

DATE IN 5.24.11	SUSPENSE	ENGINEER RE	LOGGED IN 5.24.11	TYPE OLM	APP NO 1114457977
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



C06 229137

Hercules Fed Com 1H

ADMINISTRATIVE APPLICATION CHECKLIST 30-005-27999

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Hercules Federal Com 1H API#30-005-27999

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☒ OLS ☒ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Netha Aaron
 Print or Type Name

Netha Aaron
 Signature

Regulatory Analyst
 Title

5/12/11
 Date

aaaron@conchoresources.com
 e-mail Address



May 19, 2011

COG Operating, LLC
Netha Aaron
550 W. Texas Ave., Suite 100
Midland, TX 79701

New Mexico Oil Conservation Division
Richard Ezeanyim
1220 S St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Ezeanyim,

COG Operating LLC respectfully requests approval for Off-Lease Measurement on the following well:

**Hercules Federal Com 1H
Chaves County, NM
API # 30-005-27999
Surface: 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E**

This well is producing from the Wildcat; Abo-Wolfcamp (Oil - 97715) Pool. The Off-Lease Measurement facility is located on COG Operating LLC property, at our Hercules Federal Com 2H well site, Sec 15, T15S, R 31E, Unit D. This facility has a dcp Midstream gas sales meter, meter #726141-00.

The Hercules Federal Com 1H has a Communitization Agreement NMNM 125771. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

I have attached proof of notice to all of our working interest owners, a diagram of our battery facility, and a map with lease boundaries showing all well and facility locations.

Please contact me at 432-818-2319 should you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Netha Aaron".

COG Operating, LLC
Netha Aaron
Regulatory Analyst

RECEIVED OCS
2011 MAY 21 AM 11:51

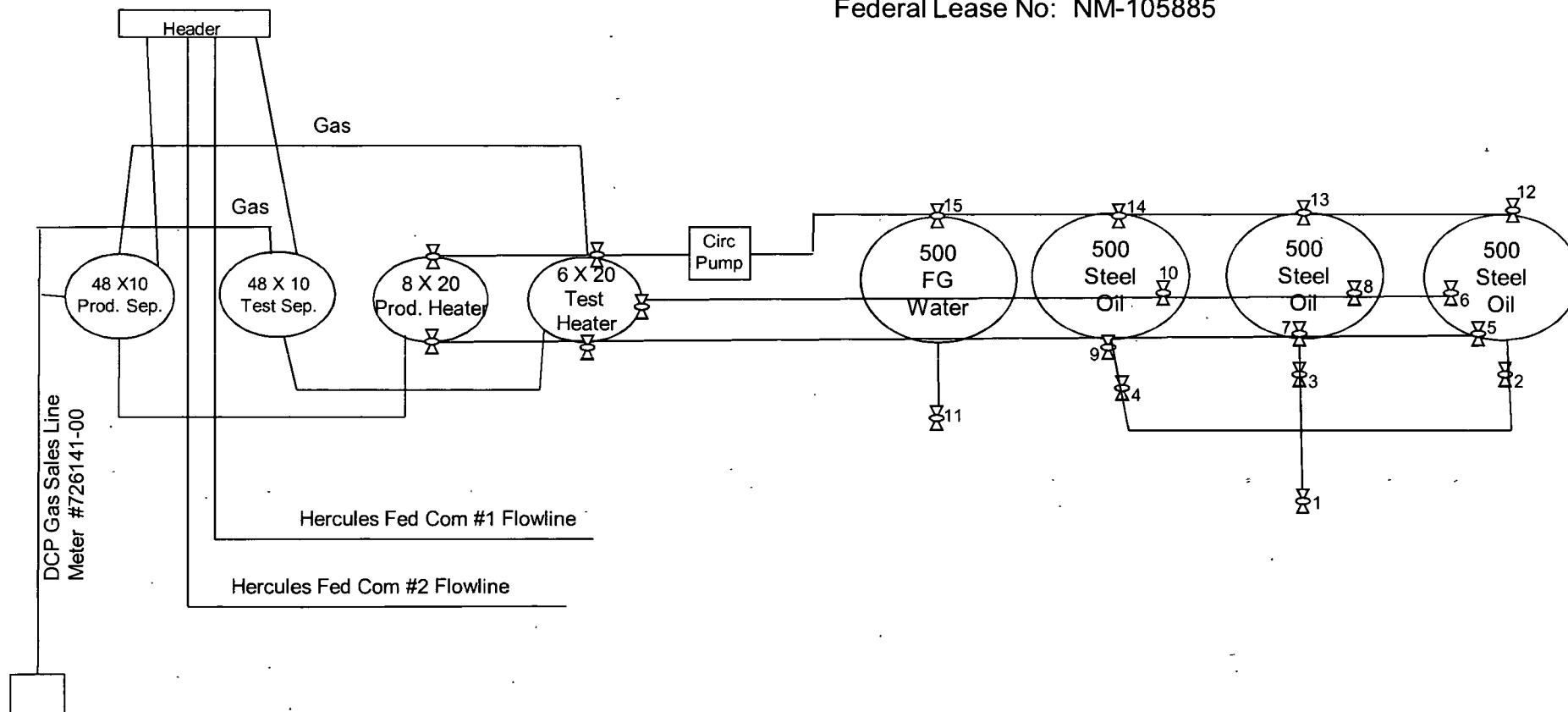
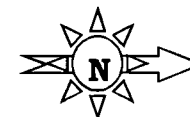
COG OPERATING LLC

Site Security Plan is located at:
550 W. Texas Ave Ste. 100, Midland, Texas 79701
(432)-683-7443

May 3, 2011

Hercules Fed Com Battery

Hercules Fed Com #2H Well
Hercules Fed Com # 1H Well
660' FNL & 430' FWL * Sec15-T15S-R31E * Unit D
Chaves County, NM
API #30-005-29049
Federal Lease No: NM-105885



Production Phase:

Valves #1,2,3,4,12,13,14,15 - Closed
Valves #5,6,7,8,9 and 10 - Open

Sales Phase:

Valves #1,2,3 and 4 - Open
Valves #12,13,14,15 - Closed
Valves #5,6,7,8,9 and 10 - Open

Conditions of Approval (if any):

Affidavit of Fact

STATE OF TEXAS §

COUNTY OF MIDLAND §

Affiant on oath swears that the following statements are true:

My name is Jan Preston Spradlin. I am a Senior Landman for COG Operating LLC. I am familiar with the ownership of the Hercules Federal Com 1H (API 30-005-27999), Hercules Federal Com 2H (API 30-005-29049), both of which are situated in Section 15, Township 15 South, Range 31 East, Chavez County, New Mexico. I hereby confirm that the working interests and royalty interest in these wells are common.


Affiant



Jan Preston Spradlin

SUBSCRIBED AND SWORN TO before me on the 19th day of May, 2011.






Notary Public, State of Texas

STATE OF TEXAS §

COUNTY OF MIDLAND §

This instrument was acknowledged before me on this 19th day of May, 2011, by Jan Preston Spradlin, Notary Public for the State of Texas.





Notary Public, State of Texas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No
NMNM105885

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM125711

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8 Well Name and No.
HERCULES FEDERAL COM 1H2. Name of Operator
COG OPERATING LLCContact: NETHA AARON
E-Mail: oaaron@conchoresources.com9 API Well No
30-005-27999-00-S13a. Address
550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701-42873b. Phone No. (include area code)
Ph: 432-818-2319
Fx: 432-685-439610. Field and Pool, or Exploratory
UNDESIGNATED-ABO-WOLFCAMP ✓

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T15S R31E SWNW 1980FNL 330FWL

11. County or Parish, and State
CHAVES COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Off-Lease Measuremen t
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests approval for Off-Lease Measurement on the following well:

Hercules Federal Com 1H
Chaves County, NM
API # 30-005-27999
Surface: 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E

This well is producing from the Wildcat; Abo-Wolfcamp (Oil - 97715) Pool. The Off-Lease Measurement facility is located on COG Operating LLC property, at our Hercules Federal Com 2H well site, Sec 15, T15S, R 31E, Unit D. This facility has a dcp Midstream gas sales meter, meter #726141-00.

14. I hereby certify that the foregoing is true and correct

Electronic Submission #107956 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 05/11/2011 (11DG0203SE)

Name (Printed/Typed) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/10/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DAVID R GLASS

Title PETROLEUM ENGINEER

Date 05/11/2011

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Roswell

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #107956 that would not fit on the form

32. Additional remarks, continued

The Hercules Federal Com 1H has a Communitization Agreement NMNM 125771. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

I have attached proof of notice to all of our working interest owners, a diagram of our battery facility, and a map with lease boundaries showing all well and facility locations.

Revisions to Operator-Submitted EC Data for Sundry Notice #107956

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OLM NOI	OLM SR
Lease:	NMNM105885	NMNM105885
Agreement:		NMNM125711
Operator:	COG OPERATING LLC 550 WEST TEXAS SUITE 100 MIDLAND, TX 79701 Ph: 432-818-2319	COG OPERATING LLC 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287 Ph: 432-685-9158
Admin Contact:	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail: aaaron@conchoresources.com Ph: 432-818-2319 Fx: 432-685-4396	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail: aaaron@conchoresources.com Ph: 432-818-2319 Fx: 432-685-4396
Tech Contact:	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail: aaaron@conchoresources.com Ph: 432-818-2319 Fx: 432-685-4396	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail: aaaron@conchoresources.com Ph: 432-818-2319 Fx: 432-685-4396
Location:		
State:	NM	NM
County:	CHAVEZ COUNTY	CHAVES
Field/Pool:	WILDCAT; ABO, WOLFCAMP	UNDESIGNATED-ABO-WOLFCAMP
Well/Facility:	HERCULES FEDERAL COM 1H Sec 15 T15S R31E 1980FNL 330FWL	HERCULES FEDERAL COM 1H Sec 15 T15S R31E SWNW 1980FNL 330FWL



April 19, 2011

Chesapeake Operating, Inc.
Attn: Robert Martin
6100 N. Western
Oklahoma City, OK 73118

Certified Mail Article Number

Re: Request for Off Lease

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chesapeake Operating Inc.
Attn: Robert Martin
6100 N Western
Oklahoma City OK 73118

2. Article Number

(Transfer from service label)

91 7199 9991 7030 0517 3884

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

RECEIVED

C. Date of Delivery

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

APR 21 2011

MAILROOM 6

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Mr. Martin:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for Off Lease Measurement and Surface Commingle for the following wells:

Hercules Federal Com 2H

Chavez County, NM

API #: 30-005-29049

Communitization Agreement # NMNM-124864

Surface: 660 FNL & 430 FWL Sec 15, T15S, R31E, Unit D

Hercules Federal Com 1H

Chavez County, NM

API# 30-005-27999

Communitization Agreement # NMNM-125711

Surface: 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E

The battery is located on COG Operating, LLC property, Hercules Federal Com #2H, Sec 15, T15S, R31E, Unit E.

Should your company have any objection, 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 and Surface Commingle if no objection has been made within the 20 days after the application has been received.

Sincerely,

Netha Aaron

COG Operating LLC
Netha Aaron
Regulatory Analyst

Confirmation
Services

Package ID: 9171999991703005173884

Destination ZIP Code: 73118

Customer Reference:

Recipient:

Address:

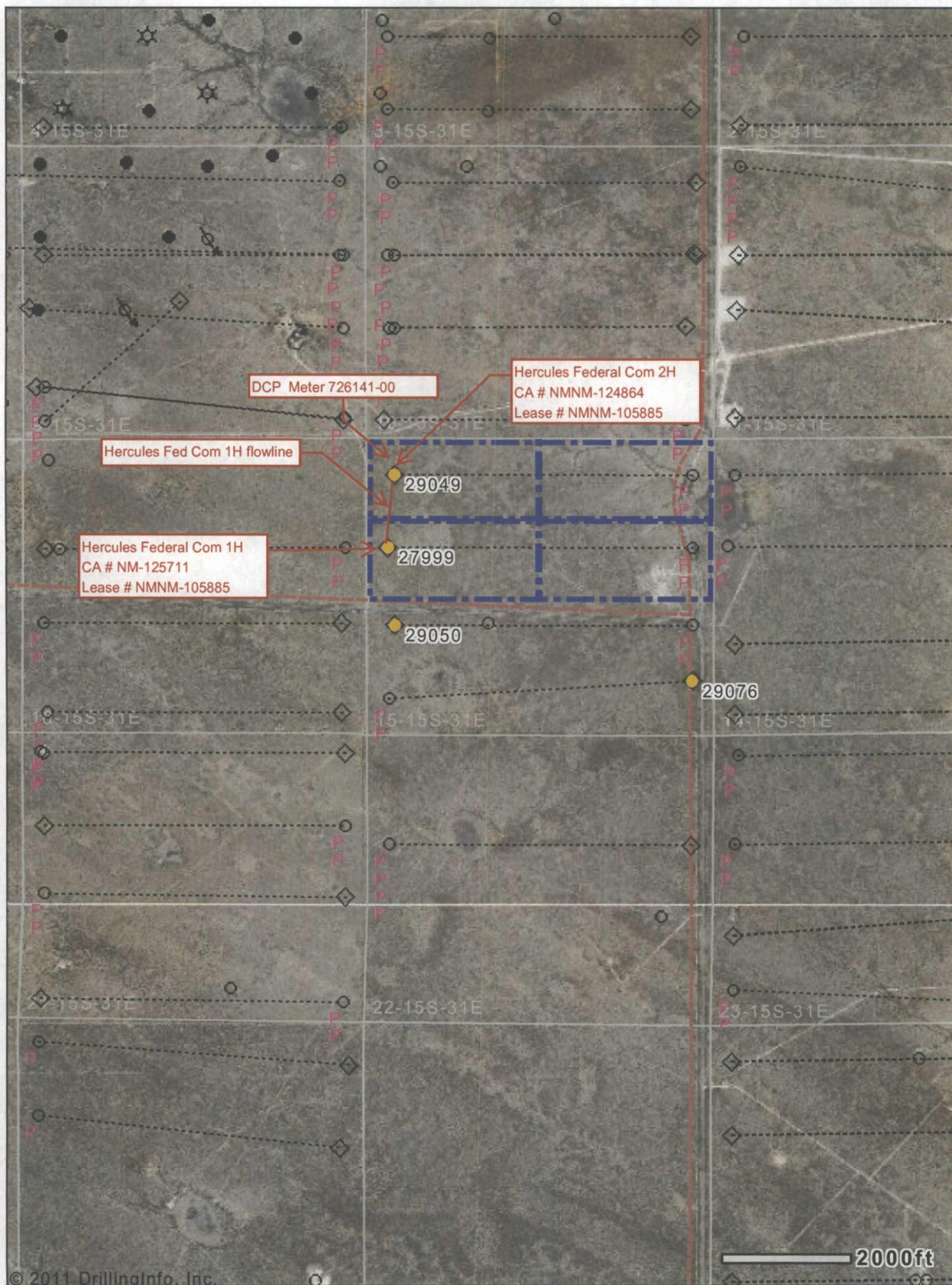
Electronic Certified

First Class Letter

PBP Account #: 41592288

Serial #: 1364097

APR 19 2011 3:10pm



COG Operating LLC is requesting approval for surface commingling and off-lease storage and measurement of hydrocarbon production from the following formation(s) and well(s):

Federal Lease No.: SHL – NM-105885, BHL – VO-8010, Com No.:NMNM 125711

<u>Well Name</u>	<u>API No.</u>	<u>Loc: ¼ ¼ Sec. Twp. Rng.</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
Hercules Federal Com 1H	30-005-27999	SWNW, Sec.15, T15S, R31E	Wildcat; Abo, Wolfcamp	145	39.1/@60°	250	593

With hydrocarbon production from:

Federal Lease No.: SHL – NM-105885, BHL – VO-8010, Com No.NMNM 124864

<u>Well Name</u>	<u>API No.</u>	<u>Loc: ¼ ¼ Sec. Twp. Rng.</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
Hercules Federal Com 2H	30-005-29049	NWNW, Sec.15, T15S, R31E	Wildcat; Abo, Wolfcamp	113	39.3/@60°	167	593

The storage and measuring facility is located at NWNW, Sec.15, T15S, R31E on Lease No.: NM 105885, Chavez County, New Mexico. BLM will be notified if there is any future change in the facility location.

Details of the proposed method for allocating production to contributing sources are as follows:

Oil and Gas are to be measured at individual test facilities, and production allocated based on well tests.

DISTRICT I
1025 N. Fresno Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Grande Rd., Aztec, NM 87410

DISTRICT IV
1200 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-27999	Pool Code 97715	Pool Name Wildcat; Abo-Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 1H
OCRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4405'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	15 S	31 E		1980	NORTH	330	WEST	CHAVES

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
H	15	15 S	31 E		1923	NORTH	650	W EAST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.				4945		

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

SURFACE LOCATION LAT.: N 33°01'03.72" LONG.: W103°49'01.62" SPC- N.: 734381.3 E.: 699568.5 (NAD-83)	BOTTOM HOLE LOCATION LAT.: N 33°01'03.87" LONG.: W103°48'07.25" SPC- N.: 734387.685 E.: 704200.263 (NAD-83)	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> K.C. 12/20/10 Signature _____ Date _____ Kanicia Carrillo Printed Name _____
		SURVEYOR CERTIFICATION <i>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.</i> JULY 27, 2007 Date Surveyed _____ Signature _____ Professional Surveyor W. L. Jones 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS

RECEIVED

SEP 15 2010

DISTRICT I

1625 N French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S St. Francis Dr., Santa Fe, NM 87505

HOBBSOC

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-29049	Pool Code 6061597715	Pool Name Wildcat; Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4407'

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	15	15 S	31 E		660	NORTH	430	WEST	CHAVES

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
A	15	15 S	31 E		338	NORTH	338	WEST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.	4490					

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

<p>4409.5' 4406.5'</p> <p>430'</p> <p>4406.7' 4403.7'</p> <p>4528.0'</p> <p>338'</p> <p>SL</p> <p>BH</p> <p>SURFACE LOCATION LAT.: N 33°01'16.78" LONG.: W103°49'00.45" SPC- N.: 735381.591 E.: 699661.278 (NAD-83)</p>		<p>BOTTOM HOLE LOCATION LAT.: N 33°01'16.95" LONG.: W103°48'07.27" SPC- N.: 735724.860 E.: 704187.620 (NAD-83)</p>		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>K.C.</i> 08/23/10 Signature Date Kania Carrillo Printed Name</p>
				<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DECEMBER 11, 2007</p> <p>Date Surveyed Signature & Seal of Professional Surveyor Professional Surveyor 7977 W. Gary L. Jones Certificate No. Gary L. Jones 7977</p>
				<p>BASIN SURVEYS</p>

NM State Land Office
Oil, Gas, & Minerals Division

STATE/FEDERAL OR
STATE/FEDERAL/FEE
Revised March 2003

COMMUNITIZATION AGREEMENT

Contract No. MM-125711

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2N/2
Chaves County, New Mexico
Containing 160 acres, more or less

and this agreement shall include only the Abo and Wolfcamp Formations underlying said lands (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.


8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is August 15, 2010, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his duly authorized representative, and by the Commissioner or his duly authorized representative, and shall remain in force and effect for a period of two (2) years and so long thereafter as communitized substances are produced or can be produced from the communitized area in paying quantities; provided, that the two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of the capability of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett 
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

Chesapeake Exploration, L.L.C.

By: _____
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett
Gregory K. Daggett
Attorney-in-Fact *GKD mo*

Lessee of Record:

Chesapeake Exploration, L.L.C.

By: Henry J. Hood
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel *Sz CB 9/11*

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
 COUNTY OF MIDLAND)

This instrument was acknowledged before me on Sept 22, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
 Notary Public

STATE OF)
)
 COUNTY OF)

This instrument was acknowledged before me on _____, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., a _____ corporation, on behalf of said corporation.

 Notary Public

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
 COUNTY OF MIDLAND)

This instrument was acknowledged before me on Sept 22, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
 Notary Public

STATE OF)
)
 COUNTY OF)

This instrument was acknowledged before me on September 27, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., an Oklahoma limited liability ~~company~~ ^{company}, on behalf of said ~~corporation~~ ^{company}.



Teresa K. Long
 Notary Public

EXHIBIT A

To Communitization Agreement dated August 15, 2010, embracing
the S/2N/2 of Section 15, Township 15 South, Range 31 East, N.M P.M.,
Chaves County, New Mexico

<p>Tract 1 NMNM-105885</p> <p>●</p> <p>Hercules Fed Com #1H SHL: 1980' FNL & 330' FWL</p>		<p>Tract 2 VO-8010</p> <p>●</p> <p>BHL: 1980' FNL & 330' FEL</p>	

EXHIBIT B

To Communitization Agreement dated August 15, 2010, embracing
the S/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M., Chaves County, New Mexico

Operator of Communitized Area: COG Operating LLC

DESCRIPTION OF LEASES COMMITTED**TRACT NO. 1**

Lease Serial No.: NMNM-105885

Lease Date: March 1, 2001

Lease Term: 10 years

Lessor: USA Bureau of Land Management

Original Lessee: Chalfant Properties, Inc.

Present Lessee: COG Oil & Gas LP
Chesapeake Exploration LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2NW/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/8th

Name and Percent ORRI Owners: Harvey E. Yates Company 2.50%

Name and Percent WI Owners: COG Oil & Gas LP 50.00%

Chesapeake Exploration LP 50.00%
100.00%

TRACT NO. 2

Lease Serial No.: V0-8010

Lease Date: May 1, 2007

Lease Term: 5 years

Lessor: State of New Mexico

Original Lessee: COG Oil & Gas LP

Present Lessee: COG Oil & Gas LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2NE/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/6th

Name and Percent ORRI Owners: None

Name and Percent WI Owners: COG Oil & Gas LP 100%

RECAPITULATION

Tract numbers	Number of Acres Committed	Percentage of Interest in Communitized Area
Tract No.1	80.00	50.00%
Tract No.2	<u>80.00</u>	<u>50.00%</u>
Total	160.00	100.00%

NEW MEXICO STATE LAND OFFICE

CERTIFICATE OF APPROVAL

COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO

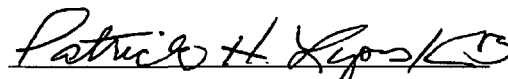
COG Operating LLC
Hercules Federal Com Well No. 1
Chaves County, New Mexico
S2N2, Section 15, Township 15 South, Range 31 East
Abo & Wolfcamp

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Communitization Agreement for the development and operation of acreage which is described within the referenced agreement, dated **August 15, 2010** which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said agreement, the Commissioner finds.

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 22nd day of October, 2010



COMMISSIONER OF PUBLIC LANDS

of the State of New Mexico



United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Pecos District
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-2019
www.nm.blm.gov

BK 673 PG 382



IN REPLY REFER TO:
NM-NM-125771
3105.2 (PNM0130)

NOV 22 2010

RETURN RECEIPT REQUESTED
CERTIFIED MAIL— 7006 3450 0001 4285 4689

Concho
Attn: Laura Reyna
550 West Texas Ave, Suite 100
Midland, TX 79701

Dear Ms. Reyna:

Enclosed is one approved copy of Communitization Agreement NMNM125771 involving 80.00 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land in Chaves County, New Mexico. The Communitization Agreement comprises a 160.00-acre well spacing unit.

This agreement communitizes all rights as to oil, natural gas and associated hydrocarbons producible from the Abo and Wolfcamp Formations from the S½N½ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico. This Communitization Agreement is effective August 15, 2010. Approval of this agreement does not warrant or certify that the operator, thereof, and other working interest owners hold legal or equitable title to the leases which are committed hereto.

Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504. If you have any questions regarding this approval, please call Al Collar, geologist, at (575) 627-0272.

Please furnish all interested principals with appropriate evidence of this approval.

Sincerely,

Angel Mayes
Assistant Field Manager,
Lands and Minerals

1 Enclosure:
1 Communitization Agreement

cc:

MMS, Denver MS 357B-1, Antoinette Contreras, Stacey Kaiser (copy of Exhibits A & B)

NM Taxation & Revenue Dept. (Copy of CA)

Revenue Processing Division - Attention: Manuelita Martinez

P. O. Box 2308

Santa Fe, NM 87504

New Mexico State Lands Office

Oil, Gas, and Minerals Division

P.O. Box 1148

Santa Fe, NM 87504-1148

LLNMP01300, Com Agreement file NM-125771

LLNMP01300, Lease File NM-105885

LLNMP09210

NMP0130:Acollar:ac:7/27/2009:575-627-0272:CA NM125711 approval letter

Determination Approval Certification

Pursuant to the authority vested in the Secretary of the Interior under Section 17(j) of the Mineral Leasing Act of 1920, as amended (74 Stat. 784; 30 U.S.C. 226(j)), and delegated to the authorized officer of the Bureau of Land Management, I do hereby:

- A. Determine that the Federal lease or leases as to the lands committed to the attached agreement cannot be independently developed and operated in conformity with the wellspacing program established for the field or area in which said lands are located, and that consummation and approval of the agreement will be in the public interest. Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.
- B. Approve the attached communitization agreement covering the S½N½ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico, as to oil, natural gas, and associated hydrocarbons producible from the Abo and Wolfcamp Formations. This approval will become invalid if the public interest requirements under section 3105.23(e) are not met.
- C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of the Federal lease or leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of the agreement.

Approved: November 17, 2010


Authorized Officer

Effective: August 15, 2010

Contract No.: Com. Agr. NMNM125771



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD JAN 12, 2011 AT 11:26 O CLOCK AM
Receipt Number: 334700 Fee: \$35.50
Book 00673 Page 00371 Pages 14
To Whom Returned: COG OPERATING LLC
LAURA REYNA
550 WEST TEXAS AVE STE 100
MIDLAND, TX 79701

Rhoda C. Coakley, County Clerk

By  Deputy

RATIFICATION AND JOINDER OF COMMUNITIZATION AGREEMENT

The undersigned party has received a true copy of Communitization Agreement dated August 15, 2010, which communitizes the production of gas and associated liquid hydrocarbons produced from the Abo and Wolfcamp formation underlying the S/2N/2 of Section 15, T-15-S, R-31-E, N M P.M., Chaves County, New Mexico

The undersigned party is an Overriding Royalty Interest Owner in one or more of the tracts comprising the communitized area.

The undersigned party desires to adopt, ratify and become a party to the Communitization Agreement and commit to the Communitization Agreement all interest owned or controlled by such party in the communitized area.

NOW, THEREFORE, by the execution hereof, the undersigned party hereby becomes a party to the Communitization Agreement and agrees to be bound by the terms thereof as if such party had signed the original thereof

This ratification and joinder shall be binding upon the undersigned, their heirs, devisees, assigns or successors in interest

This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

EXECUTED THIS 30th day of September, 2010

HARVEY E. YATES COMPANY

By: *Arlene T. Rowland*

Name Arlene T. Rowland

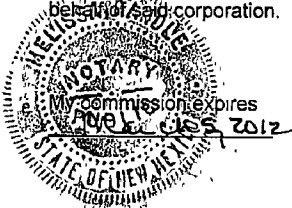
Title Vice President

STATE OF NEW MEXICO

COUNTY OF CHAVES

§
§
§

The foregoing instrument was acknowledged before me this 30th day of September, 2010, by Arlene T. Rowland as Vice President of Harvey E. Yates Company, a New Mexico corporation, on behalf of said corporation.



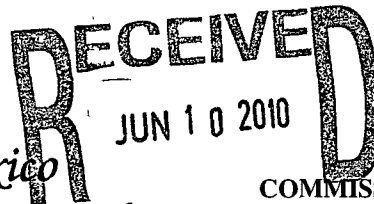
Michael Randle
Notary Public



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD JAN 12, 2011 AT 11:26 O'CLOCK AM
Receipt Number 334700 Fee \$9.00
Book 00673 Page 00385 Pages 1
To Whom Returned, COG OPERATING LLC
LAURA REYNA
550 WEST TEXAS AVE STE 100
MIDLAND, TX 79701

Rhoda C Coakley, County Clerk

By *Gracie Porter* Deputy



PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P O BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

June 7, 2010

COG Operating LLC
Fasken Center, Tower II
550 West Texas Avenue, Suite 100
Midland, Texas 79701

Attn: Laura Reyna

Re: Communitization Agreement Approval (Abo & Wolfcamp)
Hercules Federal Com Well No. 2
N2N2, Section 15, Township 15 South, Range 31 East
Chaves County, New Mexico

Dear Ms. Reyna:

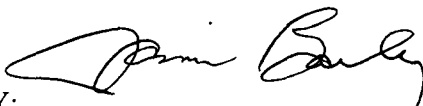
The Commissioner of Public Lands has this date approved the Hercules Federal Com Well No. 2 Communitization Agreement for the Abo and Wolfcamp formations effective April 1, 2010. Enclosed are three Certificates of Approval.

The term of the agreement is for two years, and so long thereafter as communitized substances are produced, or can be produced from the communitized area in paying quantities.

If we may be of further service, please contact Jeff Albers at (505) 827-5759.

Sincerely,

PATRICK H. LYONS
COMMISSIONER OF PUBLIC LANDS


BY:
JAMI BAILEY, Director
Oil, Gas & Minerals Division
(505) 827-5744
PHL/JB/ja
Enclosures

-State Land Office Beneficiaries -

Carne Tingley Hospital • Charitable Penal & Reform • Common Schools • Eastern NM University • Rio Grande Improvement • Miners' Hospital of NM • NM Boys School • NM Highlands University • NM Institute of Mining & Technology • New Mexico Military Institute • NM School for the Deaf • NM School for the Visually Handicapped • NM State Hospital • New Mexico State University • Northern NM Community College • Penitentiary of New Mexico • Public Buildings at Capital • State Park Commission • University of New Mexico • UNM Saline Lands • Water Reservoirs • Western New Mexico University

NEW MEXICO STATE LAND OFFICE**CERTIFICATE OF APPROVAL****COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO**

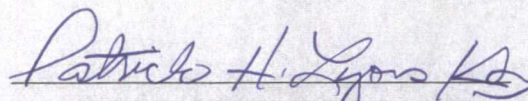
**COG Operating LLC
Hercules Federal Com Well No. 2
Chaves County, New Mexico
N2N2, Section 15, Township 15 South, Range 31 East
Abo & Wolfcamp**

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Communitization Agreement for the development and operation of acreage which is described within the referenced agreement, dated **April 1, 2010** which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said agreement. This approval is subject to all of the provisions of the aforesaid statutes.

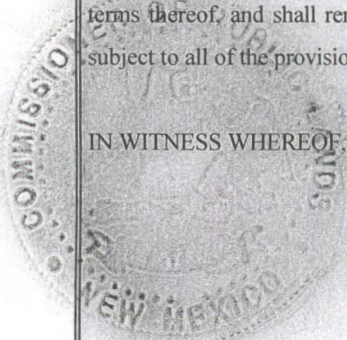
IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this **7th day of June, 2010**.



Patricia H. Lyons

COMMISSIONER OF PUBLIC LANDS

of the State of New Mexico





United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Pecos District
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-2019
www.nm.blm.gov

BK 667 PG 689



IN REPLY REFER TO:
NM-NM-124864
3105.2 (PNM0130)

AUG 11 2010

RETURN RECEIPT REQUESTED
CERTIFIED MAIL— 7008-1830-0002-6036-2642

Concho
Attn: Laura Reyna
550 West Texas Ave, Suite 100
Midland, TX 79701

Dear Ms. Reyna:

Enclosed is one approved copy of Communitization Agreement NMNM124864 involving 80.00 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land in Chaves County, New Mexico. The Communitization Agreement comprises a 160.00-acre well spacing unit.

This agreement communitizes all rights as to oil, natural gas and associated hydrocarbons producible from the Abo and Wolfcamp Formations from the N $\frac{1}{2}$ N $\frac{1}{2}$ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico. This Communitization Agreement is effective April 1, 2010. Approval of this agreement does not warrant or certify that the operator, thereof, and other working interest owners hold legal or equitable title to the leases which are committed hereto.

Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504. If you have any questions regarding this approval, please call Al Collar, geologist, at (575) 627-0272.

Please furnish all interested principals with appropriate evidence of this approval.

Sincerely,

Angel Mayes
Assistant Field Manager,
Lands and Minerals

1 Enclosure:
1 Communitization Agreement

cc:

MMS, Denver MS 357B-1, Antoinette Contreras, Stacey Kaiser (copy of Exhibits A & B)

NM Taxation & Revenue Dept. (Copy of CA)

Revenue Processing Division - Attention: Manuelita Martinez

P. O. Box 2308

Santa Fe, NM 87504

New Mexico State Lands Office

Oil, Gas, and Minerals Division

P.O. Box 1148

Santa Fe, NM 87504-1148

LLNMP01300, Com Agreement file NM-124864

LLNMP01300, Lease File NM-105885

LLNMP09210

NMP0130:Acollar:ac:7/27/2009:575-627-0272:CA NM124864 approval letter

Determination Approval Certification

Pursuant to the authority vested in the Secretary of the Interior under Section 17(j) of the Mineral Leasing Act of 1920, as amended (74 Stat. 784; 30 U.S.C. 226(j)), and delegated to the authorized officer of the Bureau of Land Management, I do hereby:

A. Determine that the Federal lease or leases as to the lands committed to the attached agreement cannot be independently developed and operated in conformity with the wellspacing program established for the field or area in which said lands are located, and that consummation and approval of the agreement will be in the public interest. Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

B. Approve the attached communitization agreement covering the N½N½ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico, as to oil, natural gas, and associated hydrocarbons producible from the Abo and Wolfcamp Formations. This approval will become invalid if the public interest requirements under section 3105.23(e) are not met.

C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of the Federal lease or leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of the agreement.

Approved: August 3, 2010

A handwritten signature in cursive script, appearing to read "Angel Mayes", is written over a horizontal line.

Authorized Officer

Effective: April 1, 2010

Contract No.: Com. Agr. NMNM124864

COMMUNITIZATION AGREEMENT

Contract No. _____

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2N/2
Chaves County, New Mexico
Containing 160 acres, more or less

and this agreement shall include only the Abo and Wolfcamp Formations underlying said lands (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is April 1, 2010, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his duly authorized representative, and by the Commissioner or his duly authorized representative, and shall remain in force and effect for a period of two (2) years and so long thereafter as communitized substances are produced or can be produced from the communitized area in paying quantities; provided, that the two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of the capability of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

Chesapeake Exploration, L.L.C.

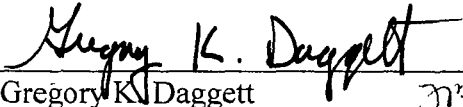
By: _____
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel

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14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
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IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

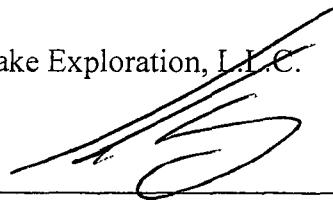


Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: 
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

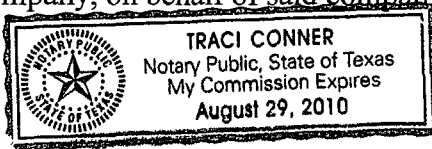
Chesapeake Exploration, L.L.C.

By:  
Henry J. Hood
Senior Vice President – Land and Legal 
& General Counsel

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

This instrument was acknowledged before me on April 5, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
Notary Public

STATE OF)
)
COUNTY OF)

This instrument was acknowledged before me on _____, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., a _____ corporation, on behalf of said corporation.

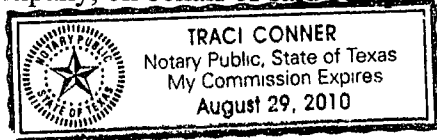
Notary Public

ACKNOWLEDGEMENTS

STATE OF TEXAS)

COUNTY OF MIDLAND)

This instrument was acknowledged before me on April 5, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LEC, a Delaware limited liability company, on behalf of said company.



Traci Conner
Notary Public

STATE OF)

COUNTY OF)

This instrument was acknowledged before me on April 15, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., an Oklahoma limited liability company, on behalf of said corporation. company.



Ann Wendorff
Notary Public

EXHIBIT A

Plat of communitized area covering
the N/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M.
Chaves County, New Mexico

Tract 1 NMNM-105885		Tract 2 VO-8010	
Hercules Fed #2H SL: 660' FNL & 430' FWL		BH: 660' FNL & 330' FEL	

EXHIBIT B

To Communitization Agreement dated April 1 2010, embracing
the N/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M., Chaves County, New Mexico

Operator of Communitized Area: COG Operating LLC

DESCRIPTION OF LEASES COMMITTED**TRACT NO. 1**

Lease Serial No.: NMNM-105885

Lease Date: March 1, 2001

Lease Term: 10 years

Lessor: USA Bureau of Land Management

Original Lessee: Chalfant Properties, Inc.

Present Lessee: COG Oil & Gas LP
Chesapeake Exploration LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2NW/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/8th

Name and Percent ORRI Owners: Harvey E. Yates Company 2.50%

Name and Percent WI Owners: COG Oil & Gas LP 50.00%
Chesapeake Exploration LP 50.00%
100.00%

TRACT NO. 2

Lease Serial No.: V0-8010

Lease Date: May 1, 2007

Lease Term: 5 years

Lessor: State of New Mexico

Original Lessee: COG Oil & Gas LP

Present Lessee: COG Oil & Gas LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2NE/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/6th

Name and Percent ORRI Owners: None

Name and Percent WI Owners: COG Oil & Gas LP 100%

RECAPITULATION

Tract numbers	Number of Acres Committed	Percentage of Interest in Communitized Area
Tract No.1	80.00	50.00%
Tract No.2	<u>80.00</u>	<u>50.00%</u>
Total-	160.00	100.00%



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD SEP 17, 2010 AT 12:04 O CLOCK PM

Receipt Number: 331465 Fee: \$35.50

Book 00667 Page 00688 Pages 14

To Whom Returned: COG OPERATING LLC

LAURA REYNA

550 W TEXAS AVE STE 100

MIDLAND, TX 79701

Rhoda C. Coakley, County Clerk

By Tracee Porter Deputy

Submit 1 Copy To Appropriate District
Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
October 13, 2009

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-005-27999
2 Name of Operator COG Operating LLC		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 550 West Texas Ave, Suite 100, Midland, TX 79701		6. State Oil & Gas Lease No
4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>West</u> line Section <u>15</u> Township <u>15S</u> Range <u>31E</u> NMPM Chavez County		7. Lease Name or Unit Agreement Name Hercules Federal Com
11. Elevation (Show whether DR, RKB, RT, GR, etc) 4405 GR		8. Well Number 1H
		9. OGRID Number 229137
		10. Pool name or Wildcat Wildcat; Abo-Wolfcamp 97715

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER <input type="checkbox"/> Surface Commingle <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests approval for Surface Commingle on the **Hercules Federal Com 1H**, Communitization Agreement # NMNM-125711 and **Hercules Federal Com 2H**, Communitization Agreement # NMNM-124864

The Hercules Federal Com 1H has a Communitization Agreement NMNM 125771. This agreement comprises 160:00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010. The Hercules Federal Com 2H has a Communitization Agreement NMNM 124864. This agreement comprises 160:00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

Commingle will not reduce the value of the production.

I have attached proof of notice to all of our working interest owners, a diagram of our battery facility, and a map with lease boundaries showing all well and facility locations.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Netha Aaron TITLE Regulatory Analyst DATE 5/19/11

Type or print name _____ E-mail address: oaaron@conchoresources.com PHONE: 432-818-2319

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



May 19, 2011

COG Operating, LLC
Netha Aaron
550 W. Texas Ave., Suite 100
Midland, TX 79701

New Mexico Oil Conservation Division
Richard Ezeanyim
1220 S St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Ezeanyim,

COG Operating LLC respectfully requests approval for Surface Commingle on the following wells:

Hercules Federal Com 1H
Chaves County, NM
API # 30-005-27999
Communitization Agreement # NMNM-125711
Surface: 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E
&
Hercules Federal Com 2H
Chavez County, NM
API #: 30-005-29049
Communitization Agreement # NMNM-124864
Surface: 660 FNL & 430 FWL Sec 15, T15S, R31E, Unit D

RECEIVED COG
2011 MAY 24 AM 11:51

The Hercules Federal Com 1H has a Communitization Agreement NMNM 125771. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

The Hercules Federal Com 2H has a Communitization Agreement NMNM 124864. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

I have attached proof of notice to all of our working interest owners, a diagram of our battery facility, and a map with lease boundaries showing all well and facility locations.

Please contact me at 432-818-2319 should you have any questions.

Sincerely,

COG Operating, LLC
Netha Aaron
Regulatory Analyst

Affidavit of Fact


STATE OF TEXAS §

COUNTY OF MIDLAND §

Affiant on oath swears that the following statements are true:

My name is Jan Preston Spradlin. I am a Senior Landman for COG Operating LLC. I am familiar with the ownership of the Hercules Federal Com 1H (API 30-005-27999), Hercules Federal Com 2H (API 30-005-29049), both of which are situated in Section 15, Township 15 South, Range 31 East, Chavez County, New Mexico. I hereby confirm that the working interests and royalty interest in these wells are common

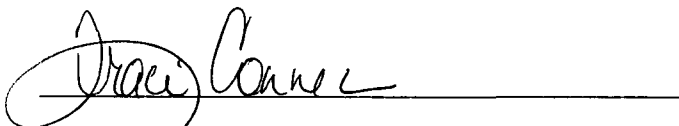
Affiant



Jan Preston Spradlin

SUBSCRIBED AND SWORN TO before me on the 19th day of May, 2011.





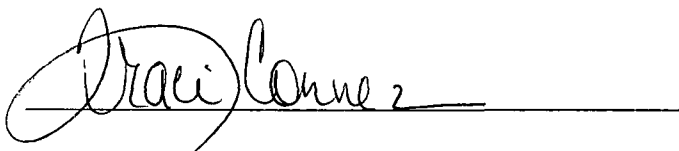
Notary Public, State of Texas

STATE OF TEXAS §

COUNTY OF MIDLAND §

This instrument was acknowledged before me on this 19th day of May, 2011, by Jan Preston Spradlin, Notary Public for the State of Texas.





Notary Public, State of Texas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0135
Expires July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5 Lease Serial No
NMNM105885

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No

8 Well Name and No
HERCULES FEDERAL COM 1H9 API Well No
30-005-27999-00-S110 Field and Pool, or Exploratory
UNDESIGNATED-ABO-WOLFCAMP11 County or Parish, and State
CHAVES COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2 Name of Operator
COG OPERATING LLCContact NETHA AARON
E-Mail oaaron@conchoresources.com3a Address
550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701-42873b Phone No (include area code)
Ph 432-818-2319
Fx 432-685-4396

4 Location of Well, (Footage, Sec, T, R, M, or Survey Description)

Sec 15 T15S R31E SWNW 1980FNL 330FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Surface Commingling

- 13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests approval for Surface Commingle on the following wells
Hercules Federal Com 1H
Chaves County, NM
API # 30-005-27999
Communitization Agreement # NMNM-125711
Surface 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E

Hercules Federal Com 2H
Chavez County, NM
API # 30-005-29049
Communitization Agreement # NMNM-124864
Surface 660 FNL & 430 FWL Sec 15, T15S, R31E, Unit D

2011 MAY 24 AM 11:00
RECEIVED OCT

14 I hereby certify that the foregoing is true and correct

Electronic Submission #107968 verified by the BLM Well Information System**For COG OPERATING LLC, sent to the Roswell****Committed to AFMSS for processing by DAVID GLASS on 05/11/2011 (11DG0204SE)**

Name (Printed/Typed) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/10/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DAVID R GLASS

Title PETROLEUM ENGINEER

Date 05/11/2011

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Roswell

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #107968 that would not fit on the form

7. If Unit or CA/Agreement, Name and No., continued

NMNM124864
NMNM125711

32. Additional remarks, continued

The Hercules Federal Com 1H has a Communitization Agreement NMNM 125771. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

The Hercules Federal Com 2H has a Communitization Agreement NMNM 124864. This agreement comprises 160.00-acre well spacing unit. It involves 80 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land lease V0-8010.

I have attached proof of notice to all of our working interest owners, a diagram of our battery facility, and a map with lease boundaries showing all well and facility locations.

Revisions to Operator-Submitted EC Data for Sundry Notice #107968

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type	SURCOM NOI	SURCOM SR
Lease	NMNM105885	NMNM105885
Agreement		NMNM124864 NMNM125711
Operator	COG OPERATING LLC 550 WEST TEXAS SUITE 100 MIDLAND, TX 79701 Ph 432-818-2319	COG OPERATING LLC 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287 Ph 432-685-9158
Admin Contact	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail oaaaron@conchoresources.com Ph 432-818-2319 Fx 432-685-4396	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail oaaaron@conchoresources.com Ph 432-818-2319 Fx 432-685-4396
Tech Contact	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail oaaaron@conchoresources.com Ph 432-818-2319 Fx 432-685-4396	NETHA AARON AUTHORIZED REPRESENTATIVE E-Mail oaaaron@conchoresources.com Ph 432-818-2319 Fx 432-685-4396
Location State County	NM CHAVEZ COUNTY	NM CHAVES
Field/Pool	WILDCAT, ABO, WOLFCAMP	UNDESIGNATED-ABO-WOLFCAMP
Well/Facility	HERCULES FEDERAL COM 1H Sec 15 T15S R31E 1980FNL 330FWL	HERCULES FEDERAL COM 1H Sec 15 T15S R31E SWNW 1980FNL 330FWL

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO
---------	----------	----------	-----------	------	--------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD Hercules Federal Com 1H API#30-005-27999

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☒ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
 [A] ☒ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO.
U S Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Netha Aaron
 Print or Type Name

Netha Aaron
 Signature

Regulatory Analyst 5/12/11
 Title Date

oaaron@conchoresources.com
 e-mail Address



April 19, 2011

Chesapeake Operating, Inc.
Attn: Robert Martin
6100 N. Western
Oklahoma City, OK 73116

Certified Mail Article Number

Re: Request for Off Lease

Mr. Martin.

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for Off Lease Measurement and Surface Commingle for the following wells:

Hercules Federal Com 2H
Chavez County, NM
API #: 30-005-29049
Communitization Agreement # NMNM-124864

Surface: 660 FNL & 430 FWL Sec 15, T15S, R31E, Unit D

Hercules Federal Com 1H
Chavez County, NM
API# 30-005-27999
Communitization Agreement # NMNM-125711

Surface: 1980 FNL & 330 FWL Sec 15, T15S, R31E, Unit E

The battery is located on COG Operating, LLC property, Hercules Federal Com #2H, Sec 15, T15S, R31E, Unit E.

Should your company have any objection, 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 and Surface Commingle if no objection has been made within the 20 days after the application has been received.

Sincerely,

Netha Aaron

COG Operating LLC
Netha Aaron
Regulatory Analyst

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Chesapeake Operating Inc. Attn: Robert Martin 6100 N Western Oklahoma City OK 73116		B. Received by (Printed Name) RECEIVED C. Date of Delivery APR 21 2011 MAILROOM 6	
2. Article Number (Transfer from service label) 91 7199 9991 7030 0517 3884		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

Confirmation Services	Package ID: 9171999991703005173884	Electronic Certified
	Destination ZIP Code: 73118	First Class Letter
	Customer Reference:	
	Recipient Address	PBP Account #: 41592288 Serial #: 1364097 APR 19 2011 3:10pm

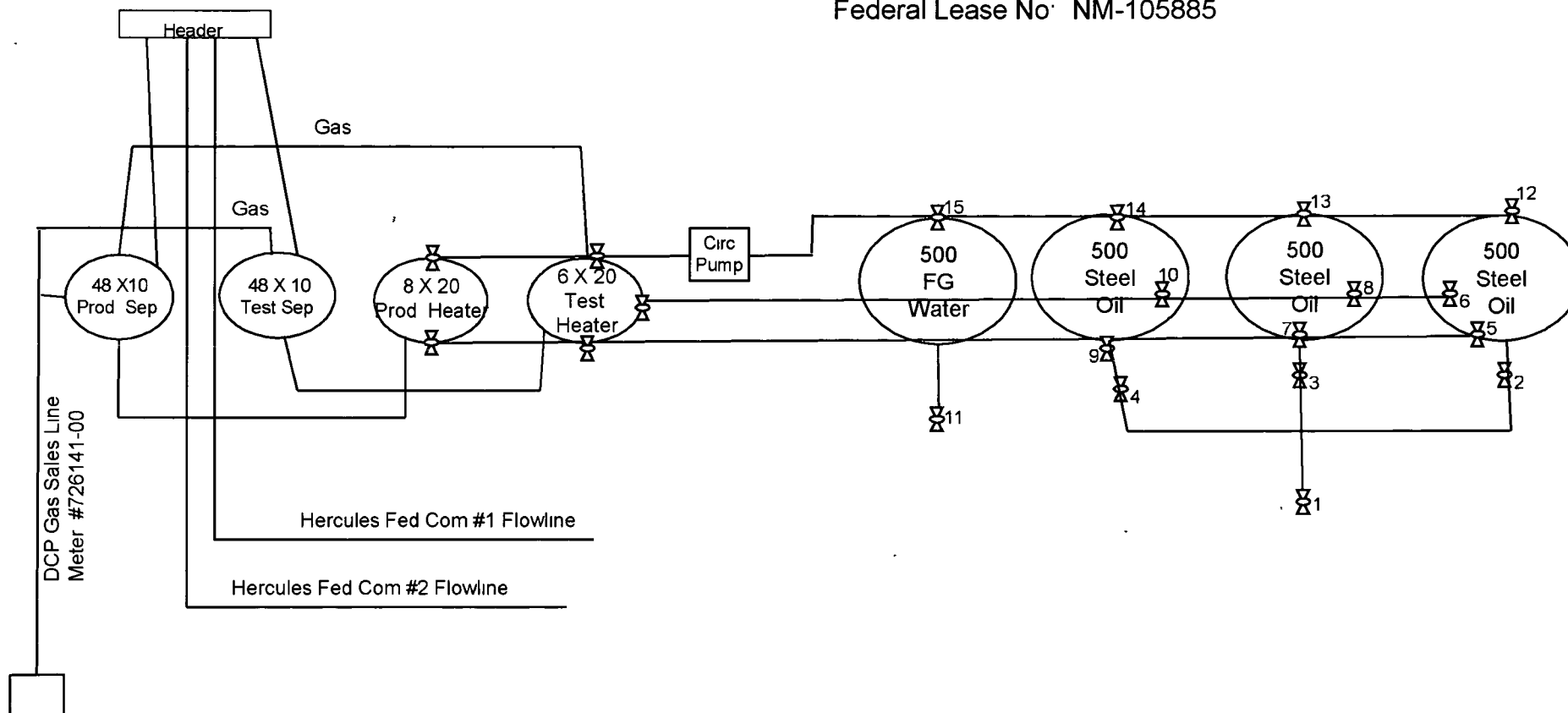
COG OPERATING LLC

Site Security Plan is located at:
550 W. Texas Ave Ste. 100, Midland, Texas 79701
(432)-683-7443

May 3, 2011

Hercules Fed Com Battery

Hercules Fed Com #2H Well
Hercules Fed Com # 1H Well
660' FNL & 430' FWL * Sec15-T15S-R31E * Unit D
Chaves County, NM
API #30-005-29049
Federal Lease No: NM-105885

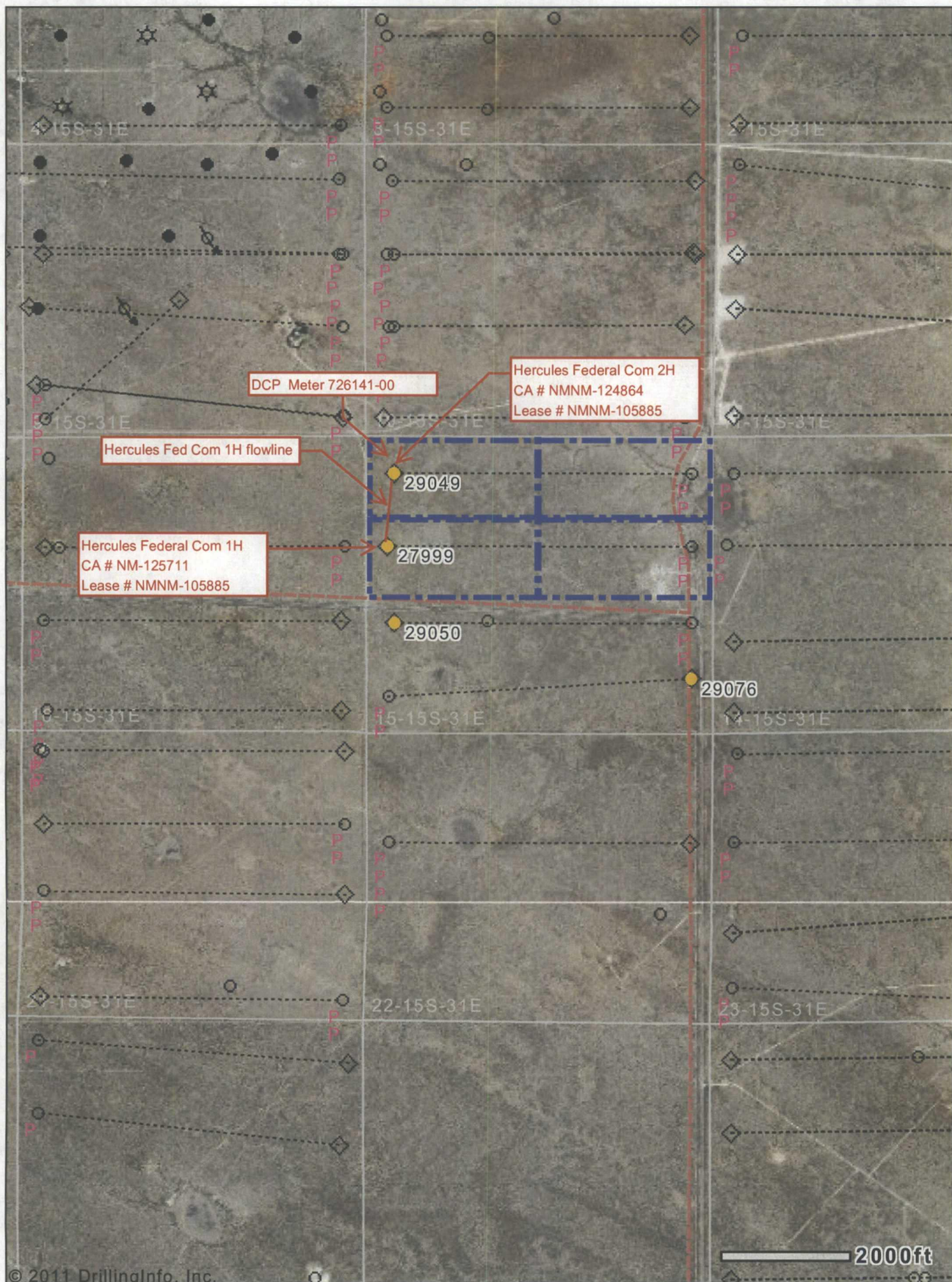


Production Phase:

Valves #1,2,3,4,12,13,14,15 - Closed
Valves #5,6,7,8,9 and 10 - Open

Sales Phase:

Valves #1,2,3 and 4 - Open
Valves #12,13,14,15 - Closed
Valves #5,6,7,8,9 and 10 - Open



COG Operating LLC is requesting approval for surface commingling and off-lease storage and measurement of hydrocarbon production from the following formation(s) and well(s):

Federal Lease No.: SHL – NM-105885, BHL – VO-8010, Com No.:NMNM 125711

<u>Well Name</u>	<u>API No.</u>	<u>Loc: ¼ ¼ Sec. Twp. Rng.</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
Hercules Federal Com 1H	30-005-27999	SWNW, Sec.15, T15S, R31E	Wildcat; Abo, Wolfcamp	145	39.1/@60°	250	593

With hydrocarbon production from:

Federal Lease No.: SHL – NM-105885, BHL – VO-8010, Com No.NMNM 124864

<u>Well Name</u>	<u>API No.</u>	<u>Loc: ¼ ¼ Sec. Twp. Rng.</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
Hercules Federal Com 2H	30-005-29049	NWNW, Sec.15, T15S, R31E	Wildcat; Abo, Wolfcamp	113	39.3/@60°	167	593

The storage and measuring facility is located at NWNW, Sec.15, T15S, R31E on Lease No.: NM 105885, Chavez County, New Mexico. BLM will be notified if there is any future change in the facility location.

Details of the proposed method for allocating production to contributing sources are as follows:

Oil and Gas are to be measured at individual test facilities, and production allocated based on well tests.

DISTRICT I

1000 N. Fresno Dr., Hobbs, NM 88240

DISTRICT II

1201 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1000 E. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Per Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-005-27999	Pool Code 97715	Pool Name Wildcat; Abo-Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 1H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4405'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	15 S	31 E		1980	NORTH	330	WEST	CHAVES

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
H	15	15 S	31 E		1923	NORTH	650	W EAST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.	4945					

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

	SURFACE LOCATION LAT.: N 33°01'03.72" LONG.: W103°49'01.62" SPC- N.: 734361.3 E.: 699568.5 (NAD-83)	BOTTOM HOLE LOCATION LAT.: N 33°01'03.87" LONG.: W103°48'07.25" SPC- N.: 734367.885 E.: 704200.263 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>K. C.</u> Date: <u>12/20/10</u> Printed Name: <u>Kanicia Carrillo</u>
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. Date Surveyed: <u>JULY 27, 2007</u> Signature: <u>[Signature]</u> Professional Surveyor: <u>[Signature]</u> Certificate No. <u>6671</u> Gary L. Jones 7977		BASIN SURVEYS

RECEIVED

SEP 15 2010

DISTRICT I

1825 N French Dr., Hobbs, NM 88240

DISTRICT II

1301 W Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S St. Francis Dr., Santa Fe, NM 87505

HOBSOCD

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-29049	Pool Code 160615 97715	Pool Name Wildcat; Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4407'

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	15	15 S	31 E		660	NORTH	430	WEST	CHAVES

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
A	15	15 S	31 E		678 338	NORTH	338	EAST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No. 4490						

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

<p>4409.5' 4406.5'</p> <p>430' SL</p> <p>4406.7' 4403.7'</p> <p>4528.0'</p> <p>338' BH</p> <p>SURFACE LOCATION LAT.: N 33°01'16.78" LONG.: W103°49'00.45" SPC- N.: 735381.591 E.: 699661.278 (NAD-83)</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>K.C.</i> 08/23/10 Signature Date</p> <p>Kanicia Carrillo Printed Name</p>
<p>BOTTOM HOLE LOCATION LAT.: N 33°01'16.95" LONG.: W103°48'07.27" N.: 735724.860 E.: 704187.620 (NAD-83)</p>	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DECEMBER 11, 2007</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>W.L. Jones 16906</p> <p>Certificate No Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>

NM State Land Office
Oil, Gas, & Minerals Division

STATE/FEDERAL OR
STATE/FEDERAL/FEE
Revised March 2003

COMMUNITIZATION AGREEMENT

Contract No. MM-125711

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2N/2
Chaves County, New Mexico
Containing 160 acres, more or less

and this agreement shall include only the Abo and Wolfcamp Formations underlying said lands (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is August 15, 2010, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his duly authorized representative, and by the Commissioner or his duly authorized representative, and shall remain in force and effect for a period of two (2) years and so long thereafter as communitized substances are produced or can be produced from the communitized area in paying quantities; provided, that the two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of the capability of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator and Lessee of Record:

° COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

Chesapeake Exploration, L.L.C.

By: _____
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett
Gregory K. Daggett
Attorney-in-Fact *GKD* *no*

Lessee of Record:

Chesapeake Exploration, L.L.C.

By: Henry J. Hood
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel *SZ* *CB* *98*

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
 COUNTY OF MIDLAND)

This instrument was acknowledged before me on Sept 22, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
 Notary Public

STATE OF)
)
 COUNTY OF)

This instrument was acknowledged before me on _____, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., a _____ corporation, on behalf of said corporation.

 Notary Public

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
 COUNTY OF MIDLAND)

This instrument was acknowledged before me on Sept 22, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
 Notary Public

STATE OF)
)
 COUNTY OF)

This instrument was acknowledged before me on September 27, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., an Oklahoma limited liability ^{company} corporation, on behalf of said ^{company} corporation.



Teresa K. Long
 Notary Public

EXHIBIT A

To Communitization Agreement dated August 15, 2010, embracing
the S/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M.,
Chaves County, New Mexico

<p>Tract 1 NMNM-105885</p> <p>●</p> <p>Hercules Fed Com #1H SHL: 1980' FNL & 330' FWL</p>		<p>Tract 2 VO-8010</p> <p>●</p> <p>BHL: 1980' FNL & 330' FEL</p>	

EXHIBIT B

To Communitization Agreement dated August 15, 2010, embracing
the S/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M., Chaves County, New Mexico

Operator of Communitized Area: COG Operating LLC

DESCRIPTION OF LEASES COMMITTED**TRACT NO. 1**

Lease Serial No.: NMNM-105885

Lease Date: March 1, 2001

Lease Term: 10 years

Lessor: USA Bureau of Land Management

Original Lessee: Chalfant Properties, Inc.

Present Lessee: COG Oil & Gas LP
Chesapeake Exploration LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2NW/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/8th

Name and Percent ORRI Owners: Harvey E. Yates Company 2.50%

Name and Percent WI Owners: COG Oil & Gas LP 50.00%
Chesapeake Exploration LP 50.00%
100.00%

TRACT NO. 2

Lease Serial No.: V0-8010

Lease Date: May 1, 2007

Lease Term: 5 years

Lessor: State of New Mexico

Original Lessee: COG Oil & Gas LP

Present Lessee: COG Oil & Gas LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: S/2NE/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/6th

Name and Percent ORRI Owners: None

Name and Percent WI Owners: COG Oil & Gas LP 100%

RECAPITULATION

Tract numbers	Number of Acres Committed	Percentage of Interest in Communitized Area
Tract No.1	80.00	50.00%
Tract No.2	<u>80.00</u>	<u>50.00%</u>
Total	160.00	100.00%

NEW MEXICO STATE LAND OFFICE**CERTIFICATE OF APPROVAL****COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO**

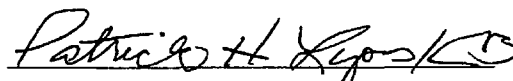
**COG Operating LLC
Hercules Federal Com Well No. 1
Chaves County, New Mexico
S2N2, Section 15, Township 15 South, Range 31 East
Abo & Wolfcamp**

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Communitization Agreement for the development and operation of acreage which is described within the referenced agreement, dated **August 15, 2010** which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this **22nd day of October, 2010**



COMMISSIONER OF PUBLIC LANDS

of the State of New Mexico



United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Pecos District
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-2019
www.nm.blm.gov

BK 673 PG 382



IN REPLY REFER TO:
NM-NM-125771
3105.2 (PNM0130)

NOV 22 2010

RETURN RECEIPT REQUESTED
CERTIFIED MAIL— 7006 3450 0001 4285 4689

Concho
Attn: Laura Reyna
550 West Texas Ave, Suite 100
Midland, TX 79701

Dear Ms. Reyna:

Enclosed is one approved copy of Communitization Agreement NMNM125771 involving 80.00 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land in Chaves County, New Mexico. The Communitization Agreement comprises a 160.00-acre well spacing unit.

This agreement communitizes all rights as to oil, natural gas and associated hydrocarbons producible from the Abo and Wolfcamp Formations from the S $\frac{1}{2}$ N $\frac{1}{2}$ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico. This Communitization Agreement is effective August 15, 2010. Approval of this agreement does not warrant or certify that the operator, thereof, and other working interest owners hold legal or equitable title to the leases which are committed hereto.

Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504. If you have any questions regarding this approval, please call Al Collar, geologist, at (575) 627-0272.

Please furnish all interested principals with appropriate evidence of this approval.

Sincerely,

Angel Mayes
Assistant Field Manager,
Lands and Minerals

1 Enclosure
1 Communitization Agreement

cc:

MMS, Denver MS 357B-1; Antoinette Contreras, Stacey Kaiser (copy of Exhibits A & B)

NM Taxation & Revenue Dept. (Copy of CA)

Revenue Processing Division - Attention: Manuelita Martinez

P. O. Box 2308

Santa Fe, NM 87504

New Mexico State Lands Office

Oil, Gas, and Minerals Division

P.O. Box 1148

Santa Fe, NM 87504-1148

LLNMP01300, Com Agreement file NM-125771

LLNMP01300, Lease File NM-105885

LLNMP09210

NMP0130:Acollar:ac:7/27/2009:575-627-0272:CA NM125711 approval letter

Determination Approval Certification

Pursuant to the authority vested in the Secretary of the Interior under Section 17(j) of the Mineral Leasing Act of 1920, as amended (74 Stat. 784; 30 U.S.C. 226(j)), and delegated to the authorized officer of the Bureau of Land Management, I do hereby:

- A. Determine that the Federal lease or leases as to the lands committed to the attached agreement cannot be independently developed and operated in conformity with the wellspacing program established for the field or area in which said lands are located, and that consummation and approval of the agreement will be in the public interest. Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.
- B. Approve the attached communitization agreement covering the S½N½ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico, as to oil, natural gas, and associated hydrocarbons producible from the Abo and Wolfcamp Formations. This approval will become invalid if the public interest requirements under section 3105.23(e) are not met.
- C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of the Federal lease or leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of the agreement.

Approved: November 17, 2010


Authorized Officer

Effective: August 15, 2010

Contract No.: Com. Agr. NMNM125771



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD JAN 12, 2011 AT 11:26 O'CLOCK AM
Receipt Number: 334700 Fee: \$35.50
Book 00673 Page 00371 Pages 14
To Whom Returned, COG OPERATING LLC
LAURA REYNA
550 WEST TEXAS AVE STE 100
MIDLAND, TX 79701

Rhoda C. Coakley, County Clerk

By  Deputy

RATIFICATION AND JOINDER OF COMMUNITIZATION AGREEMENT

The undersigned party has received a true copy of Communitization Agreement dated August 15, 2010, which communitizes the production of gas and associated liquid hydrocarbons produced from the Abo and Wolfcamp formation underlying the S/2N/2 of Section 15, T-15-S, R-31-E, N M P.M., Chaves County, New Mexico

The undersigned party is an Overriding Royalty Interest Owner in one or more of the tracts comprising the communitized area

The undersigned party desires to adopt, ratify and become a party to the Communitization Agreement and commit to the Communitization Agreement all interest owned or controlled by such party in the communitized area.

NOW, THEREFORE, by the execution hereof, the undersigned party hereby becomes a party to the Communitization Agreement and agrees to be bound by the terms thereof as if such party had signed the original thereof

This ratification and joinder shall be binding upon the undersigned, their heirs, devisees, assigns or successors in interest

This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

EXECUTED THIS 30th day of September, 2010

HARVEY E. YATES COMPANY

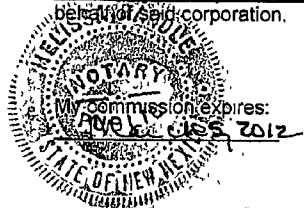
By: [Signature]
Name Arlene T. Rowland
Title Vice President

STATE OF NEW MEXICO

COUNTY OF CHAVES

§
§
§

The foregoing instrument was acknowledged before me this 30th day of September, 2010, by Arlene T. Rowland, as Vice President of Harvey E. Yates Company, a New Mexico corporation, on behalf of said corporation.



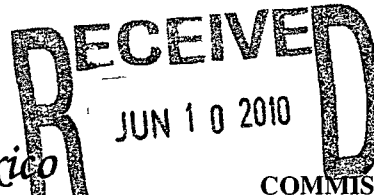
[Signature]
Notary Public



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD JAN 12, 2011 AT 11:26 O'CLOCK AM
Receipt Number 334700 Fee: \$9.00
Book 00673 Page 00395 Pages 1
To Whom Returned: COG OPERATING LLC
LAURA REYNA
550 WEST TEXAS AVE STE 100
MIDLAND, TX 79701

Rhoda C Coakley, County Clerk

By: [Signature] Deputy



PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P O BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

June 7, 2010

COG Operating LLC
Fasken Center, Tower II
550 West Texas Avenue, Suite 100
Midland, Texas 79701

Attn: Laura Reyna

Re: Communitization Agreement Approval (Abo & Wolfcamp)
Hercules Federal Com Well No. 2
N2N2, Section 15, Township 15 South, Range 31 East
Chaves County, New Mexico

Dear Ms. Reyna:

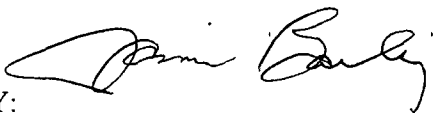
The Commissioner of Public Lands has this date approved the Hercules Federal Com Well No. 2 Communitization Agreement for the Abo and Wolfcamp formations effective April 1, 2010. Enclosed are three Certificates of Approval.

The term of the agreement is for two years, and so long thereafter as communitized substances are produced, or can be produced from the communitized area in paying quantities.

If we may be of further service, please contact Jeff Albers at (505) 827-5759

Sincerely,

PATRICK H. LYONS
COMMISSIONER OF PUBLIC LANDS

BY: 
JAMI BAILEY, Director
Oil, Gas & Minerals Division
(505) 827-5744
PHL/JB/ja
Enclosures

-State Land Office Beneficiaries -

Carne Tingley Hospital • Charitable Penal & Reform • Common Schools • Eastern NM University • Rio Grande Improvement • Miners' Hospital of NM • NM Boys School • NM Highlands University • NM Institute of Mining & Technology • New Mexico Military Institute • NM School for the Deaf • NM School for the Visually Handicapped • NM State Hospital • New Mexico State University • Northern NM Community College • Penitentiary of New Mexico • Public Buildings at Capital • State Park Commission • University of New Mexico • UNM Saline Lands • Water Reservoirs • Western New Mexico University

NEW MEXICO STATE LAND OFFICE**CERTIFICATE OF APPROVAL****COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO**

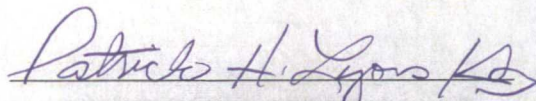
**COG Operating LLC
Hercules Federal Com Well No. 2
Chaves County, New Mexico
N2N2, Section 15, Township 15 South, Range 31 East
Abo & Wolfcamp**

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Communitization Agreement for the development and operation of acreage which is described within the referenced agreement, dated **April 1, 2010** which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said agreement, the Commissioner finds:

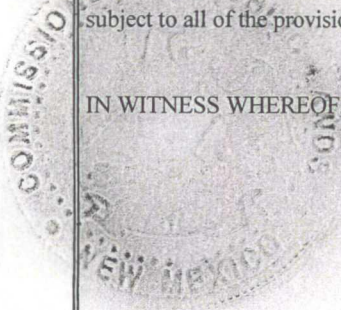
- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this **7th day of June, 2010**.


COMMISSIONER OF PUBLIC LANDS

of the State of New Mexico





United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Pecos District
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-2019
www.nm.blm.gov



IN REPLY REFER TO:
NM-NM-124864
3105.2 (PNM0130)

AUG 11 2010

RETURN RECEIPT REQUESTED
CERTIFIED MAIL— 7008-1830-0002-6036-2642

Concho
Attn: Laura Reyna
550 West Texas Ave, Suite 100
Midland, TX 79701

Dear Ms. Reyna:

Enclosed is one approved copy of Communitization Agreement NMNM124864 involving 80.00 acres of Federal land in oil and gas lease NM-105885 and 80.00 acres of State land in Chaves County, New Mexico. The Communitization Agreement comprises a 160.00-acre well spacing unit.

This agreement communitizes all rights as to oil, natural gas and associated hydrocarbons producible from the Abo and Wolfcamp Formations from the N $\frac{1}{2}$ N $\frac{1}{2}$ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico. This Communitization Agreement is effective April 1, 2010. Approval of this agreement does not warrant or certify that the operator, thereof, and other working interest owners hold legal or equitable title to the leases which are committed hereto.

Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504. If you have any questions regarding this approval, please call Al Collar, geologist, at (575) 627-0272.

Please furnish all interested principals with appropriate evidence of this approval.

Sincerely,

Angel Mayes
Assistant Field Manager,
Lands and Minerals

1 Enclosure:
1 Communitization Agreement

cc:

MMS, Denver MS 357B-1, Antoinette Contreras, Stacey Kaiser (copy of Exhibits A & B)

NM Taxation & Revenue Dept. (Copy of CA)

Revenue Processing Division - Attention: Manuelita Martinez

P. O. Box 2308

Santa Fe, NM 87504

New Mexico State Lands Office

Oil, Gas, and Minerals Division

P.O. Box 1148

Santa Fe, NM 87504-1148

LLNMP01300, Com Agreement file NM-124864

LLNMP01300, Lease File NM-105885

LLNMP09210

NMP0130:Acollar:ac:7/27/2009:575-627-0272:CA NM124864 approval letter

Determination Approval Certification

Pursuant to the authority vested in the Secretary of the Interior under Section 17(j) of the Mineral Leasing Act of 1920, as amended (74 Stat. 784; 30 U.S.C. 226(j)), and delegated to the authorized officer of the Bureau of Land Management, I do hereby:

A. Determine that the Federal lease or leases as to the lands committed to the attached agreement cannot be independently developed and operated in conformity with the wellspacing program established for the field or area in which said lands are located, and that consummation and approval of the agreement will be in the public interest. Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

B. Approve the attached communitization agreement covering the N½N½ of section 15, T. 15 S., R. 31 E., N.M.P.M., Chaves County, New Mexico, as to oil, natural gas, and associated hydrocarbons producible from the Abo and Wolfcamp Formations. This approval will become invalid if the public interest requirements under section 3105.23(e) are not met.

C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of the Federal lease or leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of the agreement.

Approved: August 3, 2010

A handwritten signature in cursive script, appearing to read "Angel Mayes", is written over a horizontal line.

Authorized Officer

Effective: April 1, 2010

Contract No.: Com. Agr. NMNM124864

COMMUNITIZATION AGREEMENT

Contract No. _____

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2N/2
Chaves County, New Mexico
Containing 160 acres, more or less

and this agreement shall include only the Abo and Wolfcamp Formations underlying said lands (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is April 1, 2010, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his duly authorized representative, and by the Commissioner or his duly authorized representative, and shall remain in force and effect for a period of two (2) years and so long thereafter as communitized substances are produced or can be produced from the communitized area in paying quantities; provided, that the two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of the capability of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: Gregory K. Daggett
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

Chesapeake Exploration, L.L.C.

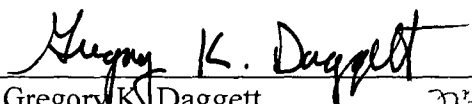
By: _____
Henry J. Hood
Senior Vice President – Land and Legal
& General Counsel

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

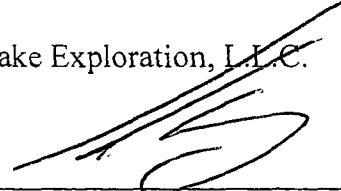
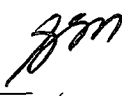

Operator and Lessee of Record:

COG Operating LLC
successor in interest to COG Oil & Gas LP

By: 
Gregory K. Daggett
Attorney-in-Fact

Lessee of Record:

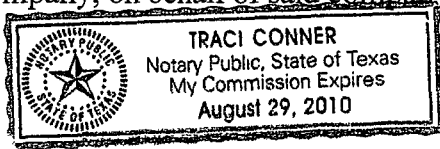
Chesapeake Exploration, L.L.C.

By:  
Henry J. Hood
Senior Vice President – Land and Legal 
& General Counsel

ACKNOWLEDGEMENTS

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

This instrument was acknowledged before me on April 5, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
Notary Public

STATE OF)
)
COUNTY OF)

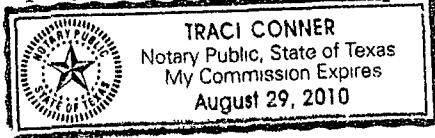
This instrument was acknowledged before me on _____, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., a _____ corporation, on behalf of said corporation.

Notary Public

ACKNOWLEDGEMENTS

STATE OF TEXAS)
COUNTY OF MIDLAND)

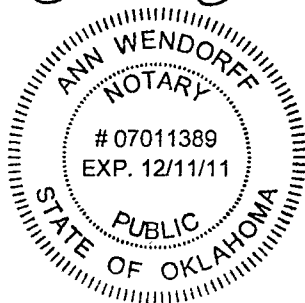
This instrument was acknowledged before me on April 5, 2010, by Gregory K. Daggett, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of said company.



Traci Conner
Notary Public

STATE OF)
COUNTY OF)

This instrument was acknowledged before me on April 15, 2010, by Henry J. Hood, Senior Vice President – Land and Legal & General Counsel of Chesapeake Exploration, L.L.C., an Oklahoma limited liability company, on behalf of said corporation company.



Ann Wendorff
Notary Public

EXHIBIT A

Plat of communitized area covering
the N/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M.
Chaves County, New Mexico

Tract 1 NMNM-105885		Tract 2 VO-8010	
Hercules Fed #2H SL. 660' FNL & 430' FWL		BH. 660' FNL & 330' FEL	

EXHIBIT B

To Communitization Agreement dated April 1 2010, embracing
the N/2N/2 of Section 15, Township 15 South, Range 31 East, N.M.P.M., Chaves County, New Mexico

Operator of Communitized Area: COG Operating LLC

DESCRIPTION OF LEASES COMMITTED**TRACT NO. 1**

Lease Serial No.: NMNM-105885

Lease Date: March 1, 2001

Lease Term: 10 years

Lessor: USA Bureau of Land Management

Original Lessee: Chalfant Properties, Inc.

Present Lessee: COG Oil & Gas LP
Chesapeake Exploration LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2NW/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/8th

Name and Percent ORRI Owners: Harvey E. Yates Company 2.50%

Name and Percent WI Owners: COG Oil & Gas LP 50.00%
Chesapeake Exploration LP 50.00%
100.00%

TRACT NO. 2

Lease Serial No.: V0-8010

Lease Date: May 1, 2007

Lease Term: 5 years

Lessor: State of New Mexico

Original Lessee: COG Oil & Gas LP

Present Lessee: COG Oil & Gas LP

Description of Land Committed: Township 15 South, Range 31 East, N.M.P.M.
Section 15: N/2NE/4
Chaves County, New Mexico

Number of Acres: 80.00

Royalty Rate: 1/6th

Name and Percent ORRI Owners: None

Name and Percent WI Owners: COG Oil & Gas LP 100%

RECAPITULATION

Tract numbers	Number of Acres Committed	Percentage of Interest in Communitized Area
Tract No.1	80.00	50.00%
Tract No.2	<u>80.00</u>	<u>50.00%</u>
Total	160.00	100.00%



STATE OF NEW MEXICO, COUNTY OF CHAVES
FILE FOR RECORD SEP 17, 2010 AT 12:04 O CLOCK PM
Receipt Number: 331465 Fee: \$35.50
Book 00667 Page 00688 Pages 14
To Whom Returned: COG OPERATING LLC
LAURA REYNA
550 W TEXAS AVE STE 100
MIDLAND, TX 79701

Rhoda C. Coakley, County Clerk

By Grace Porter Deputy