

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.
06 APR 18 2006
SANTA FE, NEW MEXICO

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 Commingled)
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 Blinebry-Tubb-Drinkard	32.6		32.6	
				73 MCFD

PC-1165

(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

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 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 MARALO, LLC 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

Diagram showing well location with geodetic coordinates and lease information boxes. The diagram includes a grid with dimensions and a well location marked with a circle. The well location is defined by a 330' x 330' square area. The well location is also defined by a 330' x 330' square area. The well location is also defined by a 330' x 330' square area.

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

M D SELF #5
API: 30-025-12449
JUSTIS BLINEBRY-TUBB-DRINKARD
FEDERAL LEASE #
NM 0889

M D SELF #3
API: 30-025-12447
LANGLIE MATTIX; Z RIVERS-QUEEN-GRAYBURG
FEDERAL LEASE #
NM 0889

M D SELF #6
API: 30-025-12450
JUSTIS BLINEBRY-TUBB-DRINKARD
FEDERAL LEASE # NM 0889

OPERATOR CERTIFICATION

I hereby certify the 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
4-4-06
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 15, 2004

Date Surveyed _____ DEL
Signature & Seal of Professional Surveyor
Gary E. Edson 12/23/04
04.11.1704
Certificate No. GARY EDSON 12641

**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 Blinebry-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 Blinebry-Tubb-Drinkard
30-025-12450	6	1750' FNL & 330' FWL	6	26S	38E	Justis Blinebry-Tubb-Drinkard

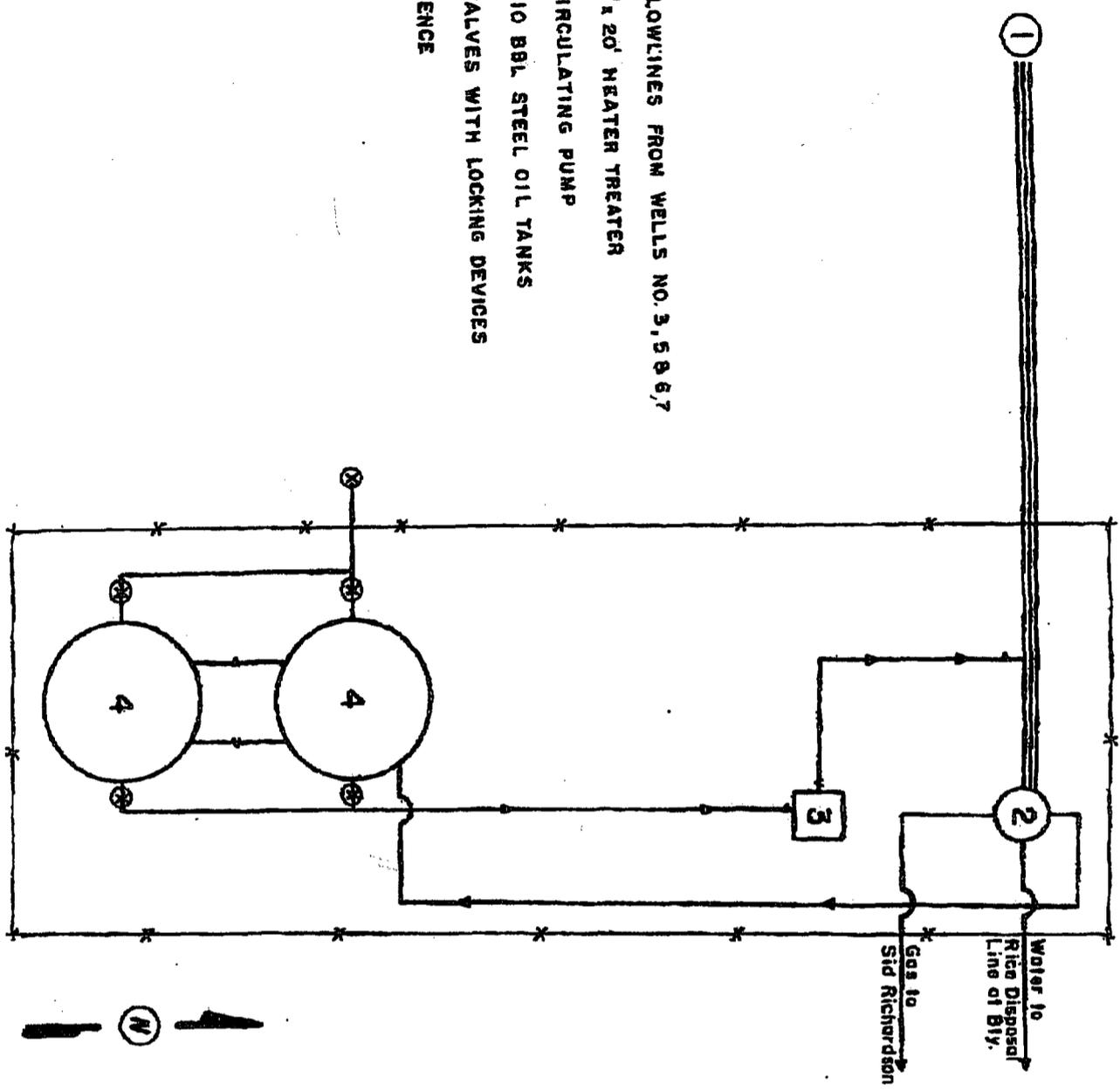
*wc GLORIETA
DHE 3610*

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

- 1 FLOWLINES FROM WELLS NO. 3, 5, 6, 7
- 2 4' x 20' HEATER TREATER
- 3 CIRCULATING PUMP
- 4 210 BBL STEEL OIL TANKS
- ⊗ VALVES WITH LOCKING DEVICES
- X — FENCE



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	COG OPERATING LLC	O	Lea	Lea	F	C	6	26 S	38 E	330 N	1770 W		
30-025-37352-00-00	M D SELF	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	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	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	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	COG OPERATING LLC	O	Lea	Lea	F	F	6	26 S	38 E	1350 N	1077 W		
30-025-37411-00-00	M D SELF	COG OPERATING LLC	O	Lea	Lea	F	F	6	26 S	38 E	1350 N	1650 W		
30-025-37353-00-00	M D SELF	COG OPERATING LLC	O	Lea	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.

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

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 <u>Add Glorieta pay</u>
	<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 recomplete 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 DAVID R. GLASS <i>(GREG SGD.)</i>	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)

KOB