

ABOVE THIS LINE FOR DIVISION USE ONLY

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



COG Operating
Edward State #4

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 CONOCO PHILLIPS
 3300 NORTH A STREET, BLDG 6
 MIDLAND, TX 79705
- [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.

PHYLLIS A. EDWARDS
 Print or Type Name

Signature

REGULATORY ANALYST
 Title

Date

pedwards@conchoresources.com
 e-mail Address

2007 OCT 26 PM 3 30

RECEIVED

10/25/07

**Edward State #4
Lea County, NM**

COG proposes to drill a SW/4, 40 acre spacing
Maljamar; Yeso Oil Well
TD of approximately 7000'
Non-Standard Location:
1500' FSL & 2290' FWL Sec 16, T17S, R32E, Unit K

This location is a non-standard location due to existing lease road. COG would like to drill well vertically instead of directionally to cut drilling cost.

This well is to be completed in the Maljamar Yeso (97608) formation.
We won't know the exact perms until we drill & log it, but it will be very similar to the MC Federal #10 which was drilled in March 2007 and is located 1500' FNL & 990' FWL, Unit E in Sec 22, T17S, R32E.

The MC Federal #10 completion broke the Paddock up into 2 perf/stimulation intervals. At this time, we assume the Edward State #4 will/should be very similar.

MC Federal #10 has perms from: 5967' – 6873' overall, but broken up into 2 separate intervals, with 2 separate fracs:

1st interval: 6513' – 6873'
acidized w/ 1650 gals,
frac w/ 74,609 gals 40# gel, & 48,538# 16/30 sand,

2nd interval: 5967' – 6310'
acidized w/ 2000 gals,
frac w/ 50,000 gals 20/40 white, & 15,000# 6/30 sand

Attachment 1

Plat

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing COG Operating LLC owns acreage in yellow.

The acreage we are encroaching on is
the SE/4 & the SW/4 of Section 16.

COG owns Queen formation rights only in the offset acreage.

Conoco acreage is annotated in pink.

Conoco Phillips notice and receipt letter dated 10-12-07 is attached. The notification was for the Leaker CC State #10.

This well was re-named the Edward State #4.

COG sent letter stating that the well was re-named on 10-24-07 (copy attached).

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	97608	MALJAMAR; YESO
Property Code	Property Name	Well Number
302482	EDWARD STATE	4
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	4033'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	16	17-S	32-E		1500	SOUTH	2290	WEST	LEA

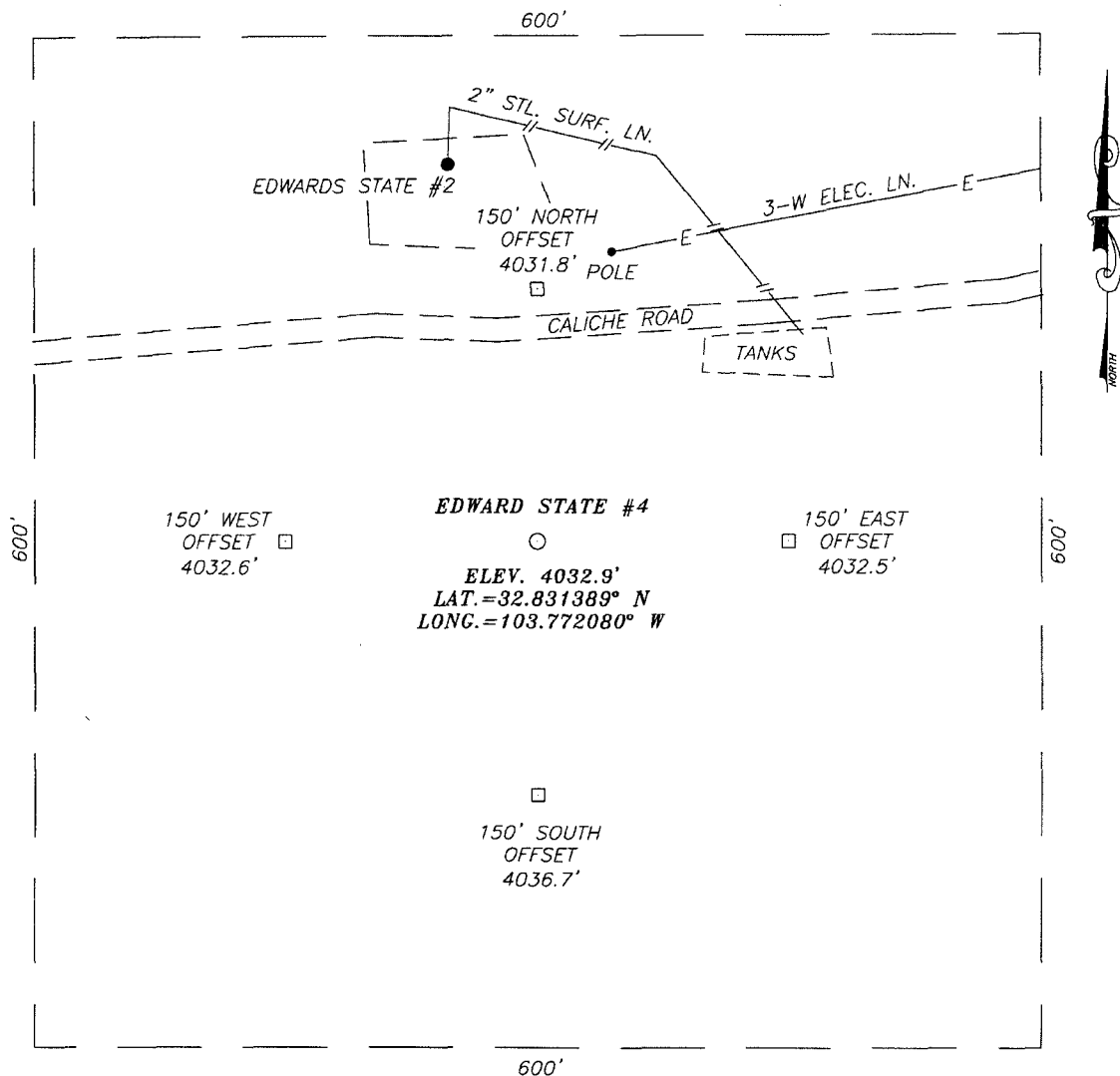
Bottom Hole Location If Different From Surface

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

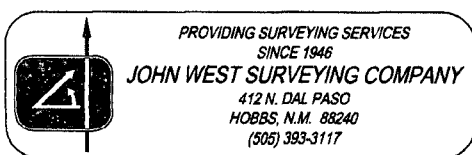
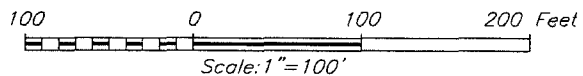
GEODETIC COORDINATES NAD 27 NME Y=666628.1 N X=672398.5 E LAT.=32.831389° N LONG.=103.772080° W 2290' 1500'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased 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. <i>Phyllis A. Edwards</i> 10/25/07 Signature Date Phyllis A. Edwards Printed Name Regulatory Analyst 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. OCTOBER 3, 2007 Date Surveyed LA-REV: 10/18/07 Signature & Seal of Professional Surveyor <i>Ronald E. Eidsen</i> 3239 07.11.1332 Certificate No. 12641 RONALD EIDSON 3239
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SECTION 16, 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 CO. RD. #L-126 (CONOCO RD.) GO NORTH ON MALJAMAR RD. APPROX. 1.41 MILES. TURN LEFT AND GO WEST APPROX. 0.3 MILES. VEER LEFT AND GO SOUTHWEST, THEN SOUTH APPROX. 0.4 MILES. TURN RIGHT AND GO WEST APPROX. 0.2 MILES. THIS LOCATION IS APPROX. 128 FEET SOUTH.



COG OPERATING, LLC

EDWARD STATE #4 WELL
LOCATED 1500 FEET FROM THE SOUTH LINE
AND 2290 FEET FROM THE WEST LINE OF SECTION 16,
TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 10/3/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.1332	Dr By: LA
Date: 10/9/07	Disk: CD#6
07111332	Scale: 1"=100'

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

SEC. 16 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

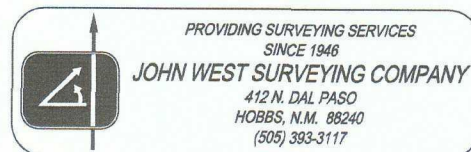
DESCRIPTION 1500' FSL & 2290' FWL

ELEVATION 4033'

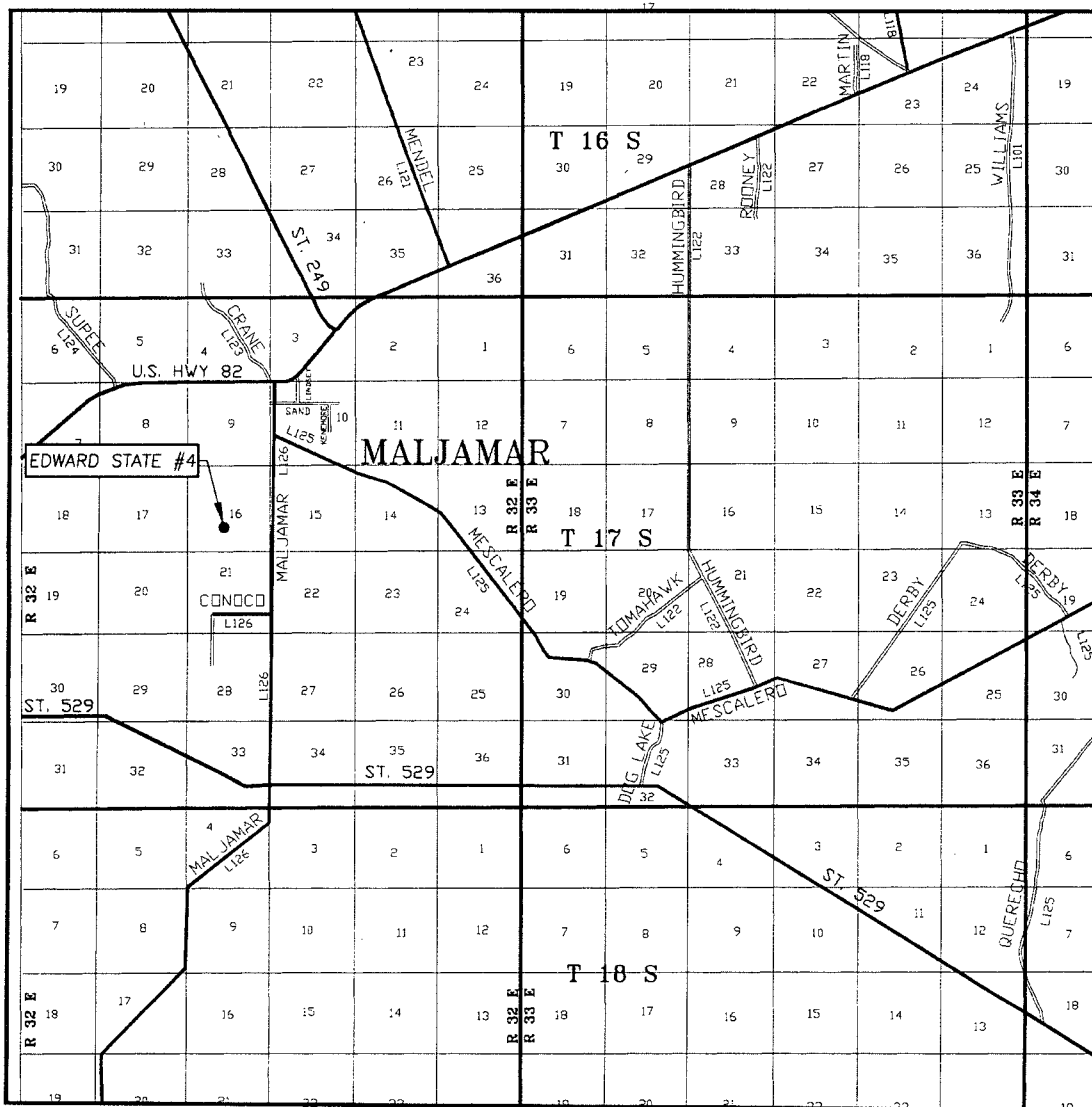
OPERATOR COG OPERATING, LLC

LEASE EDWARD STATE

U.S.G.S. TOPOGRAPHIC MAP
MALJAMAR, N.M.

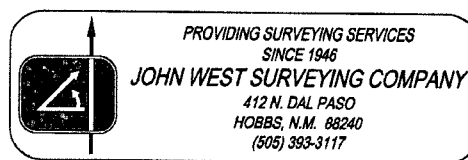


VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 17-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 1500' FSL & 2290' FWL
 ELEVATION 4033'
 OPERATOR COG OPERATING, LLC
 LEASE EDWARD STATE



Offset Wells - Edward State #4

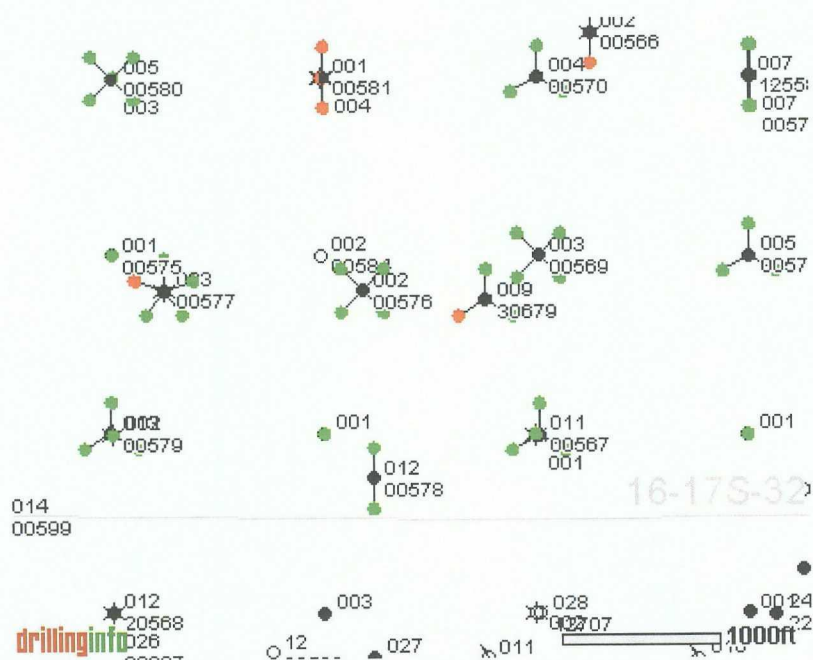
API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Depth	Well Status
30-025-00566	COG OPERATING LLC	LEAKER CC	002	LEA	S:16, T:17S, R:32E	MALJAMAR	QUEEN (GAS)		Pumping
30-025-00567	CONOCOPHILLIPS COMPANY	MCA UNIT	011	LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Temporarily Abandoned
30-025-00567	CONOCOPHILLIPS COMPANY	MCA UNIT	011	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0	Temporarily Abandoned
30-025-00569	MACK ENERGY CORP	LEAKER CC	003	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	4,318	Pumping
30-025-00569	MACK ENERGY CORP	LEAKER CC	003	LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		4,318	Pumping
30-025-00569	COG OPERATING LLC	LEAKER CC	003	LEA	S:16, T:17S, R:32E	BAISH	YATES	4,318	Pumping
30-025-00570	MACK ENERGY CORP	LEAKER CC	004	LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Pumping
30-025-00570	COG OPERATING LLC	LEAKER CC	004	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0	Pumping
30-025-00571	MACK ENERGY CORP	LEAKER CC	005	LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Pumping
30-025-00571	COG OPERATING LLC	LEAKER CC	005	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0	Pumping
30-025-00574	MACK ENERGY CORP	LEAKER CC	007	LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)			Pumping
30-025-00574	MACK ENERGY CORP	LEAKER CC	007	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES		Pumping
30-025-00576	COG OPERATING LLC	EDWARD STATE	002	LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0	Pumping
	MACK ENERGY	EDWARD			S:16,				

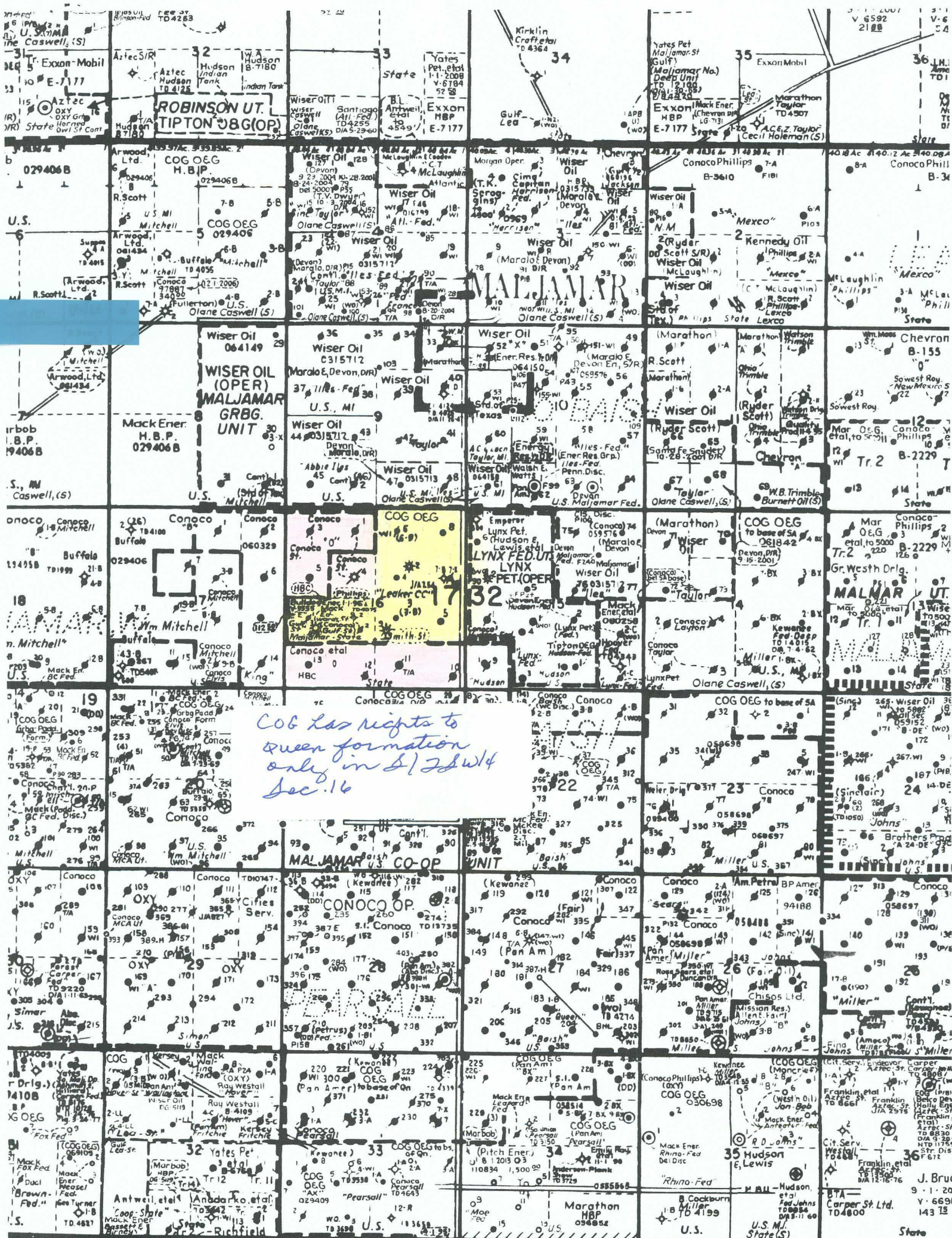
30-025-00577	CORP	STATE	003 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-00577	COG OPERATING LLC	EDWARD STATE	003 LEA	S:16, T:17S, R:32E	MALJAMAR	QUEEN (GAS)	Active
30-025-00579	CONOCOPHILLIPS COMPANY	MCA UNIT	013 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-00579	CONOCOPHILLIPS COMPANY	MCA UNIT	013 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		Pumping
30-025-00580	CONOCOPHILLIPS COMPANY	MCA UNIT	005 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)		Pumping
30-025-00580	CONOCOPHILLIPS COMPANY	MCA UNIT	005 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-12558	CONOCOPHILLIPS COMPANY	STATE B	007 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-30679	MACK ENERGY CORP	LEAKER CC	009 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Flowing
30-025-30679	COG OPERATING LLC	LEAKER CC	009 LEA	S:16, T:17S, R:32E	MALJAMAR	QUEEN (GAS)	Flowing
30-025-00578	CONOCO, INC.	MCA UNIT	012 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-12558	CONOCO, INC.	STATE B	007 LEA	S:16, T:17S, R:32E	DRY & ABANDONED		Pumping
30-025-00581		STATE O	001 LEA	S:16, T:17S, R:32E	MALJAMAR	QUEEN (GAS)	Active
30-025-30679		LEAKER "CC"	009 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Flowing
30-025-00575		GULF STATE E	001 LEA	S:16, T:17S, R:32E	BAISH	YATES	Active
30-025-00578		MCA UNIT BATTERY 2	012 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active

30-025-00576	EDWARD C DONOHUE	GULF STATE	002 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-00577	EDWARD	GULF STATE	003 LEA	S:16, T:17S, R:32E	MALMAJAR		Active
30-025-00567	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	011 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		0 Temporarily Abandoned
30-025-00579	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	013 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		Pumping
30-025-00580	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 5	005 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		Pumping
30-025-00569	CONTINENTAL OIL COMPANY	STATE B	003 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		4,318 Pumping
30-025-00570	CONTINENTAL OIL COMPANY	STATE B	004 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		0 Pumping
30-025-00571	CONTINENTAL OIL COMPANY	STATE B	005 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESS		0 Pumping
30-025-00000	KEWANEE OIL COMPANY	STATE O	004 LEA	S:16, T:17S, R:32E	MALJAMAR POOL		Active
30-025-00000	BUFFALO- CONT'D.	STATE A	001 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESSURING POOL		Active
30-025-00000	BUFFALO- CONT'D.	STATE B	001 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESSURING POOL		Active
30-025-00000	KEWANEE- CONT'D.	STATE O	001 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESSURING POOL		Active
30-025-00000	KEWANEE- CONT'D.	STATE O	002 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESSURING POOL		Active
30-025-00000	KEWANEE- CONT'D.	STATE O	003 LEA	S:16, T:17S, R:32E	MALJAMAR REPRESSURING POOL		Active

DI Search Results (Printable Table)

30-025-00566	BUFFALO OIL COMPANY	STATE B	002 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-00000	KEWANEEOIL COMPANY	STATE O	004 LEA	S:16, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-00576	CONTINENTAL OIL CO	GULF E STATE	002 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA		0 Pumping
30-025-00577	CONTINENTAL OIL CO	GULF E STATE	003 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG SA		Active
30-025-00576	DENIUS H R ET AL	WYATT PHILLIPS FED	002 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG		0 Pumping
30-025-00577	DENIUS H R ET AL	WYATT PHILLIPS FED	003 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG		Active
30-025-00580	CONTINENTAL OIL CO	MCA UNIT BATTERY 7	005 LEA	S:16, T:17S, R:32E	MALJAMAR GRAYBURG S A REPRESS CTD		Pumping





COG has rights to
queer formation
only in S12 & W14
Sec. 16

**COG OPERATING LLC
550 W. TEXAS, SUITE 1300
MIDLAND, TX 79701**

October 12, 2007

Conoco – Phillips
Mid-Continent Business Unit
3300 North A Street, Bldg 6
Midland, TX 79705

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Maljamar: YESO oil well.

**LEAKER CC #10
Lea County, NM**

1500' FSL & 2290' FWL Sec 16, T17S, R32E

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Phyllis A. Edwards
Regulatory Analyst

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Conoco - Phillips
Mid-Continent Business Unit
3300 North A Street, Bldg 6
Midland, TX 79705

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Thene Leab*☐ Agent☐ Addressee

B. Received by (Printed Name)

Thene Leab

C. Date of Delivery

*10/15/07*D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7005 0390 0000 6041 4957...

**COG OPERATING LLC
550 W. TEXAS, SUITE 1300
MIDLAND, TX 79701**

October 24, 2007

Conoco – Phillips
Mid-Continent Business Unit
3300 North A Street, Bldg 6
Midland, TX 79705

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Maljamar: YESO oil well.

A notice for this location was sent to you 10-12-07 for the Leaker CC #10. This location was re-named the

**EDWARD STATE #4
Lea County, NM
1500' FSL & 2290' FWL Sec 16, T17S, R32E**

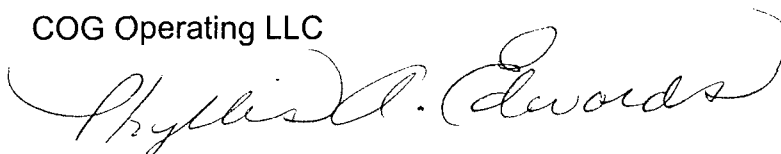
formerly the:

**LEAKER CC #10
Lea County, NM
1500' FSL & 2290' FWL Sec 16, T17S, R32E**

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Phyllis A. Edwards
Regulatory Analyst