

ABOVE THIS LINE FOR DIVISION USE ONLY

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



COG Operating LLC  
 Houma State #7  
 5912

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

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

[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

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

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

[D] Other: Specify \_\_\_\_\_

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners INTERESTS ARE COMMON.

[B] ☐ Offset Operators, Leaseholders or Surface Owner

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

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

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

[F] ☐ Waivers are Attached

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

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

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

PHYLLIS A. EDWARDS  
 Print or Type Name

*Phyllis A. Edwards*  
 Signature

REGULATORY ANALYST  
 Title

8-1-08  
 Date

pedwards@conchoresources.com  
 e-mail Address

RECEIVED  
 2008 AUG 4 PM 2 04

**Houma State #7  
Eddy County, NM**

COG proposes to drill a **VERTICAL** NW /4, 40 acre spacing  
Loco Hills; Glorieta-Yeso oil well      TD of approximately 6000'  
1450' FNL & 2310' FWL      Sec 16, T17S, R30E, Unit F  
This well had to be drilled at a non-standard location due to pipeline  
constrictions.

The plan for this well is to complete it in the Yeso formation.  
We won't know the exact perms until we drill & log it, but it will be very similar to  
the Houma State #2 (1650 FNL, 1650 FWL, Sec 16, T17S, R30E, Unit F)  
completed in December 2006. The Houma State #2 completion broke the Yeso  
up into 4 perf/stimulation intervals. At this time, we assume the Houma State #7  
will be very similar.

Houma State #2 has perms from: 4402' – 5785' overall, but broken up into 4  
separate intervals, with 4 separate fracs

1<sup>st</sup> interval: 5568' – 5785',  
acidized w/ 2500 gals,  
frac'd w/ 95,340 gals Viking hybrid gel, 8,004 # LiteProp 125 14/30, 73,046#  
white sand 16/30, 13,403# SiberProp 16/30

2<sup>nd</sup> interval: 5201' – 5471',  
acidized w/ 3000 gals,  
frac'd w/ 90,500 gals Viking hybrid gel, 8,012# LiteProp 125 14/30, 74,880# white  
sand 16/30, 15,440# SiberProp 16/30

3<sup>rd</sup> interval: 4812' – 5115',  
acidized w/ 3000 gals,  
frac'd w/ 101,346 gals Viking hybrid gel, 8,032# LiteProp 125 14/30, 75,060#  
white sand 16/30, 15,020# SiberProp 16/30

4<sup>th</sup> interval: 4402' – 4680',  
acidized w/ 2500 gals,  
frac'd w/ 6002 Linear Gel; 81,497 gals. Sand laden Linear Gel; 4368 gals Flush;  
8000# Liteprop 125 14/30 sand; 74,860# 16/30 White sand; 15,480# SiberProp  
16/30 sand.

**Attachment 1**

Plat showing pipeline

**Attachment 2**

Map & legend of offset wells.

**Attachment 3**

Land plat showing that COG Operating LLC owns offset acreage (NW/4 of  
Section 16).

The acreage we are encroaching on is the NE/4 of the NW/4 of Section 16.  
COG Operating LLC respectfully requests permission to have this NSL approved.

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Revised October 12, 2005  
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

|                         |                                     |                                        |
|-------------------------|-------------------------------------|----------------------------------------|
| API Number<br>30-015-   | Pool Code<br>96718                  | Pool Name<br>LOCO HILLS; GLORIETA YESO |
| Property Code<br>302505 | Property Name<br>HOUMA STATE        | Well Number<br>7                       |
| OGRID No.<br>229137     | Operator Name<br>COG OPERATING, LLC | Elevation<br>3685'                     |

Surface Location

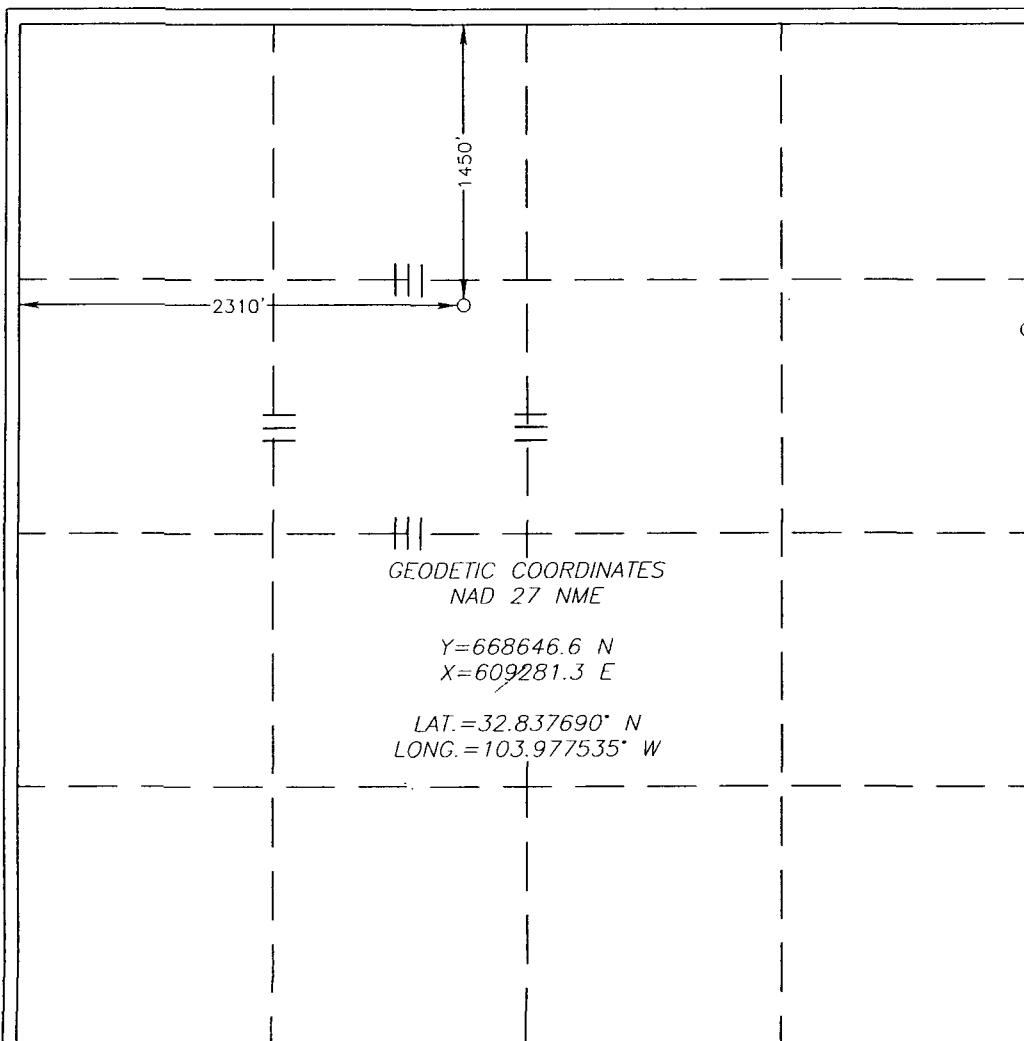
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 16      | 17-S     | 30-E  |         | 1450          | NORTH            | 2310          | WEST           | EDDY   |

Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                       |                 |                    |           |
|-----------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>40 | Joint or Infill | Consolidation Code | Order No. |
|-----------------------|-----------------|--------------------|-----------|

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



OPERATOR CERTIFICATION

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

*Phyllis A. Edwards* 8-1-08  
Signature Date

PHYLLIS A. EDWARDS

Printed Name  
REGULATORY ANALYST

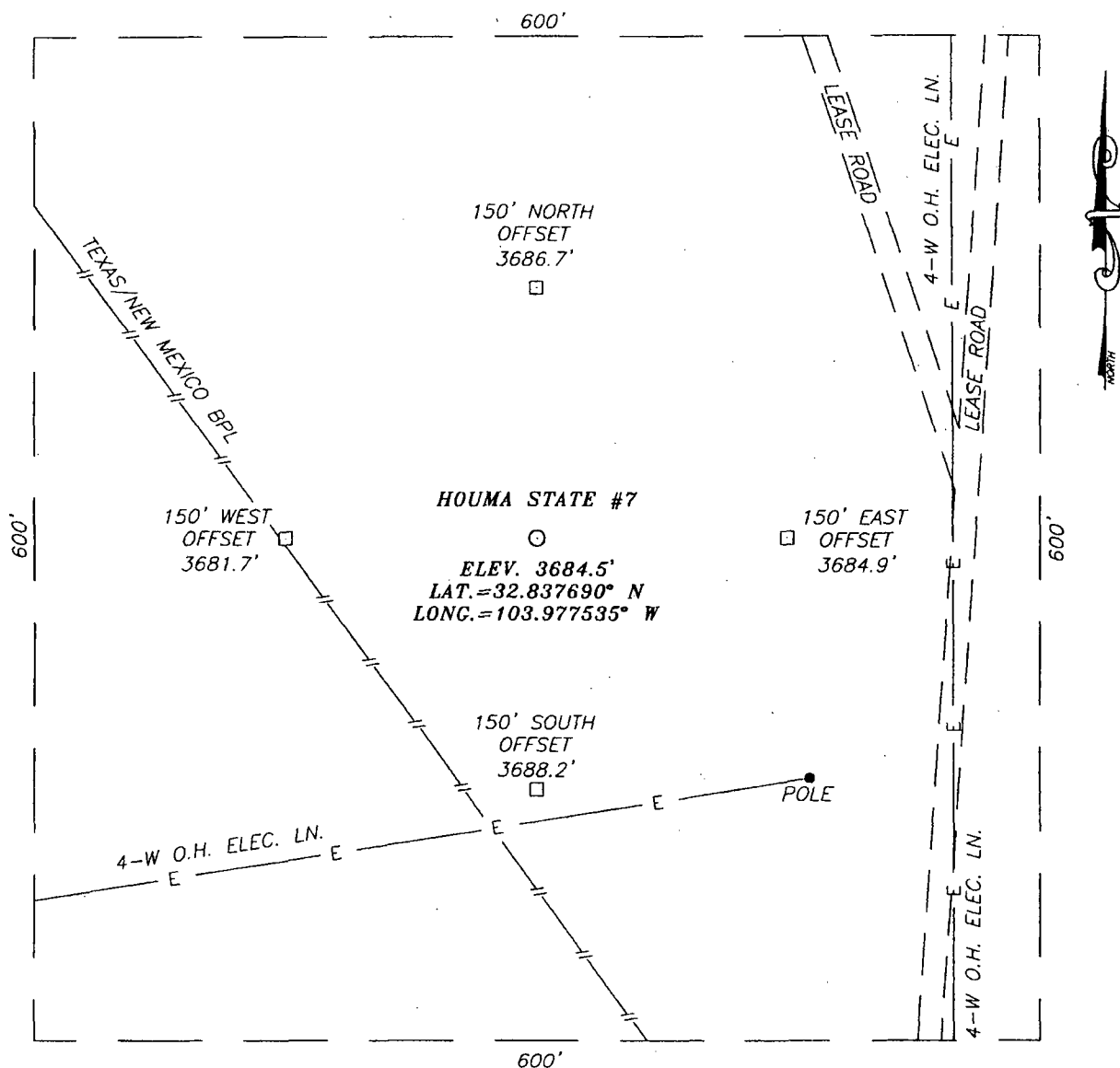
SURVEYOR CERTIFICATION

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

RONALD J. EIDSON  
JULY 8 2008  
NEW MEXICO  
Seal of Professional Surveyor  
Signature  
Date Surveyed  
AR

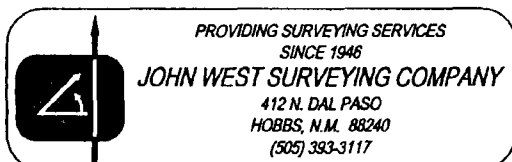
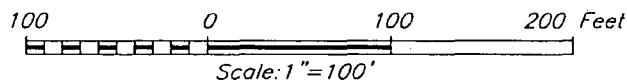
Certificate No. GARY EIDSON 12641  
RONALD J. EIDSON 3239

SECTION 16, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #219 (GOAT ROPERS RD.), GO NORTH ON GOAT ROPERS RD. APPROX. 1.4 MILES. THIS LOCATION IS APPROX. 300 FEET WEST OF GOAT ROPERS RD.



**COG OPERATING, LLC**

HOUMA STATE #7 WELL  
LOCATED 1450 FEET FROM THE NORTH LINE  
AND 2310 FEET FROM THE WEST LINE OF SECTION 16,  
TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.

|                         |                     |
|-------------------------|---------------------|
| Survey Date: 7/09/08    | Sheet 1 of 1 Sheets |
| W.O. Number: 08.11.1064 | Dr By: AR           |
| Date: 7/10/08           | Disk: 08111064      |
|                         | Rev 1:N/A           |
|                         | Scale: 1"=100'      |

Offset Wells to Houma State #7

| API#         | Operator                | Lease          | Well# | County | Legal                    | First<br>Prod. | Last<br>Prod. | Field Name                          | Reservoir Name | Total<br>Depth | Well Status           |
|--------------|-------------------------|----------------|-------|--------|--------------------------|----------------|---------------|-------------------------------------|----------------|----------------|-----------------------|
| 30-015-04163 | MACK ENERGY CORP        | JUNIPER STATE  | 003   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1979       | Nov 1991      | GRAYBURG JACKSON                    | SR-Q-G-SA      | 2,080          | Plugged and Abandoned |
| 30-015-04163 | MACK ENERGY CORPORATION | JUNIPER STATE  | 003   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1973       | Dec 1977      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                | 2,080          | Plugged and Abandoned |
| 30-015-04166 | MACK ENERGY CORPORATION | ETZ STATE UNIT | 110   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1973       | Dec 1977      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                | 0              | Pumping               |
| 30-015-04166 | COG OPERATING LLC       | ETZ STATE UNIT | 110   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1979       | Feb 2008      | GRAYBURG JACKSON                    | SR-Q-G-SA      | 0              | Pumping               |
| 30-015-04168 | ETZ OIL CO.             | ETZ STATE      | 005   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1973       | Dec 1977      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                |                | Pumping               |
| 30-015-04168 | ETZ OIL CO.             | ETZ STATE      | 005   | EDDY   | S:16,<br>T:17S,<br>R:30E | Mar 1982       | Oct 1983      | GRAYBURG JACKSON                    | SR-Q-G-SA      |                | Pumping               |
| 30-015-04169 | MACK ENERGY CORPORATION | ETZ STATE      | 005   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1967       | Oct 1983      | GRAYBURG JACKSON                    | SR-Q-G-SA      | 0              | Pumping               |
| 30-015-04172 | COG OPERATING LLC       | ETZ STATE UNIT | 116   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1979       | Feb 2008      | GRAYBURG JACKSON                    | SR-Q-G-SA      | 0              | Pumping               |
| 30-015-04172 | MACK ENERGY CORPORATION | ETZ STATE UNIT | 116   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1973       | Dec 1977      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                | 0              | Pumping               |
| 30-015-04174 | MACK ENERGY CORPORATION | ETZ C STATE    | 007   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jul 1955       | Dec 1977      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                | 0              | Pumping               |
| 30-015-04174 | MACK ENERGY CORP        | ETZ C STATE    | 007   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1951       | Aug 1978      | GRAYBURG JACKSON                    | SR-Q-G-SA      | 0              | Pumping               |
| 30-015-04175 | MACK ENERGY CORPORATION | ETZ C STATE    | 008   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1959       | Dec 1967      | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |                |                | Pumping               |
| 30-015-04175 | MACK ENERGY CORPORATION | ETZ C STATE    | 008   | EDDY   | S:16,<br>T:17S,<br>R:30E | Jan 1947       | Feb 1969      | GRAYBURG JACKSON                    | SR-Q-G-SA      |                | Pumping               |
|              | MACK ENERGY             |                |       |        | S:16,                    |                |               |                                     |                |                |                       |

|              |                         |                |          |                          |          |          |                                     |        |                       |
|--------------|-------------------------|----------------|----------|--------------------------|----------|----------|-------------------------------------|--------|-----------------------|
| 30-015-04177 | CORPORATION             | RANDEL STATE   | 001 EDDY | T:17S,<br>R:30E          | Nov 1975 | Jan 1976 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | 0      | Active                |
| 30-015-04177 | MACK ENERGY CORP        | RANDEL STATE   | 001 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1971 | Dec 1971 | GRAYBURG JACKSON                    | 0      | Active                |
| 30-015-04178 | MACK ENERGY CORPORATION | RANDEL STATE   | 002 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1973 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | 0      | Shut-in               |
| 30-015-04178 | COG OPERATING LLC       | RANDEL STATE   | 002 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1971 | Dec 1989 | GRAYBURG JACKSON                    | 0      | Shut-in               |
| 30-015-04179 | MACK ENERGY CORP        | JUNIPER STATE  | 002 EDDY | S:16,<br>T:17S,<br>R:30E | Feb 1963 | Apr 2001 | GRAYBURG JACKSON                    | 3,500  | Temporarily Abandoned |
| 30-015-04181 | MACK ENERGY CORPORATION | TEXACO BE      | 001 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | 3,950  | Active                |
| 30-015-04181 | COG OPERATING LLC       | TEXACO BE      | 001 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1969 | Feb 2008 | GRAYBURG JACKSON                    | 3,950  | Active                |
| 30-015-10046 | COG OPERATING LLC       | ETZ STATE UNIT | 106 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1993 | Feb 2008 | GRAYBURG JACKSON                    | 11,300 | Pumping               |
| 30-015-10496 | MACK ENERGY CORP        | ETZ C STATE    | 009 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | GRAYBURG JACKSON                    | 0      | Pumping               |
| 30-015-10608 | MACK ENERGY CORPORATION | ETZ STATE      | 011 EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1965 | Dec 1982 | GRAYBURG JACKSON                    | 0      | Pumping               |
| 30-015-20121 | MACK ENERGY CORPORATION | ETZ C STATE    | 012 EDDY | S:16,<br>T:17S,<br>R:30E | Mar 1969 | Mar 1969 | GRAYBURG JACKSON                    | 0      | Pumping               |
| 30-015-20135 | MACK ENERGY CORPORATION | ETZ B STATE    | 014 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1969 | Jul 1986 | GRAYBURG JACKSON                    | 0      | Pumping               |
| 30-015-20382 | COG OPERATING LLC       | ETZ STATE UNIT | 112 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1993 | Feb 2008 | GRAYBURG JACKSON                    | 4,010  | Pumping               |
| 30-015-20540 | COG OPERATING LLC       | ETZ STATE UNIT | 109 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1993 | Feb 2008 | GRAYBURG JACKSON                    | 4,016  | Pumping               |
| 30-015-20541 | COG OPERATING LLC       | ETZ STATE UNIT | 105 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 2001 | Feb 2008 | GRAYBURG JACKSON                    | 4,020  | Injection Well        |
|              |                         |                |          | S:16,                    |          |          |                                     |        |                       |

|              |                         |                |     |      |                          |                                              |           |       |                |
|--------------|-------------------------|----------------|-----|------|--------------------------|----------------------------------------------|-----------|-------|----------------|
| 30-015-20550 | MACK ENERGY CORPORATION | ETZ STATE UNIT | 103 | EDDY | T:17S,<br>R:30E          | GRAYBURG JACKSON                             | SR-Q-G-SA | 3,925 | Injection Well |
| 30-015-20551 | COG OPERATING LLC       | ETZ STATE UNIT | 107 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 2007 GRAYBURG JACKSON                    | SR-Q-G-SA | 3,915 | Injection Well |
| 30-015-20684 | COG OPERATING LLC       | ETZ STATE UNIT | 102 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1993 GRAYBURG JACKSON                    | SR-Q-G-SA | 3,900 | Pumping        |
| 30-015-20686 | COG OPERATING LLC       | ETZ STATE UNIT | 113 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2008 GRAYBURG JACKSON                    | SR-Q-G-SA | 4,050 | Pumping        |
| 30-015-20687 | MACK ENERGY CORPORATION | ETZ STATE UNIT | 104 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1977 GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |           | 4,015 | Pumping        |
| 30-015-20687 | COG OPERATING LLC       | ETZ STATE UNIT | 104 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 GRAYBURG JACKSON                    | SR-Q-G-SA | 4,015 | Pumping        |
| 30-015-20744 | COG OPERATING LLC       | ETZ STATE UNIT | 114 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2008 GRAYBURG JACKSON                    | SR-Q-G-SA | 4,014 | Pumping        |
| 30-015-20746 | COG OPERATING LLC       | ETZ STATE UNIT | 118 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2008 GRAYBURG JACKSON                    | SR-Q-G-SA | 4,028 | Pumping        |
| 30-015-20747 | MACK ENERGY CORPORATION | ETZ STATE UNIT | 111 | EDDY | S:16,<br>T:17S,<br>R:30E | GRAYBURG JACKSON                             | SR-Q-G-SA | 4,020 | Injection Well |
| 30-015-20764 | MACK ENERGY CORPORATION | TEXACO BE      | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1972 GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) |           | 3,950 | Pumping        |
| 30-015-20764 | MACK ENERGY CORP        | TEXACO BE      | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 2003 GRAYBURG JACKSON                    | SR-Q-G-SA | 3,950 | Pumping        |
| 30-015-21213 | MACK ENERGY CORP        | ETZ STATE UNIT | 115 | EDDY | S:16,<br>T:17S,<br>R:30E | Nov 2000 GRAYBURG JACKSON                    | SR-Q-G-SA | 2,982 | Active         |
| 30-015-21333 | COG OPERATING LLC       | ETZ STATE UNIT | 119 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2008 GRAYBURG JACKSON                    | SR-Q-G-SA | 0     | Pumping        |
| 30-015-22154 | MACK ENERGY CORP        | ETZ C STATE    | 027 | EDDY | S:16,<br>T:17S,<br>R:30E | GRAYBURG JACKSON                             | SR-Q-G-SA | 0     | Active         |
| 30-015-26110 | MACK ENERGY CORP        | TEXACO BE      | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 2004 GRAYBURG JACKSON                    | SR-Q-G-SA | 5,530 | Shut-in        |

|              |                   |                |           |                          |          |          |                  |           |       |         |
|--------------|-------------------|----------------|-----------|--------------------------|----------|----------|------------------|-----------|-------|---------|
| 30-015-26233 | COG OPERATING LLC | TEXACO BE      | 004 EDDY  | T:17S,<br>R:30E          | Jan 1993 | Feb 2008 | GRAYBURG JACKSON | SR-Q-G-SA | 4,970 | Active  |
| 30-015-30005 | COG OPERATING LLC | JUNIPER STATE  | 001 EDDY  | S:16,<br>T:17S,<br>R:30E | Jan 1958 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,770 | Pumping |
| 30-015-30591 | COG OPERATING LLC | PAWNEE STATE   | 001 EDDY  | S:16,<br>T:17S,<br>R:30E | Dec 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,860 | Pumping |
| 30-015-30638 | COG OPERATING LLC | WICHITA STATE  | 1 EDDY    | S:16,<br>T:17S,<br>R:30E | Aug 1999 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,798 | Pumping |
| 30-015-30831 | COG OPERATING LLC | HARPER STATE   | 1 EDDY    | S:16,<br>T:17S,<br>R:30E | Feb 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,875 | Pumping |
| 30-015-31002 | COG OPERATING LLC | HARPER STATE   | 003 EDDY  | S:16,<br>T:17S,<br>R:30E | Aug 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,882 | Pumping |
| 30-015-31014 | COG OPERATING LLC | HARPER STATE   | 002 EDDY  | S:16,<br>T:17S,<br>R:30E | May 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,880 | Pumping |
| 30-015-31016 | COG OPERATING LLC | IMPERIAL STATE | 1 EDDY    | S:16,<br>T:17S,<br>R:30E | Jan 1951 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,929 | Pumping |
| 30-015-31017 | COG OPERATING LLC | IMPERIAL STATE | 2 EDDY    | S:16,<br>T:17S,<br>R:30E | Jul 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,985 | Pumping |
| 30-015-31018 | COG OPERATING LLC | IMPERIAL STATE | 003 EDDY  | S:16,<br>T:17S,<br>R:30E | Oct 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,945 | Pumping |
| 30-015-31019 | COG OPERATING LLC | IMPERIAL STATE | 4 EDDY    | S:16,<br>T:17S,<br>R:30E | Nov 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,885 | Pumping |
| 30-015-31349 | COG OPERATING LLC | HARPER STATE   | 004Y EDDY | S:16,<br>T:17S,<br>R:30E | Oct 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,950 | Pumping |
| 30-015-31366 | COG OPERATING LLC | MESILLA STATE  | 002 EDDY  | S:16,<br>T:17S,<br>R:30E | Mar 2001 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,925 | Pumping |
| 30-015-31367 | COG OPERATING LLC | MESILLA STATE  | 001 EDDY  | S:16,<br>T:17S,<br>R:30E | Dec 2000 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,850 | Pumping |
| 30-015-31368 | COG OPERATING LLC | PAWNEE STATE   | 2 EDDY    | S:16,<br>T:17S,<br>R:30E | Feb 2001 | Feb 2008 | LOCO HILLS       | PADDOCK   | 4,855 | Pumping |
|              |                   |                |           | S:16,                    |          |          |                  |           |       |         |



|              |                                           |                             |     |      |                          |          |          |                                     |                          |        |                |
|--------------|-------------------------------------------|-----------------------------|-----|------|--------------------------|----------|----------|-------------------------------------|--------------------------|--------|----------------|
| 30-015-31491 | COG OPERATING LLC                         | HOUMA STATE                 | 001 | EDDY | T:17S,<br>R:30E          | Jan 1969 | Feb 2008 | LOCO HILLS                          | PADDOCK                  | 4,865  | Pumping        |
| 30-015-31583 | COG OPERATING LLC                         | TEXACO BE                   | 005 | EDDY | S:16,<br>T:17S,<br>R:30E | May 2001 | Feb 2008 | LOCO HILLS                          | PADDOCK                  | 4,824  | Pumping        |
| 30-015-31585 | COG OPERATING LLC                         | TEXACO BE                   | 6   | EDDY | S:16,<br>T:17S,<br>R:30E | Mar 2001 | Feb 2008 | LOCO HILLS                          | PADDOCK                  | 4,913  | Pumping        |
| 30-015-20745 | DEVON ENERGY<br>PRODUCTION COMPANY,<br>LP | ETZ STATE UNIT<br>(TRACT 4) | 003 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | GRAYBURG JACKSON                    | SR-Q-G-SA                | 4,026  | Flowing        |
| 30-015-32068 | LOCO HILLS WATER<br>DISPOSAL              | BRINE WATER                 | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1960 | Oct 1960 | BSW                                 | SALADO                   |        | Active         |
| 30-015-31015 | MACK ENERGY<br>CORPORATION                | HARPER STATE                | 004 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS                          | PADDOCK                  | 0      | Active         |
| 30-015-00000 |                                           | ETZ STATE UNIT              | 004 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA                |        | Active         |
| 30-015-00000 |                                           | ETZ STATE UNIT              | 004 | EDDY | S:16,<br>T:17S,<br>R:30E | Jul 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA                |        | Active         |
| 30-015-20551 |                                           | ETZ C STATE                 | 107 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Jun 1985 | GRAYBURG JACKSON                    | SR-Q-G-SA                | 3,915  | Injection Well |
| 30-015-20551 |                                           | ETZ C STATE                 | 107 | EDDY | S:16,<br>T:17S,<br>R:30E | Jul 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA                | 3,915  | Injection Well |
| 30-015-10046 |                                           | ETZ C STATE                 | 106 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Dec 1992 | GRAYBURG JACKSON                    | SR-Q-G-SA                | 11,300 | Pumping        |
| 30-015-10046 |                                           | ETZ C STATE                 | 106 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1974 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA                | 11,300 | Pumping        |
| 30-015-31491 |                                           | NEW MEXICO CN<br>STATE COM  | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1966 | Feb 1972 | LOCO HILLS                          | MORROW (GAS) (ABANDONED) | 4,865  | Pumping        |
| 30-015-10497 |                                           | ETZ C STATE                 | 010 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | GRAYBURG JACKSON                    | SR-Q-G-SA                |        | Active         |
| 30-015-20541 |                                           | ETZ B STATE                 | 105 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Nov 1985 | GRAYBURG JACKSON                    | SR-Q-G-SA                | 4,020  | Injection Well |
|              |                                           |                             |     |      | S:16,                    |          |          |                                     |                          |        |                |

|              |                     |     |      |                          |          |          |                                     |           |       |                       |
|--------------|---------------------|-----|------|--------------------------|----------|----------|-------------------------------------|-----------|-------|-----------------------|
| 30-015-20541 | ETZ B STATE         | 105 | EDDY | T:17S,<br>R:30E          | Jan 1974 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 4,020 | Injection Well        |
| 30-015-04173 | ETZ B STATE         | 006 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1951 | May 1972 | GRAYBURG JACKSON                    | SR-Q-G-SA |       | Active                |
| 30-015-20686 | ETZ STATE           | 113 | EDDY | S:16,<br>T:17S,<br>R:30E | Aug 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 4,050 | Pumping               |
| 30-015-20686 | ETZ STATE           | 113 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1979 | Dec 1992 | GRAYBURG JACKSON                    | SR-Q-G-SA | 4,050 | Pumping               |
| 30-015-00000 | ETZ J STATE         | 015 | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 1971 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA |       | Active                |
| 30-015-00000 | ETZ J STATE         | 015 | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 1971 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA |       | Active                |
| 30-015-04176 | ETZ J STATE         | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1950 | Apr 1963 | GRAYBURG JACKSON                    | SR-Q-G-SA |       | Active                |
| 30-015-20747 | ETZ STATE           | 111 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Nov 1985 | GRAYBURG JACKSON                    | SR-Q-G-SA | 4,020 | Injection Well        |
| 30-015-20747 | ETZ STATE           | 111 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 4,020 | Injection Well        |
| 30-015-21333 | ETZ STATE           | 119 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1992 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA | 0     | Pumping               |
| 30-015-21333 | ETZ STATE           | 119 | EDDY | S:16,<br>T:17S,<br>R:30E | Sep 1976 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 0     | Pumping               |
| 30-015-20540 | ETZ A STATE         | 109 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 4,016 | Pumping               |
| 30-015-20540 | ETZ A STATE         | 109 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA | 4,016 | Pumping               |
| 30-015-04165 | ETZ A STATE         | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1950 | Sep 1963 | GRAYBURG JACKSON                    | SR-Q-G-SA |       | Active                |
| 30-015-04179 | MCCULLOUGH<br>STATE | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1967 | Sep 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA | 3,500 | Temporarily Abandoned |
|              |                     |     |      | S:16,                    |          |          |                                     |           |       |                       |

|              |                             |     |      |                          |          |          |                                     |              |        |                       |
|--------------|-----------------------------|-----|------|--------------------------|----------|----------|-------------------------------------|--------------|--------|-----------------------|
| 30-015-04179 | MCCULLOUGH<br>STATE         | 002 | EDDY | T:17S,<br>R:30E          | Jan 1965 | Nov 1991 | GRAYBURG JACKSON                    | SR-Q-G-SA    | 3,500  | Temporarily Abandoned |
| 30-015-00000 | ETZ STATE                   | 023 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA    | Active |                       |
| 30-015-00000 | ETZ STATE                   | 023 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA    | Active |                       |
| 30-015-04164 | ETZ STATE UNIT              | 117 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | GRAYBURG JACKSON                    | SR-Q-G-SA    | Active |                       |
| 30-015-20745 | ETZ J STATE                 | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Oct 1989 | GRAYBURG JACKSON                    | SR-Q-G-SA    | 4,026  | Flowing               |
| 30-015-20745 | ETZ J STATE                 | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA    | 4,026  | Flowing               |
| 30-015-21213 | ETZ J STATE                 | 115 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1975 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA    | 2,982  | Active                |
| 30-015-21213 | ETZ J STATE                 | 115 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Jul 1991 | GRAYBURG JACKSON                    | SR-Q-G-SA    | 2,982  | Active                |
| 30-015-00000 | ETZ STATE                   | 021 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1979 | Dec 1993 | GRAYBURG JACKSON                    | SR-Q-G-SA    | Active |                       |
| 30-015-00000 | ETZ STATE                   | 021 | EDDY | S:16,<br>T:17S,<br>R:30E | Nov 1972 | Dec 1977 | GRAYBURG JKSN SR-Q-G-SA(DO NOT USE) | SR-Q-G-SA    | Active |                       |
| 30-015-04167 | ETZ STATE UNIT<br>(TRACT 3) | 003 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | GRAYBURG JACKSON                    | SR-Q-G-SA    | Active |                       |
| 30-015-33443 | MACK ENERGY<br>CORPORATION  | 001 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | WILDCAT                             | MORROW (GAS) | 11,400 | Active                |
| 30-015-00000 | YANCELY-HARRIS COM.         | 008 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1949 | Dec 1957 | GRAYBURG JACKSON                    | SR-Q-G-SA    | Active |                       |
| 30-015-31016 | YANCELY-HARRIS COMP.        | 1   | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1958 | GRAYBURG JACKSON                    | SR-Q-G-SA    | 4,929  | Pumping               |
| 30-015-30005 | COG OPERATING LLC           | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 1950 | Feb 2008 | GRAYBURG JACKSON                    | SR-Q-G-SA    | 4,770  | Pumping               |

|              |                      |                |     |      |                          |          |          |                       |           |                             |
|--------------|----------------------|----------------|-----|------|--------------------------|----------|----------|-----------------------|-----------|-----------------------------|
| 30-015-00000 | YANCEY-HARRIS        | ST. HUMBLE     | 001 | EDDY | T:17S,<br>R:30E          | Jan 1947 | Dec 1950 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | YANCEY-HARRIS        | ST. HUMBLE     | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1950 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | YANCEY-HARRIS        | ST. HUMBLE     | 004 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1950 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-30005 | COLLIER R D          | STATE          | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1958 | Nov 1963 | GRAYBURG JACKSON      | SR-Q-G-SA | 4,770 Pumping               |
| 30-015-04179 | COLLIER R D          | STATE          | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jun 1962 | Dec 1964 | GRAYBURG JACKSON      | SR-Q-G-SA | 3,500 Temporarily Abandoned |
| 30-015-31016 | HARLAN PRODUCTION CO | ETZ ST         | 1   | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1959 | Dec 1962 | GRAYBURG JACKSON      | SR-Q-G-SA | 4,929 Pumping               |
| 30-015-00000 | HARLAN PRODUCTION CO | ETZ ST         | 004 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1951 | Nov 1969 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | HARLAN PRODUCTION CO | ETZ ST B       | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1951 | Dec 1966 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | HARLAN PRODUCTION CO | ETZ ST B       | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1951 | Dec 1964 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | KERSEY AND CO        | RANDEL STATE   | 017 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1954 | Dec 1969 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-00000 | KERSEY AND CO        | RANDEL STATE   | 019 | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 1953 | Dec 1969 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
| 30-015-30005 | SOLT,WALTER          | ST. MCCOLLOUGH | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1971 | GRAYBURG-JACKSON POOL |           | 4,770 Pumping               |
| 30-015-00000 | YANCEY-HARRIS CO.    | ETZ. STATE     | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1952 | Dec 1971 | GRAYBURG-JACKSON POOL |           | Active                      |
| 30-015-04169 | YANCEY-HARRIS        | ST. HUMBLE     | 005 | EDDY | S:16,<br>T:17S,<br>R:30E | Oct 1966 | Dec 1966 | GRAYBURG JACKSON      | SR-Q-G-SA | 0 Pumping                   |
| 30-015-04173 | YANCEY-HARRIS        | ST. HUMBLE     | 006 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1950 | GRAYBURG JACKSON      | SR-Q-G-SA | Active                      |
|              |                      |                |     |      | S:16,                    |          |          |                       |           |                             |

|              |                                   |               |     |      |                          |          |          |                           |           |       |               |
|--------------|-----------------------------------|---------------|-----|------|--------------------------|----------|----------|---------------------------|-----------|-------|---------------|
| 30-015-04174 | YANCEY-HARRIS                     | ST. HUMBLE    | 007 | EDDY | T:17S,<br>R:30E          | Jan 1948 | Dec 1950 | GRAYBURG JACKSON          | SR-Q-G-SA | 0     | Pumping       |
| 30-015-04165 | YANCY-HARRIS                      | ST. HANSEN    | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1949 | GRAYBURG JACKSON OIL      |           |       | Active        |
| 30-015-04174 | YANCY-HARRIS                      | STATE         | 007 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1947 | GRAYBURG JACKSON OIL      |           | 0     | Pumping       |
| 30-015-04176 | YANCY-HARRIS                      | STATE J       | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1947 | Dec 1949 | GRAYBURG OIL              |           |       | Active        |
| 30-015-30005 | SOLT, WALTER                      | ST. MCCALL    | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1953 | Dec 1957 | grayburg jackson pool     |           | 4,770 | Pumping       |
| 30-015-04176 | YANCEY-HARRIS CO.                 | STATE J       | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1948 | Dec 1957 | GRAYBURG-JACKSON          |           |       | Active        |
| 30-015-04175 | YANCEY-HARRIS CO.                 | ETZ ST. B     | 008 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1948 | Dec 1948 | GRAYBURG-JACKSON          |           |       | Pumping       |
| 30-015-00000 | TEXAS AMERICAN OIL<br>CORPORATION | ETZ STATE     | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1965 | Dec 1971 | GRAYBURG JACKSON QUEEN SA |           |       | Active        |
| 30-015-31016 | TEXAS AMERICAN OIL<br>CORPORATION | ETZ J STATE   | 1   | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1964 | Dec 1971 | GRAYBURG JACKSON QUEEN SA |           | 4,929 | Pumping       |
| 30-015-04181 | GETTY OIL COMPANY                 | STATE BE      | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1971 | Dec 1971 | GRAYBURG JACKSON QUEEN SA |           | 3,950 | Active        |
| 30-015-34538 | COG OPERATING LLC                 | MESILLA STATE | 3   | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 2006 | Feb 2008 | LOCO HILLS                | PADDOCK   | 5,970 | Active Permit |
| 30-015-34539 | COG OPERATING LLC                 | TEXACO BE     | 7   | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 2006 | Feb 2008 | LOCO HILLS                | PADDOCK   | 6,630 | Active Permit |
| 30-015-34570 | COG OPERATING LLC                 | JUNIPER STATE | 4   | EDDY | S:16,<br>T:17S,<br>R:30E | Apr 2006 | Feb 2008 | LOCO HILLS                | PADDOCK   | 5,925 | Active Permit |
| 30-015-34571 | COG OPERATING LLC                 | HARPER STATE  | 57G | EDDY | S:16,<br>T:17S,<br>R:30E | May 2006 | Dec 2006 | LOCO HILLS; PADDOCK       |           | 5,965 | Active Permit |
| 30-015-34570 | COG OPERATING LLC                 | JUNIPER STATE | 4   | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; PADDOCK       |           | 5,925 | Active Permit |

|              |                         |                |     |      |                          |                                    |       |               |
|--------------|-------------------------|----------------|-----|------|--------------------------|------------------------------------|-------|---------------|
| 30-015-34538 | COG OPERATING LLC       | MESILLA STATE  | 3   | EDDY | T:17S,<br>R:30E          | LOCO HILLS PADDOCK                 | 5,970 | Active Permit |
| 30-015-31583 | MACK ENERGY CORPORATION | TEXACO BE      | 005 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS PADDOCK                 | 4,824 | Pumping       |
| 30-015-34538 | COG OPERATING LLC       | MESILLA        | 3   | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS PADDOCK                 | 5,970 | Active Permit |
| 30-015-31583 | MACK ENERGY CORPORATION | TEXACO BE      | 005 | EDDY | S:16,<br>T:17S,<br>R:30E | GRAYBURG JACKSON SR Q G SA         | 4,824 | Pumping       |
| 30-015-34867 | COG OPERATING LLC       | HARPER STATE   | 006 | EDDY | S:16,<br>T:17S,<br>R:30E | May 2007 Feb 2008 LOCO HILLS       | 5,990 | Active Permit |
| 30-015-34868 | COG OPERATING LLC       | HARPER STATE   | 007 | EDDY | S:16,<br>T:17S,<br>R:30E | Sep 2006 Feb 2008 LOCO HILLS       | 5,974 | Active Permit |
| 30-015-34869 | COG OPERATING LLC       | HARPER STATE   | 009 | EDDY | S:16,<br>T:17S,<br>R:30E | Jun 2007 Feb 2008 LOCO HILLS       | 6,020 | Active Permit |
| 30-015-34870 | COG OPERATING LLC       | HARPER STATE   | 010 | EDDY | S:16,<br>T:17S,<br>R:30E | Jul 2007 Feb 2008 LOCO HILLS       | 6,033 | Active Permit |
| 30-015-34871 | COG OPERATING LLC       | HARPER STATE   | 011 | EDDY | S:16,<br>T:17S,<br>R:30E | Jun 2007 Feb 2008 LOCO HILLS       | 6,115 | Active Permit |
| 30-015-34866 | COG OPERATING LLC       | IMPERIAL STATE | 005 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS; GLORIETA YESO 96718    | 5,970 | Active Permit |
| 30-015-34872 | COG OPERATING LLC       | IMPERIAL STATE | 006 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2007 Feb 2008 LOCO HILLS       | 5,955 | Active Permit |
| 30-015-34873 | COG OPERATING LLC       | IMPERIAL STATE | 007 | EDDY | S:16,<br>T:17S,<br>R:30E | Oct 2006 Feb 2008 LOCO HILLS       | 6,055 | Active Permit |
| 30-015-34883 | COG OPERATING LLC       | PAWNEE STATE   | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2007 Feb 2008 LOCO HILLS       | 6,020 | Active Permit |
| 30-015-34884 | COG OPERATING LLC       | PAWNEE STATE   | 004 | EDDY | S:16,<br>T:17S,<br>R:30E | Aug 2007 Feb 2008 LOCO HILLS       | 6,080 | Active Permit |
| 30-015-30005 | COG OPERATING LLC       | JUNIPER STATE  | 001 | EDDY | S:16,<br>T:17S,<br>R:30E | Feb 2006 Mar 2007 GRAYBURG JACKSON | 4,770 | Pumping       |
|              |                         |                |     |      | S:16,                    | SR-Q-G-SA                          |       |               |

|              |                       |                     |          |                          |          |          |                                      |           |       |               |
|--------------|-----------------------|---------------------|----------|--------------------------|----------|----------|--------------------------------------|-----------|-------|---------------|
| 30-015-31583 | COG OPERATING LLC     | TEXACO BE           | 005 EDDY | T:17S,<br>R:30E          | Apr 2006 | Feb 2008 | GRAYBURG JACKSON                     | SR-Q-G-SA | 4,824 | Pumping       |
| 30-015-31585 | COG OPERATING LLC     | TEXACO BE           | 6 EDDY   | S:16,<br>T:17S,<br>R:30E | May 2006 | Nov 2006 | GRAYBURG JACKSON SR Q G SA           |           | 4,913 | Pumping       |
| 30-015-30005 | R. D. COLLIER         | MCCULLOUGH<br>STATE | 001 EDDY | S:16,<br>T:17S,<br>R:30E | Dec 1965 | Dec 1969 |                                      |           | 4,770 | Pumping       |
| 30-015-34866 | COG OPERATING LLC     | IMPERIAL STATE      | 005 EDDY | S:16,<br>T:17S,<br>R:30E | Aug 2006 | Feb 2008 | LOCO HILLS                           | PADDOCK   | 5,970 | Active Permit |
| 30-015-35255 | COG OPERATING LLC     | MESILLA STATE       | 4 EDDY   | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA-YESO 96718      |           | 6,020 | Active        |
| 30-015-35254 | COG OPERATING LLC     | MESILLA STATE       | 005 EDDY | S:16,<br>T:17S,<br>R:30E | Aug 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK   | 6,025 | Active        |
| 30-015-35253 | COG OPERATING LLC     | TEXACO BE           | 008 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA-YESO 96718      |           | 6,030 | Active        |
| 30-015-35256 | COG OPERATING LLC     | HOUMA STATE         | 003 EDDY | S:16,<br>T:17S,<br>R:30E | May 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK   | 6,035 | Active        |
| 30-015-00000 | HARLAN PRODUCTION CO. | ETZ FEDERAL         | 001 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 1965 | Dec 1965 | GRAYBURG JACKSON QUEEN GBR S A       |           |       | Active        |
| 30-015-31578 | COG OPERATING LLC     | HOUMA STATE         | 002 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORETA-YESO (GAS) 96718 | GAS       | 6,000 | Active        |
| 30-015-31585 | COG OPERATING LLC     | TEXACO BE           | 6 EDDY   | S:16,<br>T:17S,<br>R:30E | May 2006 | Feb 2008 | GRAYBURG JACKSON                     | SR-Q-G-SA | 4,913 | Pumping       |
| 30-015-34872 | COG OPERATING LLC     | IMPERIAL STATE      | 006 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETS YESO 96718      |           | 5,955 | Active Permit |
| 30-015-31578 | COG OPERATING LLC     | HOUMA STATE         | 002 EDDY | S:16,<br>T:17S,<br>R:30E | Dec 2006 | Feb 2008 | LOCO HILLS                           | PADDOCK   | 6,000 | Active        |
| 30-015-34883 | COG OPERATING LLC     | PAWNEE STATE        | 003 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718      |           | 6,020 | Active Permit |
| 30-015-34873 | COG OPERATING LLC     | IMPERIAL STATE      | 007 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718      |           | 6,055 | Active Permit |
|              |                       |                     |          | S:16,                    |          |          |                                      |           |       |               |

|              |                         |                |          |                          |          |          |                                 |                |       |               |
|--------------|-------------------------|----------------|----------|--------------------------|----------|----------|---------------------------------|----------------|-------|---------------|
| 30-015-34571 | COG OPERATING LLC       | HARPER STATE   | 57G EDDY | T:17S,<br>R:30E          | May 2006 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 5,965 | Active Permit |
| 30-015-34869 | COG OPERATING LLC       | HARPER STATE   | 009 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718 |                | 6,020 | Active Permit |
| 30-015-35658 | COG OPERATING LLC       | HARPER STATE   | 012 EDDY | S:16,<br>T:17S,<br>R:30E | Oct 2007 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 6,230 | Active        |
| 30-015-35657 | COG OPERATING LLC       | HARPER STATE   | 013 EDDY | S:16,<br>T:17S,<br>R:30E | Jan 2008 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 6,220 | Active        |
| 30-015-35656 | COG OPERATING LLC       | IMPERIAL STATE | 008 EDDY | S:16,<br>T:17S,<br>R:30E | Sep 2007 | Oct 2007 | LOCO HILLS; GLORETA-YESO        |                | 5,855 | Active        |
| 30-015-35658 | COG OPERATING LLC       | HARPER STATE   | 012 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | COLLINS RANCH                   | WOLFCAMP (GAS) | 6,230 | Active        |
| 30-015-34867 | COG OPERATING LLC       | HARPER STATE   | 006 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718 |                | 5,990 | Active Permit |
| 30-015-35764 | COG OPERATING LLC       | MESILLA STATE  | 006 EDDY | S:16,<br>T:17S,<br>R:30E | Dec 2007 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 5,900 | Active Permit |
| 30-015-35765 | COG OPERATING LLC       | MESILLA STATE  | 007 EDDY | S:16,<br>T:17S,<br>R:30E | Dec 2007 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 5,906 | Active Permit |
| 30-015-35766 | COG OPERATING LLC       | MESILLA STATE  | 008 EDDY | S:16,<br>T:17S,<br>R:30E | Nov 2007 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 5,921 | Active Permit |
| 30-015-35767 | COG OPERATING LLC       | HOUMA STATE    | 004 EDDY | S:16,<br>T:17S,<br>R:30E | Nov 2007 | Feb 2008 | LOCO HILLS                      | PADDOCK        | 5,914 | Active Permit |
| 30-015-35254 | COG OPERATING LLC       | MESILLA STATE  | 005 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS 96718                |                | 6,025 | Active        |
| 30-015-34884 | COG OPERATING LLC       | PAWNEE STATE   | 004 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; PADDOCK 96718       |                | 6,080 | Active Permit |
| 30-015-35256 | COG OPERATING LLC       | HOUMA STATE    | 003 EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718 |                | 6,035 | Active        |
| 30-015-31019 | MACK ENERGY CORPORATION | IMPERIAL STATE | 4 EDDY   | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS PADDOCK              |                | 4,885 | Pumping       |
|              |                         |                |          | S:16,                    |          |          |                                 |                |       |               |



|              |                         |                |     |      |                          |          |          |                                      |         |       |               |
|--------------|-------------------------|----------------|-----|------|--------------------------|----------|----------|--------------------------------------|---------|-------|---------------|
| 30-015-35253 | COG OPERATING LLC       | TEXACO BE      | 008 | EDDY | T:17S,<br>R:30E          | Jun 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK | 6,030 | Active        |
| 30-015-35835 | COG OPERATING LLC       | WICHITA STATE  | 003 | EDDY | S:16,<br>T:17S,<br>R:30E | Dec 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK | 5,881 | Active        |
| 30-015-35880 | COG OPERATING LLC       | WICHITA STATE  | 002 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS                           | PADDOCK | 5,896 | Active Permit |
| 30-015-34871 | COG OPERATING LLC       | HARPER STATE   | 011 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718      |         | 6,115 | Active Permit |
| 30-015-34870 | COG OPERATING LLC       | HARPER STATE   | 010 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718      |         | 6,033 | Active Permit |
| 30-015-31017 | MACK ENERGY CORPORATION | IMPERIAL STATE | 2   | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; PADDOCK                  |         | 4,985 | Pumping       |
| 30-015-35658 | COG OPERATING LLC       | HARPER STATE   | 012 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORIETA YESO 96718      |         | 6,230 | Active        |
| 30-015-35255 | COG OPERATING LLC       | MESILLA STATE  | 4   | EDDY | S:16,<br>T:17S,<br>R:30E | Sep 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK | 6,020 | Active        |
| 30-015-34539 | COG OPERATING LLC       | TEXACO BE      | 7   | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; PADDOCK                  |         | 6,630 | Active Permit |
| 30-015-35656 | COG OPERATING LLC       | IMPERIAL STATE | 008 | EDDY | S:16,<br>T:17S,<br>R:30E | Sep 2007 | Feb 2008 | LOCO HILLS                           | PADDOCK | 5,855 | Active        |
| 30-015-31368 | MACK ENERGY CORPORATION | PAWNEE STATE   | 2   | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; PADDOCK                  |         | 4,855 | Pumping       |
| 30-015-35766 | COG OPERATING LLC       | MESILLA STATE  | 008 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORETA-YESO (GAS) 96718 | GAS     | 5,921 | Active Permit |
| 30-015-35767 | COG OPERATING LLC       | HOUMA STATE    | 004 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORETA-YESO (GAS)       | GAS     | 5,914 | Active Permit |
| 30-015-35835 | COG OPERATING LLC       | WICHITA STATE  | 003 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORETA-YESO (GAS) 96718 | GAS     | 5,881 | Active        |
| 30-015-35765 | COG OPERATING LLC       | MESILLA STATE  | 007 | EDDY | S:16,<br>T:17S,<br>R:30E |          |          | LOCO HILLS; GLORETA-YESO (GAS) 96718 | GAS     | 5,906 | Active Permit |
|              |                         |                |     |      | S:16,                    |          |          |                                      |         |       |               |

|              |                   |                |     |      |                          |                                |         |       |               |
|--------------|-------------------|----------------|-----|------|--------------------------|--------------------------------|---------|-------|---------------|
| 30-015-35657 | COG OPERATING LLC | HARPER STATE   | 013 | EDDY | T:17S,<br>R:30E          | LOCO HILLS; GLORETA-YESO (GAS) | GAS     | 6,220 | Active        |
| 30-015-30831 | MACK ENERGY CORP  | HARPER STATE   | 1   | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS; PADDOCK            |         | 4,875 | Pumping       |
| 30-015-31016 | MACK ENERGY CORP  | IMPERIAL STATE | 1   | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS; PADDOCK            |         | 4,929 | Pumping       |
| 30-015-36094 | COG OPERATING LLC | HARPER STATE   | 015 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS                     | PADDOCK | 6,000 | Active Permit |
| 30-015-36095 | COG OPERATING LLC | HARPER STATE   | 016 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS                     | PADDOCK | 6,000 | Active Permit |
| 30-015-36096 | COG OPERATING LLC | HARPER STATE   | 017 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS                     | PADDOCK | 6,000 | Active Permit |
| 30-015-36117 | COG OPERATING LLC | HARPER STATE   | 014 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS                     | PADDOCK | 6,045 | Active Permit |
| 30-015-35880 | COG OPERATING LLC | WICHITA STATE  | 002 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS; GLORIETA YESO      |         | 5,896 | Active Permit |
| 30-015-36117 | COG OPERATING LLC | HARPER STATE   | 014 | EDDY | S:16,<br>T:17S,<br>R:30E | LOCO HILLS; GLORIETA YESO      |         | 6,045 | Active Permit |

**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Tuesday, September 02, 2008 1:27 PM  
**To:** 'Phyllis Edwards'  
**Subject:** COG Houma State #7 - NSL Application

Dear Ms. Edwards:

The proposed location (1450 FNL and 2310 FWL) encroaches toward Unit C to the north, and diagonally toward Unit B (See definition of "adjoining spacing unit" in Rule 7.A(2)).

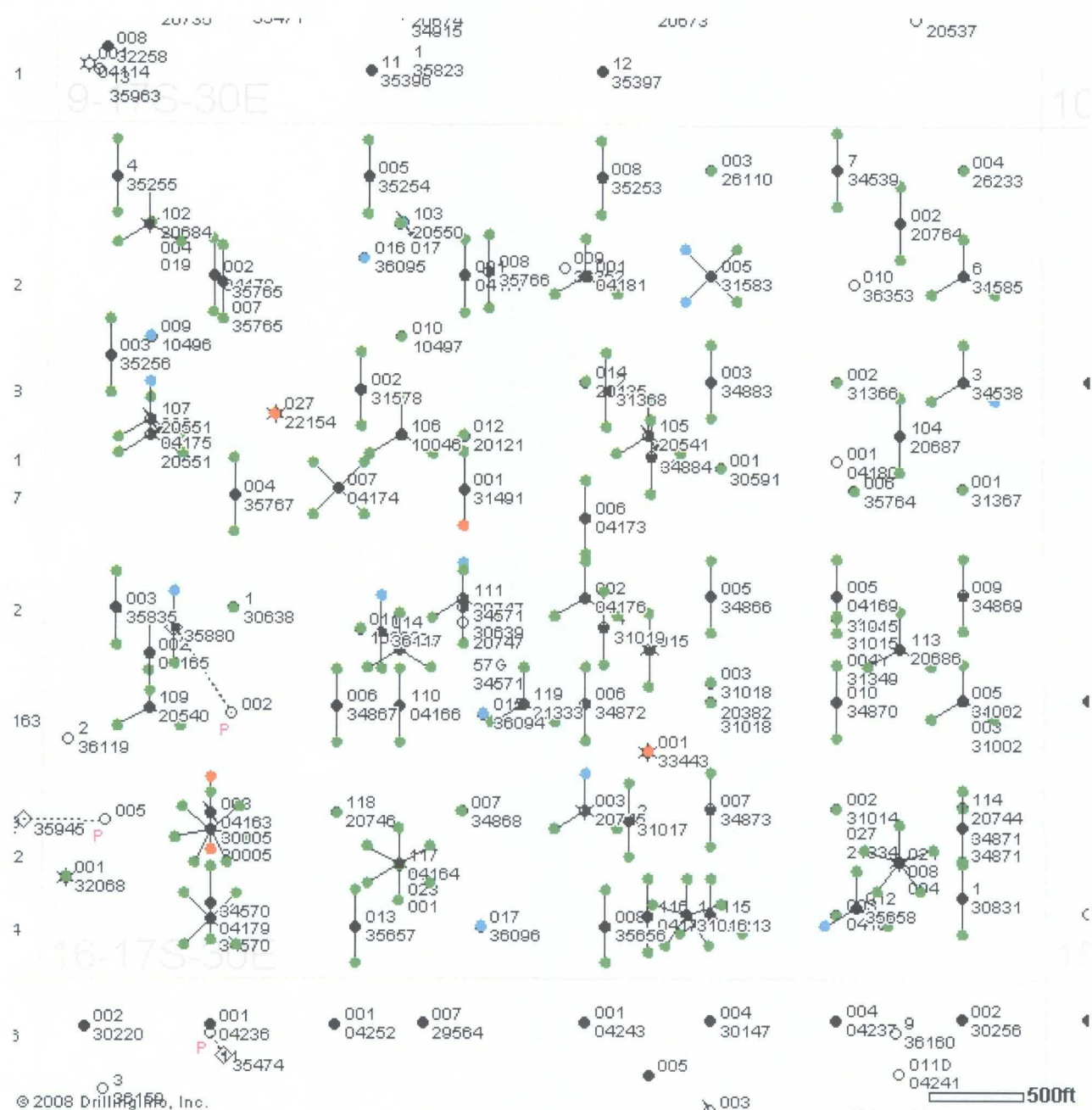
Title information indicates furnished with reference to Unit C indicates that Chevron has a back-in working interest in Unit C. It does not indicate whether that interest also applies to Unit F where the well is proposed, and there is no indication in the application that Chevron was notified. No title information was furnished with reference to Unit B.

Please furnish title information for Unit B of Section 16-17S-30E and, if necessary, proof of notice to working interest owners in that unit. Proof of notice to, or waiver by, Chevron should also be furnished unless the Chevron back-in interest also applies to Unit F where the well is to be located.

Sincerely

David K. Brooks  
Legal Examiner  
505-476-3450

9/2/2008





[illegible]



**Brooks, David K., EMNRD**

---

**From:** Phyllis Edwards [PEdwards@conchoresources.com]  
**Sent:** Wednesday, September 03, 2008 9:29 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** Houma State #7  
**Attachments:** scan.pdf

Dear Mr. Brooks,

Please review the attached e-mail and let me know if you need anything further to approve this NSL application.

Thank you so much for your time !!!

*Phyllis Edwards*

Regulatory Analyst



COG Operating LLC

Fasken Tower II

550 W. Texas Avenue, Suite 1300

Midland, TX 79701

432-685-4340 P

432-685-4399 F

pedwards@conchoresources.com

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9/3/2008

## **Phyllis Edwards**

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**From:** Kendal Baker  
**Sent:** Wednesday, September 03, 2008 9:34 AM  
**To:** Phyllis Edwards  
**Subject:** RE: COG Houma State #7 - NSL Application

Good morning Phyllis,

Unit B for Sec. 16-17S-30E is called the Texaco BE and COG owns 100% of this lease, as for unit F we acquired this in the term assignment from Chevron. Below are the lands for Section 16 that we received in the TA from Chevron. So it looks like either way we are covered and we are only encroaching upon ourselves. I hope this helps please let me know if you need anything other information.

**Section 16:** N2NW, NESENE, SWSENE from 4000' to top of Abo – 50% GWI & 75% NRI BPO, 40% GWI & 35% NRI APO 100% (if Chevron elects to convert ORRI).

**Section 16:** SWNW, NESENW, SWSNW from 4000' to top of Abo – 50% GWI & 75% NRI BPO, 40% GWI & 34% NRI APO 100% (if Chevron elects to convert ORRI).

Thanks,  
Kendal

Kendal L. Baker  
Land Coordinator  
COG Operating, LLC  
550 W. Texas Ave, Suite 1300  
Midland, Texas 79701  
Phone: 432-686-3031  
Email: [Kbaker@conchoresources.com](mailto:Kbaker@conchoresources.com)

---

**From:** Phyllis Edwards  
**Sent:** Tuesday, September 02, 2008 3:30 PM  
**To:** Kendal Baker  
**Subject:** FW: COG Houma State #7 - NSL Application

Kendal,  
Please let me know what else I need to provide to Santa Fe OCD.  
Thanks so much,

*Phyllis Edwards*  
Regulatory Analyst



COG Operating LLC  
Fasken Tower II  
550 W. Texas Avenue, Suite 1300  
Midland, TX 79701

432-685-4340 P

432-685-4399 F

[pedwards@conchoresources.com](mailto:pedwards@conchoresources.com)

---

**From:** Brooks, David K., EMNRD [mailto:[david.brooks@state.nm.us](mailto:david.brooks@state.nm.us)]

**Sent:** Tuesday, September 02, 2008 3:27 PM

**To:** Phyllis Edwards

**Subject:** COG Houma State #7 - NSL Application

Dear Ms. Edwards:

The proposed location (1450 FNL and 2310 FWL) encroaches toward Unit C to the north, and diagonally toward Unit B (See definition of "adjoining spacing unit" in Rule 7.A(2)).

Title information indicates furnished with reference to Unit C indicates that Chevron has a back-in working interest in Unit C. It does not indicate whether that interest also applies to Unit F where the well is proposed, and there is no indication in the application that Chevron was notified. No title information was furnished with reference to Unit B.

Please furnish title information for Unit B of Section 16-17S-30E and, if necessary, proof of notice to working interest owners in that unit. Proof of notice to, or waiver by, Chevron should also be furnished unless the Chevron back-in interest also applies to Unit F where the well is to be located.

Sincerely

David K. Brooks  
Legal Examiner  
505-476-3450

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Please select the API Number you wish to view from the list below by clicking the radio button next to the API Number. Then click the "Continue" button to see the thumbnails for the API you selected.

The search results are broken out by groups of 25 on each page. Switching pages can be done by clicking the "Next 25" or "Previous 25" links.

7 Records Found

Displaying Screen 1 of 1

- | API Number                                             | ULSTR         | Footages            |
|--------------------------------------------------------|---------------|---------------------|
| <input type="radio"/> 3001504174                       | F -16-17S-30E | 2310 FNL & 1650 FWL |
| <b>Well Name &amp; Number:</b> ETZ C STATE No. 007     |               |                     |
| <b>Operator:</b> MACK ENERGY CORP                      |               |                     |
| <input type="radio"/> 3001510046                       | F -16-17S-30E | 1980 FNL & 1980 FWL |
| <b>Well Name &amp; Number:</b> ETZ STATE UNIT No. 106  |               |                     |
| <b>Operator:</b> COG OPERATING LLC                     |               |                     |
| <input type="radio"/> 3001510497                       | F -16-17S-30E | 1370 FNL & 1980 FWL |
| <b>Well Name &amp; Number:</b> PRE-ONGARD WELL No. 010 |               |                     |
| <b>Operator:</b> PRE-ONGARD WELL OPERATOR              |               |                     |
| <input type="radio"/> 3001520121                       | F -16-17S-30E | 1980 FNL & 2310 FWL |
| <b>Well Name &amp; Number:</b> ETZ C STATE No. 012     |               |                     |
| <b>Operator:</b> MACK ENERGY CORP                      |               |                     |
| <input type="radio"/> 3001531491                       | F -16-17S-30E | 2310 FNL & 2310 FWL |
| <b>Well Name &amp; Number:</b> HOUMA STATE No. 001     |               |                     |
| <b>Operator:</b> COG OPERATING LLC                     |               |                     |
| <input type="radio"/> 3001531578                       | F -16-17S-30E | 1650 FNL & 1650 FWL |
| <b>Well Name &amp; Number:</b> HOUMA STATE No. 002     |               |                     |
| <b>Operator:</b> COG OPERATING LLC                     |               |                     |
| <input type="radio"/> 3001536477                       | F -16-17S-30E | 2270 FNL & 1650 FWL |
| <b>Well Name &amp; Number:</b> HOUMA STATE No. 008     |               |                     |
| <b>Operator:</b> COG OPERATING LLC                     |               |                     |

GB/ISA

7 Records Found

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