



March 8, 2015

New Mexico Oil Conservation Division  
Michael McMillan  
1220 S St. Francis Drive  
Santa Fe, New Mexico 87505

RECEIVED OGD

2015 APR 10 A 8:31

**RE: Request for Surface Commingle and Off Lease Measurement of Gas**

Mr. McMillan,

COG Operating LLC respectfully requests approval for Surface Commingle on our Parliament 1 Federal Com #4H Central Tank Battery.

Parliament 1 Federal Com #13H  
Eddy County, NM  
1476' FNL & 257' FWL  
Sec. 6, T17S, R30E, Lot 5  
Empire;Glorieta-Yeso, East 96610  
API# 30-015-41817

Parliament 1 Federal Com #4H  
Eddy County, NM  
2310' FNL & 150' FEL  
Sec. 1, T17S, R29E, Unit H  
Empire;Glorieta-Yeso, East 96610  
API# 30-015-42647

Munds 1 Federal Com #21H  
Eddy County, NM  
310' FNL & 190' FEL  
Sec. 1, T17S, R29E, Lot 1  
Empire;Glorieta-Yeso, East 96610  
API# 30-015-41564

Munds 1 Federal Com #12H  
Eddy County, NM  
890' FNL & 295' FEL  
Sec. 1, T17S, R29E, Lot 1  
Empire;Glorieta-Yeso, East 96610  
API# 30-015-41565

Consolidating our battery facilities will extend the economic life for these wells and lessen surface disturbance. Three of these wells will have their own test separators and the fourth well will allocate using the subtraction method. Commingling will not reduce the value of production.

We are also requesting off lease sales of our gas for this battery. We are waiting for DCP to run a line to our facility. Until then, we will run our own line to the Twelve Pack facility and tie into the DCP line there. We are currently flaring gas at this location.

I have attached 6 months of production data on the well that is currently producing, a diagram of the battery facility, a map showing the well locations, and the location of the CTB, admin checklist, and notice to all interest owners.

Please contact me at 432-685-4332 should you have any questions.

Sincerely,

Kanicia Castillo  
432.685.4332  
Lead Regulatory Analyst  
COG Operating LLC

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

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

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

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

OPERATOR NAME: COG Operating LLC  
OPERATOR ADDRESS: One Concho Center, 600 West Illinois Ave, Midland, Texas 79701  
APPLICATION TYPE:  
☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)  
LEASE TYPE: ☐ Fee ☒ State ☐ Federal

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

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

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

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

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code. Empire/Glorieta-Yeso, East, 96610  
(2) Is all production from same source of supply? ☒ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No  
(4) Measurement type: ☒ Metering ☒ Other (Specify) Subtraction Method

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) - Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

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

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

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

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

SIGNATURE: K. C. TITLE: Lead Regulatory Analyst DATE: 03/18/15  
TYPE OR PRINT NAME Kanicia Castillo TELEPHONE NO.: 432-685-4332  
E-MAIL ADDRESS: kcastillo@concho.com

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM7752
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	8. Well Name and No. PARLIAMENT 1 FEDERAL COM 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T17S R29E Mer NMP 2310FNL 150FEL		9. API Well No. 30-015-42647
		10. Field and Pool, or Exploratory EMPIRE;GLORIETA-YESO,EAST
		11. County or Parish, and State EDDY COUNTY, NM

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

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

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

COG Operating LLC respectfully requests approval for surface commingle and off lease sales of gas on the following wells:

The three 3-phase horizontal test separators and associated metering devices have been sized for the expected range of fluid rates from the production wells. The sizing and calibration of this equipment ensures accurate measurement of produced fluids from a well in test. Separate meters are used for measuring oil, water and gas. After fluids are separated, oil and water flow rates are measured using turbine meters (Tester #1: (PO) #433474, Tester #2: (PO) #428711, Tester #3: TBP) and the gas flow rate is measured using an orifice meter (Tester #1: (PG) #D-240217, Tester #2: (PG) #D-200505, Tester #3: TBP). After measurement the fluids are recombined with the main production stream and routed to the 2-phase separator for processing.

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

**Electronic Submission #297624 verified by the BLM Well Information System**  
**For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 04/08/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

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

Office

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

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

## **Additional data for EC transaction #297624 that would not fit on the form**

### **32. Additional remarks, continued**

Monthly gas and oil production will be allocated based on the percentage of each wells contribution as determined through well tests. This battery is able to handle a total of 8 horizontal wells. Each well will be tested at least once a month and the duration of each test will be a minimum of three days. Using the subtraction method for a four well facility, three wells will be continuously metered through test separators and one well will be produced into the 2-phase separator. A producing well that has different ownership than other wells at the battery will be continuously metered separately through a test separator prior to commingling production together into the 2-phase separator. Wells with common ownership will be produced into either the test separator or production separator. The production for the well not being metered will be determined by taking the total production from the battery and subtracting the metered volumes from the test separators. The oil test meters will be proven as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter. The factor obtained will be used to allocate the production volumes. The gas test meters will be calibrated on a regular basis per API, NMOCD and BLM specifications.

Consolidating production to one battery will extend the economic life for these wells and lessen surface disturbance.

Commingling will not reduce value of production.

All interest owners have been notified.

Please see attachments.

Parliament 1 Federal Com 13H

NMNM13814

CA NMNM120021

NMNM7752

CA NMNM133058

API 30-015-41817

Sec 6 T17S R30E SWNW 1476FNL 257FWL

Parliament 1 Federal Com 4H

NMNM13814

CA NMNM120021

NMNM7752

CA NMNM133058

API 30-015-42647

Sec 1 T17S R29E SENE 2310FNL 150FEL

Munds 1 Federal Com 21H

NMNM13814

CA NMNM120021

NMNM64222

CA NMNM125611

API 30-015-41564

Sec 1 T17S R29E NENE 310FNL 190FEL

Munds 1 Federal Com 12H

NMNM13814

CA NMNM120021

NMNM64222

CA NMNM125611

API 30-015-41565

Sec 1 T17S R29E NENE 310FNL 190FEL

# APPLICATION FOR COMMINGLE AND OFF LEASE MEASUREMENT AT A COMMON CENTRAL TANK BATTERY

## Central Tank Battery Proposal for the Parliament 1 Federal Com & Munds 1 Federal Com Wells:

COG Operating is requesting approval for the Central Tank Battery, Lease Commingle, Off Lease Measurement, Sales, & Storage for the following wells:

**Federal Lease NMNM13814 (12.5%)**

**CA NMNM120021**

**NMNM7752 Royalty Step Rate (12.5 - 32%)**

**CA NMNM133058**

<u>Well Name</u>	<u>Location</u>	<u>API #</u>	<u>Pool 96610</u>	<u>Oil BOPD</u>	<u>Gravities</u>	<u>MCFPD</u>	<u>BTU</u>
Parliament 1 Federal Com 13H	NENE Sec. 6-T17S-R30E-5	30-015-41817	Empire;Glorieta Yeso, East	25*	37.1*	121*	1355*
Parliament 1 Federal Com 4H	NENE Sec. 1-T17S-R29E-H	30-015-42647	Empire;Glorieta Yeso, East	25	37.1	121	1355

**Federal Lease: NMNM13814 (12.5%)**

**CA NMNM120021**

**NMNM64222 (12.5%)**

**CA NMNM125611**

<u>Well Name</u>	<u>Location</u>	<u>API #</u>	<u>Pool 96610</u>	<u>Oil BOPD</u>	<u>Gravities</u>	<u>MCFPD</u>	<u>BTU</u>
Munds 1 Federal Com 21H	NWNW Sec. 1-T17S-R29E-1	30-015-41564	Empire;Glorieta Yeso, East	25*	37.1*	121*	1355*
Munds 1 Federal Com 12H	NWNW Sec. 1-T17S-R29E-1	30-015-41565	Empire;Glorieta Yeso, East	25*	37.1*	121*	1355*

\*These are proposed totals for these wells; once these wells are drilled the production information will be amended. I will submit BOPD & MCFPD for the Parliament 1 Federal Com LBB #3H, Munds 1 Federal Com LBB #1H & Munds 1 Federal Com #12H upon receipt.

Attached map displays the federal leases and well locations in Section 1, T17S-R29E and Section 6, T17S-R30E.

The BLM's interest in all four wells is different. Waste is not induced and no correlative rights are impaired.

## Oil & Gas metering:

The central tank battery is located on the pad for the Parliament 1 Federal Com #4H well located in SENE, Sec. 1-T17S-R29E on federal lease NMNM 13814 in Eddy County, New Mexico. Flowlines from producing wells terminate into the test/production header which serves as the inlet to the tank battery. From the header, three wells can be put in test and the remaining well is produced into the 2-phase production separator.

The three 3-phase horizontal test separators and associated metering devices have been sized for the expected range of fluid rates from the production wells. The sizing and calibration of this equipment ensures accurate measurement of produced fluids from a well in test. Separate meters are used for measuring oil, water and gas. After fluids are separated, oil and water flow rates are measured using turbine meters (Tester #1: (PO) #433474, Tester #2: (PO) #428711, Tester #3: TBP) and the gas flow rate is measured using an orifice meter (Tester #1: (PG) #D-240217, Tester #2: (PG) #D-200505, Tester #3: TBP). After measurement the fluids are recombined with the main production stream and routed to the 2-phase separator for processing.

Monthly gas and oil production will be allocated based on the percentage of each wells contribution as determined through well tests. This battery is able to handle a total of 8 horizontal wells. Each well will be tested at least once a month and the duration of each test will be a minimum of three days. Using the subtraction method for a four well facility, three wells will be continuously metered

through test separators and one well will be produced into the 2-phase separator. A producing well that has different ownership than other wells at the battery will be continuously metered separately through a test separator prior to commingling production together into the 2-phase separator. Wells with common ownership will be produced into either the test separator or production separator. The production for the well not being metered will be determined by taking the total production from the battery and subtracting the metered volumes from the test separators. The oil test meters will be proven as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter. The factor obtained will be used to allocate the production volumes. The gas test meters will be calibrated on a regular basis per API, NMOCD and BLM specifications.

Combined fluids from the production header and test separators will be routed to a 2-phase separator where gas and liquids are separated. Gas separated at this point is sent to the DCP Midstream CDP meter #TBP which is located in SWNW, Sec. 6-T17S-R30E. Liquids from this separator are routed to additional vessels for processing before being sent to the oil and water storage tanks. Any gas that flashes off during the additional processing stages is tied directly into the gas sales system upstream of the DCP Midstream CDP meter. This meter will be calibrated on a regular basis per API, NMOCD and BLM specifications.

The Parliament 1 Federal Com #4H battery will have three 500 BBL oil tanks that all wells will utilize. These oil tanks have a common delivery point on the northwest side of the location where oil is hauled via trucking by Holly Transportation. Oil sales volume is determined by gauging of sealed tanks before and after the truck is loaded in accordance with applicable API, NMOCD, and BLM specifications.

Water from all producing wells will be separated through the use of a FWKO and heater-treater prior to being routed to the two 500 BBL water tanks. Water will then be transferred out of the tanks and tied into a Company owned SWD system. Bulk water leaving the facility is measured using a turbine meter.

Parliament 1 Federal Com #13H production will flow into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Parliament 1 Federal Com #4H production will flow into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Munds 1 Federal Com #21H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Munds 1 Federal Com #12H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

The BLM and OCD will be notified of any future changes in the facilities.

#### **Process and Flow Descriptions:**

The flow of produced fluids is shown in detail on the enclosed facility diagram, along with a map which shows the lease boundaries, communization agreement boundaries, and location of wells, facility, and gas sales meter. The proposed commingling is appropriate based on the BLM's guidance in IM 2013-152. The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance, reduce the surface facility footprint and overall emissions. The proposed commingling is the most effective economical means of producing the reserves and will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

COG Operating, LLC understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail (see attached).

Signed: K. C.  
Printed Name: Kanicia Castillo  
Title: Lead Regulatory Analyst  
Date: 04/8/2015

District I  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone (505) 373-6141 Fax (505) 373-5723  
 District II  
 611 E. Fort St., Adams, NM 86210  
 Phone (505) 746-1221 Fax (505) 746-1722  
 District III  
 1200 E. San Antonio Road, Alamogordo, NM 88410  
 Phone (505) 734-6176 Fax (505) 734-4172  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505  
 Phone (505) 476-3440 Fax (505) 476-3442

State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-015-42647		2 Pool Code 96610		3 Pool Name Empire; Glorieta-Yeso, East	
4 Property Code 313708		5 Property Name PARLIAMENT 1 FEDERAL COM UBB			6 Well Number 4H
7 OGRID No. 229137		8 Operator Name COG OPERATING, LLC			9 Elevation 3684'

**" Surface Location**

UL or LR No.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
H	1	17S	29E		2310	NORTH	150	EAST	EDDY

**" Bottom Hole Location If Different From Surface**

UL or LR No.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
E	1	17S	29E		2299	NORTH	372	WEST	EDDY

10 Dedicated Acres 160	11 Joint or Lateral	12 Consolidation Code	13 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

LOT 4 40.01 Acres (USP 40.11) 2299'	LOT 3 40.04 Acres (USP 40.07) 330'	LOT 2 40.01 Acres (USP 40.05) 330'	LOT 1 40.00 Acres (USP 40.01) 2310'	<b>" OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or a leased mineral interest in the land including the proposed bottom hole location or has a right to drill that well on that land as provided in a contract with an owner of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order having been entered by the division. Signature: <i>C. Jackson</i> Date: 2/11/15 Printed Name: Chasity Jackson E-mail Address: cjackson@concho.com
S 89°58'36" W (GRID) - 4797.26' (HORIZ.) SEE DETAIL "A"				<b>" SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 7/23/13 Signature and Seal of Surveyor: <i>Robert M. Nowell</i> 19680 Certificate Number
<b>CORNER DATA</b> NAD 27 GRID - NM EAST A FND USGLO BC 1914 N 675322.5 - E 591200.4 B FND USGLO BC 1914 N 677961.6 - E 591196.9 C FND USGLO BC 1916 N 680599.9 - E 591196.5 D FND USGLO BC 1914 N 680802.3 - E 596475.6 E FND USGLO BC 1914 N 680802.3 - E 596475.6 F FND USGLO BC 1914 N 677961.9 - E 596474.4 G FND USGLO BC 1914 N 675334.2 - E 596474.6 H FND USGLO BC 1914 N 675328.3 - E 593844.9				<b>SURFACE LOCATION</b> N 678292.8 E 598324.8 LAT: 32.88431660° N LONG: 104.01862568° W <b>BOTTOM LOCATION</b> N 678290.8 E 591828.5

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 E. Brazos Road, Artesia, NM 88210  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- <b>41817</b>	Pool Code 96610	Pool Name Empire; Glorieta Yeso East
Property Code <b>40247</b>	Property Name PARLIAMENT 1 FEDERAL COM LBB	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3690'

Surface Location

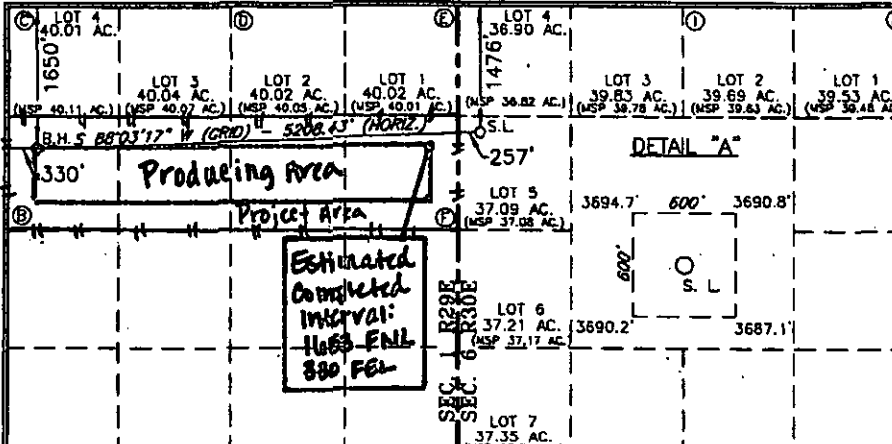

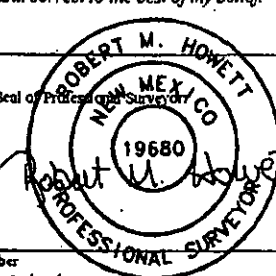
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
5	6	17-S	30-E		1476	NORTH	257	WEST	EDDY

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	1	17-S	29-E		1650	NORTH	330	WEST	EDDY

Dedicated Acres 160	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>Producing Area Project Area Estimated Completed Interval: 1163 FNL 380 FBL</p>	<p><b>"OPERATOR CERTIFICATION"</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order hereinafter entered by the division.</p> <p>Signature:  Date: 5-20-13</p> <p>Printed Name: Kelly J. Holly</p> <p>Email Address: kholly@concho.com</p>
<p><b>CORNER DATA</b> NAD 27 GRID - NM EAST A: FND USGLO BC 1914 N 675322.5 - E 591200.4 B: FND USGLO BC 1914 N 677961.6 - E 591198.9 C: FND USGLO BC 1916 N 680599.9 - E 591196.5 D: FND USGLO BC 1914 N 680602.4 - E 593835.9 E: FND USGLO BC 1914 N 680602.3 - E 596475.6 F: FND USGLO BC 1914 N 677961.9 - E 596474.4 G: FND USGLO BC 1914 N 675324.2 - E 596474.6 H: FND USGLO BC 1914 N 675326.5 - E 593844.9</p> <p><b>GEODETIC DATA</b> NAD 27 GRID - NM EAST SURFACE LOCATION N 679127.4 E 596732.0 LAT: 32.866607° N LONG: 104.018291° W BOTTOM LOCATION N 678950.7 E 591527.9</p> <p><b>CORNER DATA</b> NAD 27 GRID - NM EAST I: FND BRASS CAP 1916 N 680609.7 - E 599011.1 J: FND BRASS CAP 1916 N 680616.9 - E 601650.7 K: FND GLO BC N 675356.3 - E 601669.2 L: FND GLO BC N 675340.1 - E 599029.3</p>	<p><b>"SURVEYOR CERTIFICATION"</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>4/8/13 Date of Survey</p> <p>Signature and Seal of Professional Surveyor </p> <p>19680 Certificate Number REVISED: 5/2/13</p>



District I  
 1625 N French Dr., Hobbs, NM 88240  
 Phone (575) 393-6161 Fax (575) 393-0720  
 District II  
 811 S. First St., Artesia, NM 88210  
 Phone (575) 748-1283 Fax (575) 748-9720  
 District III  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone (505) 334-6178 Fax (505) 334-6170  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505  
 Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM-87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-</b>	<sup>2</sup> Pool Code <b>96610</b>	<sup>3</sup> Pool Name <b>Empire; Glorieta Yeso East</b>
<sup>4</sup> Property Code <b>40041</b>	<sup>5</sup> Property Name <b>MUNDS 1 FEDERAL COM LBB</b>	<sup>6</sup> Well Number <b>2 1H</b>
<sup>7</sup> OGRID# <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING, LLC</b>	<sup>9</sup> Elevation <b>3692'</b>

**" Surface Location**

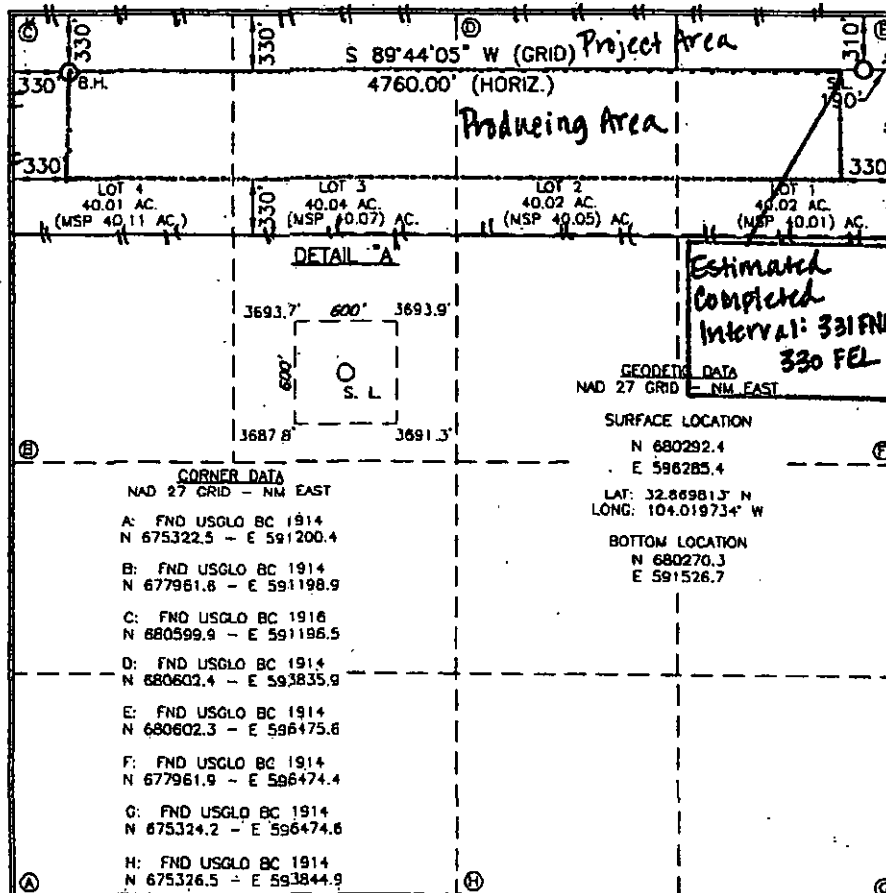
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>1</b>	<b>1</b>	<b>17-S</b>	<b>29-E</b>		<b>310</b>	<b>NORTH</b>	<b>190</b>	<b>EAST</b>	<b>EDDY</b>

**" 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
<b>4</b>	<b>1</b>	<b>17-S</b>	<b>29-E</b>		<b>330</b>	<b>NORTH</b>	<b>330</b>	<b>WEST</b>	<b>EDDY</b>

<sup>10</sup> Dedicated Acres <b>160.24</b>	<sup>11</sup> Joint or Infill	<sup>12</sup> Consolidation Code	<sup>13</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.



**" OPERATOR CERTIFICATION**

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

Signature: *[Signature]*  
 Date: **5-20-13**  
 Printed Name: **Kelly J. Holly**  
 E-mail Address: **kholly@concho.com**

**" 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 of Survey: **4/2/13**  
 Signature and Seal of Professional Surveyor: *[Signature]*  
 Certificate Number: **19680**  
 REVISED: **5/7/13**

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0720  
District II  
911 S. First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax (575) 748-9720  
District III  
1000 Rio Bravo Road, Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30-015-41565</b>		2 Pool Code <b>96610</b>		3 Pool Name <b>Empire: Glorieta Yaso East</b>	
4 Property Code <b>40041</b>		5 Property Name <b>MUNDS 1 FEDERAL COM</b>			6 Well Number <b>12H</b>
7 OGRID No. <b>229137</b>		8 Operator Name <b>COG OPERATING, LLC</b>			9 Elevation <b>3692'</b>

10 Surface Location

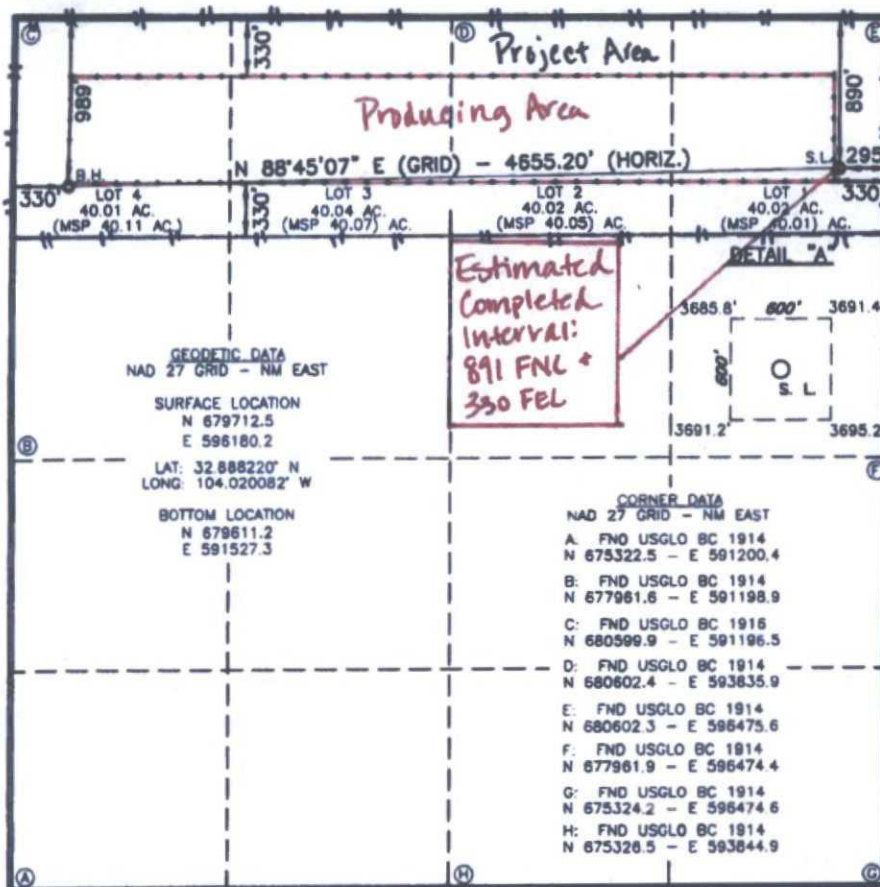
UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
1	1	17-S	29-E		890	NORTH	295	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
4	1	17-S	29-E		989	NORTH	330	WEST	EDDY

12 Dedicated Acres <b>160.24</b>	13 Joint or Infill	14 Consolidation Code	15 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.



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

11-6-14  
Date

Kelly J. Holly  
Printed Name

kholly@concho.com  
E-mail Address

18 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.

4/6/13  
Date of Survey

Signature and Seal of Professional Surveyor

19880  
Certificate Number

REVISED: 5/5/14 NAME

**PARLIAMENT 1 FEDERAL COM UBB 4H BATTERY**  
SENE SECTION 1, T17S, R29E, UNIT H  
EDDY COUNTY, NM

WELLS:  
PARLIAMENT 1 FEDERAL COM #013H: 30-015-41817  
PARLIAMENT 1 FEDERAL COM UBB #004H: 30-015-42647  
MUNDS 1 FEDERAL COM #021H: 30-015-41564  
MUNDS 1 FEDERAL COM #012H: 30-015-41565

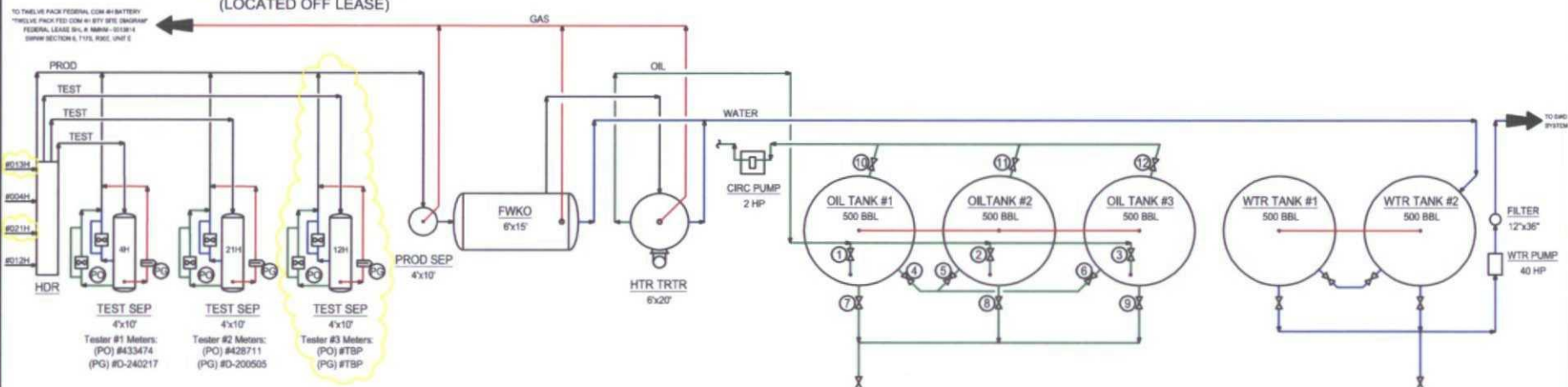
**Production Phase - Oil Tank #1**

- Valve 1 open
- Valves 2 and 3 closed
- Valves 4, 5, and 6 open
- Valves 7, 8, and 9 closed
- Valves 10, 11, and 12 closed

**Sales Phase - Oil Tank #1**

- Valve 1 closed
- Valves 2 or 3 open
- Valve 4 closed
- Valves 5 and 6 open
- Valve 7 open
- Valves 8 and 9 closed
- Valves 10, 11, and 12 closed

DCP Gas Sales Line Meter: #TBP  
(LOCATED OFF LEASE)



COG Operating LLC  
Site Security Plans Located At:  
One Concho Center  
600 W. Illinois Ave.  
Midland, TX 79701



**Ledger for Site Diagram**

Produced Fluid: —  
Produced Oil: —  
Produced Gas: —  
Produced Water: —  
Future: —

NOTES

Type of Lease: Federal

Federal Lease #: SHL: NMNM - 0013814

Property Code: 313708

OGRID #: 229137

CONFIDENTIALITY NOTICE

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THIS DRAWING IS SPECIFICALLY FORWARDED.

REFERENCE DRAWINGS

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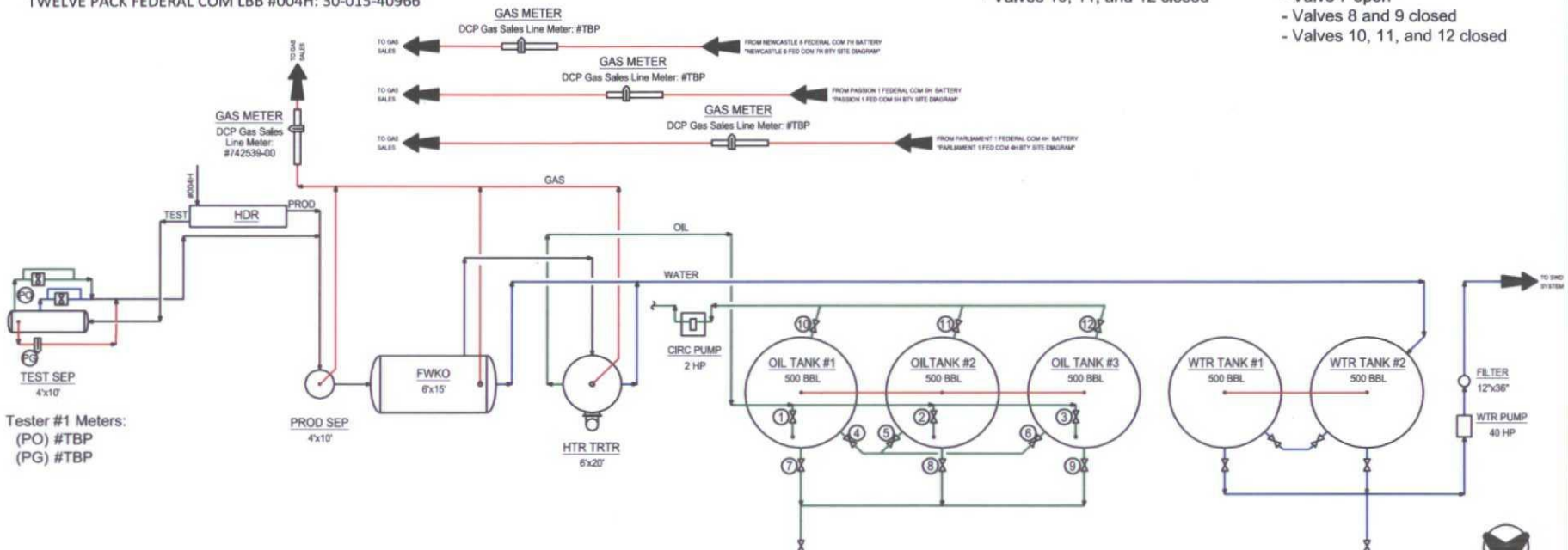


**TWELVE PACK FEDERAL COM 4H BATTERY**  
SWNW SECTION 6, T17S, R30E, UNIT E  
EDDY COUNTY, NM

WELLS:  
TWELVE PACK FEDERAL COM LBB #004H: 30-015-40966

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

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



Tester #1 Meters:  
(PO) #TBP  
(PG) #TBP

COG Operating LLC  
Site Security Plans Located At:  
One Concho Center  
600 W. Illinois Ave.  
Midland, TX 79701



**Ledger for Site Diagram**  
Produced Fluid: —  
Produced Oil: —  
Produced Gas: —  
Produced Water: —

NOTES

Type of Lease: Federal

Federal Lease #: SHL: NMNM - 0013814

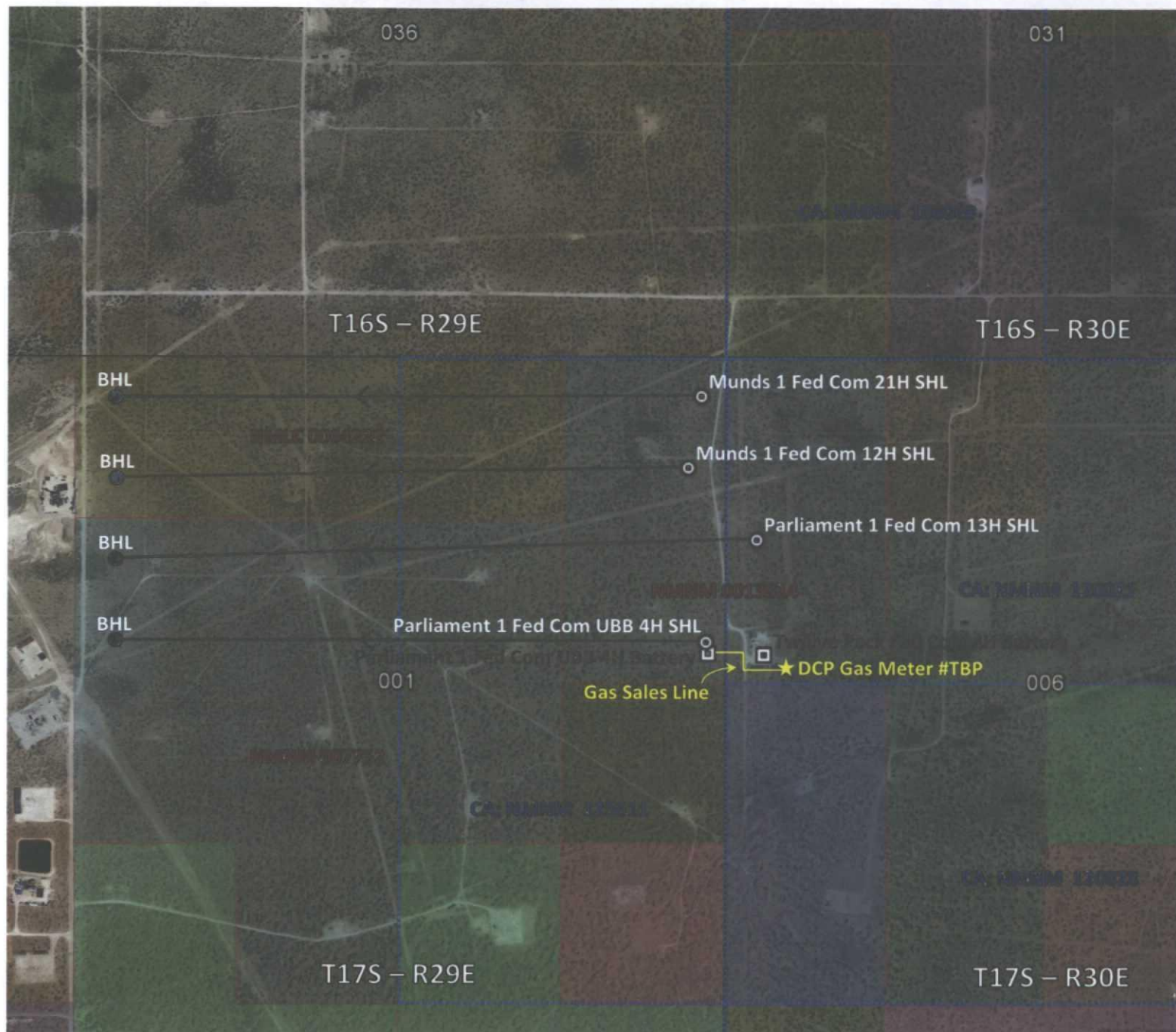
Property Code: 39906

OGRID #: 229137

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REFERENCE DRAWINGS		REVISIONS				ENGINEERING RECORD			
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY	DATE
		A	06/01/12	ISSUE FOR SITE PERMITTING	CHB			CHB	06/01/12
		B	3/10/16	UPDATED FOR TWELVE PACK FED 4H BTY	CHB			CHB	06/01/12
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NMNM - 0013814

Parliament 1 Fed Com 4H Battery

Twelve Pack Fed Com 4H Battery

Parliament Allocation Meters:

Tester 1: (O) 433474

(G) D-240217

Tester 2: (O) 428711

(G) D-200505

Tester 3: TBD

DCP Sales Meters:

Twelve Pack: 742539-00

Parliament: TBD

Passion: TBD

NMNM - 0016786

NMNM - 116572

Passion 1 Fed Com 5H Battery

Par 4H:13H

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 11:04 AM

Page 1 of 3

Run Date: 02/19/2015

01 02-25-1920;041STAT0437;30USC226

Case Type 311111: O&G LSE NONCOMP PUB LAND

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres  
312.970

Serial Number  
NMNM-- 0 013814

Serial Number: NMNM-- 0 013814

Name & Address			Int Rel	% Interest
ARROWHEAD OIL CORP	PO BOX 548	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000
BECK ROBERT H	PO BOX 1897	ROSWELL NM 882021897	OPERATING RIGHTS	0.000000000
CARNES JIM	5338 W OLNEY	LEVEEN AZ 85338	OPERATING RIGHTS	0.000000000
ELLIOTT HALL CO UT LP	PO BOX 1231	OGDEN UT 844021231	OPERATING RIGHTS	0.000000000
ELLIOTT HALL CO UT LP	PO BOX 1231	OGDEN UT 844021231	LESSEE	37.500000000
ELLIOTT INDUSTRIES LTD	PO BOX 1328	SANTA FE NM 875041328	OPERATING RIGHTS	0.000000000
PTNRSHIP				
ELLIOTT INDUSTRIES LTD	PO BOX 1328	SANTA FE NM 875041328	LESSEE	37.500000000
PTNRSHIP				
EOG RESOURCES INC	PO BOX 4362	HOUSTON TX 772104362	OPERATING RIGHTS	0.000000000
GENERAL OIL CO	1540 N BROADWAY #202	WICHITA KS 67214	OPERATING RIGHTS	0.000000000
HECKER KAREN	9504 LAURLIN CT	VIENNA VA 221821457	LESSEE	8.333400000
HIRSCH JOANNE S	3237 WORTHINGTON ST NW	WASHINGTON DC 200152354	LESSEE	8.333300000
KREISBERG JUDITH H	310 W WALL ST STE 305	MIDLAND TX 797015117	LESSEE	8.333300000
LOTHIAN OIL INC	303 W WALL #500	MIDLAND TX 79701	OPERATING RIGHTS	0.000000000
MACK C CHASE TRUSTEE	PO BOX 693	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000
MOREXCO INC	PO BOX 481	ARTESIA NM 882110481	OPERATING RIGHTS	0.000000000
NORTON T W	1601 E 2ND ST	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000
PIERCE JIM	200 W 1ST CT #859	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000
REAL WELL SERVICE	PO BOX 191	ARTESIA NM 88211	OPERATING RIGHTS	0.000000000
SOUTHEASTERN PETRO	PO BOX 1893	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000
THE TOLES CO	PO BOX 1300	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000
WALKER OG CORP	BOX 1	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000
WRIGHT WINFIELD	1208 N GRAND AVE	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- 0 013814

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0290E	001	ALIQ	SENE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	LOTS	1;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	ALIQ	S2NE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	LOTS	1,2,4,5;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 013814

Act Date	Code	Action	Action Remark	Pending Office
11/04/1953	124	APLN RECD		
09/01/1958	496	FUND CODE	05;145003	
09/01/1958	530	RLTY RATE - 12 1/2%		
09/01/1958	868	EFFECTIVE DATE		
09/12/1958	237	LEASE ISSUED		
08/05/1961	650	HELD BY PROD - ACTUAL		
08/05/1961	658	MEMO OF 1ST PROD-ACTUAL		
08/11/1982	932	TRF OPER RGTS FILED		
08/24/1982	932	TRF OPER RGTS FILED		
10/29/1982	933	TRF OPER RGTS APPROVED	(1)EFF 09/01/82;	
10/29/1982	933	TRF OPER RGTS APPROVED	(2)EFF 09/01/82;	
01/12/1987	932	TRF OPER RGTS FILED		
03/09/1987	933	TRF OPER RGTS APPROVED	EFF 02/01/87;	
03/17/1987	963	CASE MICROFILMED	CNUM 100,896	RW
02/10/1988	974	AUTOMATED RECORD VERIF		GB/CS
03/30/1989	932	TRF OPER RGTS FILED		

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04/12/1989	933	TRF OPER RGTS APPROVED	EFF 04/01/89;
04/12/1989	974	AUTOMATED RECORD VERIF	TF/MT
05/02/1989	909	BOND ACCEPTED	EFF 05/02/89;NM1583
06/24/1991	932	TRF OPER RGTS FILED	(1)KINCAID/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	(2)KINCAID/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	FITTING R D/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	GCI PROD/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	KLINE M A /ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	PEARSON/ARROWHEAD
08/28/1991	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(3)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(4)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(5)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(6)EFF 07/01/91;
08/28/1991	974	AUTOMATED RECORD VERIF	CM/JG
01/22/1992	974	AUTOMATED RECORD VERIF	BW/MT
05/18/1992	974	AUTOMATED RECORD VERIF	BTM/MV
06/26/1992	575	APD FILED	SOUTHEASTERN PETR CE
07/07/1992	576	APD APPROVED	APACHE FED NO 1
07/28/1992	909	BOND ACCEPTED	EFF 07/27/92;NM2049
07/28/1992	974	AUTOMATED RECORD VERIF	SSP/MV
10/01/1992	621	RLTY RED-STRIPPER WELL	1.3% ;1/
01/15/1993	625	RLTY REDUCTION APPV	/1/
03/04/1993	932	TRF OPER RGTS FILED	ELLIOTT ETAL/SE PETRO
03/04/1993	932	TRF OPER RGTS FILED	SE PETRO/BECK ETAL
03/22/1993	933	TRF OPER RGTS APPROVED	(1)EFF 04/01/93;
03/22/1993	933	TRF OPER RGTS APPROVED	(2)EFF 04/01/93;
03/22/1993	974	AUTOMATED RECORD VERIF	TF/KRP
04/26/1993	974	AUTOMATED RECORD VERIF	TF/JS
09/07/1993	932	TRF OPER RGTS FILED	KINCAID/ARROWHEAD
09/23/1993	974	AUTOMATED RECORD VERIF	ANN
10/12/1993	932	TRF OPER RGTS FILED	SE PETRO/WALKER O&G
11/18/1993	933	TRF OPER RGTS APPROVED	EFF 10/01/93;
11/18/1993	974	AUTOMATED RECORD VERIF	BCO/KRP
01/10/1994	933	TRF OPER RGTS APPROVED	EFF 11/01/93;
01/10/1994	974	AUTOMATED RECORD VERIF	JDS
01/18/1994	932	TRF OPER RGTS FILED	ELLIOTT/ENRON
02/25/1994	909	BOND ACCEPTED	EFF 02/04/94;NM2285
03/04/1994	932	TRF OPER RGTS FILED	ARROWHEAD/CHASE TR
03/18/1994	933	TRF OPER RGTS APPROVED	EFF 02/01/94;
03/18/1994	974	AUTOMATED RECORD VERIF	MV/MV
05/09/1994	933	TRF OPER RGTS APPROVED	EFF 04/01/94;
05/09/1994	974	AUTOMATED RECORD VERIF	JLV
05/23/1994	932	TRF OPER RGTS FILED	CHASE/WEBB OIL CO
07/18/1994	933	TRF OPER RGTS APPROVED	EFF 06/01/94;
07/18/1994	974	AUTOMATED RECORD VERIF	ANN
08/01/1994	932	TRF OPER RGTS FILED	BECK ETAL/MOREXCO
12/05/1994	933	TRF OPER RGTS APPROVED	EFF 09/01/94;
12/05/1994	974	AUTOMATED RECORD VERIF	GSB
05/08/1995	974	AUTOMATED RECORD VERIF	AR
04/21/1997	140	ASGN FILED	ELLIOTT/ELLIOTT
05/19/1997	139	ASGN APPROVED	EFF 05/01/97;
05/19/1997	974	AUTOMATED RECORD VERIF	ANN
01/20/1998	932	TRF OPER RGTS FILED	ELLIOTT ETAL/ENRON



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01/20/1998	932	TRF OPER RGTS FILED	ENRON/ELLIOTT ETAL
01/30/1998	933	TRF OPER RGTS APPROVED	(1)EFF 02/01/98;
01/30/1998	933	TRF OPER RGTS APPROVED	(2)EFF 02/01/98;
01/30/1998	974	AUTOMATED RECORD VERIF	LR
08/30/1999	817	MERGER RECOGNIZED	EOG RES/ENRON O&G CO
08/30/1999	940	NAME CHANGE RECOGNIZED	ENRON O&G CO/EOG RES
11/15/2001	940	NAME CHANGE RECOGNIZED	ELLIOTT CO/LTD PTNRSH
05/03/2005	932	TRF OPER RGTS FILED	WEBB ETAL/LOTHIAN O;1
06/17/2005	933	TRF OPER RGTS APPROVED	EFF 06/01/05;
06/17/2005	974	AUTOMATED RECORD VERIF	ANN
01/15/2008	246	LEASE COMMITTED TO CA	CA NM-120021
02/15/2010	246	LEASE COMMITTED TO CA	CA NM125611
05/28/2013	396	TRF OF INTEREST FILED	MJ&SF SONOSKY/HEIRS;
06/13/2013	974	AUTOMATED RECORD VERIF	JA;

Line Nr      Remarks

Serial Number: NMNM-- 0 013814

0002	BONDED OPERATORS -
0003	01/30/1998 - MOREXCO INC - NM1583 - S/W
0004	06/17/2005 - RODNEY B WEBB NMB000274 S/W

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01 02-25-1920;041STAT0437;30USC181

Total Acres

Serial Number

Case Type 318310: O&G COMMUNITIZATION AGRMT

312.740

NMNM-- - 120021

Commodity 410: NATURAL GAS

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 120021

Name & Address			Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
COG OIL & GAS LP	550 W TEXAS AVE STE 1300	MIDLAND TX 797014210	OPERATOR	100.000000000

Serial Number: NMNM-- - 120021

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0300E	006	ALIQ	S2NE,SENW;	CARLSBAD FIELD OFFICE	EDDY /	BUREAU OF LAND MGMT
23	0170S	0300E	006	LOTS	1,2,3,4,5;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 120021

Act Date	Code	Action	Action Remark	Pending Office
01/15/2008	387	CASE ESTABLISHED		
01/15/2008	516	FORMATION	ATOK;ATOKA	
01/15/2008	516	FORMATION	MRRW06;MORROW	
01/15/2008	516	FORMATION	STRN06;STRAWN	
01/15/2008	516	FORMATION	WCAP;WOLFCAMP	
01/15/2008	526	ACRES-FED INT 100%	312.74;100.00%	
01/21/2008	654	AGRMT PRODUCING	NMNM7752;1 SIX PACK F	
01/21/2008	868	EFFECTIVE DATE	/A/	
02/15/2008	580	PROPOSAL RECEIVED	CA RECD;	
02/20/2008	334	AGRMT APPROVED		
02/20/2008	974	AUTOMATED RECORD VERIF	DRG	

Serial Number: NMNM-- - 120021

Line Nr	Remarks
0001	/A/RECAPITULATION EFFECTIVE 01/15/2008
0002	TR# LEASE SERIAL NO AC COMMITTED % INTEREST
0003	1 NMNM 013814 232.96 74.4900
0004	2 NMNM 7752 79.78 25.5100
0005	TOTAL 312.74 100.0000

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01 02-25-1920;041STAT0437;30USC181ETSEQ

Total Acres

Serial Number

Case Type 311211: O&G LSE SIMO PUBLIC LAND

316.830

NMNM-- - 012561

Commodity 459: OIL & GAS

Case Disposition: CLOSED

Serial Number: NMNM-- - 012561

Name & Address	Int Rel	% Interest
MCCLELLAN BARBARA A PO BOX 730	ROSWELL NM 882020730 ASSIGNEE	100.000000000

Serial Number: NMNM-- - 012561

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0130S	0280E	023	ALIQ	SE;	ROSWELL FIELD OFFICE	CHAVES	BUREAU OF LAND MGMT
23	0130S	0290E	031	ALIQ	E2NW;	ROSWELL FIELD OFFICE	CHAVES	BUREAU OF LAND MGMT
23	0130S	0290E	031	LOTS	1,2;	ROSWELL FIELD OFFICE	CHAVES	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 012561

Act Date	Code	Action	Action Remark	Pending Office
09/27/1970	387	CASE ESTABLISHED		
09/28/1970	888	DRAWING HELD	#1000;	
10/31/1970	237	LEASE ISSUED		
11/01/1970	530	RLTY RATE - 12 1/2%		
11/01/1970	868	EFFECTIVE DATE		
02/01/1971	898	ASGN EFFECTIVE	LADMER BETTY B	
04/01/1973	898	ASGN EFFECTIVE	AMOCO PROD CO	
01/21/1981	235	EXTENDED	10/31/1982	
10/31/1982	234	EXPIRED		DMG
10/31/1982	970	CASE CLOSED		DMG
03/01/1983	666	SIMULTANEOUS LISTED		ML
04/02/1997	899	TRF OF ORR FILED		

Serial Number: NMNM-- - 012561

Line Nr	Remarks
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01 02-25-1920;041STAT0437;30USC226

Case Type 310771: O&amp;G EXCHANGE LEASE - PD

Total Acres

1,154.530

Serial Number

NMNM-- - 007752

Commodity 459: OIL &amp; GAS

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 007752

Name & Address			Int Rel	% Interest
BETHEL VIRGINIA LEE	524 PITTMAN	RICHARDSON TX 75081	OPERATING RIGHTS	0.00000000
BISSETT WAYNE A	PO BOX 2101	MIDLAND TX 79702	OPERATING RIGHTS	0.00000000
BLACK STONE ENERGY CO LLC	1001 FANNIN ST STE 2020	HOUSTON TX 770026715	OPERATING RIGHTS	0.00000000
BREWER MARK T	2002 BRISCOE AVE	ARTESIA NM 88210	OPERATING RIGHTS	0.00000000
BREWER THOMAS J	2101 W RUNYAN AVE	ARTESIA NM 882102573	OPERATING RIGHTS	0.00000000
BUCKHORN ENTERPRISES	2101 W RUNYAN AVE	ARTESIA NM 88210	OPERATING RIGHTS	0.00000000
CARSON DAVID RHEA	524 PITTMAN	RICHARDSON TX 75081	OPERATING RIGHTS	0.00000000
CARSON EDWARD LEWIS	524 PITTMAN	RICHARDSON TX 75081	OPERATING RIGHTS	0.00000000
CHASE BILLY W	PO BOX 515	ARTESIA NM 882110515	OPERATING RIGHTS	0.00000000
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	OPERATING RIGHTS	0.00000000
CHASE RICHARD L	505 S BOLTON RD	ARTESIA NM 88210	OPERATING RIGHTS	0.00000000
CHASE ROBERT C	2306 SIERRA VISTA DR	ARTESIA NM 88210	OPERATING RIGHTS	0.00000000
CHI ENERGY INC	PO BOX 1799	MIDLAND TX 79702	OPERATING RIGHTS	0.00000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	LESSEE	100.00000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATING RIGHTS	0.00000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	OPERATING RIGHTS	0.00000000
CROUCH GERENE D C	PO BOX 693	ARTESIA NM 88211	OPERATING RIGHTS	0.00000000
DAMSON OIL CORP	PO BOX 4391	HOUSTON TX 772104391	OPERATING RIGHTS	0.00000000
DOMINION OK TX EXPL & PROD INC	14000 QUAIL SPGS PKY #600	OKLAHOMA CITY OK 73134	OPERATING RIGHTS	0.00000000
EOG RESOURCES INC	PO BOX 4362	HOUSTON TX 772104362	OPERATING RIGHTS	0.00000000
HENDERSON DAVID L	815 W 10TH ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.00000000
HUNT OIL CO	1900 N AKARD ST	DALLAS TX 752012300	OPERATING RIGHTS	0.00000000
KOCH DOUGLAS C	BOX 10651	MIDLAND TX 79702	OPERATING RIGHTS	0.00000000
LOTHIAN OIL INC	303 W WALL #500	MIDLAND TX 79701	OPERATING RIGHTS	0.00000000
LOUIS DREYFUS NATURAL GAS CORP	14000 QUAIL SPRINGS PKY #600	OKLAHOMA CITY OK 731342600	OPERATING RIGHTS	0.00000000
LOWERY J J	PO BOX 13685	ODESSA TX 79768	OPERATING RIGHTS	0.00000000
MACK C CHASE TRUSTEE	PO BOX 693	ARTESIA NM 88210	OPERATING RIGHTS	0.00000000
MACK ENERGY CORP	PO BOX 960	ARTESIA NM 88211	OPERATING RIGHTS	0.00000000
MARBOB ENERGY CORP	PO BOX 227	ARTESIA NM 882110227	OPERATING RIGHTS	0.00000000
MEYERS MELVA JEAN	NO 1 ST ANDREW CIR	BROKEN ARROW OK 74011	OPERATING RIGHTS	0.00000000
MEYERS REX THOMAS	524 PITTMAN	RICHARDSON TX 75081	OPERATING RIGHTS	0.00000000
MEYERS REX THOMAS	NO 1 ST ANDREW CIR	BROKEN ARROW OK 74011	OPERATING RIGHTS	0.00000000
NM BAPTIST FOUNDATION	PO BOX 485	ALBUQUERQUE NM 87103	OPERATING RIGHTS	0.00000000
PACIFIC ENTERPRISES ABC CORP	8235 DOUGLAS AVE #525	DALLAS TX 75225	OPERATING RIGHTS	0.00000000
PIONEER NATURAL RES USA INC	1401 17TH ST #1200	DENVER CO 80202	OPERATING RIGHTS	0.00000000
SAMSON RESOURCES CO	2 W SECOND ST	TULSA OK 74103	OPERATING RIGHTS	0.00000000
SOUTHWEST ROYALTIES INC	#6 DESTA DR #2100	MIDLAND TX 79705	OPERATING RIGHTS	0.00000000

Serial Number: NMNM-- - 007752

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency	
23	0170S	0290E	001	FF	01	SWNE,S2NW,N2SW,ALL FORMS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	FF	02	SESW,NWSE,ALL FORMATIONS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	FF	03	SWSW,SWSE,ALL FORMATIONS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	FF	04	EXCEPT GRAYBURG FORM AS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	FF	05	DEFINED BY SEC 2F OF THE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	FF	06	UNIT AGREEMENT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	012	FF	01	NE,N2NW,ALL FORMS EXCEPT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	012	FF	02	GRAYBURG FORM AS DEFINED;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	012	FF	03	BY SEC 2F OF THE UNIT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	012	FF	04	AGREEMENT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	FF	01	L 3,SENW,E2SW,ALL FORMS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	FF	02	NWSE,ALL FORMS EXCEPT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	FF	03	GRAYBURG FORM AS DEFINED;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	FF	04	BY SEC 2F OF THE UNIT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	FF	05	AGREEMENT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	007	FF	01	E2SW,SE,ALL FORMATIONS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

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23 0170S 0300E 007	FF	02	L 1,2,ALL FORMS EXCEPT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 007	FF	03	GRAYBURG FORM AS DEFINED;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 007	FF	04	BY SEC 2F OF THE UNIT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 007	FF	05	AGREEMENT;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 008	FF		NNNW,ALL FORMATIONS;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 007752

Act Date	Code	Action	Action Remark	Pending Office
12/31/1938	387	CASE ESTABLISHED		
12/31/1938	496	FUND CODE	05;145003	
12/31/1938	533	RLTY STEP 12.5-32%		
12/31/1938	868	EFFECTIVE DATE		
08/01/1968	209	CASE CREATED BY SEGR	OUT OF NMNM025733;	
08/01/1968	650	HELD BY PROD - ACTUAL		
08/01/1968	658	MEMO OF 1ST PROD-ACTUAL		
01/18/1974	932	TRF OPER RGTS FILED		
04/16/1974	932	TRF OPER RGTS FILED		
09/19/1975	940	NAME CHANGE RECOGNIZED	KEWANEE OIL CO/IND	
08/07/1977	932	TRF OPER RGTS FILED		
11/23/1977	932	TRF OPER RGTS FILED		
07/03/1978	932	TRF OPER RGTS FILED	(1)	
07/03/1978	932	TRF OPER RGTS FILED	(2)	
07/01/1982	963	CASE MICROFILMED	CNUM 103,138 GLC	
01/30/1985	932	TRF OPER RGTS FILED		
03/28/1985	932	TRF OPER RGTS FILED		
05/28/1986	933	TRF OPER RGTS APPROVED	EFF 02/01/85;	
05/28/1986	933	TRF OPER RGTS APPROVED	EFF 04/01/85;	
05/05/1987	933	TRF OPER RGTS APPROVED	(1)EFF 08/01/78;	
05/05/1987	933	TRF OPER RGTS APPROVED	(2)EFF 08/01/78;	
05/05/1987	933	TRF OPER RGTS APPROVED	EFF 02/01/74;	
05/05/1987	933	TRF OPER RGTS APPROVED	EFF 05/01/74;	
05/05/1987	933	TRF OPER RGTS APPROVED	EFF 09/01/77;	
05/08/1987	963	CASE MICROFILMED	CNUM 103,138 RW	
05/27/1988	933	TRF OPER RGTS APPROVED	EFF 12/01/77;	
05/27/1988	974	AUTOMATED RECORD VERIF	HKG/HKG	
07/25/1988	932	TRF OPER RGTS FILED		
08/22/1988	933	TRF OPER RGTS APPROVED	EFF 08/01/88;	
08/22/1988	974	AUTOMATED RECORD VERIF	BTM/MT	
09/28/1988	932	TRF OPER RGTS FILED		
10/31/1988	933	TRF OPER RGTS APPROVED	EFF 10/01/88;	
10/31/1988	974	AUTOMATED RECORD VERIF	RAO/JR	
11/15/1988	932	TRF OPER RGTS FILED		
12/09/1988	933	TRF OPER RGTS APPROVED	EFF 12/01/88;	
12/09/1988	974	AUTOMATED RECORD VERIF	GLC/MT	
01/19/1989	932	TRF OPER RGTS FILED	(1)	
01/19/1989	932	TRF OPER RGTS FILED	(2)	
02/14/1989	933	TRF OPER RGTS APPROVED	(1)EFF 02/01/89;	
02/14/1989	933	TRF OPER RGTS APPROVED	(2)EFF 02/01/89;	
02/14/1989	974	AUTOMATED RECORD VERIF	DGT/MT	
02/17/1989	932	TRF OPER RGTS FILED		
03/21/1989	933	TRF OPER RGTS APPROVED	EFF 03/01/89;	
03/21/1989	974	AUTOMATED RECORD VERIF	RAO/MT	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

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12/26/1989	932	TRF OPER RGTS FILED	LOWERY J J/PACIFIC
03/05/1990	933	TRF OPER RGTS APPROVED	EFF 01/01/90;
03/05/1990	974	AUTOMATED RECORD VERIF	TF/MT
03/16/1990	932	TRF OPER RGTS FILED	R MEYERS/PACIFIC
03/26/1990	932	TRF OPER RGTS FILED	D R CARSON/PACIFIC
03/26/1990	932	TRF OPER RGTS FILED	E L CARSON/PACIFIC
03/26/1990	932	TRF OPER RGTS FILED	V L BETHEL/PACIFIC
04/23/1990	932	TRF OPER RGTS FILED	NM BAPTIST/PACIFIC
05/21/1990	933	TRF OPER RGTS APPROVED	(1)EFF 04/01/90;
05/21/1990	933	TRF OPER RGTS APPROVED	(2)EFF 04/01/90;
05/21/1990	933	TRF OPER RGTS APPROVED	(3)EFF 04/01/90;
05/21/1990	933	TRF OPER RGTS APPROVED	(4)EFF 04/01/90;
05/21/1990	933	TRF OPER RGTS APPROVED	EFF 05/01/90;
05/21/1990	974	AUTOMATED RECORD VERIF	BTM/MT
05/25/1990	932	TRF OPER RGTS FILED	(1)AMCO PROD/MACK ENE
05/25/1990	932	TRF OPER RGTS FILED	(2)AMCO PROD/MACK ENE
07/23/1990	933	TRF OPER RGTS APPROVED	(1)EFF 06/01/90;
07/23/1990	933	TRF OPER RGTS APPROVED	(2)EFF 06/01/90;
07/23/1990	974	AUTOMATED RECORD VERIF	TF/MT
08/27/1990	932	TRF OPER RGTS FILED	PHILLIPS/SW RLTYs
09/04/1990	932	TRF OPER RGTS FILED	DOUBLE/MARBOB
09/04/1990	932	TRF OPER RGTS FILED	PHILLIPS/DOUBLE
09/27/1990	933	TRF OPER RGTS APPROVED	(1)EFF 10/01/90;
09/27/1990	933	TRF OPER RGTS APPROVED	(2)EFF 10/01/90;
09/27/1990	933	TRF OPER RGTS APPROVED	EFF 09/01/90;
09/27/1990	974	AUTOMATED RECORD VERIF	GLC/MT
11/13/1990	932	TRF OPER RGTS FILED	AMCO/MACK ENERGY CORP
12/03/1990	932	TRF OPER RGTS FILED	AMCO PROD/MACK ENERGY
01/17/1991	932	TRF OPER RGTS FILED	BETHEL/CARSON ET AL
01/19/1991	957	TRF OPER RGTS DENIED	BETHAL/CARSON ET AL
01/19/1991	974	AUTOMATED RECORD VERIF	BTM/JG
01/22/1991	933	TRF OPER RGTS APPROVED	EFF 12/01/90;
01/22/1991	974	AUTOMATED RECORD VERIF	CM/DG
02/04/1991	140	ASGN FILED	DORCHESTER/DORCHESTER
02/04/1991	932	TRF OPER RGTS FILED	DORCHESTER/DORCHESTER
02/19/1991	932	TRF OPER RGTS FILED	A KECK/DAMSON OIL
03/14/1991	933	TRF OPER RGTS APPROVED	EFF 01/01/91;
03/14/1991	974	AUTOMATED RECORD VERIF	CM/MT
03/21/1991	974	AUTOMATED RECORD VERIF	RAYO/RAYO
03/26/1991	575	APD FILED	MARBOB ENERGY CE
04/02/1991	932	TRF OPER RGTS FILED	MCKIM ETAL/BISSETT ET
04/08/1991	139	ASGN APPROVED	EFF 03/01/91;
04/08/1991	933	TRF OPER RGTS APPROVED	(1)EFF 03/01/91;
04/08/1991	933	TRF OPER RGTS APPROVED	(2)EFF 03/01/91;
04/08/1991	933	TRF OPER RGTS APPROVED	EFF 05/01/91;
04/08/1991	974	AUTOMATED RECORD VERIF	GLC/MT
04/15/1991	576	APD APPROVED	RANDALL FED NO 2
06/03/1991	909	BOND ACCEPTED	EFF 06/03/91;MT0741
09/18/1991	140	ASGN FILED	DORCHESTER/PARKER
09/18/1991	932	TRF OPER RGTS FILED	(1)DORCHESTER/P&P
09/18/1991	932	TRF OPER RGTS FILED	(2)DORCHESTER/P&P
11/07/1991	909	BOND ACCEPTED	EFF 10/28/91;NM1936
11/25/1991	139	ASGN APPROVED	EFF 10/01/91;
11/25/1991	933	TRF OPER RGTS APPROVED	(1)EFF 10/01/91;
11/25/1991	933	TRF OPER RGTS APPROVED	(2)EFF 10/01/91;

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11/25/1991	974	AUTOMATED RECORD VERIF	AR/JLV
04/09/1992	140	ASGN FILED	DAMSON/P&P DEV CO
04/09/1992	932	TRF OPER RGTS FILED	(1)DAMSON/P&P DEV CO
04/09/1992	932	TRF OPER RGTS FILED	(2)DAMSON/P&P DEV CO
06/16/1992	139	ASGN APPROVED	EFF 05/01/92;
06/16/1992	933	TRF OPER RGTS APPROVED	(1)EFF 05/01/92;
06/16/1992	933	TRF OPER RGTS APPROVED	(2)EFF 05/01/92;
06/16/1992	974	AUTOMATED RECORD VERIF	SSP/JS
10/01/1992	621	RLTY RED-STRIPPER WELL	1.3%;/1/
10/01/1992	621	RLTY RED-STRIPPER WELL	1.3%;/3/
12/07/1992	932	TRF OPER RGTS FILED	MARBOB/CHASE OIL CORP
01/01/1993	621	RLTY RED-STRIPPER WELL	2.1%;/2/
01/25/1993	625	RLTY REDUCTION APPV	/3/
02/02/1993	933	TRF OPER RGTS APPROVED	EFF 01/01/93;
02/02/1993	974	AUTOMATED RECORD VERIF	ANN/JS
02/05/1993	932	TRF OPER RGTS FILED	PAC ENTER/NM BAPT
02/11/1993	932	TRF OPER RGTS FILED	(1)PAC ENTER/NM BAPT
02/11/1993	932	TRF OPER RGTS FILED	(2)PAC ENTER/NM BAPT
02/22/1993	932	TRF OPER RGTS FILED	PAC ENTER/CARSON
02/22/1993	932	TRF OPER RGTS FILED	PAC ENTER/MYERS
03/29/1993	932	TRF OPER RGTS FILED	HAWES/P&P DEV CO
04/02/1993	932	TRF OPER RGTS FILED	PAC ENTER/J J LOWERY
04/07/1993	909	BOND ACCEPTED	EFF 04/05/93;NM2151
04/15/1993	933	TRF OPER RGTS APPROVED	(1)EFF 03/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	(1)EFF 04/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	(1)EFF 05/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	(2)EFF 03/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	(3)EFF 03/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	(4)EFF 03/01/93;
04/15/1993	933	TRF OPER RGTS APPROVED	EFF 05/01/93;
04/15/1993	974	AUTOMATED RECORD VERIF	SSP/KRP
04/30/1993	625	RLTY REDUCTION APPV	/4/
06/29/1993	933	TRF OPER RGTS APPROVED	(2)EFF 04/01/90;
06/29/1993	974	AUTOMATED RECORD VERIF	BCO/MV
08/11/1993	625	RLTY REDUCTION APPV	/4/
12/01/1993	621	RLTY RED-STRIPPER WELL	0.5%;/5/
01/13/1994	974	AUTOMATED RECORD VERIF	VHG
02/17/1994	974	AUTOMATED RECORD VERIF	VHG
02/25/1994	909	BOND ACCEPTED	EFF 02/04/94;NM2285
03/04/1994	932	TRF OPER RGTS FILED	MACK ENE/CHASE TRUST
03/08/1994	974	AUTOMATED RECORD VERIF	LR
05/09/1994	933	TRF OPER RGTS APPROVED	EFF 04/01/94;
05/09/1994	974	AUTOMATED RECORD VERIF	JLV
05/23/1994	932	TRF OPER RGTS FILED	CHASE/WEBB OIL CO
05/25/1994	575	APD FILED	POGO PROD CO
06/13/1994	575	APD FILED	POGO PROD CO
07/18/1994	933	TRF OPER RGTS APPROVED	EFF 06/01/94;
07/18/1994	974	AUTOMATED RECORD VERIF	ANN
12/02/1994	625	RLTY REDUCTION APPV	/5/
12/09/1994	932	TRF OPER RGTS FILED	CHASE OIL/CHASE OIL
12/27/1994	817	MERGER RECOGNIZED	PARKER&PARSLEY/MIDPAR
02/01/1995	621	RLTY RED-STRIPPER WELL	0.5%;/6/
03/20/1995	933	TRF OPER RGTS APPROVED	EFF 01/01/95;
03/20/1995	974	AUTOMATED RECORD VERIF	JLV
11/06/1995	625	RLTY REDUCTION APPV.	/6/

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12/12/1995	940	NAME CHANGE RECOGNIZED	MIDPAR/PARKER&PARSLEY
04/01/1996	621	RLTY RED-STRIPPER WELL	0.5%;/7/
06/03/1996	932	TRF OPER RGTS FILED	BREWER/BUCKHORN
09/09/1996	932	TRF OPER RGTS FILED	CHASE TTEE/R B WEBB
09/25/1996	933	TRF OPER RGTS APPROVED	EFF 07/01/96;
09/25/1996	974	AUTOMATED RECORD VERIF	JLV
11/06/1996	625	RLTY REDUCTION APPV	/7/
11/15/1996	932	TRF OPER RGTS FILED	PARKER&PARSLEY/ENRON
12/03/1996	933	TRF OPER RGTS APPROVED	EFF 10/01/96;
12/03/1996	974	AUTOMATED RECORD VERIF	LR
12/13/1996	932	TRF OPER RGTS FILED	J M HUBER/ENRON
01/07/1997	933	TRF OPER RGTS APPROVED	EFF 12/01/96;
01/07/1997	974	AUTOMATED RECORD VERIF	LR
01/13/1997	933	TRF OPER RGTS APPROVED	EFF 01/01/97;
01/13/1997	974	AUTOMATED RECORD VERIF	JLV
03/24/1997	932	TRF OPER RGTS FILED	PACIFIC/HUNT OIL
04/02/1997	933	TRF OPER RGTS APPROVED	EFF 04/01/97;
04/02/1997	974	AUTOMATED RECORD VERIF	ANN
06/05/1997	932	TRF OPER RGTS FILED	LOWERY/ENRON O&G CO
06/09/1997	932	TRF OPER RGTS FILED	BETHEL/ENRON
06/09/1997	932	TRF OPER RGTS FILED	CARSON ETAL/ENRON
06/18/1997	932	TRF OPER RGTS FILED	CARPENTER/ENRON O&G
06/18/1997	932	TRF OPER RGTS FILED	MEYERS/ENRON O&G
08/07/1997	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/97;
08/07/1997	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/97;
08/07/1997	933	TRF OPER RGTS APPROVED	(3)EFF 07/01/97;
08/07/1997	933	TRF OPER RGTS APPROVED	(4)EFF 07/01/97;
08/07/1997	933	TRF OPER RGTS APPROVED	(5)EFF 07/01/97;
08/07/1997	974	AUTOMATED RECORD VERIF	LR
10/03/1997	817	MERGER RECOGNIZED	MESA OPER/PIONNER
10/03/1997	817	MERGER RECOGNIZED	PARKR&PARSLEY/PIONEER
02/05/1998	932	TRF OPER RGTS FILED	MACK/CHASE TRUST
03/04/1998	933	TRF OPER RGTS APPROVED	EFF 03/01/98;
03/04/1998	974	AUTOMATED RECORD VERIF	ANN
08/01/1998	625	RLTY REDUCTION APPV	/8/
11/23/1998	932	TRF OPER RGTS FILED	WAGNER/SAMSON
12/30/1998	933	TRF OPER RGTS APPROVED	EFF 12/01/98;
12/30/1998	974	AUTOMATED RECORD VERIF	JLV
01/14/1999	932	TRF OPER RGTS FILED	CHASE/CHASE ETAL
02/25/1999	933	TRF OPER RGTS APPROVED	EFF 02/01/99;
02/25/1999	974	AUTOMATED RECORD VERIF	LR
08/13/1999	932	TRF OPER RGTS FILED	RHODES/HENDERSON
08/27/1999	621	RLTY RED-STRIPPER WELL	0.5%;/8/
08/30/1999	817	MERGER RECOGNIZED	EOG RES/ENRON O&G CO
08/30/1999	940	NAME CHANGE RECOGNIZED	ENRON O&G CO/EOG RES
09/01/1999	621	RLTY RED-STRIPPER WELL	0.5%;/9/
11/03/1999	933	TRF OPER RGTS APPROVED	EFF 09/01/99;
11/03/1999	974	AUTOMATED RECORD VERIF	MV/MV
11/09/1999	625	RLTY REDUCTION APPV	/9/
10/25/2000	940	NAME CHANGE RECOGNIZED	PACIFIC/PACIFIC ABC
11/01/2000	621	RLTY RED-STRIPPER WELL	0.5%;/10/
12/01/2000	621	RLTY RED-STRIPPER WELL	1.3%;/11/
04/17/2001	817	MERGER RECOGNIZED	BULLDOG/CHASE OIL
04/23/2001	140	ASGN FILED	PIONEER NATURAL RES;1
05/15/2001	625	RLTY REDUCTION APPV	/10/



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05/30/2001	269	ASGN DENIED	04/23/01 ASGN;
05/30/2001	974	AUTOMATED RECORD VERIF	MV
07/17/2001	625	RLTY REDUCTION APPV	/11/
08/14/2001	932	TRF OPER RGTS FILED	WT HOWARD/L DREYFUS
08/22/2001	932	TRF OPER RGTS FILED	L DREYFUS/MARBOB
10/29/2001	933	TRF OPER RGTS APPROVED	01EFF 09/01/01;
10/29/2001	933	TRF OPER RGTS APPROVED	02EFF 09/01/01;
10/29/2001	974	AUTOMATED RECORD VERIF	MV
12/12/2001	817	MERGER RECOGNIZED	L DREYFUS/DOMINION
01/24/2002	932	TRF OPER RGTS FILED	EOG RESOURCES INC;1
01/24/2002	932	TRF OPER RGTS FILED	EOG RESOURCES INC;2
01/24/2002	932	TRF OPER RGTS FILED	EOG RESOURCES INC;3
02/13/2002	393	DEC ISSUED	VACATE 10/25/2000
02/13/2002	940	NAME CHANGE RECOGNIZED	PAC ENTPR USA/PAC ABC
03/05/2002	974	AUTOMATED RECORD VERIF	MCS
03/19/2002	933	TRF OPER RGTS APPROVED	01EFF 02/01/02;
03/19/2002	933	TRF OPER RGTS APPROVED	02EFF 02/01/02;
03/19/2002	933	TRF OPER RGTS APPROVED	03EFF 02/01/02;
03/19/2002	974	AUTOMATED RECORD VERIF	JLV
01/01/2003	621	RLTY RED-STRIPPER WELL	0.5%;/12/
02/09/2003	625	RLTY REDUCTION APPV	/12/
03/01/2004	621	RLTY RED-STRIPPER WELL	0.5%;/13/
04/01/2005	621	RLTY RED-STRIPPER WELL	0.5%;/4/
05/03/2005	932	TRF OPER RGTS FILED	WEBB ETAL/LOTHIAN O;1
05/03/2005	932	TRF OPER RGTS FILED	WEBB ETAL/LOTHIAN O;2
06/17/2005	933	TRF OPER RGTS APPROVED	(1)EFF 06/01/05;
06/17/2005	933	TRF OPER RGTS APPROVED	(2)EFF 06/01/05;
06/17/2005	974	AUTOMATED RECORD VERIF	ANN
07/07/2005	625	RLTY REDUCTION APPV	/13/
08/30/2005	974	AUTOMATED RECORD VERIF	ANN
05/23/2006	932	TRF OPER RGTS FILED	CHASE OIL/COG OIL &;1
07/21/2006	933	TRF OPER RGTS APPROVED	EFF 06/01/06;
07/21/2006	974	AUTOMATED RECORD VERIF	ANN
09/22/2006	625	RLTY REDUCTION APPV	/14/
11/15/2006	974	AUTOMATED RECORD VERIF	ANN
01/04/2007	932	TRF OPER RGTS FILED	DOMINION/LOBOS ENE;1
05/08/2007	933	TRF OPER RGTS APPROVED	EFF 02/01/07;
05/08/2007	974	AUTOMATED RECORD VERIF	ANN
01/15/2008	246	LEASE COMMITTED TO CA	NMNM120021;
04/01/2008	246	LEASE COMMITTED TO CA	NMNM120828;
10/06/2008	932	TRF OPER RGTS FILED	EOG RESOU/CHI ENERG;1
03/24/2009	933	TRF OPER RGTS APPROVED	EFF 11/01/08
03/24/2009	974	AUTOMATED RECORD VERIF	MV
02/15/2010	246	LEASE COMMITTED TO CA	NMNM125611;
03/17/2010	940	NAME CHANGE RECOGNIZED	COG O&G/COG OPER
11/01/2010	658	MEMO OF 1ST PROD-ACTUAL	/15/SKYHAWK 1 FED COM
04/18/2011	932	TRF OPER RGTS FILED	MARBOB E/COG OPERA;1
04/18/2011	932	TRF OPER RGTS FILED	MARBOB E/COG OPERA;2
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;2
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;3
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;4
06/24/2011	933	TRF OPER RGTS APPROVED	EFF: 05/01/2011;1
06/24/2011	933	TRF OPER RGTS APPROVED	EFF: 05/01/2011;2
06/24/2011	933	TRF OPER RGTS APPROVED	EFF: 05/01/2011;3

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06/24/2011	933	TRF OPER RGTS APPROVED	EFF: 05/01/2011;4
06/24/2011	974	AUTOMATED RECORD VERIF	MJD
07/12/2011	933	TRF OPER RGTS APPROVED	01 EFF 05/01/11;
07/12/2011	933	TRF OPER RGTS APPROVED	02 EFF 05/01/11;
07/12/2011	974	AUTOMATED RECORD VERIF	MV
09/02/2011	932	TRF OPER RGTS FILED	J M HUBER/BLACK STO;1
12/16/2011	933	TRF OPER RGTS APPROVED	EFF 10/01/11;
12/27/2011	974	AUTOMATED RECORD VERIF	ANN
01/01/2012	817	MERGER RECOGNIZED	BLK STN IV/BLK STN MI
07/12/2012	932	TRF OPER RGTS FILED	BLACK STO/BLACK STO;1
08/14/2012	933	TRF OPER RGTS APPROVED	EFF 08/01/12;
08/14/2012	974	AUTOMATED RECORD VERIF	DME
10/25/2013	140	ASGN FILED	PIONEER N/COG OPERA;1
12/02/2013	139	ASGN APPROVED	11/01/13;
12/02/2013	974	AUTOMATED RECORD VERIF	LBO
01/01/2014	246	LEASE COMMITTED TO CA	/1/NMNM133058;
05/30/2014	658	MEMO OF 1ST PROD-ACTUAL	/1/NMNM133058;
08/05/2014	643	PRODUCTION DETERMINATION	/1/

Serial Number: NMNM-- - 007752

Line Nr	Remarks
0002	SECTION 2(F) GRAYBURG FORMATION SHALL MEAN THE
0003	ESTABLISHED UNDERGROUND RESERVOIR, THE TOP OF WHICH
0004	IS FOUND AT 2416 FEET, AND THE BASE OF WHICH IS
0005	FOUND AT 2710 FEET, ON THE GAMMA RAY-NEUTRON LOG OF
0006	THE KEWANEE OIL COMPANY NUMBER 10 BEDINGFIELD WELL,
0007	LOCATED IN THE SWSE OF SEC 1, T 17 S, R 29 E, NMPM,
0008	INSOFAR AS THE SAME LIES WITHIN THE UNIT AREA
0009	LOC REQUESTED FROM DSC 3/4/91.
0010	3/18/91 - LOC RECEIVED FROM DSC
0011	3/21/91 - LOC RETURNED TO FINANCIAL INSTITUTION
0013	06/24/2011 - COG OPERATING
0015	12/16/2011 - TANDEM ENERGY CORP - NMB000563 - S/W;
0016	08/14/2012 BLACK STONE ENERGY CO BONDED ESB000200 NW
0017	COG OPERATING LLC NMB000740 S/W CFO ONLY;

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01 02-25-1920;041STAT0437;30USC181

Case Type 318310: O&G COMMUNITIZATION AGRMT

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres  
314.750

Serial Number  
NMNM-- - 133058

		<b>Serial Number: NMNM-- - 133058</b>	
<b>Name &amp; Address</b>		<b>Int Rel</b>	<b>% Interest</b>
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD
COG PRODUCTION LLC	600 W ILLINOIS AVE. ONE CONCHO CENTE	MIDLAND TX 79701	OPERATOR
			0.000000000
			100.000000000

		<b>Serial Number: NMNM-- - 133058</b>	
Mer Twp Rng Sec	STyp SNr Suff Subdivision	District/Field Office	County Mgmt Agency
23 0170S 0300E 007	ALIQ N2;	CARLSBAD FIELD OFFICE	EDDY BUREAU OF LAND MGMT

		<b>Serial Number: NMNM-- - 133058</b>	
<b>Act Date</b>	<b>Code</b>	<b>Action</b>	<b>Action Remark Pending Office</b>
01/01/2014	387	CASE ESTABLISHED	
01/01/2014	516	FORMATION	YESO
01/01/2014	525	ACRES-NONFEDERAL	0
01/01/2014	526	ACRES-FED INT 100%	100
01/01/2014	868	EFFECTIVE DATE	3001541815
05/30/2014	654	AGRMT PRODUCING	/1/
08/05/2014	643	PRODUCTION DETERMINATION	/1/
08/05/2014	658	MEMO OF 1ST PROD-ACTUAL	/1/

		<b>Serial Number: NMNM-- - 133058</b>	
<b>Line Nr</b>	<b>Remarks</b>		
	TOTAL	314.75	100.0
0001	RECAPITULATION EFFECTIVE 01/01/2014		
0002	TR# LEASE#	AC COMMITTED	% INT
0003	1A NM7752	74.75	10.92454329
0004	1B NM7752	74.75	12.82446386
0005	2 NM117122	240.00	76.25099285

COMMUNITIZATION AGREEMENT

WELL NAME: PARLIAMENT 1 FED COM UBB 4H

Contract No. \_\_\_\_\_

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

WITNESSETH:

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

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

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

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

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

Township 17 South, Range 29 East, N.M.P.M.

Section 1: S/2N/2

Eddy County, New Mexico

Containing 160.00 acres, and this agreement shall include only depths from the top of the Blinbry formation, at a depth of 4625 feet, to 500 feet below the top of the Blinbry formation lying within the Yeso Formation(s) underlying said lands and the crude oil and associated natural gas, hereinafter, referred to as "communitized substances", producible from such formation(s).

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit B, designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be

designated by the owners of the working interest in the communitized area, and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

All proceeds, 8/8ths, attributed to unleased Federal, State or fee land included within the CA area are to be placed in an interest earning escrow or trust account by the designated operator until the land is leased or ownership is established.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders rules or regulations.

10. The effective date of this agreement is October 1, 2014, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occurs in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

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

**Operator, Working Interest Owner, & Record**

**Title Owner:**

COG Operating LLC

By: \_\_\_\_\_

Mona D. Ables

Vice President of Land

**Record Title & Overriding Royalty Owners:**

Elliot Hall Company Limited Partnership

By: \_\_\_\_\_

Elliot Industries Limited Partnership

By: \_\_\_\_\_

Judith Helena Kriesberg, separate property

By: \_\_\_\_\_

Karen Paula Hecker, separate property

By: \_\_\_\_\_

Joanne Sue Hirsch, separate property

By: \_\_\_\_\_

**Overriding Royalty Owners:**

Wright Minerals, LLC

By: \_\_\_\_\_

Curtis W. Mewbourne, Trustee

By: \_\_\_\_\_

RRA Minerals, LLC

By: \_\_\_\_\_

Mary Carolyn Johnston, as her separate property

By: \_\_\_\_\_

Root Family Holdings, LLC.

By: \_\_\_\_\_

Peggy Runyan, separate property

By: \_\_\_\_\_

Charles E. Moser, as Co-Trustee of the Moser  
Revocable Trust u/a/d December 21, 1989, as  
amended

By: \_\_\_\_\_

Black Stone Minerals Company, L.P.

By: \_\_\_\_\_

Herbert E. Lowrey, as Co-Trustee of the  
Lowery Revocable Trust created under a Trust  
Agreement dated December 18, 1992

By: \_\_\_\_\_

Vicky J. Moser, as Co-Trustee of the Moser  
Revocable Trust u/a/d December 21, 1989, as  
amended

By: \_\_\_\_\_

Heirs of Kate G. Lowrey, a widow

By: \_\_\_\_\_

Alice S. Lowery, as Co-Trustee of the Lowrey  
Revocable Trust created under a Trust  
Agreement dated December 18, 1992

By: \_\_\_\_\_



ACKNOWLEDGEMENTS

STATE OF TEXAS                    )  
                                          )  
COUNTY OF MIDLAND            )

This instrument was acknowledged before me on \_\_\_\_\_, 2014, by Mona D. Ables, Vice President of Land, COG Operating LLC, a Delaware limited liability company, on behalf of same.

\_\_\_\_\_  
Notary Public

Individual Acknowledgement:

STATE OF \_\_\_\_\_            )  
                                          )  
COUNTY OF \_\_\_\_\_        )

This instrument was acknowledged before me on \_\_\_\_\_, 2014, by \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

Acknowledgment in Representative Capacity:

STATE OF \_\_\_\_\_            )  
                                          )  
COUNTY OF \_\_\_\_\_        )

This instrument was acknowledged before me on \_\_\_\_\_, 2014, by \_\_\_\_\_, as \_\_\_\_\_, of \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

EXHIBIT A

To Communitization Agreement dated October 1, 2014, embracing  
the S/2 N/2 of Section 1, Township 17 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

<b>Tract 1</b> <b>NMNM-7752</b> Parliament 1 Fed Com UBB#4H SHL: 2310 FNL & 150 FEL BHL: 2310 FNL & 330 FWL	<b>Tract 2</b> <b>NMNM-7752</b>	<b>Tract 3</b> <b>NMNM-013814</b>	

EXHIBIT B

To Communitization Agreement dated October 1, 2014, embracing  
the S/2 N/2 of Section 1, Township 17 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

OPERATOR OF COMMUNITIZED AREA: COG Operating LLC

DESCRIPTION OF LEASES COMMITTED:

TRACT 1A:

Lessor:	United States of America	
Original Lessee:	Louis J. Root	
Owner of Record Title:	COG Operating LLC	100.0000%
Serial Number of Lease	NM-7752	
Lease Date:	December 31, 1938	
Primary Term of Lease:	5 years	
Basic Royalty Rate:	Step Scale Royalty Base 12.5%	
Description of Land Committed:	Insofar as said lease covers <u>Township 17 South, Range 29 East</u> Section 1: S/2NW/4	
Number of Acres:	Containing 80.00 acres, more or less	
Name of Each Working Interest Owner:	<u>Owners above 5000 ft.</u> COG Operating LLC	100.0000%
Name of Each Overriding Royalty Interest Owner:	<u>Owners above 5000 ft.</u> Kate G. Lowrey RRA Minerals, LLC Mary Carolyn Johnston Root Family Holdings, LLC Peggy Runyan Charles E. Moser and Vicky J. Moser, Trustees of the Moser Revocable Trust u/a/d December 21, 1989, as amended	1.00000% 0.12500% 0.12500% 6.25000% 2.50000% 2.50000%

TRACT 1B:

Lessor:	United States of America	
Original Lessee:	Louis J. Root	
Owner of Record Title:	COG Operating LLC	100.0000%
Serial Number of Lease	NM-7752	

Lease Date:	December 31, 1938	
Primary Term of Lease:	5 years	
Basic Royalty Rate:	Step Scale Royalty Base 12.5%	
Description of Land Committed:	Insofar as said lease covers <u>Township 17 South, Range 29 East</u> Section 1: S/2NW/4	
Number of Acres:	Containing 80.00 acres, more or less	
Name of Each Working Interest Owner:	<u>Owners below 5000 ft.</u> COG Operating LLC	100.0000%
Name of Each Overriding Royalty Interest Owner:	<u>Owners below 5000 ft.</u> Herbert Lowery and Alice S. Lowery, Co-Trustees of the Lowery Revocable Trust created u/t/a dated 12/18/1992 RRA Minerals, LLC Mary Carolyn Johnston Root Family Holdings, LLC Black Stone Minerals Company, L.P.	1.000000% 0.125000% 0.125000% 6.250000% 5.000000%

TRACT 2A:

Lessor:	United States of America	
Original Lessee:	Louis J. Root	
Owner of Record Title:	COG Operating LLC	100.0000%
Serial Number of Lease	NM-7752	
Lease Date:	December 31, 1938	
Primary Term of Lease:	5 years	
Basic Royalty Rate:	Step Scale Royalty Base 12.5%	
Description of Land Committed:	Insofar as said lease covers <u>Township 17 South, Range 29 East</u> Section 1: SW/4NE/4	
Number of Acres:	Containing 40.00 acres, more or less	
Name of Each Working Interest Owner:	<u>Owners above 5000 ft.</u> COG Operating LLC	100.0000%
Name of Each Overriding Royalty Interest Owner:	<u>Owners above 5000 ft.</u> Kate G. Lowrey RRA Minerals, LLC Mary Carolyn Johnston Root Family Holdings, LLC Peggy Runyan	1.000000% 0.125000% 0.125000% 6.250000% 2.500000%

Charles E. Moser and Vicky J. Moser, Trustees of the Moser Revocable Trust u/a/d December 21, 1989, as amended	2.50000%
----------------------------------------------------------------------------------------------------------------------	----------

TRACT 2B:

Lessor:	United States of America	
Original Lessee:	Louis J. Root	
Owner of Record Title:	COG Operating LLC	100.0000%
Serial Number of Lease	NM-7752	
Lease Date:	December 31, 1938	
Primary Term of Lease:	5 years	
Basic Royalty Rate:	Step Scale Royalty Base 12.5%	
Description of Land Committed:	Insofar as said lease covers <u>Township 17 South, Range 29 East</u> Section 1: SW/4NE/4	
Number of Acres:	Containing 40.00 acres, more or less	
Name of Each Working Interest Owner:	<u>Owners below 5000 ft</u> COG Operating LLC	100.0000%
Name of Each Overriding Royalty Interest Owner:	<u>Owners below 5000 ft</u> Herbert Lowery and Alice S. Lowery, Co- Trustees of the Lowery Revocable Trust created u/t/a dated 12/18/1992	1.00000%
	RRA Minerals, LLC	0.12500%
	Mary Carolyn Johnston	0.12500%
	Root Family Holdings, LLC	6.25000%
	Black Stone Minerals Company, L.P.	5.00000%
	Curtis W. Mewbourne, Trustee	2.00000%

TRACT 3:

Lessor:	United States of America	
Original Lessee:	Hoover H. Wright	
Owner of Record Title:	Elliot-Hall Company	37.50000%
	Elliot Industries Limited Partnership	37.50000%
	Karen Paula Hecker	8.33333%
	Judith Helena Kreisberg	8.33333%
	Joanne Sue Hirsch	8.33333%
Serial Number of Lease	NM-013814	
Lease Date:	September 1, 1958	
Primary Term of Lease:	5 years	

Basic Royalty Rate:	Step Scale Royalty Base 12.5%	
Description of Land Committed:	Insofar as said lease covers <u>Township 17 South, Range 29 East</u> Section 1: SE/4NE/4	
Number of Acres:	Containing 40.00 acres, more or less	
Name of Each Working Interest Owner:	COG Operating LLC	100.00000%
Name of Each Overriding Royalty Interest Owner:	Wright Minerals, LLC	1.00000%
	Joanne Sue Hirsch	1.27778%
	Judith Helena Kriesberg	1.27778%
	Karen Paula Hecker	1.27778%
	Elliot Hall Company Limited Partnership	3.83333%
	Elliot Industries Limited Partnership	3.83333%
	Curtis W. Mewbourne, Trustee	2.00000%

### RECAPITULATION

Tract numbers	Number of Acres Committed	Percentage of Interest in Communitized Area
Tract No. 1A	80.00	37.50%
Tract No. 1B	0.00	12.50%
Tract No. 2A	40.00	18.75%
Tract No. 2B	0.00	6.25%
<u>Tract No. 3</u>	<u>40.00</u>	<u>25.00%</u>
Total:	160.00	100.00%

\*Due to varied ownership as to depths above and below 5,000', Tract No. 1B and 2B cover the same acreage as Tract No. 1A and 2A, respectively.

munds 12H/21H

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
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Run Date: 02/13/2015

01 02-25-1920;041STAT0437;30USC226

Case Type 311111: O&amp;G LSE NONCOMP PUB LAND

Commodity 459: OIL &amp; GAS

Case Disposition: AUTHORIZED

Total Acres

312.970

Serial Number

NMNM-- 0 013814

Name & Address			Serial Number: NMNM-- 0 013814		Int Rel	% Interest
ARROWHEAD OIL CORP	PO BOX 548	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000		
BECK ROBERT H	PO BOX 1897	ROSWELL NM 882021897	OPERATING RIGHTS	0.000000000		
CARNES JIM	5338 W OLNEY	LEVEEN AZ 85338	OPERATING RIGHTS	0.000000000		
ELLIOTT HALL CO UT LP	PO BOX 1231	OGDEN UT 844021231	OPERATING RIGHTS	0.000000000		
ELLIOTT HALL CO UT LP	PO BOX 1231	OGDEN UT 844021231	LESSEE	37.500000000		
ELLIOTT INDUSTRIES LTD	PO BOX 1328	SANTA FE NM 875041328	LESSEE	37.500000000		
PTNRSH						
ELLIOTT INDUSTRIES LTD	PO BOX 1328	SANTA FE NM 875041328	OPERATING RIGHTS	0.000000000		
PTNRSH						
EOG RESOURCES INC	PO BOX 4362	HOUSTON TX 772104362	OPERATING RIGHTS	0.000000000		
GENERAL OIL CO	1540 N BROADWAY #202	WICHITA KS 67214	OPERATING RIGHTS	0.000000000		
HECKER KAREN	9504 LAURLIN CT	VIENNA VA 221821457	LESSEE	8.333400000		
HIRSCH JOANNE S	3237 WORTHINGTON ST NW	WASHINGTON DC 200152354	LESSEE	8.333300000		
KREISBERG JUDITH H	310 W WALL ST STE 305	MIDLAND TX 797015117	LESSEE	8.333300000		
LOTHIAN OIL INC	303 W WALL #500	MIDLAND TX 79701	OPERATING RIGHTS	0.000000000		
MACK C CHASE TRUSTEE	PO BOX 693	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000		
MOREXCO INC	PO BOX 481	ARTESIA NM 882110481	OPERATING RIGHTS	0.000000000		
NORTON T W	1601 E 2ND ST	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000		
PIERCE JIM	200 W 1ST CT #859	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000		
REAL WELL SERVICE	PO BOX 191	ARTESIA NM 88211	OPERATING RIGHTS	0.000000000		
SOUTHEASTERN PETRO	PO BOX 1893	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000		
THE TOLES CO	PO BOX 1300	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000		
WALKER OG CORP	BOX 1	ROSWELL NM 88202	OPERATING RIGHTS	0.000000000		
WRIGHT WINFIELD	1208 N GRAND AVE	ROSWELL NM 88201	OPERATING RIGHTS	0.000000000		

Serial Number: NMNM-- 0 013814

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0290E	001	ALIQ	SENE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0290E	001	LOTS	1;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	ALIQ	S2NE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	LOTS	1,2,4,5;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 013814

Act Date	Code	Action	Action Remark	Pending Office
11/04/1953	124	APLN RECD		
09/01/1958	496	FUND CODE	05;145003	
09/01/1958	530	RLTY RATE - 12 1/2%		
09/01/1958	868	EFFECTIVE DATE		
09/12/1958	237	LEASE ISSUED		
08/05/1961	650	HELD BY PROD - ACTUAL		
08/05/1961	658	MEMO OF 1ST PROD-ACTUAL		
08/11/1982	932	TRF OPER RGTS FILED		
08/24/1982	932	TRF OPER RGTS FILED		
10/29/1982	933	TRF OPER RGTS APPROVED	(1) EFF 09/01/82;	
10/29/1982	933	TRF OPER RGTS APPROVED	(2) EFF 09/01/82;	
01/12/1987	932	TRF OPER RGTS FILED		
03/09/1987	933	TRF OPER RGTS APPROVED	EFF 02/01/87;	
03/17/1987	963	CASE MICROFILMED	CNUM 100,896	RW
02/10/1988	974	AUTOMATED RECORD VERIF		GB/CS
03/30/1989	932	TRF OPER RGTS FILED		

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM



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04/12/1989	933	TRF OPER RGTS APPROVED	EFF 04/01/89;
04/12/1989	974	AUTOMATED RECORD VERIF	TF/MT
05/02/1989	909	BOND ACCEPTED	EFF 05/02/89;NM1583
06/24/1991	932	TRF OPER RGTS FILED	(1)KINCAID/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	(2)KINCAID/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	FITTING R D/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	GCI PROD/ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	KLINE M A /ARROWHEAD
06/24/1991	932	TRF OPER RGTS FILED	PEARSON/ARROWHEAD
08/28/1991	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(3)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(4)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(5)EFF 07/01/91;
08/28/1991	933	TRF OPER RGTS APPROVED	(6)EFF 07/01/91;
08/28/1991	974	AUTOMATED RECORD VERIF	CM/JG
01/22/1992	974	AUTOMATED RECORD VERIF	BW/MT
05/18/1992	974	AUTOMATED RECORD VERIF	BTM/MV
06/26/1992	575	APD FILED	SOUTHEASTERN PETR CE
07/07/1992	576	APD APPROVED	APACHE FED NO 1
07/28/1992	909	BOND ACCEPTED	EFF 07/27/92;NM2049
07/28/1992	974	AUTOMATED RECORD VERIF	SSP/MV
10/01/1992	621	RLTY RED-STRIPPER WELL	1.3%;/1/
01/15/1993	625	RLTY REDUCTION APPV	/1/
03/04/1993	932	TRF OPER RGTS FILED	ELLIOTT ETAL/SE PETRO
03/04/1993	932	TRF OPER RGTS FILED	SE PETRO/BECK ETAL
03/22/1993	933	TRF OPER RGTS APPROVED	(1)EFF 04/01/93;
03/22/1993	933	TRF OPER RGTS APPROVED	(2)EFF 04/01/93;
03/22/1993	974	AUTOMATED RECORD VERIF	TF/KRP
04/26/1993	974	AUTOMATED RECORD VERIF	TF/JS
09/07/1993	932	TRF OPER RGTS FILED	KINCAID/ARROWHEAD
09/23/1993	974	AUTOMATED RECORD VERIF	ANN
10/12/1993	932	TRF OPER RGTS FILED	SE PETRO/WALKER O&G
11/18/1993	933	TRF OPER RGTS APPROVED	EFF 10/01/93;
11/18/1993	974	AUTOMATED RECORD VERIF	BCO/KRP
01/10/1994	933	TRF OPER RGTS APPROVED	EFF 11/01/93;
01/10/1994	974	AUTOMATED RECORD VERIF	JDS
01/18/1994	932	TRF OPER RGTS FILED	ELLIOTT/ENRON
02/25/1994	909	BOND ACCEPTED	EFF 02/04/94;NM2285
03/04/1994	932	TRF OPER RGTS FILED	ARROWHEAD/CHASE TR
03/18/1994	933	TRF OPER RGTS APPROVED	EFF 02/01/94;
03/18/1994	974	AUTOMATED RECORD VERIF	MV/MV
05/09/1994	933	TRF OPER RGTS APPROVED	EFF 04/01/94;
05/09/1994	974	AUTOMATED RECORD VERIF	JLV
05/23/1994	932	TRF OPER RGTS FILED	CHASE/WEBB OIL CO
07/18/1994	933	TRF OPER RGTS APPROVED	EFF 06/01/94;
07/18/1994	974	AUTOMATED RECORD VERIF	ANN
08/01/1994	932	TRF OPER RGTS FILED	BECK ETAL/MOREXCO
12/05/1994	933	TRF OPER RGTS APPROVED	EFF 09/01/94;
12/05/1994	974	AUTOMATED RECORD VERIF	GSB
05/08/1995	974	AUTOMATED RECORD VERIF	AR
04/21/1997	140	ASGN FILED	ELLIOTT/ELLIOTT
05/19/1997	139	ASGN APPROVED	EFF 05/01/97;
05/19/1997	974	AUTOMATED RECORD VERIF	ANN
01/20/1998	932	TRF OPER RGTS FILED	ELLIOTT ETAL/ENRON

Munds 12H/21H

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page

Run Time: 08:28 AM

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Run Date: 02/13/2015

01/20/1998	932	TRF OPER RGTS FILED	ENRON/ELLIOTT ETAL
01/30/1998	933	TRF OPER RGTS APPROVED	(1)EFF 02/01/98;
01/30/1998	933	TRF OPER RGTS APPROVED	(2)EFF 02/01/98;
01/30/1998	974	AUTOMATED RECORD VERIF	LR
08/30/1999	817	MERGER RECOGNIZED	EOG RES/ENRON O&G CO
08/30/1999	940	NAME CHANGE RECOGNIZED	ENRON O&G CO/EOG RES
11/15/2001	940	NAME CHANGE RECOGNIZED	ELLIOTT CO/LTD PTNRSH
05/03/2005	932	TRF OPER RGTS FILED	WEBB ETAL/LOTHIAN O;1
06/17/2005	933	TRF OPER RGTS APPROVED	EFF 06/01/05;
06/17/2005	974	AUTOMATED RECORD VERIF	ANN
01/15/2008	246	LEASE COMMITTED TO CA	CA NM-120021
02/15/2010	246	LEASE COMMITTED TO CA	CA NM125611
05/28/2013	396	TRF OF INTEREST FILED	MJ&SF SONOSKY/HEIRS;
06/13/2013	974	AUTOMATED RECORD VERIF	JA;

Serial Number: NMNM-- 0 013814

Line Nr	Remarks
0002	BONDED OPERATORS -
0003	01/30/1998 - MOREXCO INC - NM1583 - S/W
0004	06/17/2005 - RODNEY B WEBB NMB000274 S/W

munds 12 H / 21 H

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 08:31 AM

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Run Date: 02/13/2015

01 02-25-1920;041STAT0437;30USC181

Total Acres

Serial Number

Case Type 318310: O&amp;G COMMUNITIZATION AGRMT

312.740

NMNM-- - 120021

Commodity 410: NATURAL GAS

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 120021

Name & Address	Int Rel	% Interest
BLM CARLSBAD FO COG OIL & GAS LP	620 E GREENE ST 550 W TEXAS AVE STE 1300 CARLSBAD NM 88220 MIDLAND TX 797014210	OFFICE OF RECORD OPERATOR 0.000000000 100.000000000

Serial Number: NMNM-- - 120021

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0300E	006	ALIQ	S2NE, SENW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0300E	006	LOTS	1,2,3,4,5;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 120021

Act Date	Code	Action	Action Remark	Pending Office
01/15/2008	387	CASE ESTABLISHED		
01/15/2008	516	FORMATION	ATOK; ATOKA	
01/15/2008	516	FORMATION	MRRW06; MORROW	
01/15/2008	516	FORMATION	STRN06; STRAWN	
01/15/2008	516	FORMATION	WCAP; WOLFCAMP	
01/15/2008	526	ACRES-FED INT 100%	312.74; 100.00%	
01/21/2008	654	AGRMT PRODUCING	NMNM7752; 1 SIX PACK F	
01/21/2008	868	EFFECTIVE DATE	/A/	
02/15/2008	580	PROPOSAL RECEIVED	CA RECD;	
02/20/2008	334	AGRMT APPROVED		
02/20/2008	974	AUTOMATED RECORD VERIF	DRG	

Serial Number: NMNM-- - 120021

Line Nr	Remarks
0001	/A/RECAPITULATION EFFECTIVE 01/15/2008
0002	TR# LEASE SERIAL NO AC COMMITTED % INTEREST
0003	1 NMNM 013814 232.96 74.4900
0004	2 NMNM 7752 79.78 25.5100
0005	TOTAL 312.74 100.0000

munds 12H/21H

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 08:43 AM

Page 1 of 1

Run Date: 02/13/2015

01 02-25-1920;041STAT0437;30USC226

Total Acres

Serial Number

Case Type 311111: O&amp;G LSE NONCOMP PUB LAND

120.230

NMLC-- 0 064222

Commodity 459: OIL &amp; GAS

Case Disposition: AUTHORIZED

Serial Number: NMLC-- 0 064222

Name & Address	Int Rel	% Interest
SLAYTON PAUL BOX 2035 ROSWELL NM 882022035	LESSEE	100.00000000

Serial Number: NMLC-- 0 064222

Mer Twp Rng Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0170S 0290E 001	LOTS		24;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMLC-- 0 064222

Act Date	Code	Action	Action Remark	Pending Office
11/27/1945	124	APLN RECD		
02/01/1951	237	LEASE ISSUED		
02/01/1951	496	FUND CODE	05;145003	
02/01/1951	530	RLTY RATE - 12 1/2%		
02/01/1951	868	EFFECTIVE DATE		
12/09/1957	643	PRODUCTION DETERMINATION	/1/	
12/09/1957	650	HELD BY PROD - ACTUAL	/1/	
12/09/1957	658	MEMO OF 1ST PROD-ACTUAL	/1/	
03/25/1958	102	NOTICE SENT-PROD STATUS		
04/24/1987	974	AUTOMATED RECORD VERIF		GEA/MT
06/02/1987	963	CASE MICROFILMED	CNUM 101,402	DS
05/26/1988	140	ASGN FILED	FEATHERSTONE/SLAYTON	
06/20/1988	139	ASGN APPROVED	EFF 06/01/88;	
06/20/1988	974	AUTOMATED RECORD VERIF		MCS/TF
07/17/1991	909	BOND ACCEPTED	EFF 07/09/91;NM1903	
02/15/2010	246	LEASE COMMITTED TO CA	NMNM125611;	
11/01/2010	643	PRODUCTION DETERMINATION	/2/	
11/01/2010	660	MEMO OF 1ST PROD-ALLOC	/2/NMNM125611;	

Serial Number: NMLC-- 0 064222

Line Nr	Remarks
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mnuds 12H / 21H

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 08:33 AM

Page 1 of 1

Run Date: 02/13/2015

01 02-25-1920;041STAT0437;30USC181

**Total Acres**  
320.060

**Serial Number**  
NMNM-- - 125611

Case Type 318310: O&G COMMUNITIZATION AGRMT

Commodity 410: NATURAL GAS

Case Disposition: AUTHORIZED

**Serial Number: NMNM-- - 125611**

Name & Address			Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
MEWBOURNE OIL CO	PO BOX 7698	TYLER TX 757117698	OPERATOR	100.000000000

**Serial Number: NMNM-- - 125611**

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0290E	001	ALIQ	E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

**Serial Number: NMNM-- - 125611**

Act Date	Code	Action	Action Remark	Pending Office
02/15/2010	868	EFFECTIVE DATE		
10/13/2010	387	CASE ESTABLISHED		
10/13/2010	516	FORMATION	MORROW	
10/13/2010	526	ACRES-FED INT 100%	320.06	
10/13/2010	654	AGRMT PRODUCING		
11/01/2010	658	MEMO OF 1ST PROD-ACTUAL		
11/03/2010	334	AGRMT APPROVED		

**Serial Number: NMNM-- - 125611**

Line Nr	Remarks			
0001	/A/ RECAPITULATION EFFECTIVE 02/15/2010			
0002	TR#1 LEASE SERIAL#	AC ACCOMMITTED	%INTEREST	
0003	1 NM7752	120.00	37.50	
0004	2 NM7754	40.00	12.50	
0005	3 LC064222	40.05	12.51	
0006	4 NM013814	80.01	24.99	
0007	5 NM016786	40.00	12.50	
0008	TOTAL	320.06	100.00	

Parliament 1 Federal com 4H - Notices

Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Paul Slayton and wife, Patricia   3507 63rd Drive, Lubbock, TX 79413   , GC# 91 7199 9991 7033 2438 1571
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Wright Minerals, LLC   PO Box 2312, Santa Fe, NM 87504   GC# 91 7199 9991 7033 2438 1588
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Joanne Sue Hirsch   5071 Isabella Cannon Dr., Raleigh, NC 27612   GC# 91 7199 9991 7033 2438 1595
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Judith Helena Kriesberg   15233 Magnolia Blvd., Apt. #305, Sherman Oaks, CA 91403   GC# 91 7199 9991 7033 2438 1601
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Karen Paula Hecker   9504 Laurin Ct., Vienna, VA 22182   GC# 91 7199 9991 7033 2438 1618
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Elliot Hall Company LP   PO Box 1231, Ogden, UT 84402   GC# 91 7199 9991 7033 2438 1625
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Elliot Industries LP   PO Box 1328, Santa Fe, NM 87504   GC# 91 7199 9991 7033 2438 1632
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Curtis W. Mewbourne, TTE   PO Box 7698, Tyler, TX 75711-7698   GC# 91 7199 9991 7033 2438 1649
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Herbert F. Lowery and Alice S. Lowery, Co-Trustees of the Lowery Revocable Trust created u/t/a dated 12/18/1992   7501 E. Thompson Peak Parkway, Unit 309, Scottsdale, Arizona 85255-4535   GC# 91 7199 9991 7033 2438 1656
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to RRA Minerals LLC   2214 Toll Gate Road SE, Huntsville, AL 35801-1833   GC# 91 7199 9991 7033 2438 1663
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Mary Carlyn Johnson   320 OAKBROOK LN., Greenwood, IN 46142-3065   , GC# 91 7199 9991 7033 2438 1670
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Root Family Holdings, LLC   13655 Duluth Drive, Apple Valley, Minnesota 55124   GC# 91 7199 9991 7033 2438 1687
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Peggy Runyan   PO Box 869, Kapaa, Hawaii 96746-8705   GC# 91 7199 9991 7033 2438 1694
Commingle Notice w/ C107B	<b>Parliament 1 Fed Com 4H CTB</b>	Sent Certified Mail to Moser Rev. Trust, UTA 12/21/1989, as Amended, Attn: TTE Charles E. Moser & Vlcky J. Moser GC#   3555 Comal Springs Canyon Lake, TX 78133   91 7199 9991 7033 2438 1700

## LEGAL NOTICE

COG Operating, LLC is applying to surface commingle four oil wells to a central tank battery in Eddy County, New Mexico with gas sales off lease. The central tank battery is located at the Parliament 1 Federal Com #4H well. The four wells, details, and locations are the following:

Parliament 1 Federal Com 13H, located in the northwest quarter of section 6, T17S, R30E, Lot 5, 1476' FNL & 257' FWL, API# 30-015-41817.

Parliament 1 Federal Com 4H, located in the northeast quarter of section 1, T17S, R29E, Unit H, 2310' FNL & 150' FEL, API# 30-015-42647.

Munds 1 Federal Com 21H, located in the northeast quarter of section 1, T17S, R29E, Lot 1, 310' FNL & 190' FEL, API# 30-015-41564.

Munds 1 Federal Com 12H, located in the northeast quarter of section 1, T17S, R29E, Lot 1, 890' FNL & 295' FEL, API# 30-015-41565.

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 20 days. Additional information can be obtained by contacting Kanicia Castillo, COG Operating LLC, One Concho Center, 600 W Illinois Ave, Midland, TX 79701. Phone number is 432-685-4332.

Published in the Artesia Daily Press, Artesia, N.M., April 8, 2015 Legal No. 23423.

Parliament 1 Federal Com 4H  
Production Data

Daily Prod Entity Name	Prod Date	Oil Volume	Gas Volume	Water Volume
PARLIAMENT 1 FEDERAL COM #4H UBB	02/25/2015	0.0000	0.0000	0.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/24/2015	191.0900	122.0000	371.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/23/2015	30.6900	24.1000	64.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/22/2015	198.7700	120.0000	406.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/21/2015	189.0000	106.0000	404.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/20/2015	38.3500	50.0000	30.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/19/2015	121.3500	101.0000	261.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/18/2015	181.3300	123.0000	356.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/17/2015	177.8500	130.0000	367.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/16/2015	172.9600	138.0000	365.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/15/2015	215.5100	142.0000	435.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/14/2015	214.8100	142.0000	445.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/13/2015	279.9000	155.0000	559.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/12/2015	80.0900	64.0000	147.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/11/2015	138.7700	73.0000	241.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/10/2015	179.5100	118.0000	305.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/09/2015	189.8500	154.0000	543.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/08/2015	176.7400	94.0000	306.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/07/2015	118.7500	95.0000	275.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/06/2015	233.3500	177.0000	502.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/05/2015	96.6600	33.0000	180.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/04/2015	209.8800	138.0000	368.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/03/2015	218.1700	138.0000	438.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/02/2015	223.6800	139.0000	460.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	02/01/2015	210.5600	136.0000	411.0000
Monthly Average:		163.5048	108.4840	329.5600
PARLIAMENT 1 FEDERAL COM #4H UBB	01/31/2015	247.1600	128.0000	471.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/30/2015	207.8700	121.0000	442.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/29/2015	209.2800	120.0000	471.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/28/2015	225.1600	127.0000	468.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/27/2015	208.5700	129.0000	440.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/26/2015	260.5800	124.0000	508.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/25/2015	229.2400	139.0000	511.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/24/2015	212.7400	89.0000	306.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/23/2015	215.4100	155.0000	433.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/22/2015	280.5000	185.0000	579.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/21/2015	321.7600	191.0000	669.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/20/2015	347.7200	195.0000	717.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/19/2015	260.6100	151.0000	473.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/18/2015	349.7300	208.0000	679.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/17/2015	361.9700	211.0000	703.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/16/2015	413.7300	220.0000	777.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/15/2015	410.2100	237.0000	810.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/14/2015	533.7600	249.0000	782.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/13/2015	374.9900	259.0000	952.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/12/2015	460.4800	202.0000	920.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/11/2015	398.9700	211.0000	671.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/10/2015	603.2900	262.0000	1,037.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/09/2015	633.5700	299.0000	1,820.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/08/2015	509.1400	209.0000	702.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/07/2015	320.6500	52.0000	1,120.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/06/2015	207.1100	226.0000	533.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/05/2015	241.2900	136.0000	792.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/04/2015	46.9500	140.0000	258.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/03/2015	347.2700	223.0000	1,343.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/02/2015	35.9000	24.0000	389.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	01/01/2015	17.9500	20.0000	0.0000
Monthly Average:		306.2439	169.0968	670.1935
PARLIAMENT 1 FEDERAL COM #4H UBB	12/31/2014	190.0800	53.0000	143.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/30/2014	486.2700	258.0000	1,626.0000



Parliament 1 Federal Com 4H  
Production Data

PARLIAMENT 1 FEDERAL COM #4H UBB	12/29/2014	406.0400	22.0000	1,879.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/28/2014	66.4300	28.0000	2,406.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/27/2014	0.0000	45.0000	2,480.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/26/2014	0.0000	16.0000	2,258.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/25/2014	0.0000	9.0000	1,949.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/24/2014	0.0000	0.0000	2,138.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/23/2014	0.0000	0.0000	0.0000
PARLIAMENT 1 FEDERAL COM #4H UBB	12/22/2014	0.0000	0.0000	0.0000
Monthly Average:		114.8820	43.1000	1,487.9000

New well hung on 12/23/14

## McMillan, Michael, EMNRD

---

**From:** Kanicia Castillo <kcastillo@concho.com>  
**Sent:** Monday, April 13, 2015 9:27 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** FW: Parliament Surface commingling application

Michael,

Please see the answer to your question below.

Thank you,

*Kanicia Castillo*

**Lead Regulatory Analyst**  
**COG OPERATING LLC**

One Concho Center  
600 W. Illinois Avenue  
Midland, TX 79701  
P.432.685.4332  
F.432.221.0858



---

**From:** Cassie Schmitz  
**Sent:** Monday, April 13, 2015 10:21 AM  
**To:** Kanicia Castillo  
**Subject:** RE: Parliament Surface commingling application

The Parliament 1 Federal Com UBB #004H, Munds 1 Federal Com #021H, and the Munds 1 Federal Com #012H will be measured and the Parliament 1 Federal Com #013H will be subtracted.

Thanks,

*Cassie Schmitz*

**Sr. Facilities Engineer**  
**COG OPERATING LLC**

Office: (432) 688-6682  
Cell: (432) 214-1511  
[cschmitz@concho.com](mailto:cschmitz@concho.com)



---

**From:** Kanicia Castillo  
**Sent:** Monday, April 13, 2015 10:13 AM  
**To:** Cassie Schmitz  
**Subject:** FW: Parliament Surface commingling application

Cassie,

Will you please answer the question below?

Thanks,

*Kanicia Castillo*

**Lead Regulatory Analyst**

**COG OPERATING LLC**

One Concho Center

600 W. Illinois Avenue

Midland, TX 79701

P.432.685.4332

F.432.221.0858



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**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]

**Sent:** Friday, April 10, 2015 2:33 PM

**To:** Kanicia Castillo

**Subject:** Parliament Surface commingling application

Ms. Castillo:

I received your Parliament Surface commingling application today.

Can you clarify which three wells will be measured, and which well will be based on subtraction? I assume the Method will be similar to the Falabella surface commingle application.

Thank You

**Michael A. McMillan**

Engineering and Geological Services Bureau, Oil Conservation Division

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

O: 505.476.3448 F: 505.476.3462

[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

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