

|                 |          |             |                   |          |                   |
|-----------------|----------|-------------|-------------------|----------|-------------------|
| DATE IN 5.12.11 | SUSPENSE | ENGINEER DB | LOGGED IN 5.12.11 | TYPE NSL | APP NO 1113255407 |
|-----------------|----------|-------------|-------------------|----------|-------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



C06 229137

6-T West Corp Unit #204

6392

## 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]

state  
addy

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

RECEIVED OGD  
 2011 MAY 12 A 11:55

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

INTEREST ARE THE SAME

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

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

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

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

Kelly J. Holly  
 Print or Type Name

*Kelly J. Holly*  
 Signature

Permitting Tech  
 Title

5-11-11  
 Date

(432) 685-4384  
 Phone Number

kholly@conchoresources.com  
 E-mail Address

**G J West Coop Unit #284  
Eddy County, NM**

COG is requesting to drill a vertical NW/4 SE/4, 40 acre spacing  
GJ; 7RVS-QN-GB-GLORIETA-YESO oil well  
TD of approximately 6200'

Non-standard Location:  
1650' FSL & 1626' FEL      Sec 28, T17S, R29E, Unit J

This well had to be staked at a non-standard location 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 G J West Coop Unit #149 which was drilled and is located 2310' FSL 2310'  
FWL, Section 21, T17S, R29E, Unit K.

The G J West Coop Unit #149 completion divided the Yeso up into 3  
perf/stimulation intervals:.

1<sup>st</sup> interval: 5153' – 5381',  
acidized w/ 2500 gals,  
frac'd w/ 6014 gals 40# gel, 30,777 gals 30# gel, 56,847 gals 40# gel, 8000#  
LiteProp, 74,940# 16/30 White Sand, 15,920# SiberProp 16/30 sand.

2<sup>nd</sup> interval: 4914' – 5050',  
acidized w/ 1975 gals,  
frac'd w/ 6002 gals 40# gel, 30,757 gals 30# gel, 47,321 gals 40# gel, 8000#  
LiteProp, 74,800# 16/30 sand & 15,700# SiberProp 16/30 sand.

3<sup>rd</sup> interval: 4613' – 4814',  
acidized w/ 1850 gals,  
frac'd w/ 93,882 gals gel, 8019# LiteProp, 74,900# 16/30 White Sand, 16,220#  
SiberProp.

**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 NE/4 SE/4 of Section 28.

Interests are the same.

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

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210  
DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
DISTRICT IV  
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

Form C-102  
Revised July 16, 2010  
Submit to Appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                              |                                     |                                           |
|------------------------------|-------------------------------------|-------------------------------------------|
| API Number<br>30-015 - 39044 | Pool Code<br>97558                  | Pool Name<br>GJ; 7RVS-QN-GB-Glorieta-Yeso |
| Property Code<br>302497      | Property Name<br>GJ WEST COOP UNIT  | Well Number<br>284                        |
| OGRID No.<br>229137          | Operator Name<br>COG OPERATING, LLC | Elevation<br>3560'                        |

Surface Location

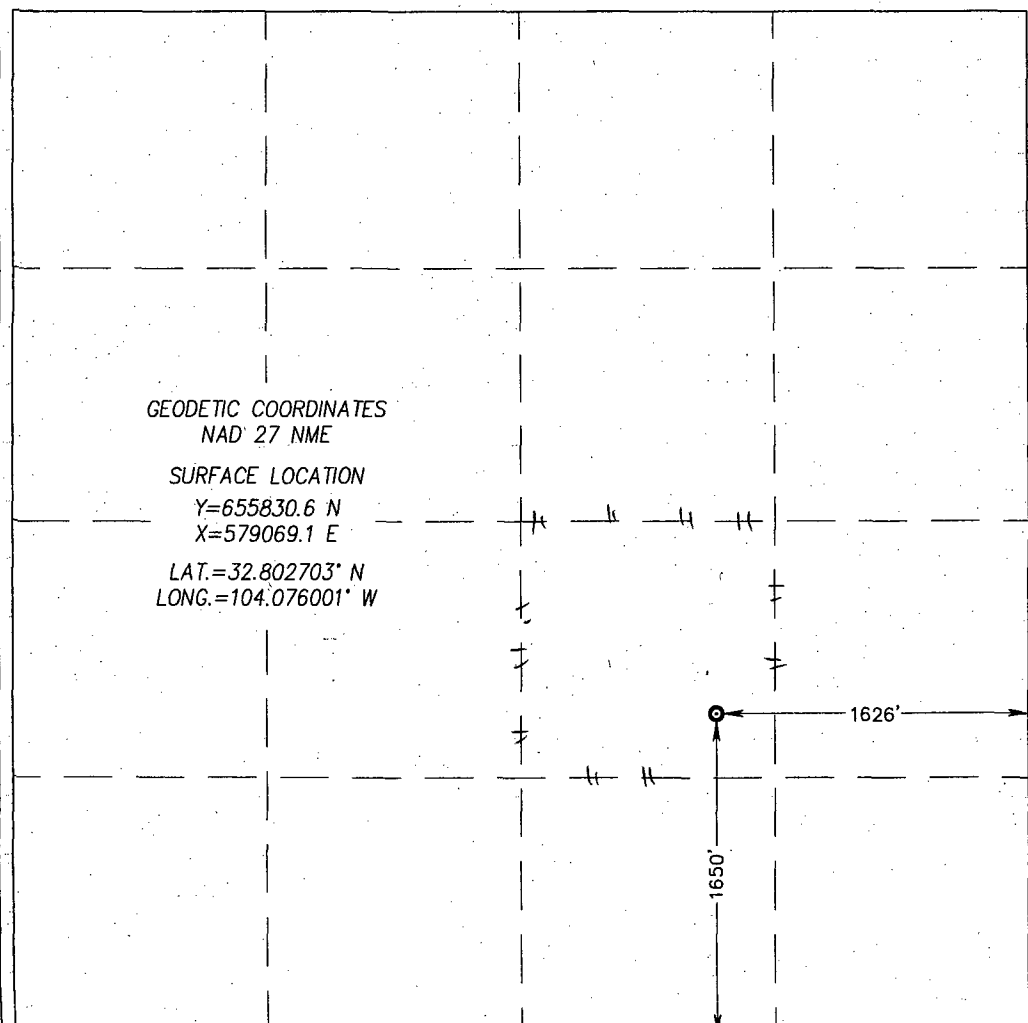
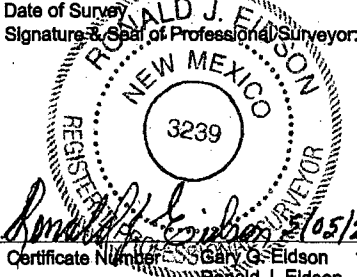
|                    |               |                  |               |         |                       |                           |                       |                        |                |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot No.<br>J | Section<br>28 | Township<br>17-S | Range<br>29-E | Lot Idn | Feet from the<br>1650 | North/South line<br>SOUTH | Feet from the<br>1626 | East/West line<br>EAST | County<br>EDDY |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|

Bottom Hole Location If Different From Surface

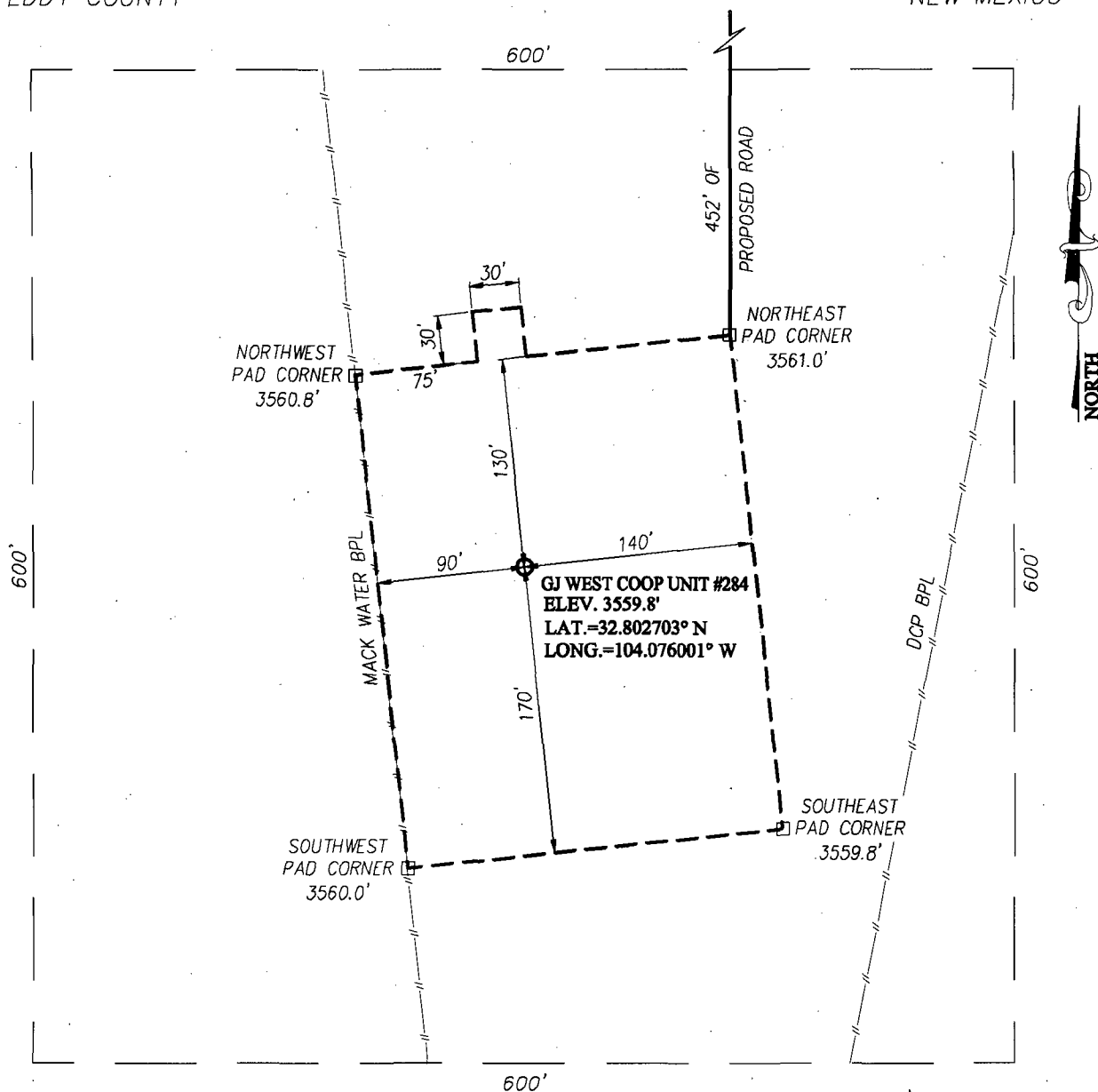
|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | 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

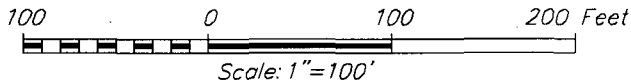
|                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>GEODETIC COORDINATES<br/>NAD 27 NME<br/>SURFACE LOCATION<br/>Y=655830.6 N<br/>X=579069.1 E<br/>LAT.=32.802703° N<br/>LONG.=104.076001° W</p>  | <p><b>OPERATOR CERTIFICATION</b><br/>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p> 5-11-11<br/>Signature Date<br/>Kelly J. Holly<br/>Printed Name<br/>kholly@conchoresources.c<br/>E-mail Address</p> <p><b>SURVEYOR CERTIFICATION</b><br/>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>APRIL 26, 2011<br/>Date of Survey<br/>Signature of Professional Surveyor:<br/><br/>Certificate Number 3239<br/>DSS JWSC W.O.: 11.11.0723</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SECTION 28, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.**  
 EDDY COUNTY NEW MEXICO



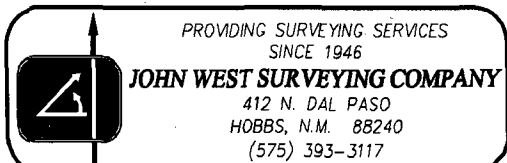
**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #212 (VALLEY GAS RD.), GO SOUTHEAST ON CO. RD. #212 APPROX. 0.9 MILES. TURN RIGHT AND GO WEST APPROX. 0.3 MILES TO A PROPOSED ROAD SURVEY. TURN LEFT AND FOLLOW SURVEY STAKES SOUTH APPROX. 452 FEET. THIS LOCATION STAKE IS APPROX. 188 FEET SOUTHWEST.



**COG OPERATING, LLC**

GJ WEST COOP UNIT #284 WELL  
 LOCATED 1650 FEET FROM THE SOUTH LINE  
 AND 1626 FEET FROM THE EAST LINE OF SECTION 28,  
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,  
 EDDY COUNTY, NEW MEXICO



|                         |                     |
|-------------------------|---------------------|
| Survey Date: 4/28/11    | Sheet 1 of 1 Sheets |
| W.O. Number: 11.11.0723 | Dr. By: DSS         |
| Date: 5/5/11            | Rel. W.O.: 11110723 |
|                         | Scale: 1"=100'      |

## Producing Wells in Sec 28, T17S, R29E, Eddy County NM

| API#         | Operator          | Lease              | Well# | County | Legal              | Total Depth | Well Type | Well Status           | First Prod. | Last Prod. | Avg. (BO/D) |
|--------------|-------------------|--------------------|-------|--------|--------------------|-------------|-----------|-----------------------|-------------|------------|-------------|
| 30-015-33203 | MACK ENERGY CORP  |                    | 1     | EDDY   | S:28, T:17S, R:29E | 11,204      | G         | Active                | May 2004    | May 2004   | 0.00        |
| 30-015-28515 | COG OPERATING LLC | G J WEST COOP UNIT | 134   | EDDY   | S:28, T:17S, R:29E | 4,609       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-28518 | COG OPERATING LLC | G J WEST COOP UNIT | 138   | EDDY   | S:28, T:17S, R:29E | 4,590       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-03173 | COG OPERATING LLC | G J WEST COOP UNIT | 004   | EDDY   | S:28, T:17S, R:29E | 0           | O         | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-03174 | COG OPERATING LLC | G J WEST COOP UNIT | 002   | EDDY   | S:28, T:17S, R:29E | 0           | O         | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-20192 | COG OPERATING LLC | G J WEST COOP UNIT | 108   | EDDY   | S:28, T:17S, R:29E | 6,380       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-25096 | COG OPERATING LLC | G J WEST COOP UNIT | 064   | EDDY   | S:28, T:17S, R:29E | 3,500       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-26493 | COG OPERATING LLC | G J WEST COOP UNIT | 083   | EDDY   | S:28, T:17S, R:29E | 4,480       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.25        |
| 30-015-10826 | MACK ENERGY CORP  | G J WEST COOP UNIT | 014   | EDDY   | S:28, T:17S, R:29E | 0           | O         | Pumping               | Jan 1970    | Jan 2001   | 0.48        |
| 30-015-03170 | COG OPERATING LLC | G J WEST COOP UNIT | 007   | EDDY   | S:28, T:17S, R:29E | 0           | O         | Temporarily Abandoned | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-20844 | COG OPERATING LLC | G J WEST COOP UNIT | 124   | EDDY   | S:28, T:17S, R:29E | 5,520       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-28516 | COG OPERATING LLC | G J WEST COOP UNIT | 136   | EDDY   | S:28, T:17S, R:29E | 4,594       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-29300 | COG OPERATING LLC | G J WEST COOP UNIT | 143   | EDDY   | S:28, T:17S, R:29E | 4,602       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-31125 | COG OPERATING LLC | G J WEST COOP UNIT | 145   | EDDY   | S:28, T:17S, R:29E | 3,135       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-03167 | COG OPERATING LLC | G J WEST COOP UNIT | 017   | EDDY   | S:28, T:17S, R:29E | 3,257       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-03169 | COG OPERATING LLC | G J WEST COOP UNIT | 016   | EDDY   | S:28, T:17S, R:29E | 0           | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-10756 | COG OPERATING LLC | G J WEST COOP UNIT | 018   | EDDY   | S:28, T:17S, R:29E | 3,700       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-25131 | COG OPERATING LLC | G J WEST COOP UNIT | 065   | EDDY   | S:28, T:17S, R:29E | 4,400       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-25492 | COG OPERATING LLC | G J WEST COOP UNIT | 74    | EDDY   | S:28, T:17S, R:29E | 4,444       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-26581 | COG OPERATING LLC | G J WEST COOP UNIT | 90    | EDDY   | S:28, T:17S, R:29E | 4,585       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-26614 | COG OPERATING LLC | G J WEST COOP UNIT | 91    | EDDY   | S:28, T:17S, R:29E | 4,660       | PO        | Pumping               | Jan 2005    | Feb 2011   | 0.50        |
| 30-015-28517 | COG OPERATING LLC | G J WEST COOP UNIT | 137   | EDDY   | S:28, T:17S, R:29E | 4,625       | O         | Pumping               | Jan 2005    | Feb 2011   | 0.75        |

|              |                   |                    |     |      |                    |        |    |         |          |          |      |
|--------------|-------------------|--------------------|-----|------|--------------------|--------|----|---------|----------|----------|------|
| 30-015-26640 | LLC               | UNIT               | 93  | EDDY | R:29E              | 4,500  | PO | Pumping | Jan 2005 | Feb 2011 | 0.75 |
| 30-015-26744 | COG OPERATING LLC | GJ WEST COOP UNIT  | 094 | EDDY | S:28, T:17S, R:29E | 3,650  | PO | Pumping | Jan 2005 | Feb 2011 | 0.75 |
| 30-015-27256 | COG OPERATING LLC | GJ WEST COOP UNIT  | 103 | EDDY | S:28, T:17S, R:29E | 5,050  | PO | Pumping | Jan 2005 | Feb 2011 | 0.75 |
| 30-015-27258 | COG OPERATING LLC | GJ WEST COOP UNIT  | 105 | EDDY | S:28, T:17S, R:29E | 5,050  | PO | Pumping | Jan 2005 | Feb 2011 | 0.75 |
| 30-015-03167 | COG OPERATING LLC | GJ WEST COOP UNIT  | 017 | EDDY | S:28, T:17S, R:29E | 3,257  | O  | Pumping | Jan 1960 | Apr 2007 | 0.87 |
| 30-015-03172 | MACK ENERGY CORP  | GJ WEST COOP UNIT  | 010 | EDDY | S:28, T:17S, R:29E | 6,273  | O  | Pumping | Jan 1970 | Jun 2000 | 0.87 |
| 30-015-03173 | COG OPERATING LLC | GJ WEST COOP UNIT  | 004 | EDDY | S:28, T:17S, R:29E | 0      | O  | Pumping | Jan 1966 | Apr 2007 | 0.87 |
| 30-015-03174 | COG OPERATING LLC | GJ WEST COOP UNIT  | 002 | EDDY | S:28, T:17S, R:29E | 0      | O  | Pumping | Jan 1970 | Apr 2007 | 0.87 |
| 30-015-10756 | COG OPERATING LLC | GJ WEST COOP UNIT  | 018 | EDDY | S:28, T:17S, R:29E | 3,700  | O  | Pumping | Jan 1966 | Apr 2007 | 0.87 |
| 30-015-00000 | TENNECO OIL CO.   | STATE L            | 015 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1965 | Dec 1965 | 0.90 |
| 30-015-00000 | TENNECO OIL CO.   | STATE L            | 016 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1965 | Dec 1965 | 0.90 |
| 30-015-00000 | TENNECO OIL CO.   | STATE L            | 006 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1965 | Dec 1965 | 0.94 |
| 30-015-03171 | COG OPERATING LLC | GJ WEST COOP UNIT  | 008 | EDDY | S:28, T:17S, R:29E | 0      | O  | Pumping | Jan 2005 | Feb 2011 | 1.00 |
| 30-015-27260 | COG OPERATING LLC | GJ WEST COOP UNIT  | 109 | EDDY | S:28, T:17S, R:29E | 5,050  | PO | Pumping | Jan 2005 | Feb 2011 | 1.00 |
| 30-015-00000 | LEONARD OIL CO.   | STATE B            | 006 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Apr 1947 | Dec 1964 | 1.16 |
| 30-015-00000 | LEONARD OIL CO.   | STATE B            | 015 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Mar 1947 | Dec 1964 | 1.16 |
| 30-015-00000 | LEONARD OIL CO.   | STATE B            | 016 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Nov 1949 | Dec 1964 | 1.16 |
| 30-015-00000 | LEONARD OIL CO.   | STATE              | 011 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1948 | Dec 1965 | 1.19 |
| 30-015-00000 | LEONARD OIL CO.   | STATE              | 013 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1948 | Dec 1965 | 1.19 |
| 30-015-00000 | LEONARD OIL CO.   | STATE              | 012 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1948 | Dec 1965 | 1.23 |
| 30-015-00000 | TENNECO OIL CO.   | STATE K            | 001 | EDDY | S:28, T:17S, R:29E |        | O  | Active  | Jan 1965 | Dec 1965 | 1.23 |
| 30-015-00000 | TENNECO OIL CO.   | STATE K            | 014 | EDDY | S:28, T:17S, R:29E |        | G  | Active  | Jan 1965 | Dec 1965 | 1.23 |
| 30-015-03176 | MACK ENERGY CORP  | GJ WEST COOP UNIT  | 001 | EDDY | S:28, T:17S, R:29E | 0      | O  | Flowing | Jan 1967 | Dec 1971 | 1.35 |
| 30-015-33203 | COG OPERATING LLC | DIAMONDBACKS STATE | 1   | EDDY | S:28, T:17S, R:29E | 11,204 | G  | Active  | Mar 2005 | Feb 2011 | 1.39 |
| 30-015-02856 | MACK ENERGY CORP  | GJ WEST COOP UNIT  | 012 | EDDY | S:28, T:17S, R:29E | 0      | O  | Pumping | Dec 1974 | Dec 1977 | 1.45 |

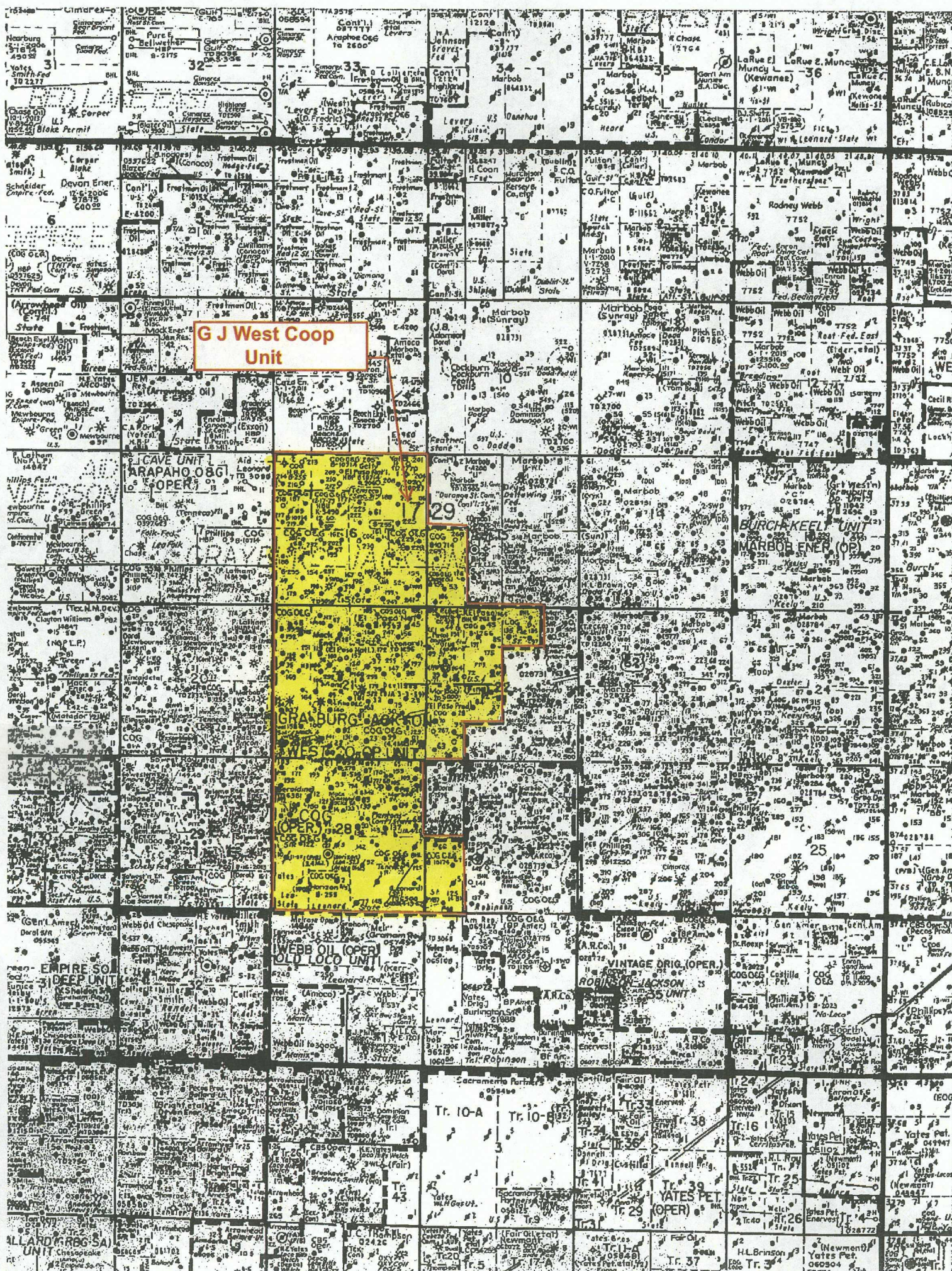
|              |                      |                       |     |      |                       |       |    |         |          |          |      |
|--------------|----------------------|-----------------------|-----|------|-----------------------|-------|----|---------|----------|----------|------|
| 30-015-03169 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 016 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping | Jan 1967 | Dec 1977 | 1.45 |
| 30-015-03171 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 008 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping | Jan 1967 | Dec 1977 | 1.45 |
| 30-015-03173 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 004 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping | Jan 1967 | Dec 1977 | 1.45 |
| 30-015-10756 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 018 | EDDY | S:28, T:17S,<br>R:29E | 3,700 | O  | Pumping | Jan 1967 | Dec 1977 | 1.45 |
| 30-015-25382 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 068 | EDDY | S:28, T:17S,<br>R:29E | 4,385 | PO | Pumping | Jan 2005 | Feb 2011 | 1.50 |
| 30-015-03174 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 002 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping | Jan 1967 | Dec 1977 | 1.61 |
| 30-015-26640 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 93  | EDDY | S:28, T:17S,<br>R:29E | 4,500 | PO | Pumping | Apr 1991 | Apr 2007 | 1.63 |
| 30-015-26744 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 094 | EDDY | S:28, T:17S,<br>R:29E | 3,650 | PO | Pumping | Aug 1991 | Apr 2007 | 1.63 |
| 30-015-28494 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 139 | EDDY | S:28, T:17S,<br>R:29E | 5,532 | O  | Pumping | Jun 1995 | Apr 2007 | 1.67 |
| 30-015-28517 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 137 | EDDY | S:28, T:17S,<br>R:29E | 4,625 | O  | Pumping | Aug 1995 | Apr 2007 | 1.67 |
| 30-015-31125 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 145 | EDDY | S:28, T:17S,<br>R:29E | 3,135 | O  | Pumping | Jun 2000 | Apr 2007 | 1.70 |
| 30-015-00000 | LEONARD OIL<br>CO.   | STATE B               | 011 | EDDY | S:28, T:17S,<br>R:29E |       | O  | Active  | Jan 1947 | Dec 1964 | 1.71 |
| 30-015-00000 | LEONARD OIL<br>CO.   | STATE B               | 012 | EDDY | S:28, T:17S,<br>R:29E |       | O  | Active  | Jan 1947 | Dec 1964 | 1.71 |
| 30-015-00000 | LEONARD OIL<br>CO.   | STATE B               | 013 | EDDY | S:28, T:17S,<br>R:29E |       | O  | Active  | Jan 1947 | Dec 1964 | 1.71 |
| 30-015-00000 | LEONARD OIL CO       | STATE B255            | 001 | EDDY | S:28, T:17S,<br>R:29E |       | O  | Active  | Jan 1954 | Dec 1964 | 1.71 |
| 30-015-00000 | LEONARD OIL<br>CO.   | STATE B               | 014 | EDDY | S:28, T:17S,<br>R:29E |       | G  | Active  | Jan 1947 | Dec 1964 | 1.74 |
| 30-015-28210 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 121 | EDDY | S:28, T:17S,<br>R:29E | 5,570 | O  | Pumping | Jan 2005 | Feb 2011 | 2.21 |
| 30-015-29299 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 142 | EDDY | S:28, T:17S,<br>R:29E | 4,628 | O  | Pumping | Jan 2005 | Feb 2011 | 2.21 |
| 30-015-29299 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 142 | EDDY | S:28, T:17S,<br>R:29E | 4,628 | O  | Pumping | May 1997 | Apr 2007 | 2.50 |
| 30-015-28515 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 134 | EDDY | S:28, T:17S,<br>R:29E | 4,609 | PO | Pumping | Aug 1995 | Apr 2007 | 2.53 |
| 30-015-28516 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 136 | EDDY | S:28, T:17S,<br>R:29E | 4,594 | O  | Pumping | Jul 1995 | Apr 2007 | 2.53 |
| 30-015-03171 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 008 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping | Jan 1970 | Apr 2007 | 2.57 |
| 30-015-25492 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 74  | EDDY | S:28, T:17S,<br>R:29E | 4,444 | PO | Pumping | Jan 1993 | Apr 2007 | 2.57 |
| 30-015-26493 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 083 | EDDY | S:28, T:17S,<br>R:29E | 4,480 | PO | Pumping | Jan 1993 | Apr 2007 | 2.57 |
| 30-015-29300 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 143 | EDDY | S:28, T:17S,<br>R:29E | 4,602 | O  | Pumping | Mar 1997 | Apr 2007 | 2.57 |

|              |                      |                       |     |      |                       |       |    |                       |          |          |      |
|--------------|----------------------|-----------------------|-----|------|-----------------------|-------|----|-----------------------|----------|----------|------|
| 30-015-02856 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 012 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping               | Jan 1969 | Oct 1996 | 2.68 |
| 30-015-35777 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 170 | EDDY | S:28, T:17S,<br>R:29E | 5,616 | O  | Active Permit         | Oct 2007 | Feb 2011 | 2.71 |
| 30-015-36238 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 192 | EDDY | S:28, T:17S,<br>R:29E |       | PO | Active Permit         | Sep 2008 | Feb 2011 | 2.71 |
| 30-015-03176 | LEONARD OIL<br>CO.   | STATE                 | 001 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Flowing               | Jan 1949 | Dec 1953 | 2.74 |
| 30-015-03167 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 017 | EDDY | S:28, T:17S,<br>R:29E | 3,257 | O  | Pumping               | Jan 1967 | Dec 1977 | 2.90 |
| 30-015-10826 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 014 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Pumping               | Jan 1967 | Dec 1977 | 2.90 |
| 30-015-25458 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 077 | EDDY | S:28, T:17S,<br>R:29E | 4,552 | PO | Pumping               | Jan 1993 | Feb 2004 | 3.03 |
| 30-015-03172 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 010 | EDDY | S:28, T:17S,<br>R:29E | 6,273 | O  | Pumping               | Jan 1967 | Aug 1971 | 3.23 |
| 30-015-20844 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 124 | EDDY | S:28, T:17S,<br>R:29E | 5,520 | O  | Pumping               | Jul 1994 | Apr 2007 | 3.37 |
| 30-015-25096 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 064 | EDDY | S:28, T:17S,<br>R:29E | 3,500 | PO | Pumping               | Jan 1993 | Apr 2007 | 3.37 |
| 30-015-27258 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 105 | EDDY | S:28, T:17S,<br>R:29E | 5,050 | PO | Pumping               | Jun 1993 | Apr 2007 | 3.40 |
| 30-015-28514 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 133 | EDDY | S:28, T:17S,<br>R:29E | 5,536 | O  | Pumping               | Jun 1995 | Apr 2007 | 3.40 |
| 30-015-35485 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 153 | EDDY | S:28, T:17S,<br>R:29E | 6,040 | O  | Active                | Jun 2007 | Feb 2011 | 3.46 |
| 30-015-28265 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 122 | EDDY | S:28, T:17S,<br>R:29E | 5,521 | O  | Pumping               | Jan 2005 | Feb 2011 | 3.46 |
| 30-015-03178 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 003 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Flowing               | Jan 1969 | Dec 1969 | 3.71 |
| 30-015-28514 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 133 | EDDY | S:28, T:17S,<br>R:29E | 5,536 | O  | Pumping               | Jan 2005 | Feb 2011 | 4.21 |
| 30-015-25382 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 068 | EDDY | S:28, T:17S,<br>R:29E | 4,385 | PO | Pumping               | Jan 1993 | Apr 2007 | 4.23 |
| 30-015-28210 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 121 | EDDY | S:28, T:17S,<br>R:29E | 5,570 | O  | Pumping               | Feb 1995 | Apr 2007 | 4.23 |
| 30-015-28518 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 138 | EDDY | S:28, T:17S,<br>R:29E | 4,590 | O  | Pumping               | Jun 1995 | Apr 2007 | 4.23 |
| 30-015-00000 | LEONARD OIL<br>CO.   | LEONARD ST.           | 001 | EDDY | S:28, T:17S,<br>R:29E |       | O  | Active                | Jan 1947 | Dec 1950 | 4.68 |
| 30-015-26624 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 092 | EDDY | S:28, T:17S,<br>R:29E | 4,800 | O  | Active                | Mar 1991 | Mar 2002 | 4.87 |
| 30-015-26581 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 90  | EDDY | S:28, T:17S,<br>R:29E | 4,585 | PO | Pumping               | Jan 1993 | Apr 2007 | 5.10 |
| 30-015-28494 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 139 | EDDY | S:28, T:17S,<br>R:29E | 5,532 | O  | Pumping               | Jan 2005 | Feb 2011 | 5.46 |
| 30-015-27260 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 109 | EDDY | S:28, T:17S,<br>R:29E | 5,050 | PO | Pumping               | Jun 1993 | Apr 2007 | 5.83 |
| 30-015-03170 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 007 | EDDY | S:28, T:17S,<br>R:29E | 0     | O  | Temporarily Abandoned | Dec 1996 | Apr 2007 | 5.87 |

|              |                      |                       |     |      |                       |        |    |               |          |          |       |
|--------------|----------------------|-----------------------|-----|------|-----------------------|--------|----|---------------|----------|----------|-------|
| 30-015-03169 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 016 | EDDY | S:28, T:17S,<br>R:29E | 0      | O  | Pumping       | Jan 1966 | Apr 2007 | 6.70  |
| 30-015-35483 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 150 | EDDY | S:28, T:17S,<br>R:29E | 5,510  | O  | Active        | May 2007 | Feb 2011 | 6.93  |
| 30-015-37295 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 277 | EDDY | S:28, T:17S,<br>R:29E | 5,520  | O  | Active Permit | Mar 2010 | Feb 2011 | 7.43  |
| 30-015-26614 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 91  | EDDY | S:28, T:17S,<br>R:29E | 4,660  | PO | Pumping       | Jan 1993 | Apr 2007 | 7.47  |
| 30-015-20742 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 087 | EDDY | S:28, T:17S,<br>R:29E | 10,804 | PO | Pumping       | Jan 1989 | Feb 2004 | 7.48  |
| 30-015-25131 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 065 | EDDY | S:28, T:17S,<br>R:29E | 4,400  | PO | Pumping       | Jan 1993 | Apr 2007 | 7.50  |
| 30-015-25492 |                      | G J WEST COOP UT      | 74  | EDDY | S:28, T:17S,<br>R:29E | 4,444  | PO | Pumping       | Jan 1986 | Dec 1993 | 7.68  |
| 30-015-35722 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 171 | EDDY | S:28, T:17S,<br>R:29E | 5,608  | O  | Active Permit | Feb 2008 | Feb 2011 | 8.18  |
| 30-015-36705 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 278 | EDDY | S:28, T:17S,<br>R:29E | 5,500  | O  | Active Permit | May 2009 | Feb 2011 | 8.18  |
| 30-015-03167 | TENNECO OIL<br>CO.   | STATE L               | 017 | EDDY | S:28, T:17S,<br>R:29E | 3,257  | O  | Pumping       | Jan 1965 | Dec 1965 | 9.13  |
| 30-015-00000 | TENNECO OIL<br>CO.   | STATE L               | 018 | EDDY | S:28, T:17S,<br>R:29E |        | AP | Unknown       | May 1965 | Dec 1965 | 9.13  |
| 30-015-27256 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 103 | EDDY | S:28, T:17S,<br>R:29E | 5,050  | PO | Pumping       | Jun 1993 | Apr 2007 | 10.03 |
| 30-015-10825 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 019 | EDDY | S:28, T:17S,<br>R:29E | 0      | G  | Flowing       | Jan 1967 | Feb 1967 | 10.46 |
| 30-015-25096 |                      | G J WEST COOP UT      | 064 | EDDY | S:28, T:17S,<br>R:29E | 3,500  | PO | Pumping       | Dec 1984 | Dec 1993 | 10.68 |
| 30-015-36285 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 194 | EDDY | S:28, T:17S,<br>R:29E | 5,467  | O  | Active Permit | Oct 2008 | Feb 2011 | 11.18 |
| 30-015-25382 |                      | G J WEST COOP UT      | 068 | EDDY | S:28, T:17S,<br>R:29E | 4,385  | PO | Pumping       | Oct 1985 | Dec 1993 | 11.19 |
| 30-015-25458 |                      | G J WEST COOP UT      | 077 | EDDY | S:28, T:17S,<br>R:29E | 4,552  | PO | Pumping       | Jan 1986 | Dec 1993 | 11.19 |
| 30-015-10827 | MACK ENERGY<br>CORP  | G J WEST COOP<br>UNIT | 011 | EDDY | S:28, T:17S,<br>R:29E | 2,760  | G  | Flowing       | Jan 1967 | Feb 1967 | 11.75 |
| 30-015-20192 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 108 | EDDY | S:28, T:17S,<br>R:29E | 6,380  | O  | Pumping       | Jun 1993 | Apr 2007 | 11.80 |
| 30-015-36241 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 193 | EDDY | S:28, T:17S,<br>R:29E | 5,520  | O  | Active Permit | Apr 2010 | Feb 2011 | 12.39 |
| 30-015-28265 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 122 | EDDY | S:28, T:17S,<br>R:29E | 5,521  | O  | Pumping       | Feb 1995 | Apr 2007 | 12.57 |
| 30-015-03167 | LEONARD OIL CO       | STATE B514            | 017 | EDDY | S:28, T:17S,<br>R:29E | 3,257  | O  | Pumping       | Dec 1959 | Dec 1962 | 14.00 |
| 30-015-27258 |                      | G J WEST COOP UT      | 105 | EDDY | S:28, T:17S,<br>R:29E | 5,050  | PO | Pumping       | Jun 1993 | Dec 1993 | 15.32 |
| 30-015-27256 |                      | G J WEST COOP UT      | 103 | EDDY | S:28, T:17S,<br>R:29E | 5,050  | PO | Pumping       | Jun 1993 | Dec 1993 | 15.32 |
| 30-015-25131 |                      | G J WEST COOP UT      | 065 | EDDY | S:28, T:17S,<br>R:29E | 4,400  | PO | Pumping       | Jan 1985 | Dec 1993 | 18.48 |

|              |                      |                       |     |      |                       |        |    |         |          |          |       |
|--------------|----------------------|-----------------------|-----|------|-----------------------|--------|----|---------|----------|----------|-------|
| 30-015-26614 |                      | G J WEST COOP UT      | 91  | EDDY | S:28, T:17S,<br>R:29E | 4,660  | PO | Pumping | Mar 1991 | Dec 1993 | 23.13 |
| 30-015-26581 |                      | G J WEST COOP UT      | 90  | EDDY | S:28, T:17S,<br>R:29E | 4,585  | PO | Pumping | Jan 1991 | Dec 1993 | 23.71 |
| 30-015-26493 |                      | G J WEST COOP UT      | 083 | EDDY | S:28, T:17S,<br>R:29E | 4,480  | PO | Pumping | Jan 1991 | Dec 1993 | 27.29 |
| 30-015-27260 |                      | G J WEST COOP UT      | 109 | EDDY | S:28, T:17S,<br>R:29E | 5,050  | PO | Pumping | Jun 1993 | Dec 1993 | 46.81 |
| 30-015-03176 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 001 | EDDY | S:28, T:17S,<br>R:29E | 0      | O  | Flowing | Jan 1951 | Dec 1951 |       |
| 30-015-03178 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 003 | EDDY | S:28, T:17S,<br>R:29E | 0      | O  | Flowing | Dec 1986 | Dec 1986 |       |
| 30-015-33203 | MACK ENERGY<br>CORP  | DIAMONDBACKS<br>STATE | 1   | EDDY | S:28, T:17S,<br>R:29E | 11,204 | G  | Active  | May 2004 | Feb 2005 |       |
| 30-015-33203 | MACK ENERGY<br>CORP  | DIAMONDBACKS<br>STATE | 1   | EDDY | S:28, T:17S,<br>R:29E | 11,204 | G  | Active  | Feb 2005 | Feb 2005 |       |
| 30-015-03175 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 009 | EDDY | S:28, T:17S,<br>R:29E | 0      | I  | Shut-in | Jan 2005 | Feb 2011 |       |
| 30-015-03176 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 001 | EDDY | S:28, T:17S,<br>R:29E | 0      | O  | Flowing | Jan 2005 | Feb 2011 |       |
| 30-015-03178 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 003 | EDDY | S:28, T:17S,<br>R:29E | 0      | O  | Flowing | Jan 2005 | Feb 2011 |       |
| 30-015-10444 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 015 | EDDY | S:28, T:17S,<br>R:29E | 3,370  | I  | Flowing | Jan 2005 | Feb 2011 |       |
| 30-015-10825 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 019 | EDDY | S:28, T:17S,<br>R:29E | 0      | G  | Flowing | Jan 2005 | Feb 2011 |       |
| 30-015-10827 | COG OPERATING<br>LLC | G J WEST COOP<br>UNIT | 011 | EDDY | S:28, T:17S,<br>R:29E | 2,760  | G  | Flowing | Jan 2005 | Feb 2011 |       |





**Brooks, David K., EMNRD**

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**From:** Brooks, David K., EMNRD  
**Sent:** Friday, May 13, 2011 4:53 PM  
**To:** 'Kelly Holly'  
**Subject:** GJ West Coop Unit #284; NSL Application

Dear Ms. Holly

In addition to the noted encroachment toward the NE/4 SE/4 of Section 28, it appears that this location encroaches diagonally toward the SE/4 SE/4. Per our records, COG is operator of that unit. Are working interests identical as to that offsetting unit as well as the NE/4 SE/4?

Thanks

David K. Brooks

## Brooks, David K., EMNRD

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**From:** Kelly Holly [kholly@conchoresources.com]  
**Sent:** Monday, May 16, 2011 7:26 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: GJ West Coop Unit #284; NSL Application

Yes, they are identical.

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**From:** Brooks, David K., EMNRD [mailto:[david.brooks@state.nm.us](mailto:david.brooks@state.nm.us)]  
**Sent:** Friday, May 13, 2011 5:53 PM  
**To:** Kelly Holly  
**Subject:** GJ West Coop Unit #284; NSL Application

Dear Ms. Holly

In addition to the noted encroachment toward the NE/4 SE/4 of Section 28, it appears that this location encroaches diagonally toward the SE/4 SE/4. Per our records, COG is operator of that unit. Are working interests identical as to that offsetting unit as well as the NE/4 SE/4?

Thanks

David K. Brooks