

DATE IN 4/11/06	SUSPENSE 4/2/06	ENGINEER WILL JONES	LOGGED IN 4/12/06	TYPE PC	APP NO. PTD50610230610
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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 I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Ave, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised June 10, 2003

OIL CONSERVATION DIVISION

1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

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

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: COG OPERATING LLC  
OPERATOR ADDRESS: 550 W. TEXAS, SUITE 1300 MIDLAND, TX 79701  
APPLICATION TYPE:

☒ Pool Commingling ☐ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingling)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No.

Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

(A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production	Calculated Value of Commingled Production	Volumes
Langlie Mattix; 7 Rivers-Queen- Grayburg	32.6	32.6		28 BOPD
Justis Blinbry-Tubb-Drinkard	32.6	32.6		73 MCFD

(2) Are any wells producing at top allowables? ☐ Yes ☒ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No. 100% COG

(4) Measurement type: ☐ Metering ☒ Other (Specify) WELL TESTS

(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING

Please attach sheets with the following information

(1) Pool Name and Code.

(2) Is all production from same source of supply? ☐ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No

(4) Measurement type: ☐ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING

Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT

Please attached sheets with the following information

(1) Is all production from same source of supply? ☒ Yes ☐ No

(2) Include proof of notice to all interest owners. 100% COG

(E) ADDITIONAL INFORMATION (for all application types)

Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.

(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.

(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Phyllis A. Edwards TITLE: Regulatory Analyst

DATE: 4/4/06

TYPE OR PRINT NAME Phyllis A. Edwards - Regulatory Analyst

TELEPHONE NO.: 432-685-4340

E-MAIL ADDRESS: pedwards@conchoresources.com

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

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 30-025-37352	Pool Code 34220	Pool Name JUSTIS, BLINEBRY-TUBB-DRINKARD
Property Code 301053	Property Name MD SELF	Well Number 7
OGRID No. 229137	Operator Name <del>MARALO, LLC</del> COG OPERATING LLC	Elevation 3032'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	26-S	38-E		330	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	Joint or Infill	Consolidation Code	Order No.
40			

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>3033.2' 3034.0' 3031.5' 3035.9' 1650' 600' 330' 467' 1750' 330'</p> <p>GEODETIC COORDINATES NAD 27 NME Y=394446.0 N X=881281.5 E LAT.=32°04'42.48" N LONG.=103°06'08.51" W</p> <p>M D SELF #5 API: 30-025-12449 JUSTIS BLINEBRY- TUBB-DRINKARD FEDERAL LEASE # NM 0889</p> <p>M D SELF #3 API: 30-025-12447 LANGLIE MATTIX; 7 RIVERS- QUEEN-GRAYBURG FEDERAL LEASE # NM 0889</p> <p>M D SELF #6 API: 30-025-12450 JUSTIS BLINEBRY-TUBB- DRINKARD FEDERAL LEASE # NM 0889</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Phyllis A. Edwards</i> Signature PHYLLIS A. EDWARDS Printed Name REGULATORY ANALYST Title 4-4-06 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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>DECEMBER 15, 2004</p> <p>Date Surveyed DEL Signature &amp; Seal of Professional Surveyor <i>Gary H. Edmon</i> 12/23/04 04.11.1704 Certificate No. GARY EDMON 12641</p>
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**APPLICATION FOR SURFACE COMMINGLING,  
OFF LEASE STORAGE AND MEASUREMENT APPROVAL**

COG Operating LLC is requesting approval for surface commingling and off-lease storage and measurement of oil and gas production from the following formation (s) and well (s) on

Federal Lease No: **NM 0889**

Lease Name: **M. D. Self**

<u>API #</u>	<u>Well #</u>	<u>Location</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Formation</u>
30-025-37352	7	330' FNL & 1650' FWL	6	26S	38E	Justis Blinbry-Tubb-Drinkard

With oil and gas production from the following formation (s) and well (s) on

Federal Lease No: **NM 0889**

Lease Name: **M. D. Self**

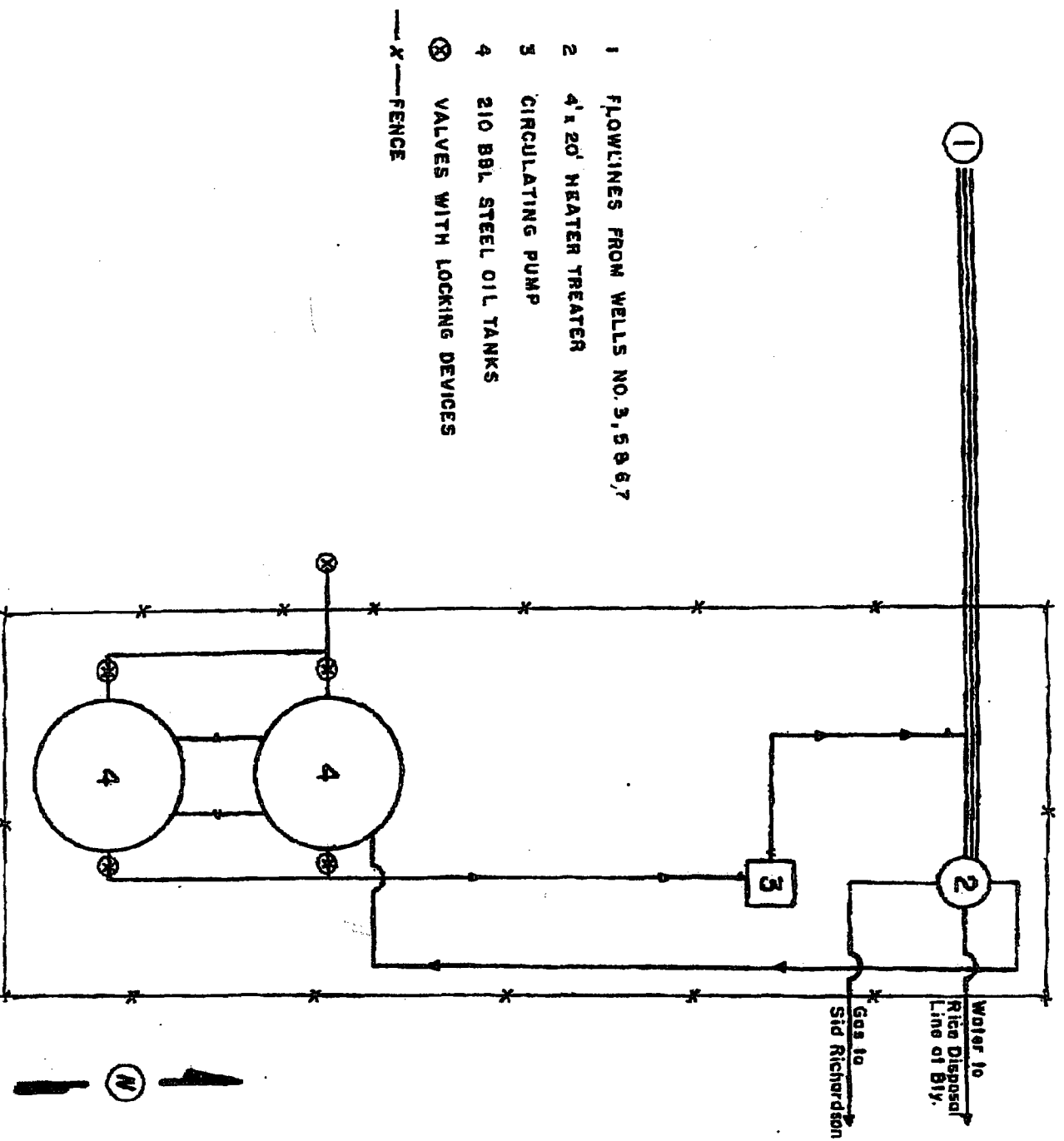
<u>API #</u>	<u>Well No</u>	<u>Location</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Formation</u>
30-025-12447	3	467' FNL & 467' FWL	6	26S	38E	Langlie Mattix; 7 Rivers-Queen-Grayburg
30-025-12449	5	330' FNL & 330' FWL	6	26S	38E	Justis Blinbry-Tubb-Drinkard / w c GLORIETA
30-025-12450	6	1750' FNL & 330' FWL	6	26S	38E	Justis Blinbry-Tubb-Drinkard

DH 3610

Production from the wells involved is as follows:

<u>Well Name and No</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>
M. D. Self #3	2	36.2	6
M. D. Self #5	7	36.2	4
M. D. Self #6	1	36.2	3

not done yet



# COG OPERATING LLC

Fasken Center, Tower II  
550 W. Texas Ave., Ste. 1300  
Midland, Texas 79701

MD SELF
API# 3002512447
SEC. 6, T. 26S, R. 38E
467' FNL 467' FWL
LEA CO. NEW MEXICO
KG-12-05

## Well Selection Criteria Quick Print

(Field\_No = 301053)

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-025-37464-00-00	M D SELF	010 COG OPERATING LLC	O	A	Lea	F	C	6	26 S	38 E	330 N	1770 W		
30-025-37352-00-00	M D SELF	007 COG OPERATING LLC	O	A	Lea	F	C	6	26 S	38 E	330 N	1650 W		
30-025-12449-00-00	M D SELF	005 COG OPERATING LLC	O	A	Lea	F	D	6	26 S	38 E	330 N	330 W		7/27/2005
30-025-12447-00-00	M D SELF	003 COG OPERATING LLC	O	A	Lea	F	D	6	26 S	38 E	467 N	467 W		7/27/2005
30-025-12450-00-00	M D SELF	006 COG OPERATING LLC	O	A	Lea	F	E	6	26 S	38 E	1750 N	330 W		7/27/2005
30-025-37467-00-00	M D SELF	009 COG OPERATING LLC	O		Lea	F	F	6	26 S	38 E	1350 N	1077 W		
30-025-37411-00-00	M D SELF	008 COG OPERATING LLC	O		Lea	F	F	6	26 S	38 E	1350 N	1650 W		
30-025-37353-00-00	M D SELF	011 COG OPERATING LLC	O		Lea	F	L	6	26 S	38 E	1980 S	360 W		

# New Mexico Oil Conservation Division, District I

1625 N. French Drive

Hobbs, NM 88240

Form 3160-5  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM0889
2. Name of Operator COG Operating LLC		6. If Indian, Allottee or Tribe Name
3a. Address 550 W. Texas Ave., Suite 1300 Midland, TX 79701	3b. Phone No. (include area code) 432-685-4372	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  330' FNL; 330' FWL Unit D, Sec 6, T26S, R38E		8. Well Name and No. M. D. Self #5
		9. API Well No. 30-025-12449
		10. Field and Pool, or Exploratory Area
		11. County or Parish, State  Lea County, NM

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

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

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

COG Operating LLC proposes to:

- 1) perf Glorieta +/- 4900' - +/- 4995'
- 2) set RBP @ +/- 5050'
- 3) test Glorieta pay
- 4) possibly commingle perfs 5114' - 5325' Justis; Blinebry-Tubb-Drinkard (34220) and Wildcat; Glorieta perfs.

*Not done yet?*

## Oil Conservation Division

Conditions of approval: Approval for drilling ONLY  
-- CANNOT produce Downhole Commingled until  
DHC is approved in Santa Fe.



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Phyllis A. Edwards		Title Regulatory Analyst
Signature <i>Phyllis A. Edwards</i>		Date 11/01/2005

### THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>DAVID R. GLASS</b> PETROLEUM ENGINEER	Date NOV 15 2005
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
Office	

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

(Instructions on page 2)

*K*