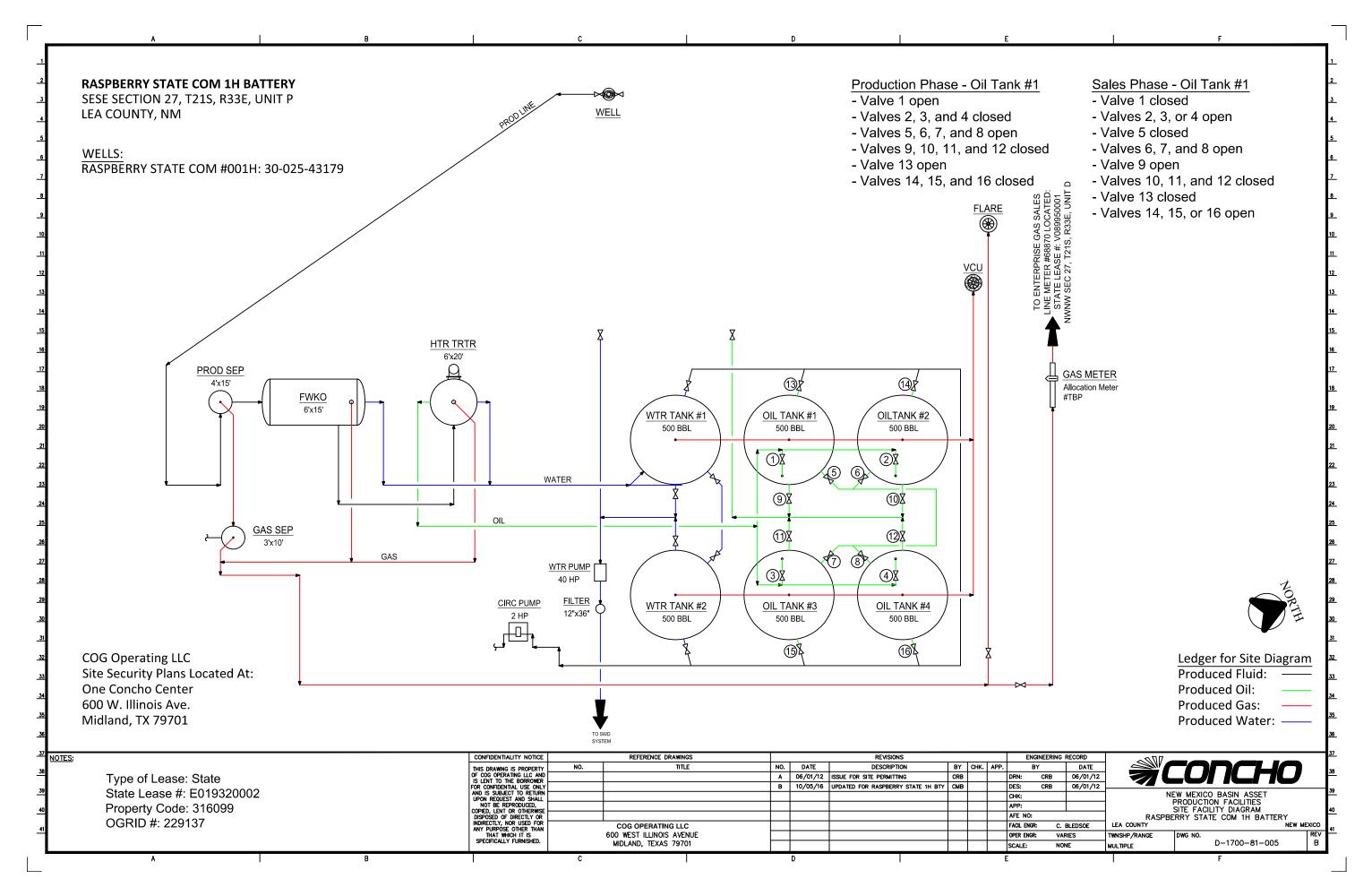


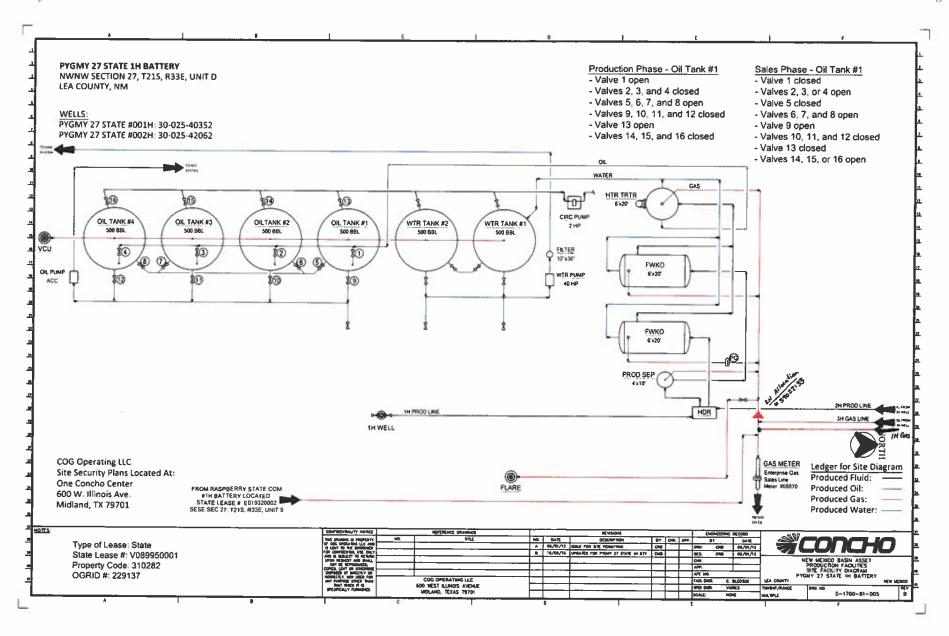
Sec. 15, 22, 27-T21S-R33E Lea County, NM



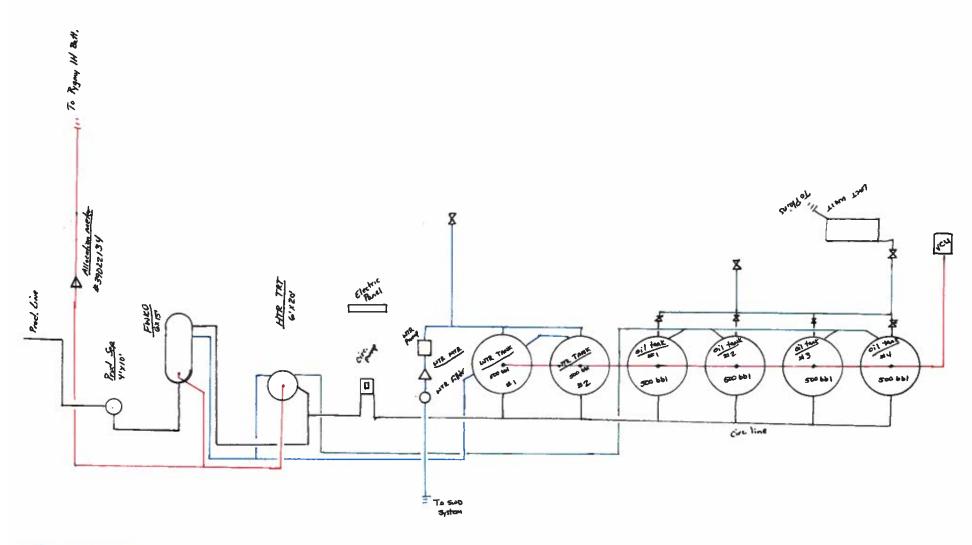
Pygmy State 1H - 3H Raspberry State Com 1H Huckleberry State Com 501H – 507H Sec. 15, 22, 27-T21S-R33E Lea County, NM

Received by OCD: 1/8/2020 2:26:16 PM





>N



No. 1242 11" > 17" 35"16" ISOMETRIC

TO TARGA

PIPELINE

**FACILITY VOLUMES** - OIL: 10,000 BPD

- WATER: 30,000 BPD

- GAS: 30 MMSCFD

SALES GAS SCRUBBER

**HDR** 

<u>HDR</u>

Vx SPECTRA

LIFT USERS

(METERED AT PAD)

F1)

NOT ON PAD

LOCATED:

#### **HUCKLEBERRY STATE 22 N CTB**

SECTION 22, T21S, R33E, UNIT N COORDS: 32.458055, -103.562222 LEA COUNTY, NM

#### WELLS:

HUCKLEBERY STATE COM #501H: 30-025-45231 HUCKLEBERY STATE COM #502H: 30-025-45232 HUCKLEBERY STATE COM #503H: 30-025-45233 HUCKLEBERY STATE COM #504H: 30-025-45234 HUCKLEBERY STATE COM #505H: 30-025-45207 HUCKLEBERY STATE COM #506H: 30-025-45208 HUCKLEBERY STATE COM #507H: 30-025-45209

# Production Phase - Oil Tank #1

- Valve 2 & 6 open
- All other valves closed

#### Sales Phase - Oil Tank #1

- Valve 1 open
- All other valves closed

#### TEST SEP. #1 METERS

WTR TANK #2

CIRC/ROLL PUMP 5 HP

TO PLAINS LACT

TO SWD

WTR TANK #1

WTR PUMP 100 HP

WTR PUMP

100 HP

GUN BARREI

OIL CHARGE PUMP

OIL TANK #1
Oil FMP #1:

#168657307-1

7.5 HF

Gas Test Meter: (G1): #NB05C416000 Oil Test Meter: (O1): #NB081B16000 Water Test Meter:

(W1): #NB04E316000

TEST SEP. #2 METERS Gas Test Meter: (G2): #NB066016000 Oil Test Meter: (O2): #NB081B16000 Water Test Meter: (W2): #NB03B016000

**METERS** LP Flare Gas Meter: LP Flare Gas Meter: (F3): #196673-85823 (F1): #39022655 HP Flare Gas Meter:

VRU/Booster Gas Meter: (F2): #39022655 (GV): #39022654 VCU Gas Meter: Water Transfer Meter: (GC): #19667-8525

OIL TANK #1

Oil FMP #1: #168657307-1

**X**(13)

**X**14

168657307-3 OIL TANK #3

750 BBL

X(1)

**X**19

LACT UNIT

168657307-4

VERT OIL TAN

750 BBL

OIL TANK #1

Oil FMP #1: #168657307-1

**X**7

**X**®

168657307-2 OIL TANK #2

750 BBL

X00 X09

OIL TANK #1

Oil FMP #1: #168657307-1

θ

**X**1

**X**2

168657307-1 OIL TANK #1

750 BBL

VRU 20 HP

(5)x

FLARE

SCRUBBER -

PUMP

LOW PRESSURE SCRUBBER

HTR TRTR

PROD SEP

TEST SEP

TEST SEP

ENGINEERING RECORD

VARIES

NONE

JS

DATE

03/11/19

BY

DRN:

DES:

CHK:

APP:

AFE NO:

FACIL ENGR:

OPER ENGR:

SCALE:

#### **GAS FMP METER**

Targa Gas Sales Line Meter (GS): #161001222 Targa Buy Back Gas Line Meter (BB): #161001223

# **NORTH**

NOTES:

Type of Lease: State

State Lease #: VB-21011, VB-20711, V0-83931, V0-84251

Federal Lease #: N/A CA/Agreement #: N/A Property Code: 322447 OGRID #: 229137

Ledger for Site Diagram Produced Fluid: Produced Oil: **Produced Gas:** Produced Water: Flare/Vent:

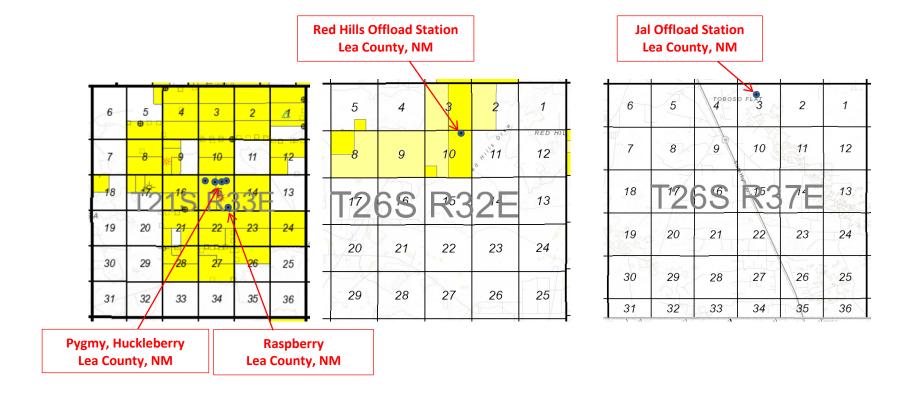
CONFIDENTIALITY NOTICE REFERENCE DRAWINGS REVISIONS THIS DRAWING IS PROPERTY OF COG OPERATING LLC AND IS LENT TO THE BORROWER FOR CONTIDENTIAL USE ONLY AND IS SUBJECT TO RETURN UPON REQUEST AND SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT IS SPECIFICALLY FURNISHED. DESCRIPTION NO. DATE BY CHK. APP. A 03/11/19 ISSUED FOR REVIEW JS CB 03/12/19 ISSUED PER PRELIM JS CB C 03/21/19 RE-ISSUED PER PRELIM JS CB D 04/12/19 REVISED PER NAME CHANGE JS CB E 11/20/19 UPDATED PER METER #'S JS CB COG OPERATING LLC ONE CONCHO CENTER F 12/02/19 RE-ISSUED FOR REVIEW JS CB 600 WEST ILLINOIS AVENUE SITE SECURITY PLANS LOCATED AT: MIDLAND, TEXAS 79701



PRODUCTION FACILITIES SITE FACILITY DIAGRAM HUCKLEBERRY STATE 22 N CTB NEW MEXICO

LEA COUNTY TWNSHP/RANGE D-1700-81-005 MULTIPLE

# Raspberry St Com #1H Pygmy 27 St #1H - #3H Huckleberry St Com #501H - #507H & Red Hills and Jal Offload Station Map



#### 30-025-43179 RASPBERRY STATE COM #001H [316099]

**General Well Information** 

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type: Active New

Direction: Multi-Lateral: Mineral Owner: Surface Owner:

Horizontal State Private

Surface Location: Lat/Long:

P-27-21S-33E 330 FSL 200 FEL 32.44345842,-103.5524045 NAD83

KB Elevation: DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

[97929] WC-025 G-06 S213326D; BONE SPRING

Status: **Bottomhole Location:**  Active

A-22-21S-33E 50 FNL 330 FEL

Last Produced:

10/01/2019

Lat/Long:

Acreage:

320 22-21S-33E Units: A H I P

27-21S-33E Units: A H I P

DHC:

Consolidation Code:

Production Method: Flowing

10/2019

Earliest Production in OCD Record	ds: 10/2016	6 <b>Last</b>		10/2019				Show All Production Export to Excel		
		Produ	uction				Injection			
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure	
□ 2019										
WC-025 G-06 S213326D;BONE SPRI	NG									
Jan	10832	27615	25986	31	0	0	0	0	0	
Feb	9261	22406	20852	28	0	0	0	0	0	
Mar	3425	4655	3103	12	0	0	0	0	0	
Apr	9428	13340	15828	30	0	0	0	0	0	
Мау	9537	13677	14957	27	0	0	0	0	0	
Jun	9783	16244	16905	30	0	0	0	0	0	
Jul	9908	15206	16290	31	0	0	0	0	0	
Aug	9483	12796	15778	31	0	0	0	0	0	
Sep	9111	15619	14367	30	0	0	0	0	0	
Oct	1870	2687	2910	8	0	0	0	0	0	

#### 30-025-40352 PYGMY 27 STATE #001H [310282]

#### General Well Information

Operator: [229137] COG OPERATING LLC

 Status:
 Active
 Direction:
 Horizontal

 Well Type:
 Oil
 Multi-Lateral:
 No

 Work Type:
 New
 Mineral Owner:
 State

 Surface Owner:
 Private

 Surface Location:
 D-27-21S-33E
 330 FNL
 190 FWL

**Lat/Long:** 32.4561577,-103.5683441 NAD83

GL Elevation: 3706

 KB Elevation:
 Sing/Mult Compl:
 Single

 DF Elevation:
 Potash Waiver:
 False

#### [97929] WC-025 G-06 S213326D; BONE SPRING

 Status:
 Active
 Last Produced:
 08/01/2019

 Bottomhole Location:
 M-27-21S-33E
 325 FSL
 400 FWL

 Lat/Long:
 32.4434418573817,-103.567650155885

**Acreage:** 480 27-21S-33E Units: B C D E F G J K L M N O

DHC: No Consolidation Code:

Production Method: Flowing

Earliest Production in OCD Record	rliest Production in OCD Records: 5/2014 Last 8/							Show All Produc	tion Export to Exce
		Prod	uction				Injection		
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
⊟ 2019				,					
WC-025 G-06 S213326D;BONE SPRI	WC-025 G-06 S213326D;BONE SPRING								
Jan	1511	6043	6605	31	0	0	0	0	0
Feb	1112	4134	5028	28	0	0	0	0	0
Mar	1253	4016	5039	31	0	0	0	0	0
Apr	1236	2231	5237	30	0	0	0	0	0
Мау	1163	2057	3712	25	0	0	0	0	0
Jun	1328	2843	5950	26	0	0	0	0	0
Jul	999	4581	3793	20	0	0	0	0	0
Aug	1182	7183	3787	30	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0

Show All Production Export to Excel

#### 30-025-42062 PYGMY 27 STATE #002H [310282]

#### **General Well Information**

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type: Active

Oil New Direction: Multi-Lateral: Mineral Owner: Horizontal No

Surface Owner:

State Private

Surface Location:

C-27-21S-33E 190 FNL 1980 FWL

Lat/Long: GL Elevation:

KB Elevation: DF Elevation: 32.4565315,-103.5625458 NAD83

Sing/Mult Compl: Potash Waiver:

Single False

#### [97929] WC-025 G-06 S213326D; BONE SPRING

Status: Bottomhole Location: Active

N-27-21S-33E 330 FSL 1968 FWL

Production

Water(BBLS)

5276

4348

3971

4237

2786

4339

2989

5453

3565

0

0

Last Produced:

09/01/2019

Lat/Long:

□ 2019

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

32.4434499931408,-103.562542613576

Acreage:

480 27-21S-33E Units: B C D E F G J K L M N O

Gas(MCF)

2784

2655

2749

3430

2318

3894

3061

3561

2977

0

DHC: No Consolidation Code:

Production Method: Flowing

0

0

0

0

0

Earliest Production in OCD Records:

Time Frame

WC-025 G-06 S213326D;BONE SPRING

5/2015 Last

Oil(BBLS)

1503

1263

1243

1346

1038

1141

1023

1187

887

0

9/2019

Injection Days P/I Water(BBLS) Co2(MCF) Gas(MCF) Other Pressure 0 0 31 0 0 0 0 0 0 28 0 0 31 0 0 0 0 0 29 0 0 0 0 0 25 0 0 0 0 0 27 0 0 0 0 0 0 0 0 0 20 0 0 0 0 0 31 0 21 0 0 0 0 0

#### 30-025-42068 PYGMY 27 STATE #003H [310282]

General Well Information

Operator: [229137] COG OPERATING LLC

 Status:
 Active

 Well Type:
 Oil

 Work Type:
 New

Mineral Owner: State
Surface Owner: Private

Horizontal

No

Direction:

Multi-Lateral:

 Surface Location:
 B-27-21S-33E
 190 FNL
 1980 FEL

 Lat/Long:
 32.4565239,-103.5581741 NAD83

GL Elevation: 3755

KB Elevation: Sing/Mult Compl: Single
DF Elevation: Potash Waiver: False

[97929] WC-025 G-06 S213326D; BONE SPRING

 Status:
 Active
 Last Produced:
 09/01/2019

 Bottomhole Location:
 O-27-21S-33E
 459 FSL
 1954 FEL

 Lat/Long:
 32.4437997904086,-103.558137144856

**Acreage:** 480 27-21S-33E Units: B C D E F G J K L M N O

DHC: No Consolidation Code:

Production Method: Flowing

Earliest Production in OCD Records: 5/2015 **Last** 9/2019 Show All Production Export to Excel Production Injection Water(BBLS) Time Frame Oil(BBLS) Gas(MCF) Days P/I Water(BBLS) Co2(MCF) Gas(MCF) Other □ 2019 WC-025 G-06 S213326D;BONE SPRING Jan Feb Apr May Jun Jul Aug Sep Oct 

#### 30-025-45231 HUCKLEBERRY STATE COM #501H [322447]

**General Well Information** 

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type:

Oil New Multi-Lateral: Mineral Owner: Surface Owner: Horizontal No State Private

Surface Location:

A-27-21S-33E 145 FNL 1325 FEL

32.456672,-103.556061 NAD83 3766

GL Elevation:

KB Elevation: DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

[97895] WC-025 G-08 S213304D; BONE SPRING

Status:

DHC:

New, Not Drilled

Bottomhole Location: Lat/Long:

A-15-21S-33E 200 FNL 990 FEL

Acreage:

320 15-21S-33E Units: A H I P 22-21S-33E Units: A H I P

Last Produced:

Consolidation Code: Production Method:

Earliest Production in OCD Records:

Last

Show All Production Export to Excel Production Injection Time Frame Water(BBLS) Days P/I Water(BBLS) Co2(MCF) Gas(MCF) Grand Total: 0 0 0 0 0 0 0 0 N/A

#### 30-025-45232 HUCKLEBERRY STATE COM #502H [322447]

#### **General Well Information**

[229137] COG OPERATING LLC

Status:

Oil

Well Type: Work Type: Direction: Multi-Lateral: Horizontal No

Surface Owner:

Private

Surface Location:

B-27-21S-33E 145 FNL 1355 FEL 32.456672,-103.556159 NAD83

GL Elevation:

3765

KB Elevation: DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

#### [97895] WC-025 G-08 S213304D; BONE SPRING

Status:

New, Not Drilled

Last Produced:

Bottomhole Location:

Lat/Long:

B-15-21S-33E 200 FNL 1650 FEL

320 15-21S-33E Units: B G J O

Acreage:

22-21S-33E Units: B G J O

DHC:

Consolidation Code: Production Method:

Earliest Production in OCD Record	Show All Productio	n 💌 Export to Excel							
		Injection							
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
Grand Total:	0	0	0	0	0	0	0	0	N/A

#### 30-025-45233 HUCKLEBERRY STATE COM #503H [322447]

**General Well Information** 

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type:

Oil

3744

Direction: Multi-Lateral: Mineral Owner: Surface Owner: Horizontal No State

Private

Surface Location:

B-27-21S-33E 145 FNL 2620 FEL

Lat/Long:

32.45668,-103.56026 NAD83

GL Elevation:

DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

[97895] WC-025 G-08 S213304D; BONE SPRING

New, Not Drilled

Last Produced:

Bottomhole Location:

Lat/Long:

B-15-21S-33E 200 FNL 2310 FEL

320 15-21S-33E Units: B G J O 22-21S-33E Units: B G J O

Acreage: DHC:

Consolidation Code:

Production Method:

Earliest Production in OCD Records: Last Show All Production												
	Production						Injection					
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure			
Grand Total:	0	0	0	0	0	0	0	0	N/A			

Show All Production Export to Excel

#### 30-025-45234 HUCKLEBERRY STATE COM #504H [322447]

[229137] COG OPERATING LLC

General Well Information

Operator:

 Status:
 New

 Well Type:
 Oil

 Work Type:
 New

Multi-Lateral: Mineral Owner:

Direction:

Mineral Owner: State
Surface Owner: Private

Horizontal

No

**Surface Location:** C-27-21S-33E 145 FNL 2630 FWL

**Lat/Long:** 32.45668,-103.560434 NAD83

GL Elevation: 3742

KB Elevation:Sing/Mult Compl:SingleDF Elevation:Potash Waiver:False

[97895] WC-025 G-08 S213304D; BONE SPRING

 Status:
 New, Not Drilled
 Last Produced:

 Bottomhole Location:
 C-15-21S-33E
 200 FNL
 2310 FWL

Lat/Long:

**Acreage:** 320 15-21S-33E Units: C F K N

22-21S-33E Units: C F K N

DHC: No Consolidation Code:

Earliest Production in OCD Records: Last Production in OCD Records:

 Production
 Injection

 Time Frame
 Oil(BBLS)
 Gas(MCF)
 Water(BBLS)
 Days P/I
 Water(BBLS)
 Co2(MCF)
 Gas(MCF)
 Other
 Pressure

 Grand Total:
 0
 0
 0
 0
 0
 0
 0
 N/A

Show All Production Export to Excel

#### 30-025-45207 HUCKLEBERRY STATE COM #505H [322447]

#### **General Well Information**

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type:

Oil

Direction: Multi-Lateral: Mineral Owner: Horizontal No State

Surface Owner:

Private

 Surface Location:
 D-27-21S-33E
 145 FNL
 1200 FWL

 Lat/Long:
 32.456684,-103.56507 NAD83

3716

GL Elevation:

KB Elevation: DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

#### [97895] WC-025 G-08 S213304D; BONE SPRING

Status:

New, Not Drilled

Last Produced:

Bottomhole Location: C-15-21S-33E 200 FNL 1650 FWL

Lat/Long: Acreage:

320 15-21S-33E Units: C F K N

22-21S-33E Units: C F K N

DHC:

Consolidation Code: Production Method:

Earliest Production in OCD Records: Last

		Produ	ıction		Injection				
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
Grand Total:	0	0	0	0	0	0	0	0	N/A

#### 30-025-45208 HUCKLEBERRY STATE COM #506H [322447]

**General Well Information** 

Operator:

[229137] COG OPERATING LLC

Status: Well Type:

Oil

Direction: Multi-Lateral: Horizontal No

Work Type:

Mineral Owner: Surface Owner: State Private

Surface Location:

D-27-21S-33E 145 FNL 1170 FWL 32.456684,-103.565167

GL Elevation:

3716

KB Elevation: DF Elevation:

Sing/Mult Compl: Potash Waiver:

Single False

[97895] WC-025 G-08 S213304D; BONE SPRING

New, Not Drilled

Last Produced:

Bottomhole Location:

D-15-21S-33E 200 FNL 990 FWL

Lat/Long:

Acreage:

320 15-21S-33E Units: D E L M

22-21S-33E Units: D E L M

DHC:

Consolidation Code: Production Method:

Earliest Production in OCD Records:

Last

Show All Production Export to Excel

	Production				Injection					
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure	
Grand Total:	0	0	0	0	0	0	0	0	N/A	

#### 30-025-45209 HUCKLEBERRY STATE COM #507H [322447]

#### **General Well Information**

Operator:

[229137] COG OPERATING LLC

Status: Well Type: Work Type:

Oil

Multi-Lateral: Mineral Owner: No State

Private

D-27-21S-33E 145 FNL 1140 FWL

Production

0

Water(BBLS)

0

Days P/I

0

Lat/Long:

32.456685,-103.565265 NAD83

GL Elevation:

Surface Location:

KB Elevation: DF Elevation:

Sing/Mult Compl:

Single False

#### [97895] WC-025 G-08 S213304D; BONE SPRING

Status:

New, Not Drilled

Last Produced:

Potash Waiver:

Bottomhole Location:

D-15-21S-33E 200 FNL 330 FWL

Lat/Long:

Acreage:

320 15-21S-33E Units: D E L M

22-21S-33E Units: D E L M

DHC:

Grand Total:

Oil(BBLS)

Consolidation Code: Production Method:

0

Earliest Production in OCD Records:

Time Frame

Last

0

Show All Production Export to Excel Injection Water(BBLS) Co2(MCF) Gas(MCF)

0

0

N/A

0

#### **Application for Lease Commingle and Off Lease Measurement**

Raspberry State Com #1H	30-025-43179	Huckleberry State Com #501H	30-025-45231
Pygmy 27 State Com #1H	30-025-40352	Huckleberry State Com #502H	30-025-45232
Pygmy 27 State Com #2H	30-025-42062	Huckleberry State Com #503H	30-025-45233
Pygmy 27 State Com #3H	30-025-42068	Huckleberry State Com #504H	30-025-45234
		Huckleberry State Com #505H	30-025-45207
		Huckleberry State Com #506H	30-025-45208
		Huckleberry State Com #505H	30-025-45209

#### **Notification List**

Date Sent	Initials	Name	Address	City	State	Zip Code	Cerified Return Receipt No.	Delivered
1/8/2020	bjg	CENTENNIAL RESOURCE PRODUCTION LLC	1001 17TH STREET STE 1800	DENVER	со	80202	7017-3040-0000-1205-3917	
1/8/2020	bjg	CHARIS ROYALTY F LP	PO BOX 470158	FT WORTH	TX	76147	7017-3040-0000-1205-3924	
1/8/2020	bjg	COMMISSIONER OF PUBLIC LANDS	PO BOX 2308	SANTA FE	NM	87501	7017-3040-0000-1205-3931	
1/8/2020	bjg	CONOCO PHILLIPS COMPANY	22295 NETWORK PLACE	CHICAGO	IL	60673-1222	7017-3040-0000-1205-3948	
1/8/2020	bjg	DG ROYALTY LLC	110 N MARIENFELD ST, STE 200	MIDLAND	TX	79701	7017-3040-0000-1205-3955	
1/8/2020	bjg	EOG RESOURCES INC	P O BOX 840321	DALLAS	TX	75284-0321	7017-3040-0000-1205-3962	
1/8/2020	bjg	GMT NEW MEXICO ROYALTY COMPANY LLC	1560 BROADWAY SUITE 2000	DENVER	со	80202	7017-3040-0000-1205-3979	
1/8/2020	bjg	THE ALLAR COMPANY	P O BOX 1567	GRAHAM	TX	76450-7567	7017-3040-0000-1205-3986	
		UNKNOWN OWNER						

January 8, 2020

#### **SAMPLE LETTER**

Certified Mail – Return Receipt Requested #7017-3040-0000-1205-3917

Centennial Resourse Production, LLC 1001 17th Street, Ste 1800 Denver, CO 80202

#### Dear Interest Owner:

This letter will serve as notice that COG Operating LLC has requested administrative approval from the Oil and Gas Division in Santa Fe, NM, to amend the current order, CTB-832, for Off-lease Measurement and Lease Commingling of gas only to include following wells:

Huckleberry State Com 501H, API# 30-025-45231, Ut. A, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 502H, API# 30-025-45232, Ut. B, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 503H, API# 30-025-45233, Ut. B, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 504H, API# 30-025-45234, Ut. C, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 505H, API# 30-025-45207, Ut. D, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 506H, API# 30-025-45208, Ut. D, Sec. 27-T21S-R33E, Lea County, NM Huckleberry State Com 507H, API# 30-025-45209, Ut. D, Sec. 27-T21S-R33E, Lea County, NM

Currently Administrative Order CTB-832 includes the Pygmy 27 State Com #1H-3H wells which are communitized into one 480 acre spacing unit. The Raspberry State Com #1H well has a separate communitization agreement. All gas produced from the four wells are surface commingled and sold at the ETC gas sales meter #68870 located at the Pygmy 27 State Com #1H battery in Ut. D, Sec. 27-T21S-R33E.

On occasion, the ETC gas sales line used by the Pygmy/Raspberry wells will be shut in for extended periods of time. In order to prevent the unnecessary flaring of gas, we are requesting OCD approval to utilize the Targa gas meter #161001222 by commingling the Raspberry/Pygmy gas with Huckleberry gas when the ETC gas line is shut in.

Should you or your company have an objection to this method of gas measurement, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the Off-lease Measurement Facility if no objection has been made twenty (20) days after the application is received.

Sincerely,

Bobbie Goodloe Regulatory Analyst

**Enclosures** 

#### HOBBS NEWS SUN LEGAL NOTICES

COG Operating LLC (COG), 2208 West Main, Artesia, New Mexico, 88210, has filed an application seeking administrative approval to amend previous Administrative Order CTB-832 Lease Commingle and Off-Lease Measurement for the Raspberry State Com 1H, Pygmy 27 State Com 1H, 2H & 3H to include the Huckleberry State Com 501H, 502H, 503H, 504H, 505H, 506H and 507H with the New Mexico Oil Conservation Division. All wells are located in Section 27, Township 21 South, Range 33 East, Lea County, New Mexico. COG is seeking approval, in the event the that Pygmy/Raspberry ETC gas sales meter is shut in, to sell gas at the Huckleberry Targa gas sales meter to prevent unnecessary flaring of gas. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within ten (10) days of this notice. Any interested party with questions or comments may contact Luke Bedrick (432) 686-3000 or LBedrick@concho.com at COG Operating LLC, 600 West Illinois, Midland, Texas 79701.

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