

DATE IN <b>6-17-10</b>	SUSPENSE	ENGINEER <b>RE</b>	LOGGED IN <b>6-17-10</b>	TYPE <b>PC</b>	PTG <b>6-17</b> APP NO. <b>1016855472</b>
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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**

**12 wells**

**ADMINISTRATIVE APPLICATION CHECKLIST**

*Eddy Co*

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-0397623

RECEIVED OCD  
 JUN 17 A 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

*KC*  
 Signature

REGULATORY ANALYST  
 Title

5/25/10  
 Date

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
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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", is written over the printed name.

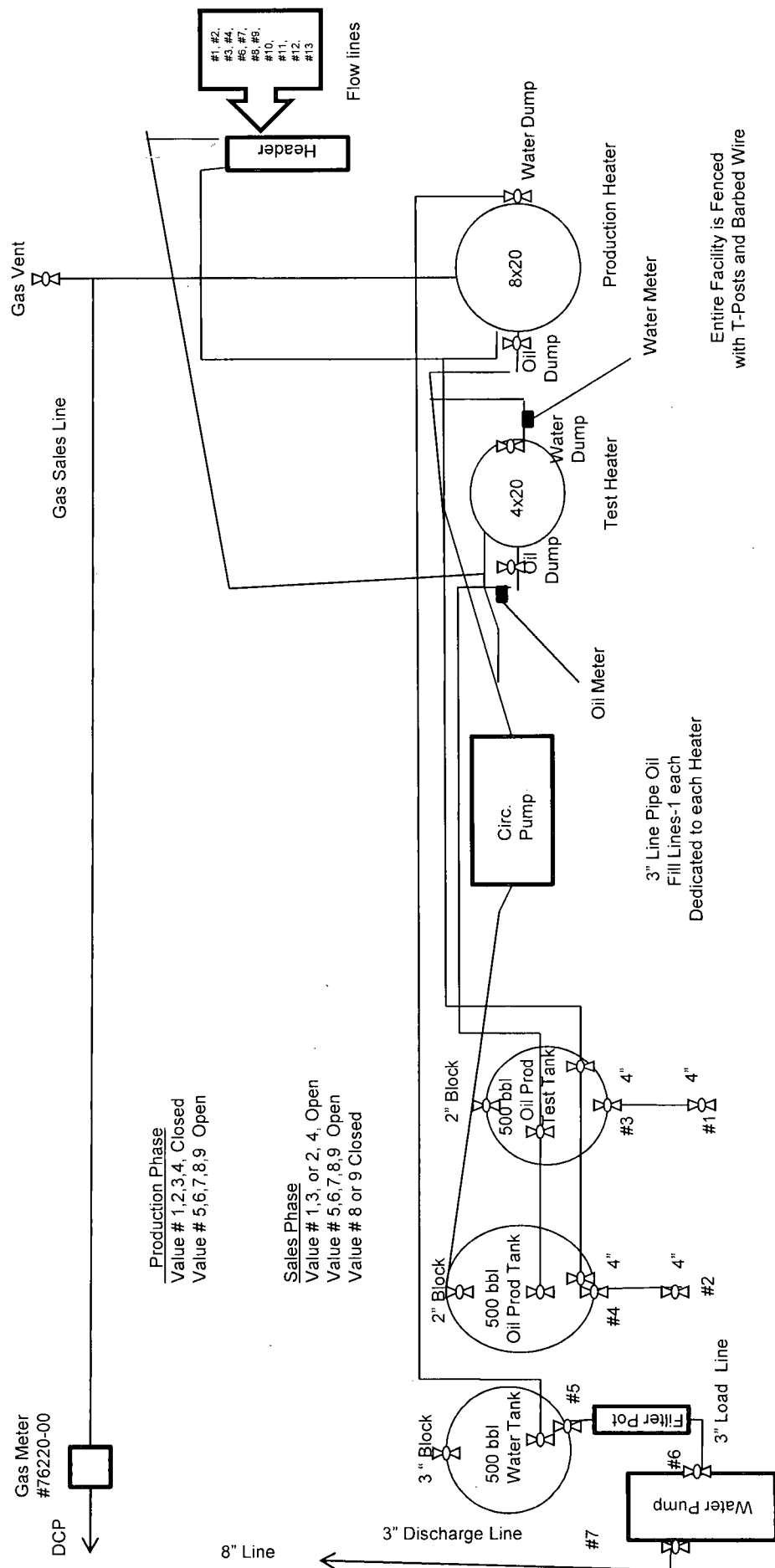
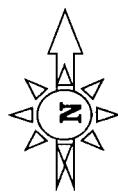
Kanicia Carrillo  
Regulatory Analyst  
[kcarrillo@conchoresources.com](mailto:kcarrillo@conchoresources.com)

# FOLK FEDERAL TANK BATTERY

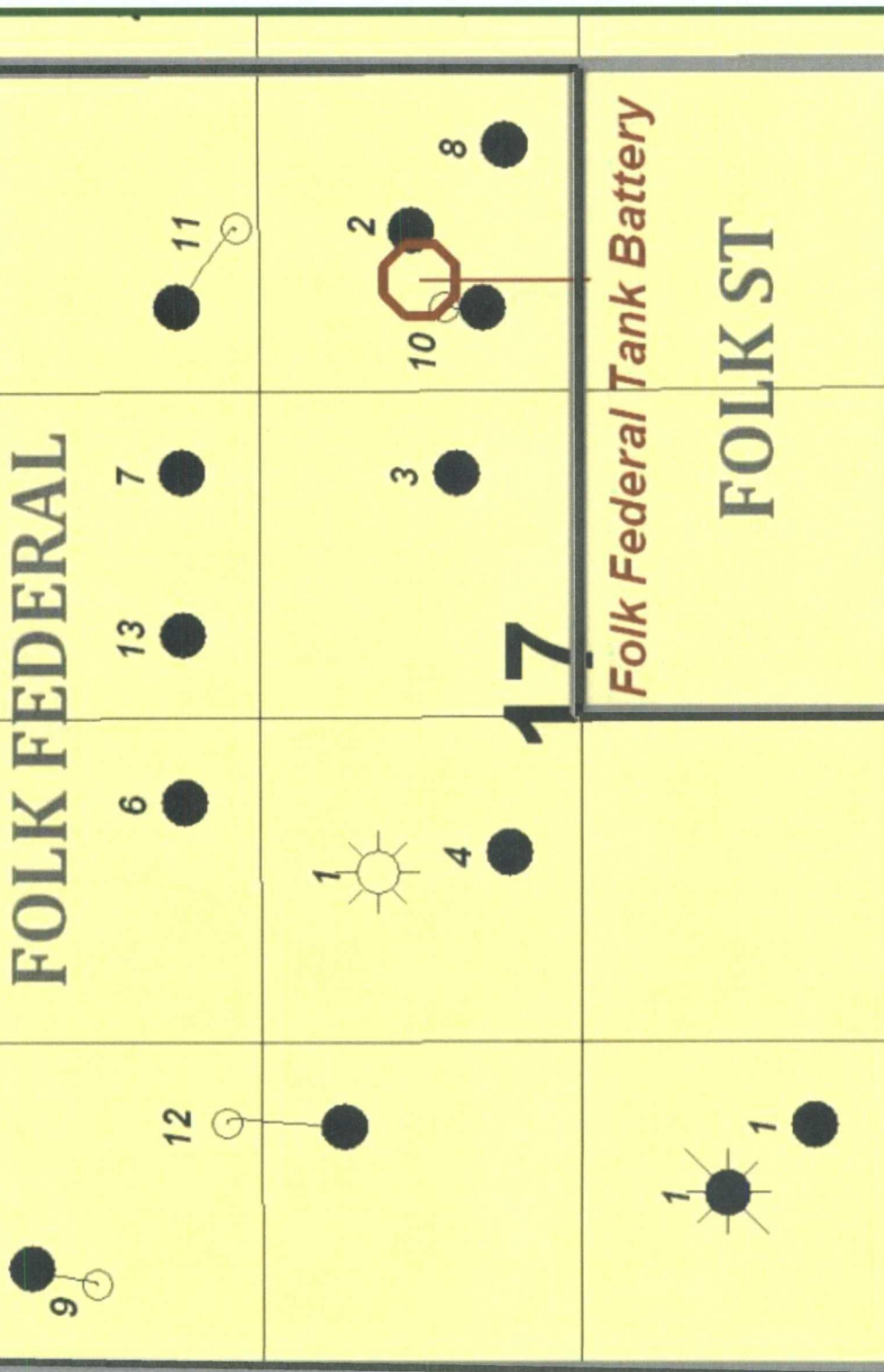
Sec 17- T17S - R29E, Unit H

EDDY COUNTY, NM

NMNM0397623



# FOLK FEDERAL



Folk Federal Lease # NMNM-0397623

Folk Federal Battery

SENE, Sec 17, 17S, 29E, Unit H

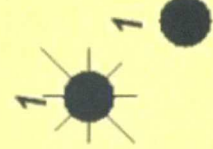
Eddy County, New Mexico

2



1

FOLK ST



1

20

10

2

7

14

**Affidavit of Fact**

STATE OF TEXAS                   §

COUNTY OF MIDLAND           §

Affiant on Oath swears that the following statements are true:

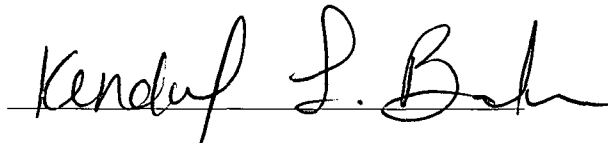
My name is Stuart Dirks. I am Senior Landman for COG Operating LLC. I am familiar with the ownership of the Folk Federal No. 1 (API 30-015-35727), Folk Federal No. 2 (API 30-015-20198), Folk Federal No. 3 (API 30-015-27295), Folk Federal No. 4 (API 30-015-35728), Folk Federal No. 6 (API 30-015-36172), 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.

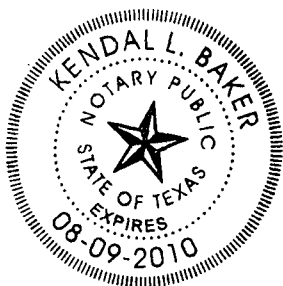


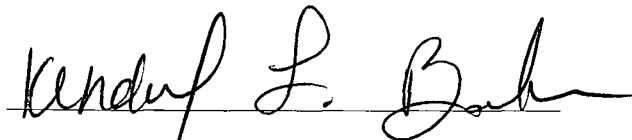
Notary Public, State of Texas

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., ROBBES, 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

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Revised October 12, 2005  
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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'

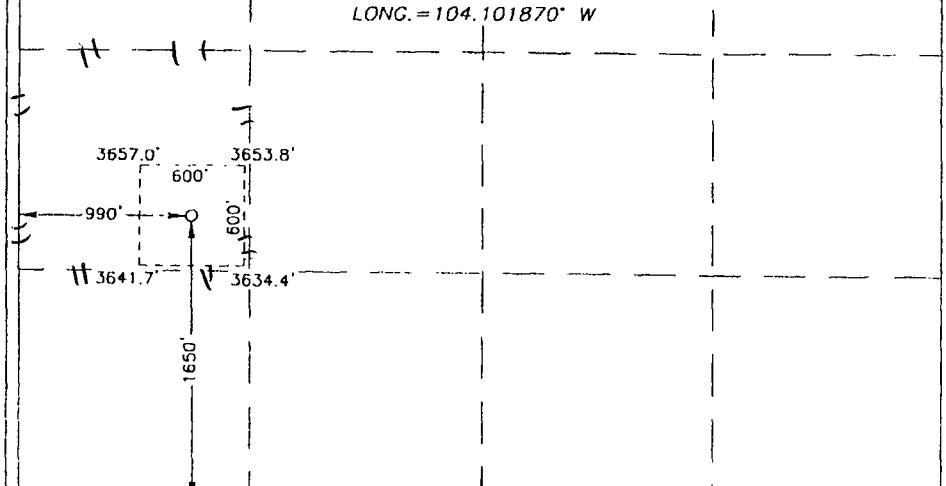
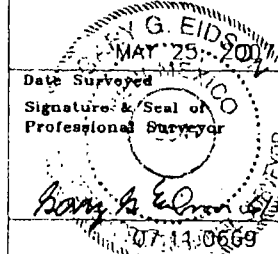
Surface Location

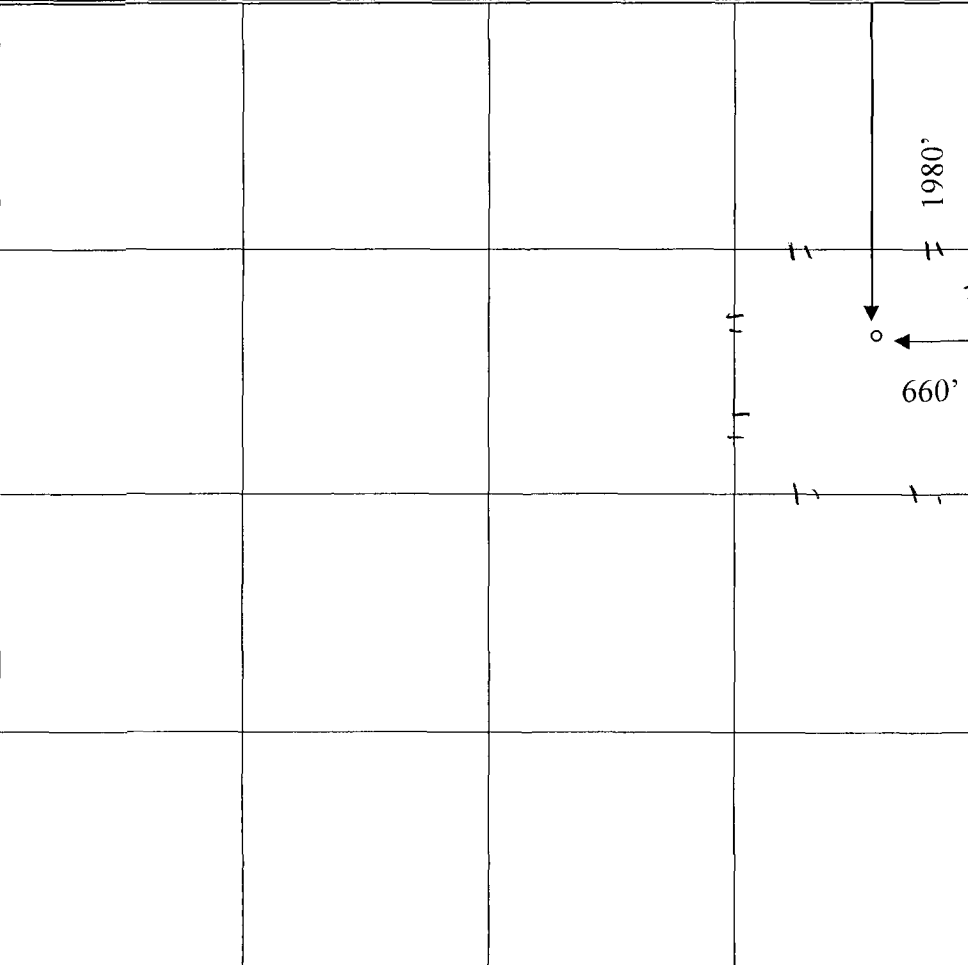
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	17	17-S	29-E		1650	SOUTH	990	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 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 NME  Y=666367.7 N X=571097.2 E  LAT.=32.831717° N LONG.=104.101870° 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><u>K. Carrillo</u> 5/27/10 Signature Date <u>Kanicia Carrillo</u> 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 MAY 25, 2010 JR Signature &amp; Seal of Professional Surveyor <u>Gary G. Eidson</u> 5/24/10 Certificate No. GARY EIDSON 12841</p>
---	--

	<b><sup>17</sup> OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
	Signature <u>K. C.</u>
	Printed Name <u>Kanicia Carrillo</u>
	Title and E-mail Address <u>Regulatory Analyst</u>
	Date <u>5/25/10</u>
	<b><sup>18</sup> 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>
	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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-27295</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>3</b>
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING LLC</b>	<sup>9</sup> Elevation <b>3611.9</b>

<sup>10</sup> Surface Location

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

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

## DISTRICT I

1620 N. FRENCH DR., ROBBES, NM 86340

## 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

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## 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
OCRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3634'

## Surface Location

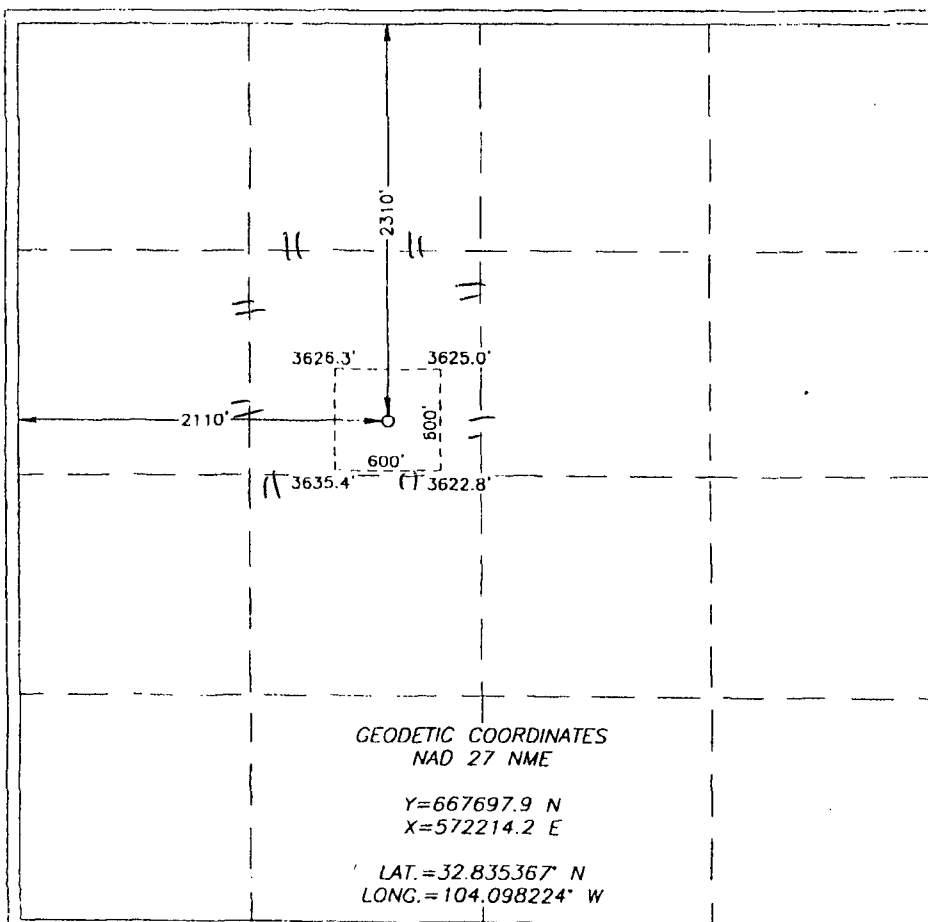
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	17	17-S	29-E		2310	NORTH	2110	WEST	EDDY

## 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 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



## 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.

*K.C.* 5/27/10  
Signature Date  
Kanicia Carrillo  
Printed Name

## 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  
Signature of Professional Surveyor  
Professional Surveyor  
12641  
07.11.0670  
Certificate No. GARY EDSON 12641

## State of New Mexico

## DISTRICT I

1625 N FRENCH DR., BOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

## DISTRICT II

1301 W GRAND AVENUE, ARTESIA, NM 88210

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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- <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.
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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>600'</p> <p>600'</p> <p>3673.6' 3659.8'</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>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>BOTTOM HOLE LOCATION</b></p> <p>Y=668354.9 N</p> <p>X=570433.2 E</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 Date Surveyed MARCH 10, 2008</p> <p>Signature: &amp; Seal of Professional Surveyor REV 5/6/08</p> <p><i>Mary G. Eidson</i> 5/27/08 08.13.07.13</p> <p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>	

DISTRICT I  
1020 N. FRANCH DR., EOBBS, NM 88540

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 87506

State of New Mexico

Energy, Minerals and Natural Resources Department

OCT 05 2009

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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 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>DETAIL</p> <p>3620.3' 3615.9'</p> <p>600'</p> <p>3619.9' 3611.4'</p> <p>2310'</p> <p>990'</p> <p>SEE DETAIL</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=669017.8 N X=572411.5 E</p> <p>LAT.=32.838994° N LONG.=104.097572° 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> 11-9-07 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>OCTOBER 8, 2007 Date Surveyed AR</p> <p>Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 10/11/07</p> <p>Certificate No. 12641 RONALD J. EIDSON 3239</p>
---	---

DISTRICT I  
1825 N. FERNCH DR., MODOBS, NM 86240

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

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Revised October 12, 2005  
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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'

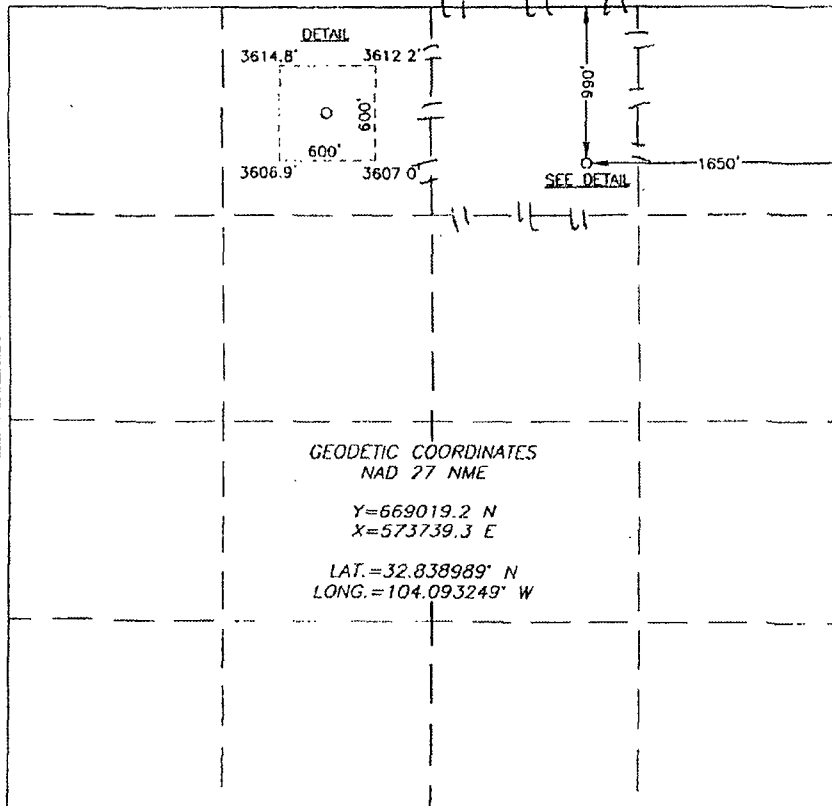
Surface Location

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><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> 07/30/09 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>OCTOBER 8, 2007 Date Surveyed Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 11/07/07 07.11.1376 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3238</p>
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DISTRICT I  
1625 N. FRENCH DR., ROHRB, NM 86240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102

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

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

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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 30-015-36170	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. H	Section 17	Township 17-S	Range 29-E	Lot Idn	Feet from the 2310	North/South line NORTH	Feet from the 330	East/West line EAST	County EDDY
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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 NME Y=667700.7 N X=575062.2 E LAT.=32.835357° N LONG.=104.088952° W</p>	<p>OPERATOR CERTIFICATION</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>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>OCTOBER 8, 2007 Date Surveyed AR Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 11/12/07 07.11.1377</p>
	<p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3230</p>

DISTRICT I  
1825 N. FRENCH DR., HOHNS, 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

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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
GRID 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.
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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><u>Chasity Jackson</u> 11/11/09 Signature Date</p> <p>Chasity Jackson Printed Name</p>
<p><b>GEODETIC COORDINATES</b> NAD 27 NME SURFACE LOCATION Y=669374.6 N X=570431.2 E</p> <p>LAT.=32.839986° N LONG.=104.104017° 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 30, 2007</p> <p>Date Surveyed REV: 11/08/07 AR</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>07.11.1378</p> <p>Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p>

RM

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

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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 30-015-36862		Pool Code 96610	Pool Name Empire; Glorieta Yeso
Property Code 302495	Property Name FOLK FEDERAL		Well Number 10
OGRID 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.
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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>3602.4' 3598.7'</p> <p>S.L.</p> <p>600'</p> <p>600'</p> <p>3604.9' 3596.2'</p> <p>2216'</p> <p>2065'</p> <p>SEE DETAIL</p> <p>S.L.</p> <p>B.H.</p> <p>990'</p> <p>180'</p> <p>GRID AZ. = 179°51'22"</p> <p>HORZ. DIST. = 145.0'</p> <p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667945.0 N X=574401.7 E LAT.=32.836032° N LONG.=104.091100° W BOTTOM HOLE LOCATION Y=667800.1 N X=574402.1 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 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</p> <p>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 Signature &amp; Seal of Professional Surveyor RONALD J. EIDSON 10/23/08 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 58240

DISTRICT II  
1301 W. GRAND AVENUE, ALBUQUERQUE, 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

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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
GRID 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 Idn	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

	<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> 1.4.10 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. 10/13/08 JC Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 10/23/08 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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## DISTRICT I

1026 N. FRANKLIN DR., DOBBS, NM 88240

## DISTRICT II

1301 W. GRAND AVENUE, ARTEAGA, NM 86210

## DISTRICT III

1000 Rio Brezous 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

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Santa Fe, New Mexico 87505

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## 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		1134	NORTH	980	WEST	EDDY
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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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> 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>RONALD J. EIDSON OCTOBER 17, 2008 Date Surveyed REV. 10/23/08 JC Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 10/23/08 108.11.1425 Certificate No. GARY EIDSON 12041 RONALD J. EIDSON 3239</p>
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# State of New Mexico

## DISTRICT I

1625 N. FRENCH DR., HOBBS, 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

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## 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>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>	<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>RONALD J. EIDSON OCTOBER 17, 2008 Date Surveyed Signature &amp; Seal of Professional Surveyor RONALD J. EIDSON Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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GEODETIC COORDINATES  
NAD 27 NME

Y=666236.5 N  
X=571657.3 E

LAT.=32.831353° N  
LONG.=104.100048° W

1550'

3651.0'

600'

3633.4'

600'

3632.6'

3620.1'

1520'

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 7/16/09  
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.

RONALD J. EIDSON  
JUNE 03 2009  
NEW MEXICO  
Date Surveyed

Signature & Seal of Professional Surveyor

Ronald J. Eidson 7/5/09  
3239

Certificate No. GARY EIDSON 12841  
RONALD J. EIDSON 3239

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

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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	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</p> <p>Y=666214.6 N X=572417.1 E</p> <p>LAT.=32.831288° N LONG.=104.097574° W</p> <p>3628.0' 3618.3' 600' 2310' 3617.9' 3609.2' 1500'</p>	<p>OPERATOR CERTIFICATION</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>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>RONALD J. EIDSON NEW MEXICO Date Surveyed 8/24/09 Signature &amp; Seal Professional Surveyor Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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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  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37413	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>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>GRID. AZ. = 196°49'50" HORZ. DIST. = 240.2'</p> <p>DETAIL</p> <p>3665.4' 3660.6'</p> <p>3650.3' 3661.2'</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>Signature: <i>Robyn Odom</i> Date: 11/11/2009 Printed Name: Robyn Odom</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: NOVEMBER 5, 2009 Signature &amp; Seal: <i>Ronald J. Eidson</i> Professional Surveyor</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	SENV, 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	SENV, 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
<b>Producing wells:</b>											
Folk Federal #1	SENV, Sec 17, T17S, R29E, Unit L	3001535727	Empire; Giorieta-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	SENV, Sec 17, T17S, R29E, Unit F	3001535728	Empire; Giorieta-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; Giorieta-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; Giorieta-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; Giorieta-Yeso, East, 96610		5/16/2010	33	39.4	87	1547	510	2636
Folk Federal #9	NWNV, Sec 17, T17S, R29E, Unit D	3001536169	Empire; Giorieta-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; Giorieta-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; Giorieta-Yeso, East, 96610		5/8/2010	58	39.4	73	1547	312	1258
Folk Federal #12	NWNV, Sec 17, T17S, R29E, Unit D	3001536864	Empire; Giorieta-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; Giorieta-Yeso, East, 96610		5/5/2010	104	39.4	109	1547	1320	1048
<b>Permitted, Not Drilled wells:</b>											
Folk Federal #5	Sec 17, T17S, R29E, Unit D	3001536747	Empire; Giorieta-Yeso, East, 96610								
Folk Federal #36	Sec 17, T17S, R29E, Unit K	3001537246	Empire; Giorieta-Yeso, East, 96610								
Folk Federal #38	Sec 17, T17S, R29E, Unit K	3001537516	Empire; Giorieta-Yeso, East, 96610								
Folk Federal #41	Sec 17, T17S, R29E, Unit L	3001537413	Empire; Giorieta-Yeso, East, 96610								
<b>Waiting on Permit wells:</b>											
Folk Federal #14	Sec 17, T17S, R29E, Unit A		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #17	Sec 17, T17S, R29E, Unit B		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #20	Sec 17, T17S, R29E, Unit C		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #21	Sec 17, T17S, R29E, Unit C		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #24	Sec 17, T17S, R29E, Unit D		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #26	Sec 17, T17S, R29E, Unit E		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #28	Sec 17, T17S, R29E, Unit F		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #29	Sec 17, T17S, R29E, Unit F		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #31	Sec 17, T17S, R29E, Unit G		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #32	Sec 17, T17S, R29E, Unit G		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #33	Sec 17, T17S, R29E, Unit H		Empire; Giorieta-Yeso, East, 96610								
Folk Federal #35	Sec 17, T17S, R29E, Unit K		Empire; Giorieta-Yeso, East, 96610								



## Ezeanyim, Richard, EMNRD

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**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

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