

DATE IN 6/20/12	SUSPENSE	ENGINEER Ezeanyim	LOGGED IN 6/21/12	TYPE CTB	APP NO. 05D01217330555
--------------------	----------	----------------------	----------------------	-------------	---------------------------

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

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** \_\_\_\_\_

DEAD 229137

API 30-005-27919

-29049

-29050

-29076

Name Hercules Federal COM

located - E-15-15S-31E

D-1

L-1

P-1

**[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.**

Brian Maiorino

Print or Type Name

Signature

Regulatory Analyst

Title

bmaiorino@concho.com

e-mail Address

5/31/12

Date

6/21

June 15, 2012

COG Operating, LLC  
Brian Maiorino  
550 W. Texas Ave., Suite 100  
Midland, Texas 79701

RECEIVED OCD  
2012 JUN 20 P 12:48

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:

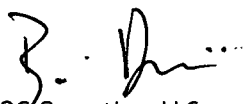
Hercules Federal Com 4H  
Chavez County, NM  
API# 30-005-27999  
Communitization Agreement # Pending  
Surface: 990 FSL & 330 FEL  
Sec 15, T15S, R31E, Unit P

The Hercules Federal Com 4H will have a Communitization Agreement comprised of a 160.00-acre well spacing unit. It will involve 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 432-221-0467 should you have any questions.

Sincerely,

  
COG Operating, LLC  
Brian Maiorino  
Regulatory Analyst

CTB-649

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

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

Form C-103  
Revised August 1, 2011

<b>WELL API NO.</b> 30-005-29076	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Hercules Federal Com	
8. Well Number 4H	
9. OGRID Number 229137	
10. Pool name or Wildcat Wildcat; Abo-Wolfcamp	
4. Well Location Unit Letter <u>P</u> : <u>990</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>East</u> line Section <u>15</u> Township <u>15 S</u> Range <u>31 E</u> NMPM County: <u>Chaves</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4392'	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: Surface Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

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 request approval of off lease measurement and surface commingle for the

Hercules Federal Com #4H  
Chaves County, NM API# 30-005-27999  
Communitization Agreement: Pending

Gas will produce to and be metered at the battery located on COG Operating LLC property, Hercules Federal Com 2H,  
Sec 15, T15S, R31E, Unit E

Fluids will produce to facilities located onsite at the Hercules Federal Com 4H, Sec 15, T15S, R31E, Unit P

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 B. Maiorino TITLE Regulatory Analyst DATE 6/15/12

Type or print name Brian Maiorino E-mail address: bmaiorino@concho.com PHONE: 432-221-0467

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: COG Operating LLC

OPERATOR ADDRESS: 550 W. Texas Ave, Suite 100, Midland, TX 79701

APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☒ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☒ Federal

Is this an Amendment to existing Order? ☒ Yes ☐ No If "Yes", please include the appropriate Order No. OLM-58  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

**(A) POOL COMMINGLING**

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

- (2) Are any wells producing at top allowables? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.  
(4) Measurement type: ☐ Metering ☐ Other (Specify)  
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**

Please attach sheets with the following information

- (1) Pool Name and Code. Wildcat; Abo-Wolfcamp (97715)  
(2) Is all production from same source of supply? ☒ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No  
(4) Measurement type: ☒ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**

Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**

Please attached sheets with the following information

- (1) Is all production from same source of supply? ☒ Yes ☐ No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**

Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Brian Mariano TITLE: Regulatory Analyst DATE: 5/31/2012

TYPE OR PRINT NAME Brian Mariano TELEPHONE NO.: 432-221-0467

E-MAIL ADDRESS: bmariano@concho.com

**COG Operating, LLC is Requesting approval for surface commingling from the following formation and wells**

Federal Lease No. NMLC-029415-B and NMLC-029415-A

<u>Well Name</u>	<u>API No.</u>	<u>Loc: 1/4-1/4 Sec. Twp. Rng. UL</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
<b>Hercules Federal Com 1H</b>	30-005-27999	SWNW, Sec.15, T15S, R31E	Wildcat;Abo-Wolfcamp	145	<u>39.1/@60°</u>	250	593
<b>Hercules Federal Com 2H</b>	30-005-29049	NWNW, Sec.15, T15S, R31E	Wildcat;Abo-Wolfcamp	113	39.3/@60°	167	593
<b>Hercules Federal Com 3H</b>	30-005-29050	NWSW, Sec.15, T15S, R31E	Wildcat;Abo-Wolfcamp				
<b>Hercules Federal Com 4H</b>	30-005-29076	SE/SE, Sec 15, T15S, R31E, UL P	Wildcat;Abo-Wolfcamp				

Federal Lease- BHL , NMNM-105885

State Lease - SHL, VO-8010

Hercules Fed Com 4H      Gas Storage and measuring Facility is located at NWNW, Sec 15, T15S, R31E, DCP gas sales line meter  
Oil Storage and measuring facility to be located at Hercules Federal Com 4H well site.

Hercules Fed Com 1,2,3      The storage and measuring facility is located at NWNW, Sec.15, T15S, R31E on Lease No.: NM 105885

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  
1825 N. 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
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	EAST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

<p><b>SURFACE LOCATION</b> LAT.: N 33°01'03.72" LONG.: W103°49'01.62" SPC- N.: 734381.3 E.: 699568.5 (NAD-83)</p>	<p><b>BOTTOM HOLE LOCATION</b> LAT.: N 33°01'03.87" LONG.: W103°48'07.25" SPC- N.: 734387.885 E.: 704200.263 (NAD-83)</p>	<p>1923'</p>	<p>650'</p>	<p>4625'</p>	<p>330'</p>	<p>4407.7'</p> <p>4401.8'</p> <p>330'</p> <p>4408.4'</p> <p>4403.4'</p>	<p><b>OPERATOR CERTIFICATION</b></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> 6/4/12 Signature Date Kanicia Carrillo Printed Name</p>
							<p><b>SURVEYOR CERTIFICATION</b></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>JULY 27 2007 Date Surveyed Signature Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS</p>

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005

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

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-005-29049	Pool Code 97715	Pool Name Wildcat;Abo-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**

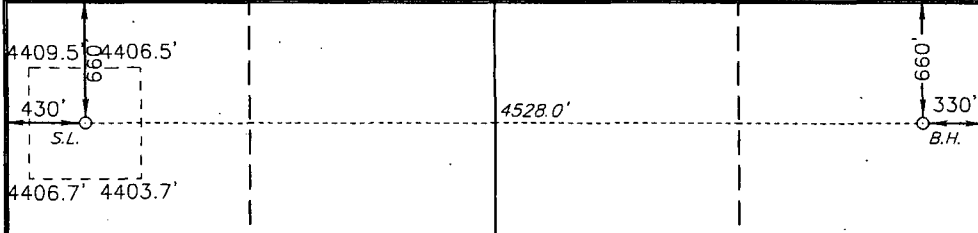
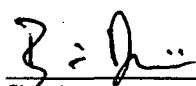
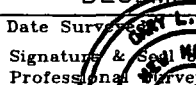
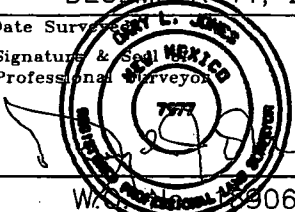
UL or lot No. D	Section 15	Township 15 S	Range 31 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 430	East/West line WEST	County CHAVES
--------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	----------------------	------------------------	------------------

**Bottom Hole Location If Different From Surface**

UL or lot No. A	Section 15	Township 15 S	Range 31 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 330	East/West line EAST	County CHAVES
--------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	----------------------	------------------------	------------------

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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

	<b>OPERATOR CERTIFICATION</b>  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.  Signature:  Date: 6/4/12  Printed Name: Brian Maiorino
<b>SURFACE LOCATION</b> LAT.: N 33°01'16.78" LONG.: W103°49'00.45" SPC- N.: 735381.591 E.: 699661.278 (NAD-83)	<b>BOTTOM HOLE LOCATION</b> LAT.: N 33°01'16.95" LONG.: W103°48'07.27" SPC- N.: 735724.860 E.: 704187.620 (NAD-83)
<b>SURVEYOR CERTIFICATION</b>  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.  DECEMBER 11, 2007 Date Surveyed:  Signature & Seal:  Professional Surveyor Certificate No. Gary L. Jones 7977	

BASIN SURVEYS

## 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

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505Form 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 30-005-29050	Pool Code 97715	Pool Name Wildcat;Abo-Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 3H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4400'

## Surface Location

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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><b>SURFACE LOCATION</b> LAT.: N 33°00'50.65" LONG.: W103°49'00.44" SPC- N.: 733044.316 E.: 699674.047 (NAD-83)</p>		<p><b>BOTTOM HOLE LOCATION</b> LAT.: N 33°00'50.82" LONG.: W103°48'07.28" SPC- N.: 733084.176 E.: 704200.381 (NAD-83)</p>		<p><b>OPERATOR CERTIFICATION</b></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>Brian Maiorino</i> 6/4/12 Signature Date</p> <p>Brian Maiorino Printed Name</p>
<p>4403.9' 4399.6'</p> <p>430'</p> <p>S.L.</p> <p>4401.9' 4397.2'</p> <p>1980'</p>		<p>4526.5'</p> <p>330'</p> <p>B.H.</p> <p>1980'</p>		<p><b>SURVEYOR CERTIFICATION</b></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><i>Gay L. Jones</i> Signature &amp; Seal of Professional Surveyor</p> <p>7977</p> <p>W. No. 16205</p> <p>Certificate No. Gay L. Jones 7977</p> <p>BASIN SURVEYS</p>



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

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 30-005-29076	Pool Code 97715	Pool Name Wildcat;Abo-Wolfcamp
Property Code 37347	Property Name HERCULES FEDERAL COM	Well Number 4H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4392'

Surface Location

UL or lot No. P	Section 15	Township 15 S	Range 31 E	Lot Idn	Feet from the 990	North/South line SOUTH	Feet from the 330	East/West line EAST	County CHAVES
--------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	----------------------	------------------------	------------------

Bottom Hole Location If Different From Surface

UL or lot No. M	Section 15	Township 15 S	Range 31 E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 330	East/West line WEST	County CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

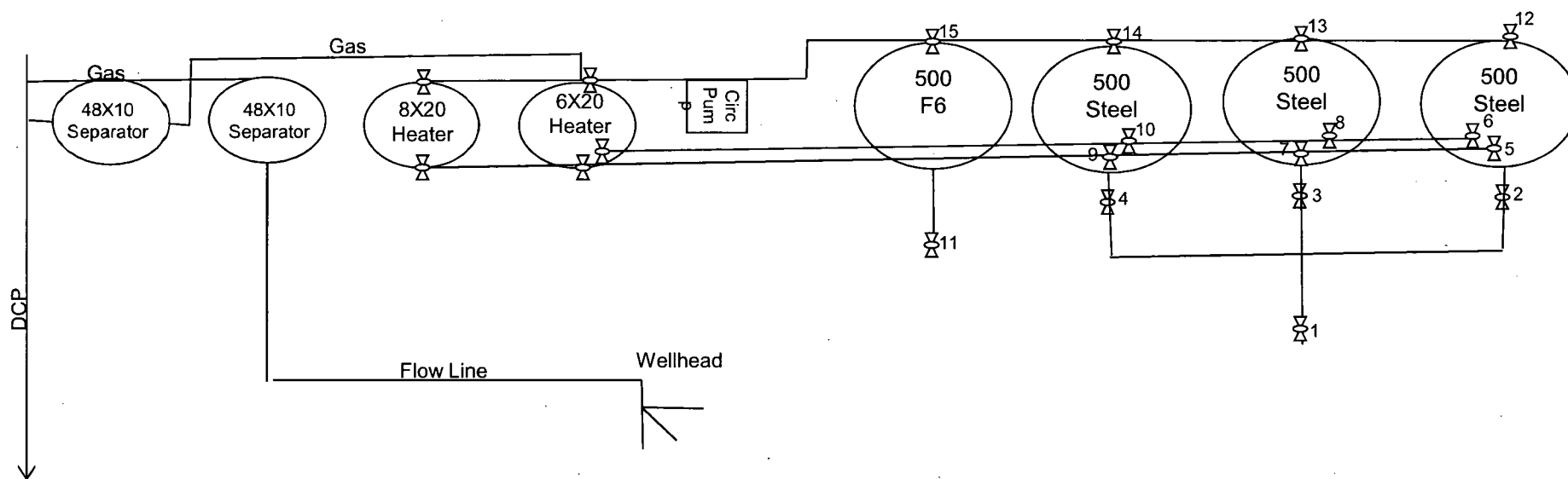
				<b>OPERATOR CERTIFICATION</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant 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.</i>  Signature <u>Brian Maiorino</u> Date <u>6/3/12</u>  Printed Name <u>Brian Maiorino</u>	
				<b>SURVEYOR CERTIFICATION</b>  <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>  AUGUST 5, 2007 Date Surveyed <u>8/5/2007</u> Signature & Seal of Professional Surveyor <u>GARY L. JONES</u> Certificate No. <u>7977</u>  BASIN SURVEYS	

# COG OPERATING LLC

550 W. Texas Ave Ste 100 Midland, Texas 79701  
(432)-683-7443

## Hercules Fed Com #2

660' FNL & 430' FWL \* Sec15-T15S-R31E \* Unit D  
Chaves County, NM  
API-#30-005-29049



### Production Phase:

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

### Sales Phase:

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

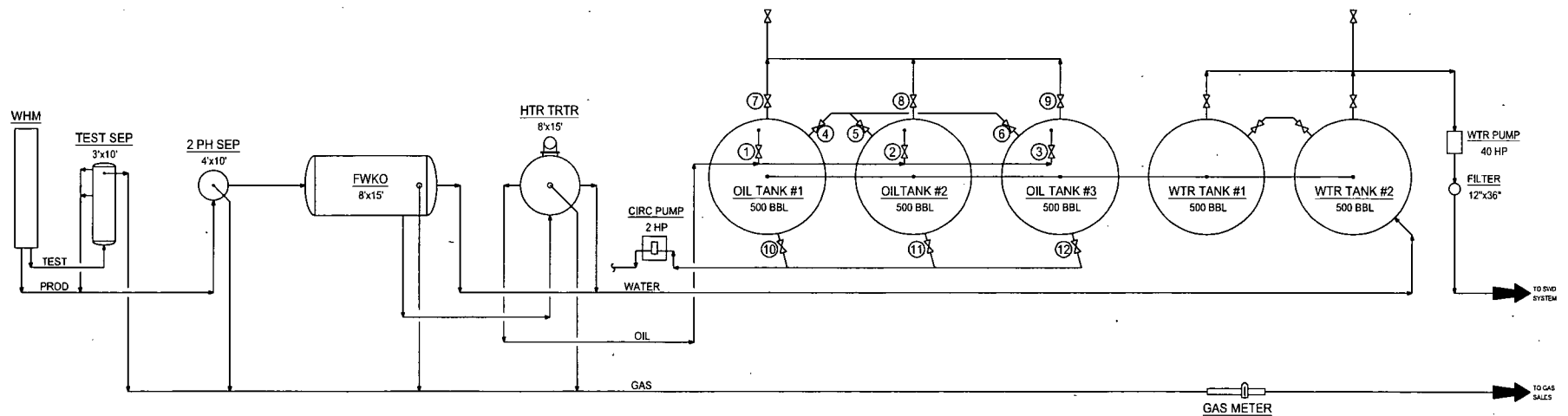
# Hercules Fed Com 4 Battery

Location: SESE, Sec 15, T15S, R31E, UL P

Hercules Federal Com 4H Well: API # 30-005-29076

**Production Phase - Oil Tank #1**  
 - Valve 1 open  
 - Valves 2 and 3 closed  
 - Valves 4, 5, and 6 open  
 - Valves 7, 8, and 9 closed  
 - Valves 10, 11, and 12 closed

**Sales Phase - Oil Tank #1**  
 - Valve 1 closed  
 - Valves 2 or 3 open  
 - Valve 4 closed  
 - Valves 5 and 6 open  
 - Valve 7 open  
 - Valves 8 and 9 closed  
 - Valves 10, 11, and 12 closed



## NOTES:

**CONFIDENTIALITY NOTICE**  
 THIS DRAWING IS PROPERTY OF COG OPERATING LLC AND IS LOANED TO THE BORROWER FOR CONFIDENTIAL USE ONLY AND IS SUBJECT TO RETURN UPON REQUEST AND SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT IS SPECIFICALLY FURNISHED.

**REFERENCE DRAWINGS**

NO.	TITLE
1	COG OPERATING LLC 550 W. TEXAS AVE, SUITE 100 MIDLAND, TEXAS 79701

**REVISIONS**

NO.	DATE	DESCRIPTION	BY	CHK.	APP.
A	06/01/12	ISSUE FOR SITE PERMITTING	CRB		

**ENGINEERING RECORD**

BY	DATE
DRN: CRB	06/01/12
DES: CRB	06/01/12
CHK:	
APP:	
AFE NO:	
FACIL ENR:	C. BLEDSOE
OPER ENR:	VARIES
SCALE:	NONE

**CONCHO**  
 NEW MEXICO SHELF ASSET  
 PRODUCTION FACILITIES  
 SITE FACILITY DIAGRAM  
 STANDARD TANK BATTERY  
 EDDY COUNTY  
 TOWNSHIP/RANGE  
 MULTIPLE  
 DWG NO.  
 D-1700-81-005  
 REV  
 A

# 15S 31E

9

10

11

HERCULES FED TANK BATTERY

30-005-29049  
HERCULES FED COM #2  
SHL: 660 FNL 430 FWL  
BHL: 660 FNL 330 FEL

30-005-27999  
HERCULES FED COM #1H  
SHL: 1980 FNL 330 FWL  
BHL: 1921 FNL 4945 FWL

30-005-29050  
HERCULES FED COM #3H  
SHL: 1980 FSL 430 FWL  
BHL: 1980 FSL 330 FEL

15

14

30-005-29076  
HERCULES FED COM 4H  
SHL: 990 FSL 330 FEL  
BHL: 660 FSL 330 FWL

HERCULES FED TANK BATTERY

21

22

23

## Map Legend

SHL  Horizontal Loc

BHL 

 NMNM - 105885

 VO - 8010

1" = 1500'

1500 0 1500 3000 4500 ft



Project: SENM / AOI: DL\_SHELF  
Chaves Co., NM

**Hercules Fed Com Lease**  
**Lease No.: NMNM-105885 &  
VO-8010**

Author: D Lara	Wells: No Wells	Date: 6 June, 2012
File Path: SENM DL HERCULES FED COM REGULATORY LEASES MAP.mxd		

June 5, 2012

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

Certified Mail Article Number: 91

Re: Request for Surface Commi

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

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 4H  
Chaves County, NM  
API # 30-005-29076  
Communitization Agreement # Not approved yet  
Surface: 990 FSL & 330 FEL, Sec 15, T15S, R31E, Unit P**

Gas will produce/metered at the battery located on COG Operating, LLC property, Hercules Federal Com 2H, Sec 15, T15S, R31E, Unit E.

Oil and water will produce to facilities located at the Hercules Federal Com 4H well site, 990 FSL & 330 FEL, Sec 15, T15S, R31E, Unit P

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 Surface Commingle and Off Lease Measurement if no objection has been made within the 20 days after the application has been received.

Sincerely,



COG Operating LLC  
Brian Maiorino  
Regulatory Analyst

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"><li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li><li>Print your name and address on the reverse so that we can return the card to you.</li><li>Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>		<p>A. Signature <b>RECEIVED</b> <b>X</b> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
1. Article Addressed to:  Chesapeake Operating, Inc Attn: Robert Martin 6100 N. Western Oklahoma City, OK 73118		B. Received by (Printed Name) <b>JUN 12 2012</b>	C. Date of Delivery
2. Article Number (Transfer from service label) <b>91 719</b>		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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.			