

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88210  
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  
May 27, 2004

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO 30-015-35727
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701		7. Lease Name or Unit Agreement Name Folk Federal (Battery)
4. Well Location Unit Letter <u>L</u> : <u>1650</u> feet from the <u>South</u> line and <u>990</u> feet from the <u>West</u> line Section <u>17</u> Township <u>17S</u> Range <u>29E</u> NMPM County <u>Eddy</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3647' GR		9. OGRID Number 229137
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Empire, Glorieta Yeso
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

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 ☐

SUBSEQUENT REPORT OF:  
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS ☐ P AND A ☐  
CASING/CEMENT-JOB ☐

OTHER: ☐

OTHER: Surface Commingle ☒

PC-1224

13. Describe proposed or completed operations. (Clearly state all pertinent details, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions. Attach wellbore diagram of proposed completion or recompletion

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

Producing wells:

Folk Federal #1	Folk Federal #2	Folk Federal #3	Folk Federal #4
Folk Federal #6	Folk Federal #7	Folk Federal #8	Folk Federal #9
Folk Federal #10	Folk Federal #11	Folk Federal #12	Folk Federal #13

Permitted, Not Drilled wells:

Folk Federal #5	Folk Federal #36	Folk Federal #38	Folk Federal #41
-----------------	------------------	------------------	------------------

Waiting on Permit wells:

Folk Federal #14	Folk Federal #17	Folk Federal #20	Folk Federal #21
Folk Federal #24	Folk Federal #26	Folk Federal #28	Folk Federal #29
Folk Federal #31	Folk Federal #32	Folk Federal #33	Folk Federal #35

We are planning to recomplete a couple of these wells to the Grayburg Jackson; SR-Q-G-SA, 28509. They are currently producing from the Empire; Glorieta-Yeso, East, 96610. Commingling will not reduce the value of the production. We have 100% ownership in this well and zones and there are no interest owners to notify.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE: K. Carrillo TITLE: Regulatory Analyst DATE: 07/21/10

Type or print name: Kanicia Carrillo E-mail address: kcarrillo@conchoresources.com Telephone No. 432-685-4332

APPROVED BY: [Signature] TITLE: Div. Director DATE: 7/21/10

Conditions of Approval (if any):  
This approval is subject to BLM approval before commencing the commingling operations

DATE IN 6-17-10	SUSPENSE	ENGINEER RE	LOGGED IN 6-17-10	TYPE PC	PTG-62	APP NO 1016855472
-----------------	----------	-------------	-------------------	---------	--------	-------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

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



C06

12 wells

**ADMINISTRATIVE APPLICATION CHECKLIST**

Eddy Cu

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 \_\_\_\_\_

Folk Federal Battery  
 NM NM-0397623

RECEIVED OGD  
 JUN 17 11:15

[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.

KANICIA CARRILLO \_\_\_\_\_  
 Print or Type Name Signature  
 REGULATORY ANALYST \_\_\_\_\_  
 Title Date 5/25/10  
 kcarrillo@conchoresources.com  
 e-mail Address

PC-1224



June 16, 2010

New Mexico Oil Conservation Division  
Surface Commingling  
Attn: Richard Ezeanyim  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Request Surface Commingling for:

Folk Federal Battery  
Eddy County, NM  
NMNM0397623  
Sec 17, T17S, R29E, Unit N

Dear Mr. Ezeanyim:

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

Producing wells:

Folk Federal #1	Folk Federal #2	Folk Federal #3	Folk Federal #4
Folk Federal #6	Folk Federal #7	Folk Federal #8	Folk Federal #9
Folk Federal #10	Folk Federal #11	Folk Federal #12	Folk Federal #13

12 wells

Permitted, Not Drilled wells:

Folk Federal #5	Folk Federal #36	Folk Federal #38	Folk Federal #41
-----------------	------------------	------------------	------------------

Waiting on Permit wells:

Folk Federal #14	Folk Federal #17	Folk Federal #20	Folk Federal #21
Folk Federal #24	Folk Federal #26	Folk Federal #28	Folk Federal #29
Folk Federal #31	Folk Federal #32	Folk Federal #33	Folk Federal #35

We are planning to recomplete a couple of these wells to the Grayburg Jackson; SR-Q-G-SA, 28509 They are currently producing from the Empre; Glorieta-Yeso, East, 96610 Commingling will not reduce the value of the production. We have 100% ownership in this well and zones and there are no interest owners to notify.

COG Operating LLC plans to continue to test through heater treaters and separators and make the allocations on well tests. There are no off lease wells producing to this facility so off lease production is not a concern. The current system configuration is that of commonly accepted oil field practice for testing producing oil wells.



The reserves in the Grayburg and San Andres reservoirs are not as high as the Yeso and so the financial burden off constructing a tank battery and rerouting flowlines to handle their production alone has a strongly negative impact on the project economics – such that it would require high oil prices to maintain this work. However by being allowed to make use of the current flowlines and current facility, COG is able to produce these reserves in a lower price oil environment. COG also believes that a surface commingle will reduce the surface impact on the existing lease by not requiring us to reroute flowlines and increase the size of the pad for the existing battery or construct a new pad on undisturbed ground.

I have attached a diagram of our battery facility, a map with lease boundaries showing all well and facility locations, a list of lease names, well numbers and API numbers, C-102's, a certified statement by COG landman stating that ownership is common in both pools.

Please contact me at 432-685-4332 if you have any questions or concerns.

Sincerely,

COG Operating LLC

A handwritten signature in black ink, appearing to read "K. Carrillo", written over a horizontal line.

Kanicia Carrillo  
Regulatory Analyst  
[kcarrillo@conchoresources.com](mailto:kcarrillo@conchoresources.com)

# COG OPERATING LLC

550 W Texas Ave Ste 1300 Midland, Texas 79701  
(432)-683-7443

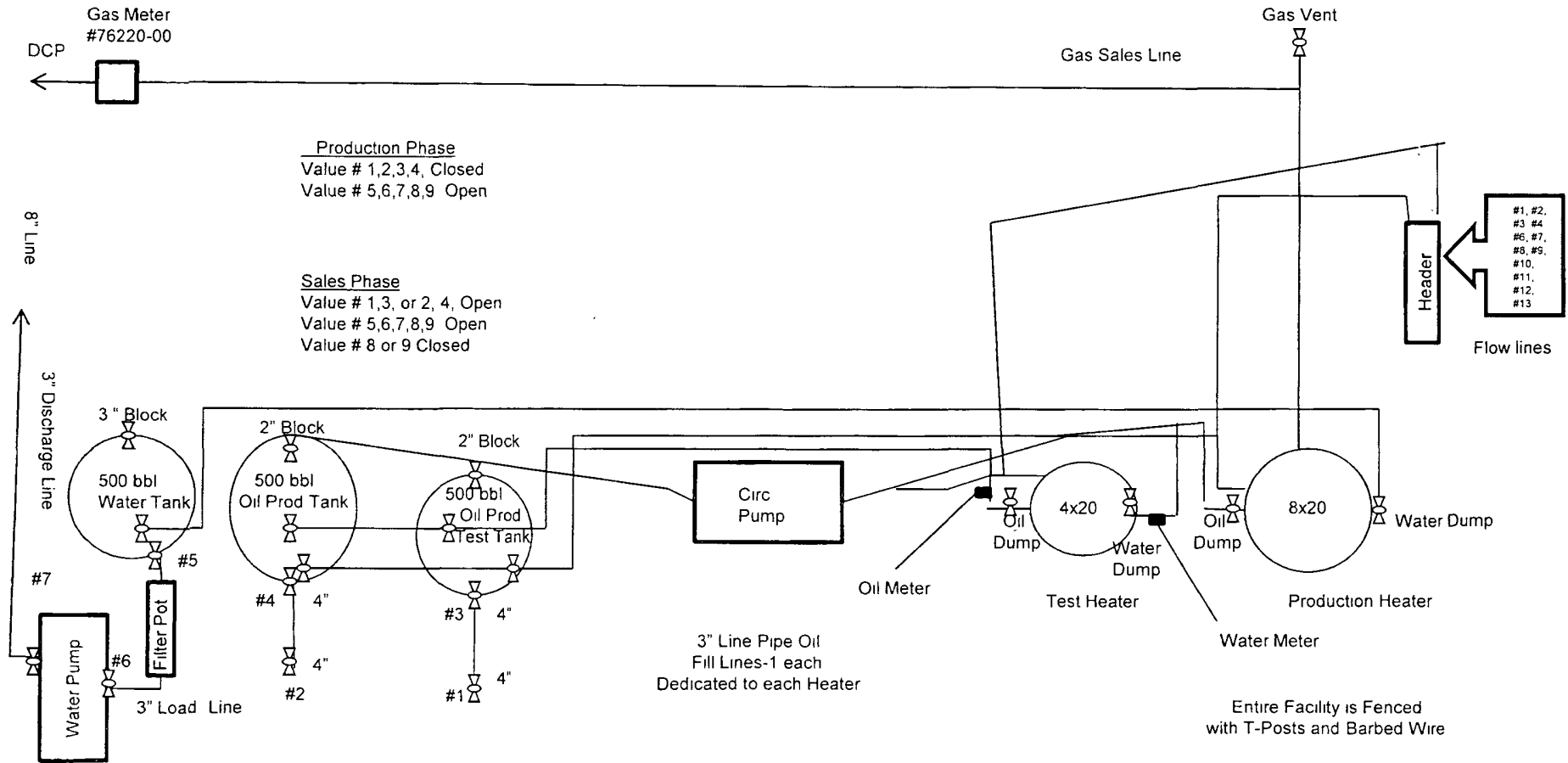
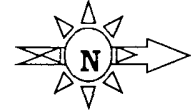
September 2008

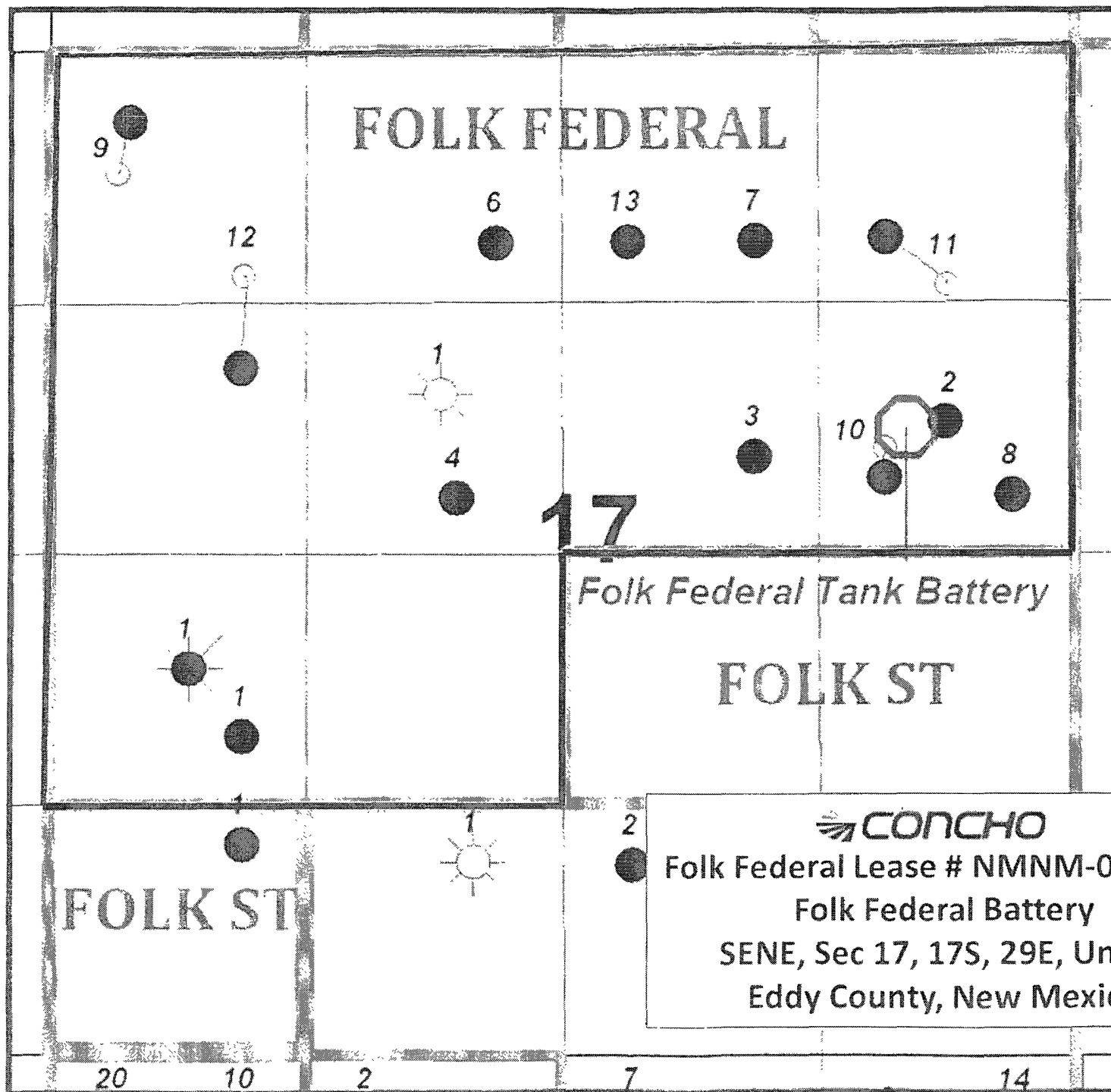
# FOLK FEDERAL TANK BATTERY

Sec 17- T17S - R29E, Unit H

EDDY COUNTY, NM

NMNM0397623





## Affidavit of Fact

STATE OF TEXAS                   §

COUNTY OF MIDLAND           §

Affiant on Oath swears that the following statements are true:

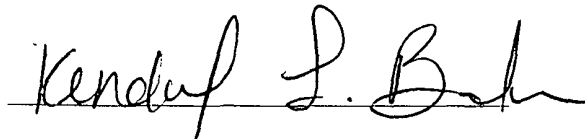
My name is Stuart Dirks. I am Senior Landman for COG Operating LLC. I am familiar with the ownership of the Folk Federal No. 1 (API 30-015-35727), Folk Federal No. 2 (API 30-015-20198), Folk Federal No. 3 (API 30-015-27295), Folk Federal No. 4 (API 30-015-35728), Folk Federal No. 6 (API 30-015-36172), Folk Federal No. 7 (API 30-015-36171), Folk Federal No. 8 (API 30-015-36170), Folk Federal No. 9 (API 30-015-36169), Folk Federal No. 10 (API 30-015-36862), Folk Federal No. 11 (API 30-015-36890), Folk Federal No. 12 (API 30-015-36864), and Folk Federal No. 13 (API 30-015-36863), all of which are situated in Section 17, Township 17 South, Range 29 East, Eddy County, New Mexico. I hereby confirm that the working interests and royalty interests in these wells are common.

Affiant



Stuart A. Dirks

SUBSCRIBED AND SWORN TO before me on the 26<sup>th</sup> day of May, 2010.

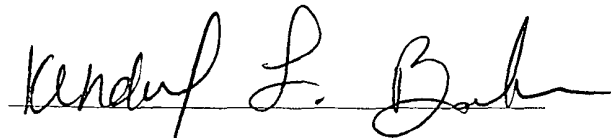
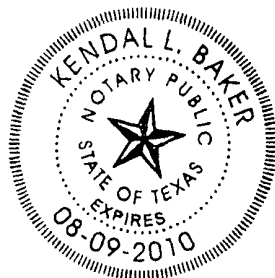


Notary Public, State of Texas

STATE OF TEXAS                   §

COUNTY OF MIDLAND           §

This instrument was acknowledged before me on this 26<sup>th</sup> day of May, 2010, by Stuart A. Dirks,  
Notary Public for the State of Texas.



Notary Public, State of Texas

DISTRICT I  
1625 N. FRENCH DR., HOBBBS, NM 88240

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

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35727	Pool Code 96610	Pool Name Empire Yeso, East
Property Code 302495	Property Name FOLK FEDERAL	Well Number 1
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3647'

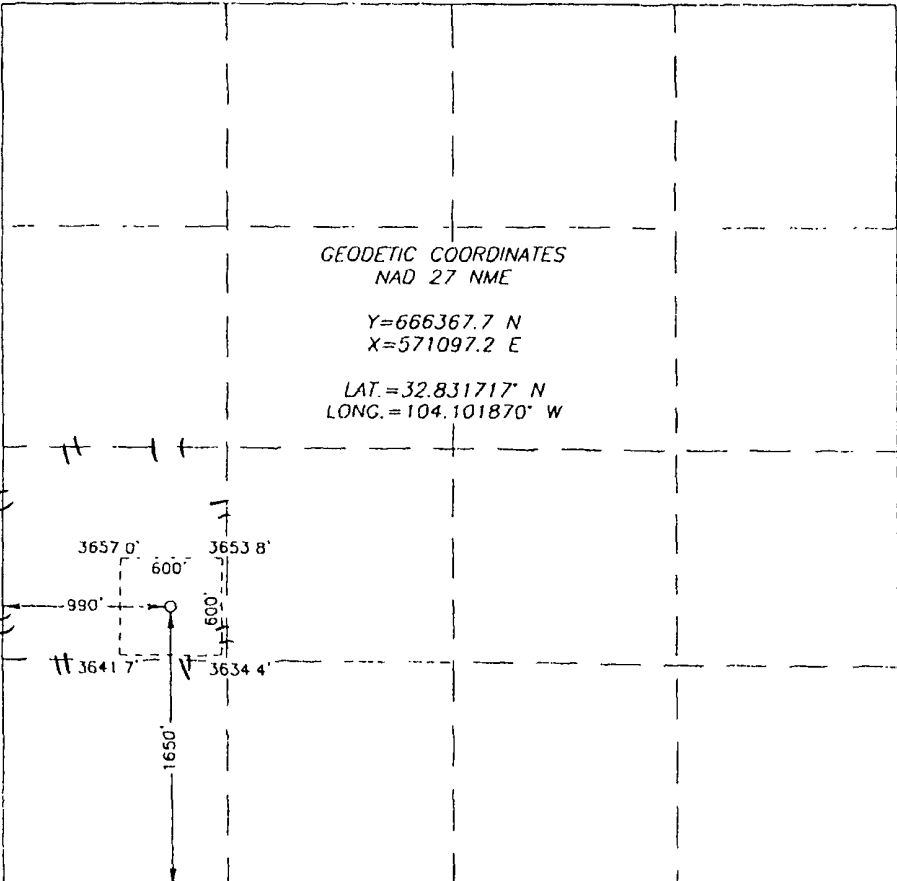
Surface Location

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	17	17-S	29-E		1650	SOUTH	990	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	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>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Kanicia Carrillo</u> Date: <u>5/27/10</u></p> <p>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>Date Surveyed: <u>MAY 25, 2010</u> JR</p> <p>Signature &amp; Seal of Professional Surveyor: <u>GARY EIDSON</u></p> <p>Certificate No. GARY EIDSON 12841</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 &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-20198</b>		<sup>2</sup> Pool Code <b>28509</b>	<sup>3</sup> Pool Name <b>Grayburg Jackson SR; Queen Grayburg SA</b>
<sup>4</sup> Property Code <b>302495</b>	<sup>5</sup> Property Name <b>Folk Federal</b>		<sup>6</sup> Well Number <b>2</b>
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING LLC</b>		<sup>9</sup> Elevation <b>3596.1</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>H</b>	<b>17</b>	<b>17S</b>	<b>29E</b>		<b>1980</b>	<b>North</b>	<b>660</b>	<b>East</b>	<b>Eddy</b>

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 5/25/10 Date	
	<sup>18</sup> 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> Date of Survey Signature and Seal of Professional Surveyor	
	Certificate Number	

**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 &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-27295		<sup>2</sup> Pool Code 28509	<sup>3</sup> Pool Name Grayburg Jackson SR; Queen Grayburg SA
<sup>4</sup> Property Code 302495	<sup>5</sup> Property Name Folk Federal		<sup>6</sup> Well Number 3
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG OPERATING LLC		<sup>9</sup> Elevation 3611.9

<sup>10</sup> Surface Location

UL or lot no. G	Section 17	Township 17S	Range 29E	Lot Idn	Feet from the 2160	North/South line North	Feet from the 1650	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 5/25/10 Date
	<sup>18</sup> 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>
	Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number

DISTRICT I  
1620 N FRENCH DR., BOBBS, NM 86240

DISTRICT II  
1301 W GRAND AVENUE, ARTESIA, NM 86210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35728	Pool Code 96610	Pool Name Empire Glorieta Yeso, East
Property Code	Property Name FOLK FEDERAL	Well Number 4
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3634'

Surface Location

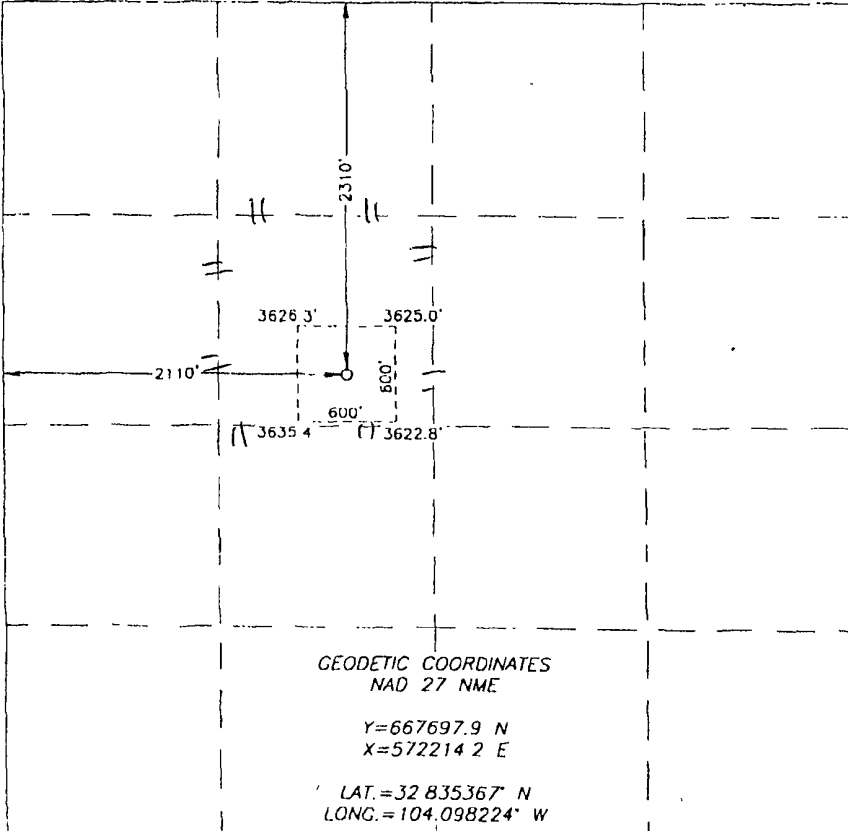
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	17	17-S	29-E		2310	NORTH	2110	WEST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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>GEODETIC COORDINATES NAD 27 NME Y=667697.9 N X=572214.2 E LAT.=32 835367" N LONG.=104.098224" W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>K. Carrillo</i> 5/27/10 Signature Date Karinia 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>MAY 25 10 00 AM '10 Date Surveyed Signature Professional Surveyor 12641 6/4/07 07.11.0670 Certificate No. CARY EDSON 12641</p>
--	--

State of New Mexico

DISTRICT I

1625 N. FRANK DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

DISTRICT II

1301 W. GRAND AVENUE, ALBUQUERQUE, NM 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015- <b>36747</b>	Pool Code 96610	Pool Name EMPIRE; YESO, EAST
Property Code 302495	Property Name FOLK FEDERAL	Well Number 5
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3655'

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	17	17-S	29-E		1250	NORTH	330	WEST	EDDY

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
E	17	17-S	29-E		1650	NORTH	330	WEST	EDDY
Dedicated Acres 40	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>DETAIL</b></p> <p>3655 6' 3643 9'</p> <p>500'</p> <p>600'</p> <p>3673 6' 3659 8'</p> <p>SEE DETAIL</p> <p>GRID AZ = 179°53'25"</p> <p>HORZ DIST = 400 0'</p> <p>SL</p> <p>330'</p> <p>BH</p> <p>330'</p> <p>1250'</p> <p>1650'</p> <p><b>BOTTOM HOLE LOCATION</b></p> <p>Y=668354.9 N</p> <p>X=570433.2 E</p> <p><b>GEODETIC COORDINATES</b></p> <p>NAD 27 NME</p> <p>SURFACE LOCATION</p> <p>Y=668755.3 N</p> <p>X=570432.5 E</p> <p>LAT = 32 838284" N</p> <p>LONG = 104 104017" W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Phyllis A. Edwards</i> 5-13-08 Signature Date</p> <p>Phyllis A. Edwards Printed Name</p> <p>Regulatory Analyst</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>MARY G. EIDSON MAR 14 2008 Date Surveyed Signature: <i>Mary G. Eidson</i> 3/27/08 Professional Surveyor Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
--	--

DISTRICT I  
1828 N. FRANCH DR., BOBBE, NM 88240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III  
1000 Rio Bratos 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

OCT 05 2009

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36172	Pool Code 96610	Pool Name EMPIRE; YESO, EAST
Property Code 302495	Property Name FOLK FED	Well Number 6
OGRID No 229137	Operator Name COG OPERATING, LLC	Elevation 3616'

Surface Location

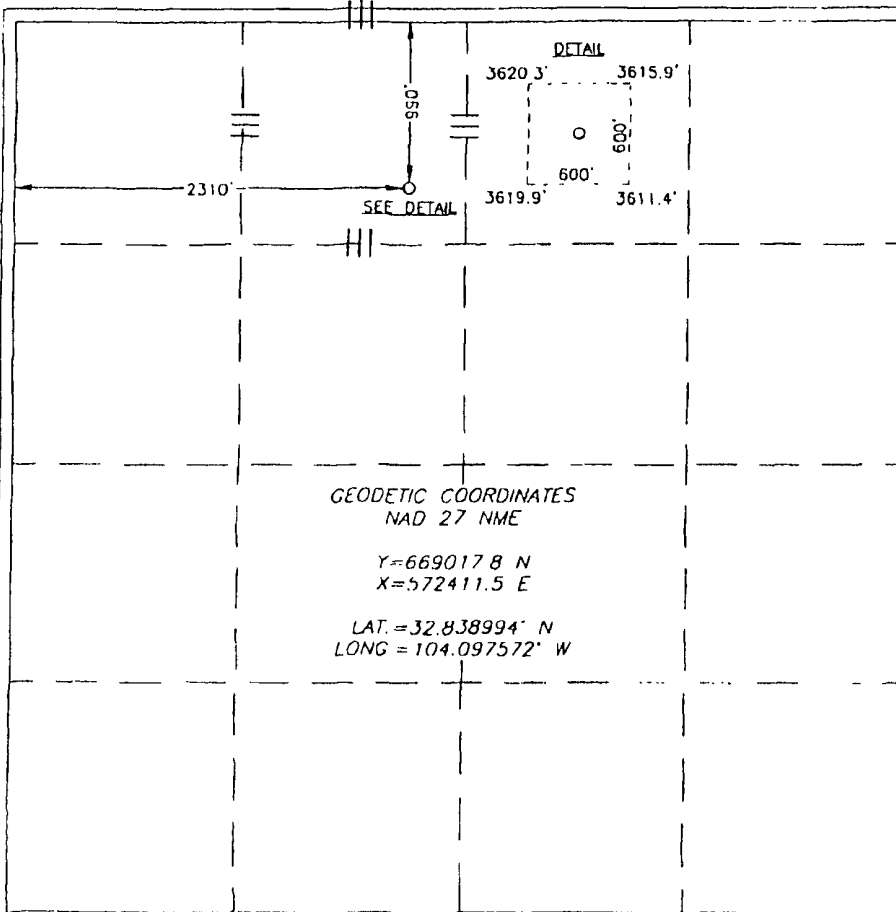
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	17-S	29-E		990	NORTH	2310	WEST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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



OPERATOR CERTIFICATION

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

*Phyllis A. Edwards* 11-9-07  
Signature Date

Phyllis A. Edwards  
Printed Name

Regulatory Analyst

SURVEYOR CERTIFICATION

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

OCTOBER 9, 2007  
Date Surveyed  
Signature & Seal of Professional Surveyor  
Professional Surveyor  
Certificate No. 12641  
ROBERT J. EIDSON 1239

DISTRICT I  
1825 N. FRANCH DR., HOUSTON, TX 77060

DISTRICT II  
1301 W. GRAND AVENUE, ALBUQUERQUE, NM 87102

DISTRICT III  
1000 Rio Grande 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36171	Pool Code 96610	Pool Name EMPIRE; GLORIETA-YESO
Property Code 302495	Property Name FOLK FED	Well Number 7
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3607'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	17	17-S	29-E		990	NORTH	1650	EAST	EDDY

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

Dedicated Acres 4.0	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>DETAIL</p> <p>3614.8'</p> <p>3612.2'</p> <p>3606.9'</p> <p>3607.0'</p> <p>600'</p> <p>990'</p> <p>1650'</p> <p>SEE DETAIL</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Chasity Jackson</i> 07/30/09 Signature Date</p> <p>Chasity Jackson Printed Name</p>
<p><b>GEODETIC COORDINATES</b> NAD 77 NME</p> <p>Y=669019.2 N X=573739.3 E</p> <p>LAT.=32.838989° N LONG.=104.093249° W</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>OCTOBER 8, 2007</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Ronald J. Eidson</i> 11/07/07 07.11.1376</p> <p>Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3238</p>

DISTRICT I  
1626 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36170	Pool Code 96610	Pool Name Empire; Glorieta-Yeso, East
Property Code 302495	Property Name FOLK FED	Well Number 8
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3593'

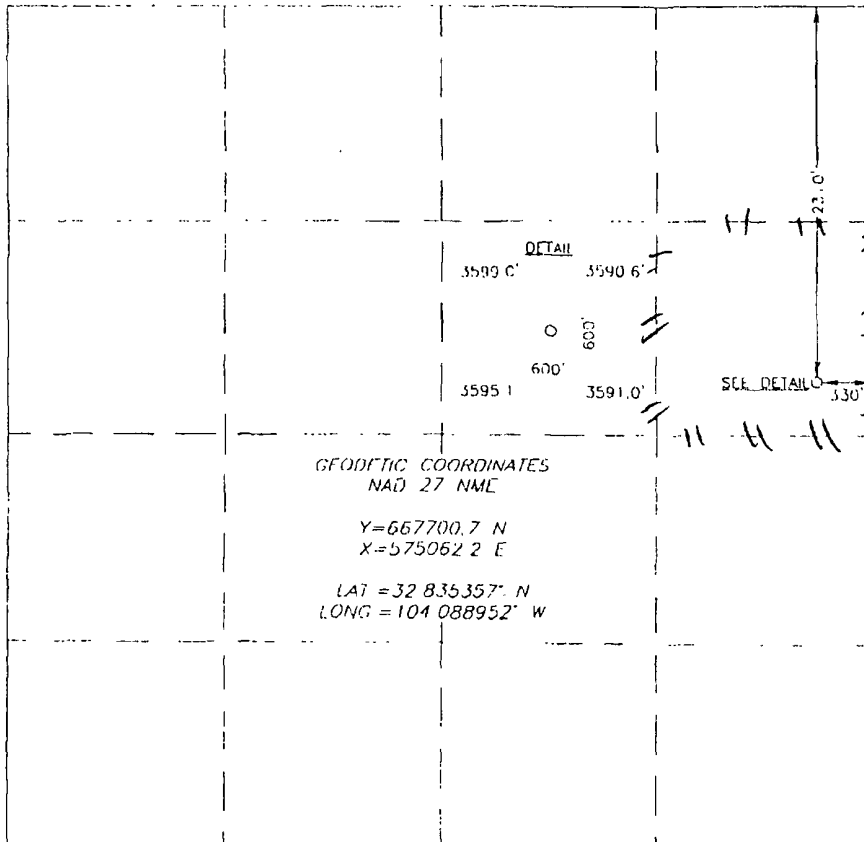
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	17-S	29-E		2.510	NORTH	3.30	EAST	EDDY

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
Dedicated Acres 40	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>GEODETIC COORDINATES NAD 27 NMC Y=667700.7 N X=575062.2 E LAT = 32 835357" N LONG = 104 088952" W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Kanicia Carrillo</i> 04/21/09 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>OCTOBER 8, 2007 Date Surveyed AR Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 11/12/07 07 1377 Certificate No GARY EIDSON 12641 RONALD J. EIDSON 3230</p>
--	--

DISTRICT I  
1825 N. FRENCH DR., HOBBBS, 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36169	Pool Code 96610	Pool Name EMPIRE; YESO
Property Code 302495	Property Name FOLK FED	Well Number 9
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3644'

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	17	17-S	29-E		630	NORTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	17-S	29-E		374	NORTH	277	WEST	EDDY

Dedicated Acres 40	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 herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature: <u>Chasity Jackson</u> Date: <u>11/11/09</u> Printed Name: <u>Chasity Jackson</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>  OCTOBER 30, 2007 Date Surveyed: <u>REV 11/08/07</u> AR Signature & Seal of Professional Surveyor  07.11 1378 Certificate No. <u>GARY EIDSON 12541</u> <u>RONALD J. EIDSON 3239</u>



RM

DISTRICT I  
1625 N. FRANCH DR., BOBBS, NM 86240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 86210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36862	Pool Code 96610	Pool Name Empire; Glorieta Yeso
Property Code 302495	Property Name FOLK FEDERAL	Well Number 10
OCRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3602'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	17-S	29-E		2065	NORTH	990	EAST	EDDY

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	17	17-S	29-E		2216	NORTH	988	EAST	EDDY
Dedicated Acres 40	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>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Chasity Jackson</i> 8-14-08 Signature Date Chasity Jackson 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>RONALD J. EIDSON OCTOBER 17 2008 Date Surveyed REV. 10/23/08 JC Signature &amp; Seal of Professional Surveyor RONALD J. EIDSON Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
--	---

1426 N. FRENCH DR., HUNTER, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

FOR LEADS - 3 Copies

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1890 S. ST. FRANCIS DR., SANTA FE, NM 87503

## WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-36890	Pool Code 96610	Pool Name Empire; Yeso
Property Code 302495	Property Name FOLK FEDERAL	Well Number 11
OCRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3603'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	17-S	29-E		1220	NORTH	660	EAST	EDDY

## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	17	17-S	29-E		977	NORTH	984	EAST	EDDY

Dedicated Acres 40	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

	<h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p style="text-align: center;"> <span style="font-size: 1.5em; vertical-align: middle;">1.4.10</span> </p> <p>             Signature _____ Date _____              Chasity Jackson              Printed Name _____         </p>
<p style="text-align: center;"> <b>GEODETIC COORDINATES</b>              NAD 27 NME              SURFACE LOCATION                Y=668790.2 N              X=574729.5 E                LAT.=32.838353° N              LONG.=104.090027° W    <b>BOTTOM HOLE LOCATION</b>                Y=669019.8 N              X=574399.1 E         </p>	<h3 style="text-align: center;">SURVEYOR CERTIFICATION</h3> <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> <div style="text-align: center;"> </div> <p>             Date Surveyed: _____ REV. to: _____ JC              Signature &amp; Seal of Professional Surveyor: _____    </p>

DISTRICT I  
1026 N. FRANKLIN DR., DOBBS, NM 86240

DISTRICT II  
1301 S. GRAND AVENUE, ALBUQUERQUE, NM 86210

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

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87506

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36864	Pool Code 96610	Pool Name EMPIRE; GLORIETA YESO, EAST
Property Code 302495	Property Name FOLK FEDERAL	Well Number 12
OGRID No. 221937	Operator Name COG OPERATING, LLC	Elevation 3642'

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	17	17-S	29-E		1160	NORTH	990	WEST	EDDY

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
E	17	17-S	29-E	1634		NORTH	980	WEST	EDDY
Dedicated Acres 40	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>SEE DETAIL</p> <p>GRID AZ. = 179°52'52" HORZ. DIST = 490.0'</p> <p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=668845.9 N X=571092.1 E LAT.=32 838529" N LONG.=104.101869" W BOTTOM HOLE LOCATION Y=668356.0 N X=571093.1 E</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Chasity Jackson</i> 09/30/09 Signature Date Chasity Jackson 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><i>Ronald J. Eidson</i> 10/23/09 JC Date Surveyed Signature &amp; Seal of Professional Surveyor 10/23/09 425</p> <p>Certificate No. GARY EIDSON 12041 RONALD J. EIDSON 3239</p>
---	--

# State of New Mexico

## DISTRICT I

1625 N. FRENCH DR., HOBBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Revised October 12, 2005  
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36863	Pool Code 96610	Pool Name Empire; Glorieta Yeso, East
Property Code 302495	Property Name FOLK FEDERAL	Well Number 13
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3612'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	17	17-S	29-E		990	NORTH	2310	EAST	EDDY

### 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
Dedicated Acres 40	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>3616.4'</p> <p>3613.4'</p> <p>2310'</p> <p>3612.5'</p> <p>3607.5'</p> <p>600'</p> <p>990'</p>	<h3>OPERATOR CERTIFICATION</h3> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</p> <p><i>K.C.</i> 4/30/10 Signature Date Kanicia Carrillo Printed Name</p>
	<h3>SURVEYOR CERTIFICATION</h3> <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>OCTOBER 17, 2008 Date Surveyed Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 10/24/08</p>
	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=669018.8 N X=573079.4 E</p> <p>LAT = 32 838992" N LONG. = 104 095397" W</p>
	<p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>

DISTRICT I  
1525 N. FRENCH DR., ROBBS, NM 88240

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

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-015-37246</b>	Pool Code <b>96610</b>	Pool Name <b>EMPIRE; GLORIETA YESO, EAST</b>
Property Code <b>302495</b>	Property Name <b>FOLK FEDERAL</b>	Well Number <b>36</b>
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Elevation <b>3633'</b>

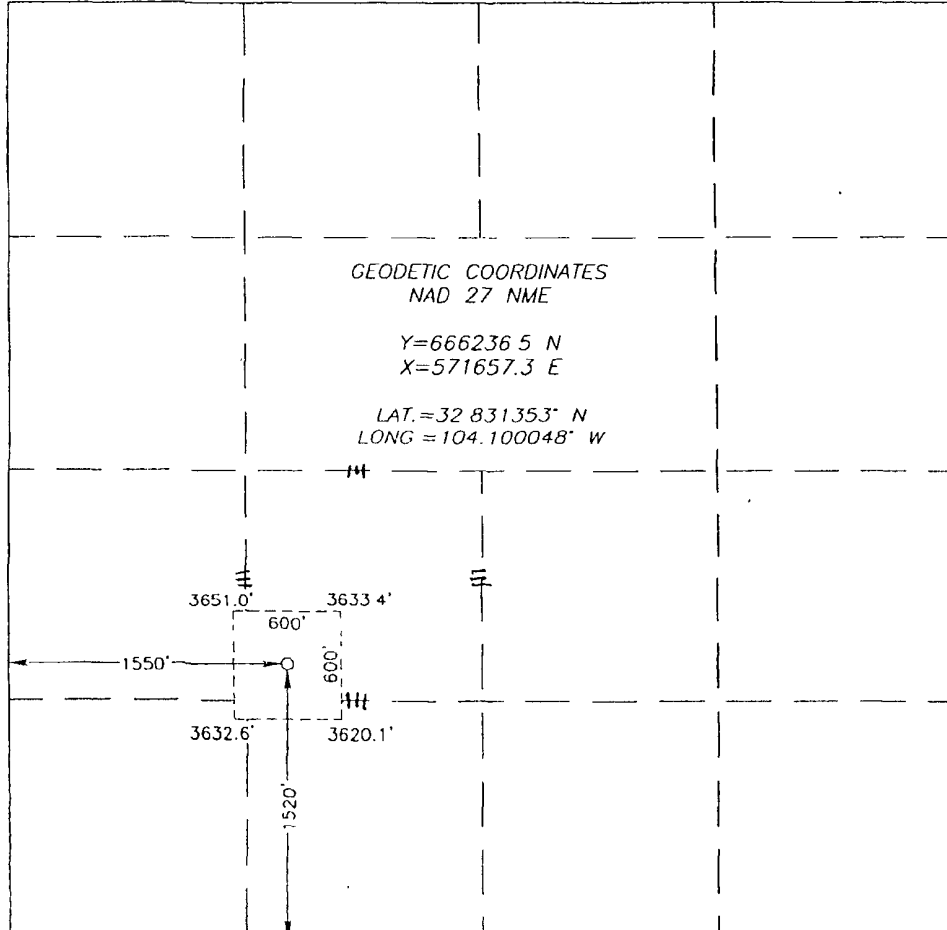
Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	17	17-S	29-E		1520	SOUTH	1550	WEST	EDDY

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
Dedicated Acres <b>40</b>		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>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Phyllis A. Edwards</i> 7/16/09 Signature Date</p> <p><b>PHYLLIS A. EDWARDS</b> Printed Name</p> <p><b>REGULATORY ANALYST</b></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><i>Ronald J. Eidson</i> Signature</p> <p><b>RONALD J. EIDSON</b> Printed Name</p> <p><b>DATE SURVEYED: JUNE 03, 2009</b></p>
	<p>Certificate No. <b>GARY EIDSON</b> 12841 <b>RONALD J. EIDSON</b> 3239</p>

## State of New Mexico

Energy, Minerals and Natural Resources Department

## DISTRICT I

1625 N. FRENCH DR., HOUBBS, NM 88240

## DISTRICT II

1301 W. GRAND AVENUE, ARTESTA, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

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

## 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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015- 37516	Pool Code 96610	Pool Name EMPIRE; GLORIETA-YESO, EAST
Property Code 302495	Property Name FOLK FEDERAL	Well Number 38
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3619'

## Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	17	17-S	29-E		1500	SOUTH	2310	WEST	EDDY

## 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
Dedicated Acres 40	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>GEODETTIC COORDINATES NAD 27 NME</p> <p>Y=666214.6 N X=572417.1 E</p> <p>LAT = 32.831288° N LONG. = 104.097574° W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</p> <p><i>Robyn Odom</i> 8/24/2009 Signature Date Robyn Odom 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><i>Ronald J. Eidson</i> Date Surveyed Signature &amp; Seal Professional Surveyor</p>
	<p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>

## State of New Mexico

Energy, Minerals and Natural Resources Department

## 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

## 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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015- <b>37413</b>	Pool Code 96610	Pool Name EMPIRE; GLORIETA-YESO, EAST ✓
Property Code 302495	Property Name FOLK FEDERAL	Well Number 41
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3660'

## 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	17	17-S	29-E		2540	SOUTH	400	WEST	EDDY

## 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
L	17	17-S	29-E		2310	SOUTH	330	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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>SEE DETAIL</p> <p>400' S.L.</p> <p>330' B.H.</p> <p>GRID AZ - 196°49'50"</p> <p>HORZ DIST - 240.2'</p> <p>2310'</p> <p>2540'</p> <p>3665.4'</p> <p>3660.6'</p> <p>600'</p> <p>3650.3'</p> <p>3661.2'</p>	<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667258.9 N X=570505.5 E</p> <p>LAT = 32.834170° N LONG = 104.103790° W</p> <p>BOTTOM HOLE LOCATION Y=667029.0 N X=570436.0 E</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 11/11/2009 Signature Date Robyn Odum 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>RONALD J. EIDSON NOVEMBER 3, 2009 Date Surveyed LA</p> <p><i>[Signature]</i> Signature &amp; Seal Professional Surveyor</p> <p>09-11-0967 110909</p>	
	<p>Certificate No. GARY RIDSON 12641 RONALD J. EIDSON 3239</p>	

COG Operating, LLC is requesting approval for surface commingling from the following formation(s) and well(s)

Federal Lease No NMNM0397623

<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>
Folk Federal #1	3001535727	SENW, Sec 17, T17S, R29E, Unit L	Empire, Glorieta-Yeso, East, 96610	17	39.4	62	1547
Folk Federal #2	3001520198	SENE, Sec 17, T17S, R29E, Unit H	Grayburg Jackson,SR-Q-G-SA, 28509	2	38.4	5	1497
Folk Federal #3	3001527295	SWNE, Sec 17, T17S, R29E, Unit G	Grayburg Jackson,SR-Q-G-SA, 28509	10	38 0	4	1497
Folk Federal #4	3001535728	SENW, Sec 17, T17S, R29E, Unit F	Empire, Glorieta-Yeso, East, 96610	5	39.4	12	1547
Folk Federal #6	3001536172	NENW, Sec 17, T17S, R29E, Unit C	Empire, Glorieta-Yeso, East, 96610	85	39.4	81	1547
Folk Federal #7	3001536171	NWNE, Sec 17, T17S, R29E, Unit B	Empire, Glorieta-Yeso, East, 96610	33	39 4	46	1547
Folk Federal #8	3001536170	SENE, Sec 17, T17S, R29E, Unit H	Empire, Glorieta-Yeso, East, 96610	33	39.4	87	1547
Folk Federal #9	3001536169	NWNW, Sec 17, T17S, R29E, Unit D	Empire, Glorieta-Yeso, East, 96610	41	39.4	57	1547
Folk Federal #10	3001536862	SENE, Sec 17, T17S, R29E, Unit H	Empire, Glorieta-Yeso, East, 96610	38	39.4	54	1547
Folk Federal #11	3001536890	NENE, Sec 17, T17S, R29E, Unit A	Empire; Glorieta-Yeso, East, 96610	58	39 4	73	1547
Folk Federal #12	3001536864	NWNW, Sec 17, T17S, R29E, Unit D	Empire; Glorieta-Yeso, East, 96610	40	39.4	25	1547
Folk Federal #13	3001536863	NWNE, Sec 17, T17S, R29E, Unit B	Empire, Glorieta-Yeso, East, 96610	104	39.4	109	1547

The storage and measuring facility is located at SENE ¼, Sec 17, T 17 S, R 29 E, on Lease No NMNM0397623, Eddy, 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:



**COG Operating, LLC**

Folk Federal Lease# NMNM0397623, Eddy County, New Mexico

Well Name	Location	API Number	Producing pool	Proposed Pool	Test Date	BOPD	Corr Gravity	MCFPD	BTU	BWPD	GOR
<u>Producing wells:</u>											
Folk Federal #1	SENE, Sec 17, T17S, R29E, Unit L	3001535727	Empire, Glorieta-Yeso, East, 96610	Grayburg Jackson, SR-Q-G-SA, 28509	4/10/2010	17	39.4	62	1547	120	3647
Folk Federal #2	SENE, Sec 17, T17S, R29E, Unit H	3001520198	Grayburg Jackson, SR-Q-G-SA, 28509		5/15/2010	2	38.4	5	1479	3	2500
Folk Federal #3	SWNE, Sec 17, T17S, R29E, Unit G	3001527295	Grayburg Jackson, SR-Q-G-SA, 28509		5/15/2010	10	38.0	4	1479	8	400
Folk Federal #4	SENE, Sec 17, T17S, R29E, Unit F	3001535728	Empire, Glorieta-Yeso, East, 96610	Grayburg Jackson, SR-Q-G-SA, 28509	2/3/2010	5	39.4	12	1547	25	2400
Folk Federal #6	NENW, Sec 17, T17S, R29E, Unit C	3001536172	Empire, Glorieta-Yeso, East, 96610		4/8/2010	85	39.4	81	1547	789	953
Folk Federal #7	NWNE, Sec 17, T17S, R29E, Unit B	3001536171	Empire, Glorieta-Yeso, East, 96610		4/14/2010	33	39.4	46	1547	882	1393
Folk Federal #8	SENE, Sec 17, T17S, R29E, Unit H	3001536170	Empire, Glorieta-Yeso, East, 96610		5/16/2010	33	39.4	87	1547	510	2636
Folk Federal #9	NWNW, Sec 17, T17S, R29E, Unit D	3001536169	Empire, Glorieta-Yeso, East, 96610		5/14/2010	41	39.4	57	1547	402	1390
Folk Federal #10	SENE, Sec 17, T17S, R29E, Unit H	3001536862	Empire, Glorieta-Yeso, East, 96610		5/11/2010	38	39.4	54	1547	280	1421
Folk Federal #11	NENE, Sec 17, T17S, R29E, Unit A	3001536890	Empire, Glorieta-Yeso, East, 96610		5/8/2010	58	39.4	73	1547	312	1258
Folk Federal #12	NWNW, Sec 17, T17S, R29E, Unit D	3001536864	Empire, Glorieta-Yeso, East, 96610		5/15/2010	40	39.4	25	1547	520	625
Folk Federal #13	NWNE, Sec 17, T17S, R29E, Unit B	3001536863	Empire, Glorieta-Yeso, East, 96610		5/5/2010	104	39.4	109	1547	1320	1048
<u>Permitted, Not Drilled wells:</u>											
Folk Federal #5	Sec 17, T17S, R29E, Unit D	3001536747		Empire, Glorieta-Yeso, East, 96610							
Folk Federal #36	Sec 17, T17S, R29E, Unit K	3001537246		Empire, Glorieta-Yeso, East, 96610							
Folk Federal #38	Sec 17, T17S, R29E, Unit K	3001537516		Empire, Glorieta-Yeso, East, 96610							
Folk Federal #41	Sec 17, T17S, R29E, Unit L	3001537413		Empire, Glorieta-Yeso, East, 96610							
<u>Waiting on Permit wells:</u>											
Folk Federal #14	Sec 17, T17S, R29E, Unit A			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #17	Sec 17, T17S, R29E, Unit B			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #20	Sec 17, T17S, R29E, Unit C			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #21	Sec 17, T17S, R29E, Unit C			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #24	Sec 17, T17S, R29E, Unit D			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #26	Sec 17, T17S, R29E, Unit E			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #28	Sec 17, T17S, R29E, Unit F			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #29	Sec 17, T17S, R29E, Unit F			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #31	Sec 17, T17S, R29E, Unit G			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #32	Sec 17, T17S, R29E, Unit G			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #33	Sec 17, T17S, R29E, Unit H			Empire, Glorieta-Yeso, East, 96610							
Folk Federal #35	Sec 17, T17S, R29E, Unit K			Empire, Glorieta-Yeso, East, 96610							

## Ezeanyim, Richard, EMNRD

---

**From:** Kanicia Castillo [KCarrillo@conchoresources.com]  
**Sent:** Wednesday, July 21, 2010 11:22 AM  
**To:** Ezeanyim, Richard, EMNRD  
**Subject:** Folk Federal Battery Surface Commingle  
**Attachments:** Folk Federal Battery Commingle C-103.pdf

Hi Richard,

I have attached the C-103 you requested. I will be out of the office the rest of the day. If you need additional information please e-mail me and I will make sure you get it ASAP. (I always check my e-mail and I will have someone get you what you need.)

Thank you,

***Kanicia Castillo***

Regulatory Analyst

COG OPERATING LLC

550 W. Texas Avenue, Suite 100

Midland, Texas 79701

p.432.685.4332

f.432.685.4396



CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.