

|                       |          |                        |                         |                 |                                    |
|-----------------------|----------|------------------------|-------------------------|-----------------|------------------------------------|
| DATE IN <b>7-1-09</b> | SUSPENSE | ENGINEER <b>Brooks</b> | LOGGED IN <b>7-1-09</b> | TYPE <b>NSL</b> | PTGW<br>APP. NO. <b>8918255347</b> |
|-----------------------|----------|------------------------|-------------------------|-----------------|------------------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



RECEIVED  
JUL 1 28 2009

## ADMINISTRATIVE APPLICATION CHECKLIST

6056

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]

A-21-175-32E

### [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 \_\_\_\_\_

30-025-  
MC Federal #49  
COG operating  
(229137)

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

Interest  
are the  
Same

### [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.

Seth Wild  
Print or Type Name

Signature

Drilling Engineer  
Title

6-30-09  
Date

swild@conchoresources.com  
e-mail Address

**M C Federal #49  
Lea County, NM**

COG proposes to drill a **VERTICAL** NE /4, 40 acre spacing  
Maljamar; Yeso, West oil well  
TD of approximately 7000'

990' FNL & 1000' FEL      Sec 21, T17S, R32E, Unit A

**This NSL request is due to due to buried pipe lines.**

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 M C Federal #11 (2460' FSL & 2210' FEL, Section 21, UL J) which was  
completed in August 2007.

M C Federal #11 has perms from: 5981' – 6854' overall, but broken up into 3  
separate intervals, with 3 separate fracs

1<sup>st</sup> interval: 5981' – 6104',  
acidized w/ 2000 gals,  
frac'd w/ 98,658 gals gel, 8,000 # LiteProp, 96,680# 16/30 sand.

2<sup>nd</sup> interval: 6206' – 6527',  
acidized w/ 2500 gals,  
frac'd w/ 91,018# gal gel, 8000# LiteProp, & 88,500 gals 16/30 sand.

3<sup>rd</sup> interval: 6627' – 6854',  
acidized w/ 1750 gals,  
frac'd w/ 103,543# gal gel, 8000# LiteProp, & 89,800 gals 16/30 sand.

At this time, we assume the M C Federal #48 should be very similar.

**Attachment 1  
Plat & Map**

**Attachment 2  
Map & legend of offset wells.**

**Attachment 3  
Updated land plat showing that COG owns the offset acreage.  
The acreage we are encroaching on is the NW/4 of NE/4 of Section 21.**

Interests are the same.

COG Operating LLC respectfully requests permission to have this NSL approved.

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

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

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

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

|                         |                                     |                    |                                  |
|-------------------------|-------------------------------------|--------------------|----------------------------------|
| API Number<br>30-025-   |                                     | Pool Code<br>44500 | Pool Name<br>Maljamar Yeso, west |
| Property Code<br>302519 | Property Name<br>MC FEDERAL         |                    | Well Number<br>49                |
| OGRID No.<br>229137     | Operator Name<br>COG OPERATING, LLC |                    | Elevation<br>4021'               |

### Surface Location

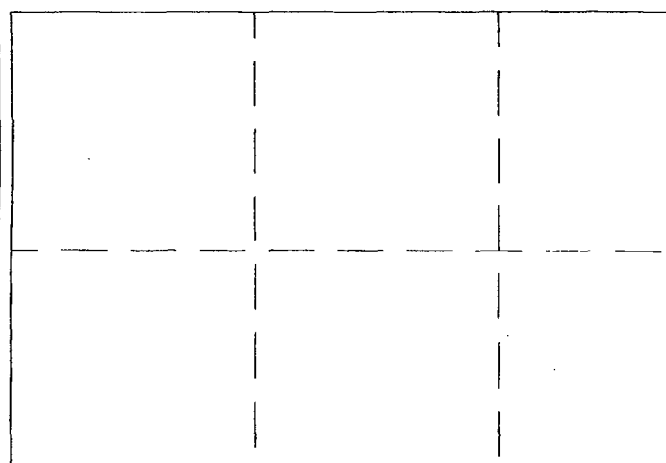
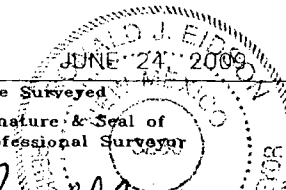
|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| A             | 21      | 17-S     | 32-E  |         | 990           | NORTH            | 1000          | EAST           | LEA    |

## Bottom Hole Location If Different From Surface

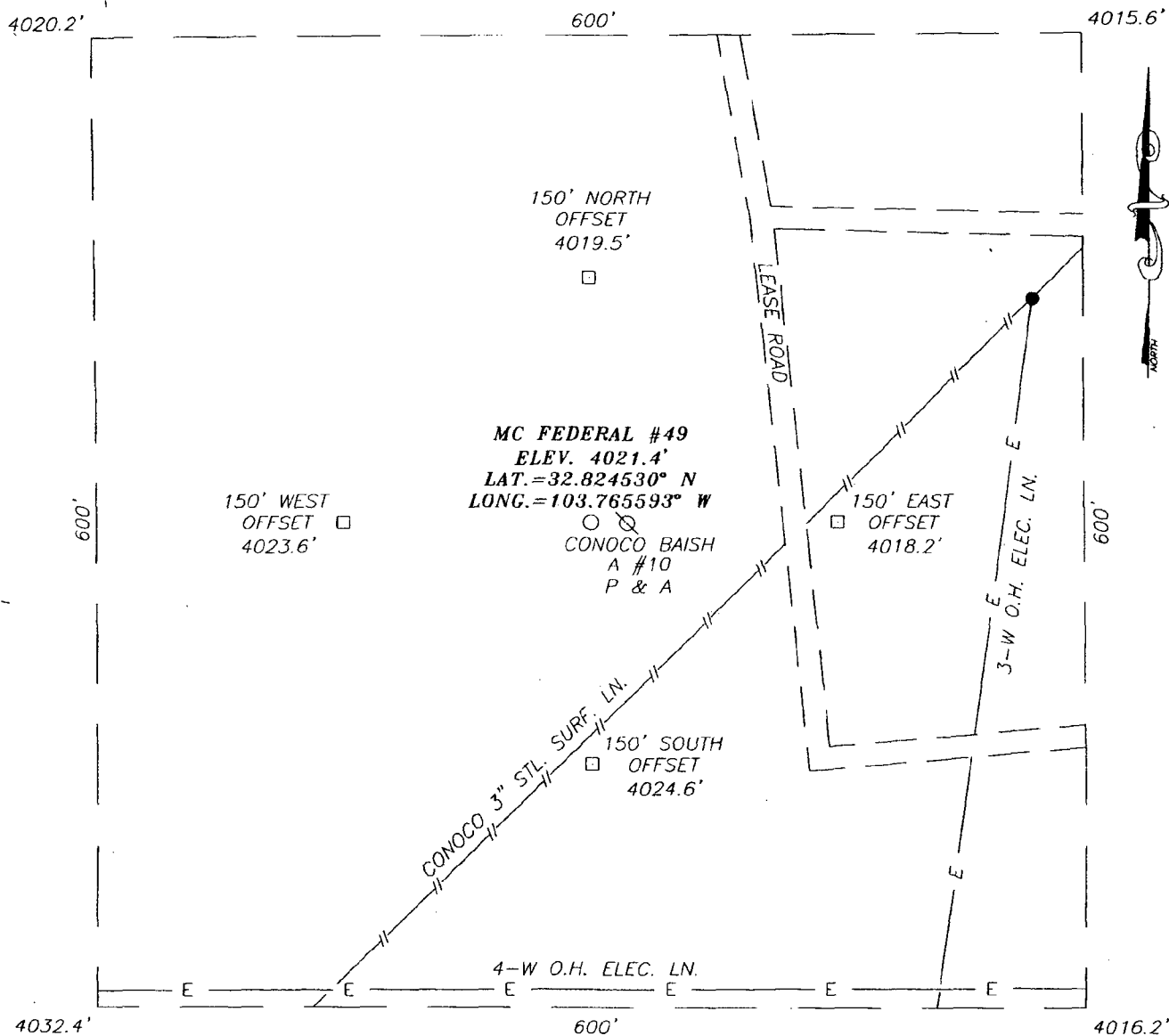
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|---------------|---------|----------|-------|---------|---------------|------------------|-----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

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

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

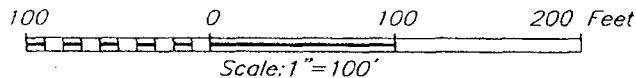
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p style="text-align: center;">             GEODETIC COORDINATES<br/>             NAD 27 NME<br/> <br/>             Y=664143.4 N<br/>             X=674404.6 E<br/> <br/>             LAT.=32.824530° N<br/>             LONG.=103.765593° W         </p> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;"><b>OPERATOR CERTIFICATION</b></p> <p style="font-size: small; margin: 5px 0;">I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">  </div> <div style="width: 35%; text-align: right;"> <p style="font-size: x-large; margin: 0;">6.30.</p> </div> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <span>Signature _____</span> <span>Date _____</span> </div> <p style="margin-top: 10px; font-size: large; font-family: cursive;">Seth Wild</p> <p style="font-size: small;">Printed Name</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;"><b>SURVEYOR CERTIFICATION</b></p> <p style="font-size: small; margin: 5px 0;">I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <span>Date Surveyed _____</span> <span>AR _____</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p style="font-size: small; margin: 0;">Signature &amp; Seal of Professional Surveyor</p>  </div> <div style="width: 35%; text-align: right;"> <p style="font-size: x-large; margin: 0;">6/9/09</p> </div> </div> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 10px;"> <span>Certificate No. GARY EIDSON</span> <span>12841</span> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <span>RONALD J. EIDSON</span> <span>3239</span> </div> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SECTION 21, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF CO. RD. L-126  
 (MALJAMAR RD.) AND CONOCO ROAD, GO NORTH ON  
 MALJAMAR ROAD APPROX. 0.7 MILES. TURN LEFT AND  
 GO WEST APPROX. 0.2 MILES. TURN LEFT AND GO  
 SOUTH APPROX. 0.1 MILE. THIS LOCATION IS 75 FEET  
 WEST OF LEASE ROAD.



**COG OPERATING, LLC**

MC FEDERAL #49 WELL  
 LOCATED 990 FEET FROM THE NORTH LINE  
 AND 1000 FEET FROM THE EAST LINE OF SECTION 21,  
 TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO.

|                         |                     |
|-------------------------|---------------------|
| Survey Date: 6/24/09    | Sheet 1 of 1 Sheets |
| W.O. Number: 09.11.0394 | Dr By: AR           |
| Date: 6/26/09           | 09110394            |
|                         | Scale: 1"=100'      |

PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117

## Offset Wells to MC Federal 49

| API#         | Operator               | Lease    | Well# | County | Legal             | First Prod. | Avg. (BO/D) | Last Prod. | Cumulative Gas 1970> | Field Name                           | Reservoir Name      | Total Depth | Well Type | Well Status           |
|--------------|------------------------|----------|-------|--------|-------------------|-------------|-------------|------------|----------------------|--------------------------------------|---------------------|-------------|-----------|-----------------------|
| 30-025-34973 | MACK ENERGY CORP       | Unknown  | 5     | LEA    | S21, T:17S, R:32E |             |             |            |                      | Unknown (QUEEN)                      | QUEEN               | 6,908       | O         | Pumping               |
| 30-025-34973 | MACK ENERGY CORP       | Unknown  | 5     | LEA    | S21, T:17S, R:32E |             |             |            |                      | Unknown (GRAYBURG-SAN ANDRES)        | GRAYBURG-SAN ANDRES | 6,908       | O         | Pumping               |
| 30-025-34973 | MACK ENERGY CORP       | Unknown  | 5     | LEA    | S21, T:17S, R:32E |             |             |            |                      | Unknown (ABO)                        | ABO                 | 6,908       | O         | Pumping               |
| 30-025-34973 | MACK ENERGY CORP       | Unknown  | 5     | LEA    | S21, T:17S, R:32E |             |             |            |                      | Unknown (YATES)                      | YATES               | 6,908       | O         | Pumping               |
| 30-025-00601 | CONOCO, INC.           | MCA UNIT | 027   | LEA    | S21, T:17S, R:32E | Jan 1977    | 6.26        | Dec 1992   | 29,488               | MALJAMAR                             | GRAYBURG-SAN ANDRES | 4,167       | O         | Pumping               |
| 30-025-00601 | CONOCO, INC.           | MCA UNIT | 027   | LEA    | S21, T:17S, R:32E | Jan 1973    | 39.77       | Dec 1976   | 17,616               | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 4,167       | O         | Pumping               |
| 30-025-00602 | CONOCO, INC.           | MCA UNIT | 042   | LEA    | S21, T:17S, R:32E | Nov 1987    | 0.00        | Dec 1990   | 2,644                | MALJAMAR                             | GRAYBURG-SAN ANDRES |             | I         | Temporarily Abandoned |
| 30-025-00602 | CONOCO, INC.           | MCA UNIT | 042   | LEA    | S21, T:17S, R:32E | Jan 1973    | 0.03        | Dec 1973   | 3,909                | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     |             | I         | Temporarily Abandoned |
| 30-025-00603 | CONOCOPHILLIPS COMPANY | MCA UNIT | 043   | LEA    | S21, T:17S, R:32E | Jan 1977    | 2.35        | Mar 2009   | 51,256               | MALJAMAR                             | GRAYBURG-SAN ANDRES |             | O         | Pumping               |
| 30-025-00603 | CONOCOPHILLIPS COMPANY | MCA UNIT | 043   | LEA    | S21, T:17S, R:32E | Jan 1973    | 21.55       | Dec 1976   | 14,024               | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     |             | O         | Pumping               |
| 30-025-00604 | CONOCO, INC.           | MCA UNIT | 070   | LEA    | S21, T:17S, R:32E | Jan 1963    | 20.39       | Jul 1965   | 0                    | MALJAMAR                             | GRAYBURG-SAN ANDRES | 0           | I         | Injection Well        |
| 30-025-00604 | CONOCO, INC.           | MCA UNIT | 070   | LEA    | S21, T:17S, R:32E |             |             |            | 0                    | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 0           | I         | Injection Well        |
| 30-025-00605 | CONOCOPHILLIPS COMPANY | MCA UNIT | 045   | LEA    | S21, T:17S, R:32E | Jan 1977    | 4.16        | Dec 1992   | 33,473               | MALJAMAR                             | GRAYBURG-SAN ANDRES | 4,106       | PI        | Injection Well        |
| 30-025-00605 | CONOCOPHILLIPS COMPANY | MCA UNIT | 045   | LEA    | S21, T:17S, R:32E | Jan 1973    | 77.58       | Dec 1976   | 7,543                | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 4,106       | PI        | Injection Well        |
| 30-025-00606 | CONOCOPHILLIPS COMPANY | MCA UNIT | 047   | LEA    | S21, T:17S, R:32E | Jan 1973    | 12.94       | Dec 1976   | 107,467              | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 0           | O         | Pumping               |
| 30-025-00606 | CONOCOPHILLIPS COMPANY | MCA UNIT | 047   | LEA    | S21, T:17S, R:32E | May 1973    | 4.77        | Nov 2008   | 119,263              | MALJAMAR                             | GRAYBURG-SAN ANDRES | 0           | O         | Pumping               |
| 30-025-00607 | CONOCOPHILLIPS COMPANY | MCA UNIT | 026   | LEA    | S21, T:17S, R:32E | Jan 1963    | 1.71        | Jul 1965   | 0                    | MALJAMAR                             | GRAYBURG-SAN ANDRES |             | PI        | Injection Well        |
| 30-025-00609 | CONOCOPHILLIPS COMPANY | MCA UNIT | 092   | LEA    | S21, T:17S, R:32E | Jan 1964    | 2.35        | Mar 2009   | 172,871              | MALJAMAR                             | GRAYBURG-SAN ANDRES | 4,082       | O         | Pumping               |
| 30-025-00609 | CONOCOPHILLIPS COMPANY | MCA UNIT | 092   | LEA    | S21, T:17S, R:32E | Jan 1973    | 30.16       | Dec 1976   | 53,109               | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 4,082       | O         | Pumping               |
| 30-025-00610 | CONOCOPHILLIPS COMPANY | MCA UNIT | 067   | LEA    | S21, T:17S, R:32E |             |             |            | 0                    | MALJAMAR GRAYBURG SA REP (ABOLISHED) |                     | 4,125       | I         | Injection Well        |

| 30-025-00610 | COMPANY                | MCA UNIT | 067 | LEA | R-32E              | Jan 1964 | Mar 2009 | 42,042  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,125 | I  | Injection Well        |
|--------------|------------------------|----------|-----|-----|--------------------|----------|----------|---------|-------------------------------------|---------------------|-------|----|-----------------------|
| 30-025-00611 | CONOCOPHILLIPS COMPANY | MCA UNIT | 069 | LEA | S-21, T-17S, R-32E | Jan 1964 | 3.13     | 52,626  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 0     | O  | Pumping               |
| 30-025-00611 | CONOCOPHILLIPS COMPANY | MCA UNIT | 069 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR GRAYBURG SA REP(ABOLISHED) |                     | 0     | O  | Pumping               |
| 30-025-00612 | CONOCOPHILLIPS COMPANY | MCA UNIT | 071 | LEA | S-21, T-17S, R-32E | Jan 1963 | 7.03     | 144,883 | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,131 | O  | Pumping               |
| 30-025-00612 | CONOCOPHILLIPS COMPANY | MCA UNIT | 071 | LEA | S-21, T-17S, R-32E | Jan 1969 | 24.68    | 59,577  | MALJAMAR GRAYBURG SA REP(ABOLISHED) |                     | 4,131 | O  | Pumping               |
| 30-025-00615 | CONOCO, INC.           | MCA UNIT | 068 | LEA | S-21, T-17S, R-32E | Jan 1963 | 0.00     | 0       | MALJAMAR                            | GRAYBURG-SAN ANDRES |       | I  | Temporarily Abandoned |
| 30-025-00616 | CONOCO, INC.           | MCA UNIT | 090 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR GRAYBURG SA REP(ABOLISHED) |                     | 4,133 | I  | Pumping               |
| 30-025-00616 | CONOCO, INC.           | MCA UNIT | 090 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,133 | I  | Pumping               |
| 30-025-00618 | CONOCOPHILLIPS COMPANY | BAISH A  | 003 | LEA | S-21, T-17S, R-32E | Jan 1963 | 1.90     | 69,897  | BAISH                               | YATES               |       | O  | Pumping               |
| 30-025-00619 | CONOCOPHILLIPS COMPANY | BAISH A  | 005 | LEA | S-21, T-17S, R-32E | Jan 1963 | 1.90     | 146,086 | BAISH                               | YATES               |       | O  | Pumping               |
| 30-025-08031 | CONOCOPHILLIPS COMPANY | MCA UNIT | 046 | LEA | S-21, T-17S, R-32E | Jan 1993 | 3.90     | 15,214  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 0     | O  | Pumping               |
| 30-025-12707 | CONOCOPHILLIPS COMPANY | MCA UNIT | 028 | LEA | S-21, T-17S, R-32E | Jan 1963 | 17.26    | 0       | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,117 | PI | Temporarily Abandoned |
| 30-025-12707 | CONOCOPHILLIPS COMPANY | MCA UNIT | 028 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR GRAYBURG SA REP(ABOLISHED) |                     | 4,117 | PI | Temporarily Abandoned |
| 30-025-12763 | CONOCOPHILLIPS COMPANY | MCA UNIT | 044 | LEA | S-21, T-17S, R-32E | Jan 1970 | 1.55     | 90,853  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,066 | O  | Active                |
| 30-025-20568 | CONOCOPHILLIPS COMPANY | BAISH A  | 012 | LEA | S-21, T-17S, R-32E | Feb 1964 | 7.52     | 589,110 | BAISH                               | WOLF CAMP           |       | O  | Pumping               |
| 30-025-20568 | CONOCOPHILLIPS COMPANY | BAISH A  | 012 | LEA | S-21, T-17S, R-32E | Apr 1964 | 7.32     | 431,973 | MALJAMAR                            | ABO                 |       | O  | Pumping               |
| 30-025-22861 | CONOCOPHILLIPS COMPANY | MCA UNIT | 245 | LEA | S-21, T-17S, R-32E | Jan 1993 | 2.35     | 28,006  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,130 | O  | Pumping               |
| 30-025-23433 | CONOCOPHILLIPS COMPANY | MCA UNIT | 251 | LEA | S-21, T-17S, R-32E | Jan 1993 | 5.48     | 25,848  | MALJAMAR                            | GRAYBURG-SAN ANDRES |       | O  | Pumping               |
| 30-025-23660 | CONOCO, INC.           | MCA UNIT | 262 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,130 | I  | Pumping               |
| 30-025-24267 | CONOCOPHILLIPS COMPANY | MCA UNIT | 328 | LEA | S-21, T-17S, R-32E | Jan 1993 | 3.13     | 27,240  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,200 | O  | Pumping               |
| 30-025-24461 | CONOCO, INC.           | MCA UNIT | 340 | LEA | S-21, T-17S, R-32E |          |          | 0       | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,175 | O  | Temporarily Abandoned |
| 30-025-29854 | CONOCOPHILLIPS COMPANY | MCA UNIT | 368 | LEA | S-21, T-17S, R-32E | May 1987 | 1.55     | 67,453  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,229 | O  | Active                |
| 30-025-29959 | CONOCOPHILLIPS COMPANY | MCA UNIT | 373 | LEA | S-21, T-17S, R-32E | Oct 1987 | 3.42     | 29,056  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,350 | PO | Pumping               |
| 30-025-30347 | CONOCOPHILLIPS COMPANY | MCA UNIT | 379 | LEA | S-21, T-17S, R-32E | Sep 1988 |          | 30,192  | MALJAMAR                            | GRAYBURG-SAN ANDRES | 4,220 | PO | Pumping               |

|              |                   |                     |     |     |                  |          |       |          |         |                                     |  |                     |        |    |                       |
|--------------|-------------------|---------------------|-----|-----|------------------|----------|-------|----------|---------|-------------------------------------|--|---------------------|--------|----|-----------------------|
| 30-025-34773 | COG OPERATING LLC | MC FEDERAL          | 003 | LEA | S21, T:17S, R32E | Apr 2000 | 4.32  | Mar 2009 | 41,512  | MALJAMAR                            |  | PADDOCK             | 5,952  | O  | Pumping               |
| 30-025-34933 | COG OPERATING LLC | MC FEDERAL          | 004 | LEA | S21, T:17S, R32E | Jun 2000 | 10.03 | Mar 2009 | 37,555  | MALJAMAR                            |  | PADDOCK             | 5,982  | O  | Pumping               |
| 30-025-34973 | COG OPERATING LLC | MC FEDERAL          | 5   | LEA | S21, T:17S, R32E | Apr 2001 | 23.74 | Mar 2009 | 53,371  | MALJAMAR                            |  | PADDOCK             | 6,908  | O  | Pumping               |
| 30-025-35252 | COG OPERATING LLC | MC FEDERAL          | 006 | LEA | S21, T:17S, R32E | Apr 2001 | 18.13 | Mar 2009 | 1,823   | MALJAMAR                            |  | DEVONIAN            | 15,026 | G  | Pumping               |
| 30-025-00622 | CONOCO, INC.      | BAISH A             | 008 | LEA | S21, T:17S, R32E | Jan 1963 | 1.48  | Dec 1969 | 0       | MALJAMAR                            |  | ABO                 | 13,670 | O  | Active                |
| 30-025-00613 | CONOCO, INC.      | BAISH A             | 004 | LEA | S21, T:17S, R32E | Dec 1966 | 3.57  | Apr 1970 | 118     | BAISH                               |  | YATES               |        | O  | Active                |
| 30-025-00620 | CONOCO, INC.      | BAISH A             | 006 | LEA | S21, T:17S, R32E | Jan 1959 | 1.20  | Nov 1969 | 0       | BAISH                               |  | YATES               |        | O  | Active                |
| 30-025-00614 | CONOCO, INC.      | MCA UNIT            | 355 | LEA | S21, T:17S, R32E |          |       |          |         | MALJAMAR                            |  | GRAYBURG-SAN ANDRES |        | I  | Unknown               |
| 30-025-22661 |                   | MCA UNIT BATTERY 2  | 245 | LEA | S21, T:17S, R32E | Jan 1969 | 19.39 | Dec 1976 | 23,891  | MALJAMAR GRAYBURG SA REP(ABOLISHED) |  | GRAYBURG-SAN ANDRES | 4,130  | O  | Pumping               |
| 30-025-22661 |                   | MCA UNIT BATTERY 2  | 245 | LEA | S21, T:17S, R32E | Sep 1968 | 8.03  | Dec 1993 | 43,364  | MALJAMAR                            |  | GRAYBURG-SAN ANDRES | 4,130  | O  | Pumping               |
| 30-025-20304 |                   | BAISH A             | 010 | LEA | S21, T:17S, R32E |          |       |          | 0       | BAISH                               |  | YATES               |        | I  | Unknown               |
| 30-025-20149 |                   | BAISH A             | 011 | LEA | S21, T:17S, R32E |          |       |          | 0       | BAISH                               |  | YATES               | 2,436  | I  | Unknown               |
| 30-025-00606 |                   | MCA UNIT BATTERY 2  | 047 | LEA | S21, T:17S, R32E | Feb 1967 | 12.06 | Dec 1974 | 31,136  | MALJAMAR GRAYBURG SA REP(ABOLISHED) |  | GRAYBURG-SAN ANDRES | 0      | O  | Pumping               |
| 30-025-23660 |                   | MCA UNIT BATTERY 1  | 262 | LEA | S21, T:17S, R32E | Jan 1971 | 19.39 | Dec 1976 | 185,270 | MALJAMAR GRAYBURG SA REP(ABOLISHED) |  | GRAYBURG-SAN ANDRES | 4,130  | I  | Pumping               |
| 30-025-23660 |                   | MCA UNIT BATTERY 1  | 262 | LEA | S21, T:17S, R32E | Jan 1977 | 0.90  | Oct 1990 | 1,629   | MALJAMAR                            |  | GRAYBURG-SAN ANDRES | 4,130  | I  | Pumping               |
| 30-025-00606 |                   | MCA UNIT BATTERY 21 | 047 | LEA | S21, T:17S, R32E |          |       |          | 0       | BAISH                               |  | YATES               | 0      | O  | Pumping               |
| 30-025-00605 |                   | MCA UNIT BATTERY 2  | 045 | LEA | S21, T:17S, R32E |          |       |          | 0       | MALJAMAR GRAYBURG SA REP(ABOLISHED) |  | GRAYBURG-SAN ANDRES | 4,106  | PI | Injection Well        |
| 30-025-00605 |                   | MCA UNIT BATTERY 2  | 045 | LEA | S21, T:17S, R32E | Jan 1963 | 46.68 | Jul 1965 | 0       | MALJAMAR                            |  | GRAYBURG-SAN ANDRES | 4,106  | PI | Injection Well        |
| 30-025-12763 |                   | MCA UNIT BATTERY 19 | 044 | LEA | S21, T:17S, R32E |          |       |          | 0       | BAISH                               |  | YATES               | 4,066  | O  | Active                |
| 30-025-00000 |                   | BAISH A             | 001 | LEA | S21, T:17S, R32E | Oct 1963 | 0.00  | Dec 1969 | 0       | MALJAMAR                            |  | ABO                 |        | G  | Active                |
| 30-025-00000 |                   | BAISH A             | 001 | LEA | S21, T:17S, R32E |          |       |          | 0       | MALJAMAR                            |  | QUEEN (GAS)         |        | G  | Active                |
| 30-025-00614 |                   | MCA UNIT BATTERY 2  | 355 | LEA | S21, T:17S, R32E |          |       |          | 0       | MALJAMAR                            |  | GRAYBURG-SAN ANDRES |        | I  | Unknown               |
| 30-025-24461 |                   | MCA UNIT BATTERY 2  | 340 | LEA | S21, T:17S, R32E | Jan 1977 | 1.23  | May 1991 | 6,380   | MALJAMAR                            |  | GRAYBURG-SAN ANDRES | 4,175  | O  | Temporarily Abandoned |

|              |                            |     |     |                          |          |        |          |         |                                      |                     |       |   |                       |
|--------------|----------------------------|-----|-----|--------------------------|----------|--------|----------|---------|--------------------------------------|---------------------|-------|---|-----------------------|
| 30-025-24461 | BATTERY<br>2               | 340 | LEA | T-17S,<br>R-32E          | Aug 1973 | 6.45   | Dec 1976 | 3,290   | MALJAMAR GRAYBURG SA REP (ABOLISHED) | GRAYBURG-SAN ANDRES | 4,175 | O | Temporarily Abandoned |
| 30-025-00603 | MCA UNIT<br>BATTERY<br>20  | 043 | LEA | S-21,<br>T-17S,<br>R-32E |          |        |          | 0       | BAISH                                | YATES               |       | O | Pumping               |
| 30-025-20216 | BAISH A                    | 009 | LEA | S-21,<br>T-17S,<br>R-32E | Oct 1963 | 3.97   | Dec 1967 | 0       | BAISH                                | YATES               | 9,822 | O | Active                |
| 30-025-00602 | MCA UNIT<br>BATTERY<br>2   | 042 | LEA | S-21,<br>T-17S,<br>R-32E |          |        |          | 0       | MALJAMAR GRAYBURG SA REP (ABOLISHED) | GRAYBURG-SAN ANDRES |       | I | Temporarily Abandoned |
| 30-025-00602 | MCA UNIT<br>BATTERY<br>2   | 042 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 24.74  | Jul 1965 | 0       | MALJAMAR                             | GRAYBURG-SAN ANDRES |       | I | Temporarily Abandoned |
| 30-025-00000 | BAISH A                    | 027 | LEA | S-21,<br>T-17S,<br>R-32E | Sep 1959 | 111.32 | Dec 1962 | 0       | UND LEA                              | BOUGH, SOUTH        |       | G | Active                |
| 30-025-00621 | BAISH A                    | 007 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 2.52   | Dec 1971 | 2,522   | BAISH                                | YATES               |       | O | Active                |
| 30-025-00611 | MCA UNIT<br>BATTERY<br>2   | 069 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1967 | 25.87  | Dec 1974 | 33,254  | MALJAMAR GRAYBURG SA REP (ABOLISHED) | GRAYBURG-SAN ANDRES | 0     | O | Pumping               |
| 30-025-23433 | MCA UNIT<br>BATTERY<br>2   | 251 | LEA | S-21,<br>T-17S,<br>R-32E | Apr 1970 | 86.19  | Dec 1976 | 56,605  | MALJAMAR GRAYBURG SA REP (ABOLISHED) | GRAYBURG-SAN ANDRES |       | O | Pumping               |
| 30-025-23433 | MCA UNIT<br>BATTERY<br>2   | 251 | LEA | S-21,<br>T-17S,<br>R-32E | Apr 1970 | 15.61  | Dec 1993 | 68,417  | MALJAMAR                             | GRAYBURG-SAN ANDRES |       | O | Pumping               |
| 30-025-24267 | MCA UNIT<br>BATTERY<br>2   | 328 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1977 | 10.45  | Dec 1993 | 46,342  | MALJAMAR                             | GRAYBURG-SAN ANDRES | 4,200 | O | Pumping               |
| 30-025-24267 | MCA UNIT<br>BATTERY<br>2   | 328 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1973 | 67.77  | Dec 1976 | 1,399   | MALJAMAR GRAYBURG SA REP (ABOLISHED) | GRAYBURG-SAN ANDRES | 4,200 | O | Pumping               |
| 30-025-00617 | MCA UNIT<br>BATTERY<br>2   | 091 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 30.10  | Dec 1975 | 110,399 | MALJAMAR                             | GRAYBURG-SAN ANDRES |       | O | Active                |
| 30-025-00601 | CONTINENTAL OIL<br>COMPANY | 027 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 3.90   | Dec 1971 | 6,641   | MALMAJAR REPRESS                     |                     | 4,167 | O | Pumping               |
| 30-025-00603 | CONTINENTAL OIL<br>COMPANY | 043 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 21.45  | Dec 1971 | 9,840   | MALJAMAR REPRESS                     |                     |       | O | Pumping               |
| 30-025-12763 | CONTINENTAL OIL<br>COMPANY | 044 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1969 | 39.03  | Dec 1971 | 3,457   | MALJAMAR REPRESS                     |                     | 4,066 | O | Active                |
| 30-025-12763 | CONTINENTAL OIL<br>COMPANY | 044 | LEA | S-21,<br>T-17S,<br>R-32E | Mar 1968 | 80.90  | Dec 1968 |         | MALJAMAR REPRESS                     |                     | 4,066 | O | Active                |
| 30-025-08031 | CONTINENTAL OIL<br>COMPANY | 046 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 140.55 | Dec 1971 | 132,094 | MALJAMAR REPRESS                     |                     | 0     | O | Pumping               |
| 30-025-00606 | CONTINENTAL OIL<br>COMPANY | 047 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1968 | 5.74   | Dec 1968 |         | MALJAMAR REPRESS                     |                     | 0     | O | Pumping               |
| 30-025-00610 | CONTINENTAL OIL<br>COMPANY | 067 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 23.68  | Dec 1971 | 16,737  | MALJAMAR REPRESS                     |                     | 4,125 | I | Injection Well        |
| 30-025-00611 | CONTINENTAL OIL<br>COMPANY | 069 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 51.16  | Dec 1968 |         | MALJAMAR REPRESS                     |                     | 0     | O | Pumping               |
| 30-025-00616 | CONTINENTAL OIL<br>COMPANY | 090 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 0.20   | Sep 1969 | 0       | MALJAMAR REPRESS                     |                     | 4,133 | I | Pumping               |
| 30-025-00609 | CONTINENTAL OIL<br>COMPANY | 092 | LEA | S-21,<br>T-17S,<br>R-32E | Jan 1963 | 85.90  | Dec 1971 | 13,829  | MALJAMAR REPRESS                     |                     | 4,082 | O | Pumping               |
|              | BUFFALO OIL                |     |     | S-21,<br>T-17S,          |          |        |          |         |                                      |                     |       |   |                       |

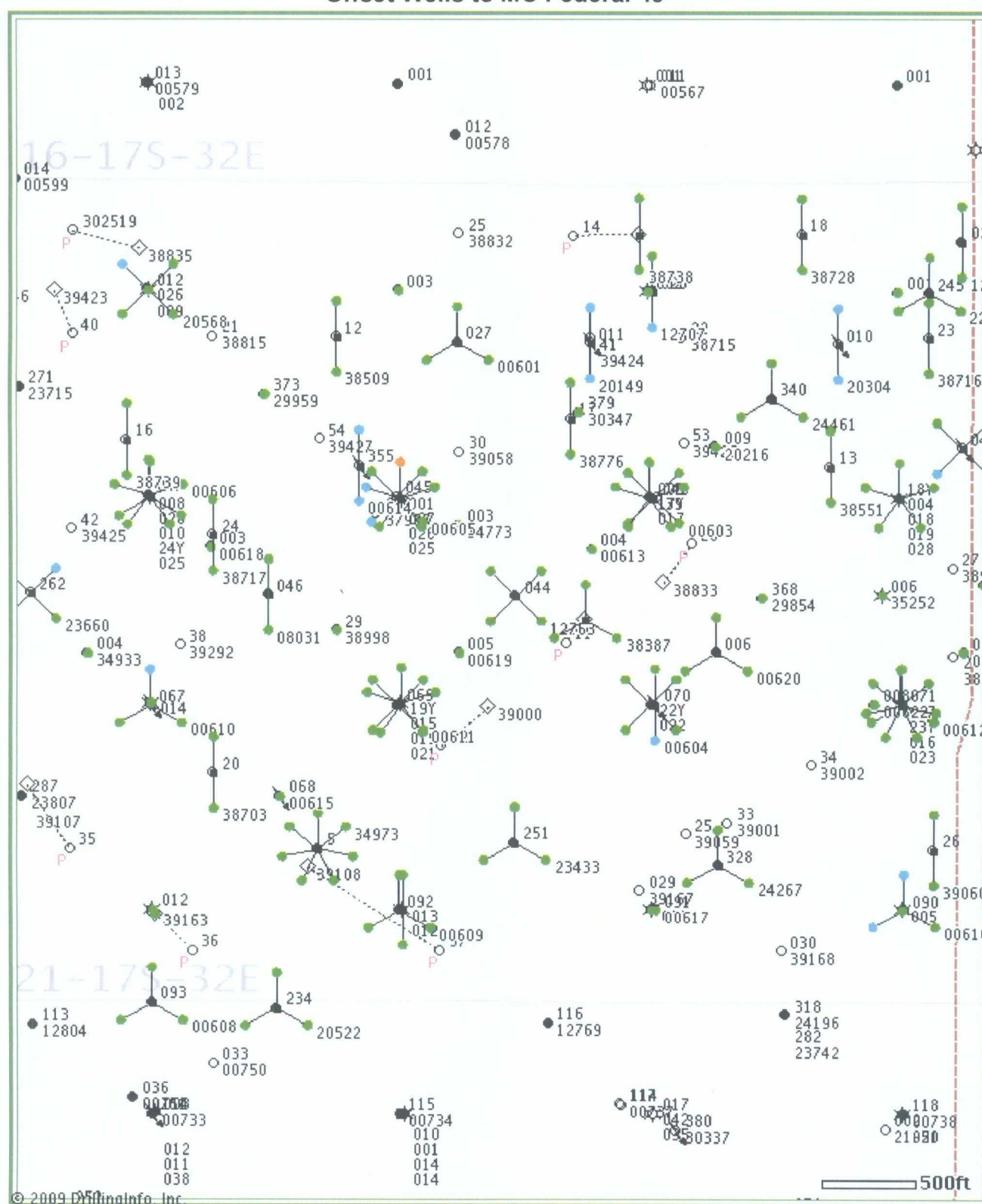


|              |                     |         |     |     |                   |          |       |          |                            |  |                 |  |   |        |
|--------------|---------------------|---------|-----|-----|-------------------|----------|-------|----------|----------------------------|--|-----------------|--|---|--------|
| 30-025-00000 | COMPANY             | BAISH A | 17Y | LEA | R 32E             | Jan 1952 | 1.55  | Dec 1952 | BAISH                      |  | WOLFCAMP, NORTH |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 18Y | LEA | S21, T-17S, R 32E | Jan 1952 | 9.35  | Dec 1957 | BAISH                      |  | WOLFCAMP, NORTH |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 19Y | LEA | S21, T-17S, R 32E | Jan 1952 | 8.32  | Dec 1957 | BAISH                      |  | WOLFCAMP, NORTH |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 22Y | LEA | S21, T-17S, R 32E | Jun 1952 | 4.00  | Dec 1957 | BAISH                      |  | WOLFCAMP, NORTH |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 23Y | LEA | S21, T-17S, R 32E | Jun 1952 | 5.00  | Dec 1957 | BAISH                      |  | WOLFCAMP, NORTH |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 001 | LEA | S21, T-17S, R 32E | Dec 1947 | 0.90  | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 002 | LEA | S21, T-17S, R 32E | Jan 1945 | 40.29 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 003 | LEA | S21, T-17S, R 32E | Jan 1945 | 43.58 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 004 | LEA | S21, T-17S, R 32E | Jan 1945 | 40.29 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 012 | LEA | S21, T-17S, R 32E | Jan 1945 | 5.00  | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 013 | LEA | S21, T-17S, R 32E | Jan 1945 | 31.00 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 014 | LEA | S21, T-17S, R 32E | Jan 1945 | 27.00 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 015 | LEA | S21, T-17S, R 32E | Jan 1945 | 5.00  | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 016 | LEA | S21, T-17S, R 32E | Jan 1945 | 6.42  | Dec 1962 | MALJAMAR REPRESSURING      |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 020 | LEA | S21, T-17S, R 32E | Jan 1949 | 23.77 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH B | 005 | LEA | S21, T-17S, R 32E | Jan 1945 | 35.39 | Dec 1962 | MALJAMAR REPRESSURING      |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH B | 006 | LEA | S21, T-17S, R 32E | Mar 1947 | 17.19 | Dec 1962 | MALJAMAR REPRESSURING POOL |  |                 |  | G | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 17Y | LEA | S21, T-17S, R 32E | Apr 1948 | 0.32  | Oct 1953 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 18Y | LEA | S21, T-17S, R 32E | Jul 1948 | 11.65 | Dec 1954 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 18Y | LEA | S21, T-17S, R 32E | Jan 1951 | 10.16 | Dec 1955 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 19Y | LEA | S21, T-17S, R 32E | Aug 1948 | 8.61  | Dec 1955 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 22Y | LEA | S21, T-17S, R 32E | Jan 1953 | 4.71  | Dec 1955 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 23Y | LEA | S21, T-17S, R 32E | Jan 1953 | 3.13  | Dec 1955 | BAISH POOL                 |  |                 |  | O | Active |
| 30-025-00000 | BUFFALO OIL COMPANY | BAISH A | 017 | LEA | S21, T-17S, R 32E | Apr 1948 | 7.00  | Dec 1950 | BAISH POOL                 |  |                 |  | O | Active |

|              |                               |                    |     |     |                         |          |        |          |                             |        |                     |       |   |               |
|--------------|-------------------------------|--------------------|-----|-----|-------------------------|----------|--------|----------|-----------------------------|--------|---------------------|-------|---|---------------|
| 30-025-00000 | BUFFALO OIL CO                | BAISH A            | 018 | LEA | S21,<br>T-17S,<br>R-32E | Jul 1948 | 6.68   | Dec 1962 | BAISH                       |        | WOLFCAMP, NORTH     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 019 | LEA | S21,<br>T-17S,<br>R-32E | Aug 1948 | 5.13   | Dec 1962 | BAISH POOL                  |        |                     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 005 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1945 | 7.32   | Dec 1962 | MALJAMAR                    |        | GRAYBURG-SAN ANDRES |       | O | Active        |
| 30-025-00620 | BUFFALO OIL COMPANY           | BAISH A            | 006 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1945 | 10.00  | Dec 1962 | MALJAMAR                    |        | GRAYBURG-SAN ANDRES |       | O | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 007 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1945 | 30.71  | Dec 1962 | MALJAMAR                    |        | GRAYBURG-SAN ANDRES |       | G | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 009 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1945 | 12.87  | Dec 1962 | MALJAMAR REPRESSURING       |        |                     |       | G | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 021 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1953 | 18.61  | Dec 1962 | MALJAMAR REPRESSURING       |        |                     |       | G | Active        |
| 30-025-00000 | BUFFALO OIL CO.               | BAISH A            | 010 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1949 | 7.00   | Dec 1949 | MALJAMAR REPRESSURING       |        |                     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL CO.               | BAISH A            | 012 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1948 | 33.10  | Dec 1948 | MALJAMAR REPRESSURING POOL  |        |                     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 24Y | LEA | S21,<br>T-17S,<br>R-32E | Jul 1952 | 20.16  | Dec 1952 | BAISH POOL                  |        |                     |       | O | Active        |
| 30-025-23860 | CONTINENTAL OIL CO            | MCA UNIT BATTERY 2 | 262 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1971 | 342.94 | Dec 1971 | MALJAMAR GRAYBURG SA REPRES | 99,484 |                     | 4,130 | I | Pumping       |
| 30-025-00612 | CONTINENTAL OIL CO            | MCA UNIT BATTERY 3 | 071 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1965 | 79.39  | Dec 1971 | MALJAMAR GRAYBURG SA REPRES | 16,997 |                     | 4,131 | O | Pumping       |
| 30-025-00000 | BUFFALO OIL COMPANY           | BAISH A            | 025 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1954 | 13.81  | May 1954 | PLUGGED & ABANDONED         |        |                     |       | O | Active        |
| 30-025-00000 | CONTINENTAL OIL CO            | BAISH A FED        | 027 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1960 | 102.16 | Dec 1961 | MALJAMAR ABO DEPTH RANGE    |        |                     |       | G | Active        |
| 30-025-00000 | CONTINENTAL OIL               | BAISH A Y FED      | 022 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1958 | 3.42   | Dec 1961 | BAISH BLINEBRY              |        |                     |       | O | Active        |
| 30-025-00000 | CONTINENTAL OIL CO            | BAISH A Y FED      | 023 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1958 | 4.29   | Dec 1961 | BAISH BLINEBRY              |        |                     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL CO.               | BAISH A            | 005 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1948 | 24.00  | Dec 1948 | MALJAMAR REPRESSURING POOL  |        |                     |       | O | Active        |
| 30-025-00620 | BUFFALO OIL CO.               | BAISH A            | 006 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1948 | 16.97  | Dec 1948 | MALJAMAR REPRESSURING POOL  |        |                     |       | O | Active        |
| 30-025-00000 | BUFFALO OIL CO.               | BAISH A            | 007 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1948 | 29.58  | Dec 1948 | MALJAMAR REPRESSURING POOL  |        |                     |       | G | Active        |
| 30-025-00000 | CONTINENTAL OIL CO HOBBS DIST | BAISH A FED        | 022 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1959 | 2.06   | Dec 1962 | BAISH YATES                 |        |                     |       | O | Active        |
| 30-025-00000 | CONTINENTAL OIL CO HOBBS DIST | BAISH A FED        | 023 | LEA | S21,<br>T-17S,<br>R-32E | Jan 1959 | 4.00   | Dec 1962 | BAISH YATES                 |        |                     |       | O | Active        |
| 30-025-38387 | COG OPERATING LLC             | MC FEDERAL         | 11  | LEA | S21,<br>T-17S,<br>R-32E | Sep 2007 | 14.97  | Mar 2009 | MALJAMAR                    | 47,559 | PADDOCK             | 7,015 | O | Active Permit |
| 30-025-38509 | COG OPERATING LLC             | MC FEDERAL         | 12  | LEA | S21,<br>T-17S,<br>R-32E | Nov 2007 | 8.26   | Mar 2009 | MALJAMAR                    | 67,775 | PADDOCK             | 7,012 | O | Active Permit |

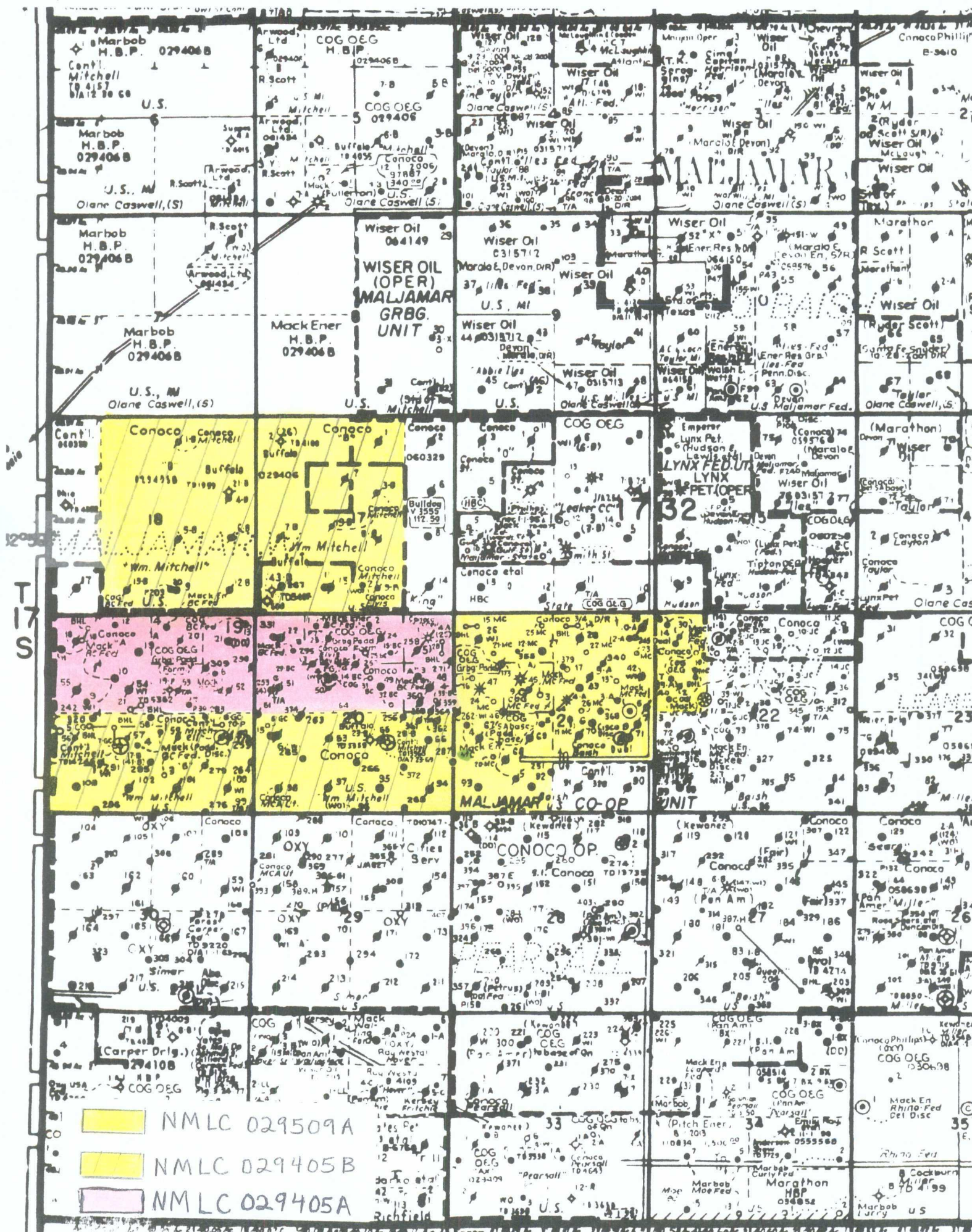
|              |                        |                 |     |     |                   |          |        |          |         |                       |                     |       |    |               |
|--------------|------------------------|-----------------|-----|-----|-------------------|----------|--------|----------|---------|-----------------------|---------------------|-------|----|---------------|
| 30-025-38387 | COG OPERATING LLC      | MC FEDERAL      | 11  | LEA | T-17S, R-32E      | Aug 2007 | 4.48   | Jan 2008 | 20,215  | WILDCAT G-02 S173222E | YESO                | 7,015 | O  | Active Permit |
| 30-025-20149 | HANAGAN PETROLEUM CORP | PRE-ONGARD WELL | 011 | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR              | GRAYBURG-SAN ANDRES | 2,436 | I  | Unknown       |
| 30-025-20304 | HANAGAN PETROLEUM CORP | PRE-ONGARD WELL | 010 | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR              | GRAYBURG-SAN ANDRES |       | I  | Unknown       |
| 30-025-38551 | COG OPERATING LLC      | MC FEDERAL      | 13  | LEA | S21, T-17S, R-32E | Dec 2007 | 8.13   | Mar 2009 | 123,102 | MALJAMAR              | PADDOCK             | 7,125 | O  | Active Permit |
| 30-025-38509 | COG OPERATING LLC      | MC FEDERAL      | 12  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, PADDOCK     |                     | 7,012 | O  | Active Permit |
| 30-025-38387 | COG OPERATING LLC      | MC FEDERAL      | 11  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, PADDOCK     |                     | 7,015 | O  | Active Permit |
| 30-025-38703 | COG OPERATING LLC      | MC FEDERAL      | 20  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 7,027 | O  | Active Permit |
| 30-025-38551 | COG OPERATING LLC      | MC FEDERAL      | 13  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 7,125 | O  | Active Permit |
| 30-025-34973 | COG OPERATING LLC      | MC FEDERAL      | 5   | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 6,908 | O  | Pumping       |
| 30-025-38703 | COG OPERATING LLC      | MC FEDERAL      | 20  | LEA | S21, T-17S, R-32E | Apr 2008 | 32.29  | Mar 2009 | 20,411  | MALJAMAR (PADDOCK)    | PADDOCK             | 7,027 | O  | Active Permit |
| 30-025-38776 | COG OPERATING LLC      | MC FEDERAL      | 17  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 7,039 | O  | Active Permit |
| 30-025-34973 | MACK ENERGY CORP       | MC FEDERAL      | 5   | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, PADDOCK     |                     | 6,908 | O  | Pumping       |
| 30-025-38776 | COG OPERATING LLC      | MC FEDERAL      | 17  | LEA | S21, T-17S, R-32E | Jun 2008 | 115.90 | Mar 2009 | 33,231  | MALJAMAR (PADDOCK)    | PADDOCK             | 7,039 | O  | Active Permit |
| 30-025-38717 | COG OPERATING LLC      | MC FEDERAL      | 24  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO        |                     | 7,042 | O  | Active Permit |
| 30-025-38717 | COG OPERATING LLC      | MC FEDERAL      | 24  | LEA | S21, T-17S, R-32E | Sep 2008 | 40.87  | Mar 2009 | 7,078   | MALJAMAR (PADDOCK)    | PADDOCK             | 7,042 | O  | Active Permit |
| 30-025-38716 | COG OPERATING LLC      | MC FEDERAL      | 23  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR              | DEVONIAN, WEST      | 6,999 | O  | Active Permit |
| 30-025-38716 | COG OPERATING LLC      | MC FEDERAL      | 23  | LEA | S21, T-17S, R-32E | Nov 2008 | 125.26 | Mar 2009 | 34,065  | MALJAMAR (PADDOCK)    | PADDOCK             | 6,999 | O  | Active Permit |
| 30-025-38998 | COG OPERATING LLC      | MC FEDERAL      | 29  | LEA | S21, T-17S, R-32E | Dec 2008 | 82.87  | Mar 2009 | 16,492  | MALJAMAR (PADDOCK)    | PADDOCK             | 7,000 | PO | Active Permit |
| 30-025-38739 | COG OPERATING LLC      | MC FEDERAL      | 16  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 7,021 | O  | Active Permit |
| 30-025-38739 | COG OPERATING LLC      | MC FEDERAL      | 16  | LEA | S21, T-17S, R-32E | Feb 2009 | 114.71 | Mar 2009 | 9,354   | MALJAMAR (PADDOCK)    | PADDOCK             | 7,021 | O  | Active Permit |
| 30-025-39060 | COG OPERATING LLC      | JC FEDERAL      | 26  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR, YESO, WEST  |                     | 7,010 | O  | Active Permit |
| 30-025-39163 | COG OPERATING LLC      | MC FEDERAL      | 36  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR (PADDOCK)    | PADDOCK             | 7,012 | PO | Active Permit |
| 30-025-39060 | COG OPERATING LLC      | JC FEDERAL      | 26  | LEA | S21, T-17S, R-32E |          |        |          |         | MALJAMAR (PADDOCK)    | PADDOCK             | 7,010 | O  | Active Permit |

## Offset Wells to MC Federal 49



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NMLC 029509A  
NMLC 029405B  
NMLC 029405A



Other Wells

|              |                                            |               |
|--------------|--------------------------------------------|---------------|
| Mc Fed. #18  | maljamar, Yeso, west                       | 6050' - 6800' |
| " " #23      | " " "                                      | 5425' - 6650' |
| Baish A #12  | maljamar, Abo                              | 8905' - 8977' |
| Mc Unit #245 | maljamar, Gray <sup>B</sup> ry, San Andres | 3892' - 4114' |

108  
302  
228  
+

**Brooks, David K., EMNRD**

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**From:** Brooks, David K., EMNRD  
**Sent:** Wednesday, July 08, 2009 3:06 PM  
**To:** 'swild@conchoresources.com'  
**Subject:** MC Federal #49; NSL Application

Dear Mr. Wild

The referenced application states that the proposed location encroaches toward the NW/4 NE/4 of Section 21.

However, it appears also to encroach on the diagonal toward the SW/4 NE/4 of Section 21. Are all working interests in the SW/4 NE/4 the same as in the N/2 NE/4?

Thanks

David K. Brooks  
Legal Examiner  
505-476-3450

**Brooks, David K., EMNRD**

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**From:** Seth Wild [swild@conchoresources.com]  
**Sent:** Thursday, July 09, 2009 1:32 PM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: MC Federal #49; NSL Application

David,

All working intrests are the same in the NE/4 of section 21. If there are any other questions, please let me know.

Thanks,

Seth Wild  
Drilling Engineer  
Concho Resoucrs  
432-528-3633

---

**From:** Brooks, David K., EMNRD [david.brooks@state.nm.us]  
**Sent:** Wednesday, July 08, 2009 4:06 PM  
**To:** Seth Wild  
**Subject:** MC Federal #49; NSL Application

Dear Mr. Wild

The referenced application states that the proposed location encroaches toward the NW/4 NE/4 of Section 21.

However, it appears also to encroach on the diagonal toward the SW/4 NE/4 of Section 21. Are all working interests in the SW/4 NE/4 the same as in the N/2 NE/4?

Thanks

David K. Brooks  
Legal Examiner  
505-476-3450

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**Well File Search - Select API Number to View**

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.

6 Records Found

Displaying Screen 1 of 1

- | API Number                                             | ULSTR         | Footages           |
|--------------------------------------------------------|---------------|--------------------|
| <input type="radio"/> 3002512748                       | A -21-17S-32E | 330 FNL & 330 FEL  |
| <b>Well Name &amp; Number:</b> MCA UNIT No. 029        |               |                    |
| <b>Operator:</b> CONOCO INC                            |               |                    |
| <input type="radio"/> 3002520304                       | A -21-17S-32E | 990 FNL & 990 FEL  |
| <b>Well Name &amp; Number:</b> PRE-ONGARD WELL No. 010 |               |                    |
| <b>Operator:</b> PRE-ONGARD WELL OPERATOR              |               |                    |
| <input type="radio"/> 3002520568                       | A -21-17S-32E | 660 FNL & 660 FWL  |
| <b>Well Name &amp; Number:</b> BAISH A No. 012         |               |                    |
| <b>Operator:</b> CONOCOPHILLIPS COMPANY                |               |                    |
| <input type="radio"/> 3002522661                       | A -21-17S-32E | 660 FNL & 500 FEL  |
| <b>Well Name &amp; Number:</b> MCA UNIT No. 245        |               |                    |
| <b>Operator:</b> CONOCOPHILLIPS COMPANY                |               |                    |
| <input type="radio"/> 3002538716                       | A -21-17S-32E | 990 FNL & 480 FEL  |
| <b>Well Name &amp; Number:</b> MC FEDERAL No. 023      |               |                    |
| <b>Operator:</b> COG OPERATING LLC                     |               |                    |
| <input type="radio"/> 3002538728                       | A -21-17S-32E | 330 FNL & 1140 FEL |
| <b>Well Name &amp; Number:</b> MC FEDERAL No. 018      |               |                    |
| <b>Operator:</b> COG OPERATING LLC                     |               |                    |

*also, UK*

6 Records Found

Displaying Screen 1 of 1

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