

ABOVE THIS LINE FOR DIVISION USE ONLY

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



**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

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

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

Check One Only for [B] or [C]

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

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

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

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

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [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.

Print or Type Name \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 e-mail Address \_\_\_\_\_

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

APPLICATION FOR DOWNHOLE COMMINGLING

2005 NOV 21 11:11 AM

DHC-3597

Operator **COG OPERATING LLC** Address **550 W. Texas, Suite 550 Midland, TX 79701**

Lease **PROHIBITION 12 FEDERAL** Well No. **7** Unit Letter-Section-Township-Range **Unit F, Sec 12, T22S, R23E** County **Lea**

OGRID No. **229137** Property Code \_\_\_\_\_ API No. **30-025-37228** Lease Type:  Federal  State  Fee

| DATA ELEMENT  | UPPER ZONE<br><del>UNDES.</del>                  | INTERMEDIATE ZONE | LOWER ZONE<br>UNDES.                          |
|---|--|-------------------|---|
| Pool Name   | Bootleg Ridge; Delaware, NW                      |                   | Red Tank; Bone Spring                         |
| Pool Code   | 6925   |                   | 51683   |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)   | 8520 - 8533                                      |                   | 8821 - 8852                                   |
| Method of Production<br>(Flowing or Artificial Lift)  | Pumping  |                   | Pumping                                       |
| Bottomhole Pressure<br>(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)    |  |                   |   |
| Oil Gravity or Gas BTU<br>(Degree API or Gas BTU)   | 43.2   |                   | 42.8  |
| Producing, Shut-In or New Zone  | Producing  |                   | SI  |
| Date and Oil/Gas/Water Rates of Last Production.<br>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.) | Date: 11-13-05<br>Rates: 100 BO 90 MCF<br>210 BW | Date:<br>Rates:   | Date: 10-23-05<br>Rates: 70 BO 50 MCF<br>5 BW |
| Fixed Allocation Percentage<br>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)                  | Oil 59 % Gas 64 %                                | Oil % Gas %       | Oil 41 % Gas 36 %                             |

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No \_\_\_\_\_  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes \_\_\_\_\_ No \_\_\_\_\_

Are all produced fluids from all commingled zones compatible with each other? Yes  No \_\_\_\_\_

Will commingling decrease the value of production? Yes \_\_\_\_\_ No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No \_\_\_\_\_

NMOC Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Phyllis A. Edwards TITLE Regulatory Analyst DATE 11/15/05

TYPE OR PRINT NAME Phyllis A. Edwards TELEPHONE NO. ( 432 ) 685-4340

E-MAIL ADDRESS pedwards@conchoresources.com

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

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

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

|                            |   |  |
|----------------------------|---|--|
| API Number<br>30-025-37228 | Pool Code<br>6925                       | Pool Name<br>BOOTLEG RIDGE; DELAWARE, NW |
| Property Code              | Property Name<br>PROHIBITION 12 FEDERAL | Well Number<br>37                        |
| OGRID No.<br>229137        | Operator Name<br>COG OPERATING LLC      | Elevation<br>3641'                       |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 12      | 22-S     | 32-E  |         | 1880          | NORTH            | 1650          | WEST           | 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<br>40 | Joint or Infill | Consolidation Code | Order No.<br>44-15-16-17-18-19-20-21 |
|-----------------------|-----------------|--------------------|--------------------------------------|

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

GEODETIC COORDINATES  
NAD 27 NME  
Y=512965.4 N  
X=716717.9 E  
LAT.=32°24'29.88" N  
LONG.=103°37'51.99" W

**OPERATOR CERTIFICATION**

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

*Phyllis A. Edwards*  
Signature

PHYLLIS A. EDWARDS  
Printed Name

REGULATORY ANALYST  
Title

11-15-05  
Date

---

**SURVEYOR CERTIFICATION**

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

DECEMBER 29, 2004

Date Surveyed \_\_\_\_\_ LA

Signature & Seal of Professional Surveyor  
*Gary E. Edson*  
04.11.1740

Certificate No. GARY EDSON 12641

State of New Mexico

Energy, Minerals and Natural Resources Department

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WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

|                            |   |                                    |
|----------------------------|---|------------------------------------|
| API Number<br>30-025-37228 | Pool Code<br>51683                      | Pool Name<br>RED TANK; BONE SPRING |
| Property Code              | Property Name<br>PROHIBITION 12 FEDERAL | Well Number<br>87                  |
| OGRID No.<br>229137        | Operator Name<br>COG OPERATING LLC      | Elevation<br>3641'                 |

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|               |         |          |       |         |               |                  |               |                |        |

|                       |                 |                    |           |
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PHYLLIS A. EDWARDS  
Printed Name

REGULATORY ANALYST  
Title

11-15-05  
Date

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DECEMBER 29, 2004  
Date Surveyed

LA

Signature & Seal of  
Professional Surveyor

*Gary A. Edson*  
04.11.1740

Certificate No. GARY EIDSON 12641