

4/30/08 DATE IN	SUSPENSE	Brooks ENGINEER	4/30/08 LOGGED IN	WSL TYPE	PKVR0812160011 APP NO.
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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



Cog Operating
MC Federal #27
5832

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]

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- [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 ~~6~~ Does Not Apply *Rule 4/30*
- [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.

PHYLLIS A. EDWARDS
Print or Type Name

Phyllis A. Edwards
Signature

REGULATORY ANALYST
Title

Date

pedwards@conchoresources.com
e-mail Address

**M C Federal #27
Lea County, NM**

COG proposes to drill a **VERTICAL** NE /4, 40 acre spacing
Maljamar; Yeso oil well
TD of approximately 7000'

Location: 2460' FNL & 330' FEL Sec 21, T17S, R32E, Unit H

**This well had to be drilled at a non-standard location
due to pipeline and sand dune constrictions.**

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 M C Federal #11 (2460' FSL & 2210' FEL, Section 21, UL J) which was
completed in August 2007.

The M C Federal #11 completion broke the Yeso up into 3 perf/stimulation
intervals. M C Federal #11 has perms from: 5981' – 6854' overall, but broken up
into 3 separate intervals, with 3 separate fracs

1st interval: 5981' – 6104',
acidized w/ 2000 gals,
frac'd w/ 98,658 gals gel, 8,000 # LiteProp, 96,680# 16/30 sand.

2nd interval: 6206' – 6527',
acidized w/ 2500 gals,
frac'd w/ 91,018# gal gel, 8000# LiteProp, & 88,500 gals 16/30 sand.

3rd interval: 6627' – 6854',
acidized w/ 1750 gals,
frac'd w/ 103,543# gal gel, 8000# LiteProp, & 89,800 gals 16/30 sand.

At this time, we assume the M C Federal #27 should be very similar.

Attachment 1

Plat, & plat showing pipeline

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing that COG owns offset acreage.
The acreage we are encroaching is the NE / 4 of the SE / 4 of Section 21.
Interests are the same.

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

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 44500	Pool Name MALJAMAR; YESO, WEST
Property Code 302519	Property Name MC FEDERAL	Well Number 27
UGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 4023'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	17-S	32-E		2460	NORTH	330	EAST	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

DETAIL 4024.8' 4012.8' 600' 4044.0' 4021.2' 2460' 330' SEE DETAIL GEODETIC COORDINATES NAD 27 NME Y=662675.2 N X=675083.2 E LAT.=32.820484° N LONG.=103.763410° W	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> 22-08 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. APR 10 2008 NEW MEXICO Professional Surveyor 3239 Ronald J. Eidson 08-11-0056 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239
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CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

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

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

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

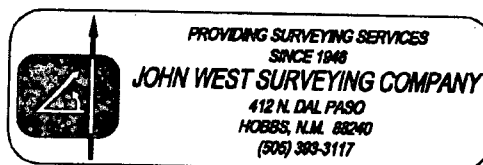
CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

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MALJAMAR, N.M. - 10'

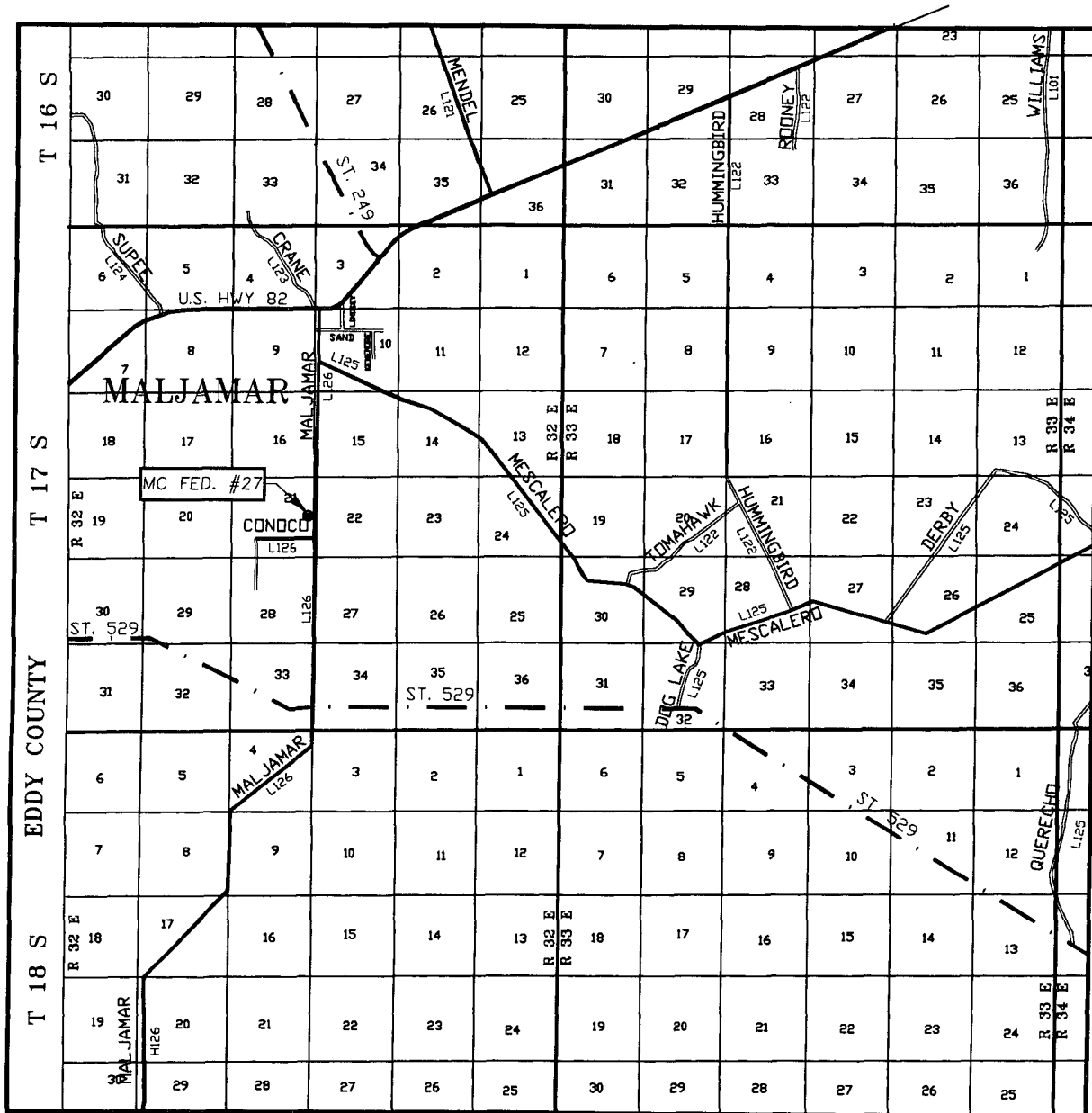
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CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

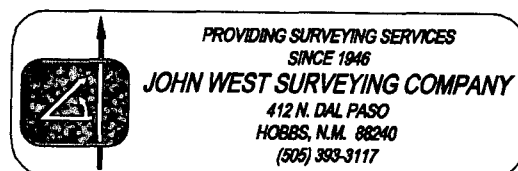


VICINITY MAP

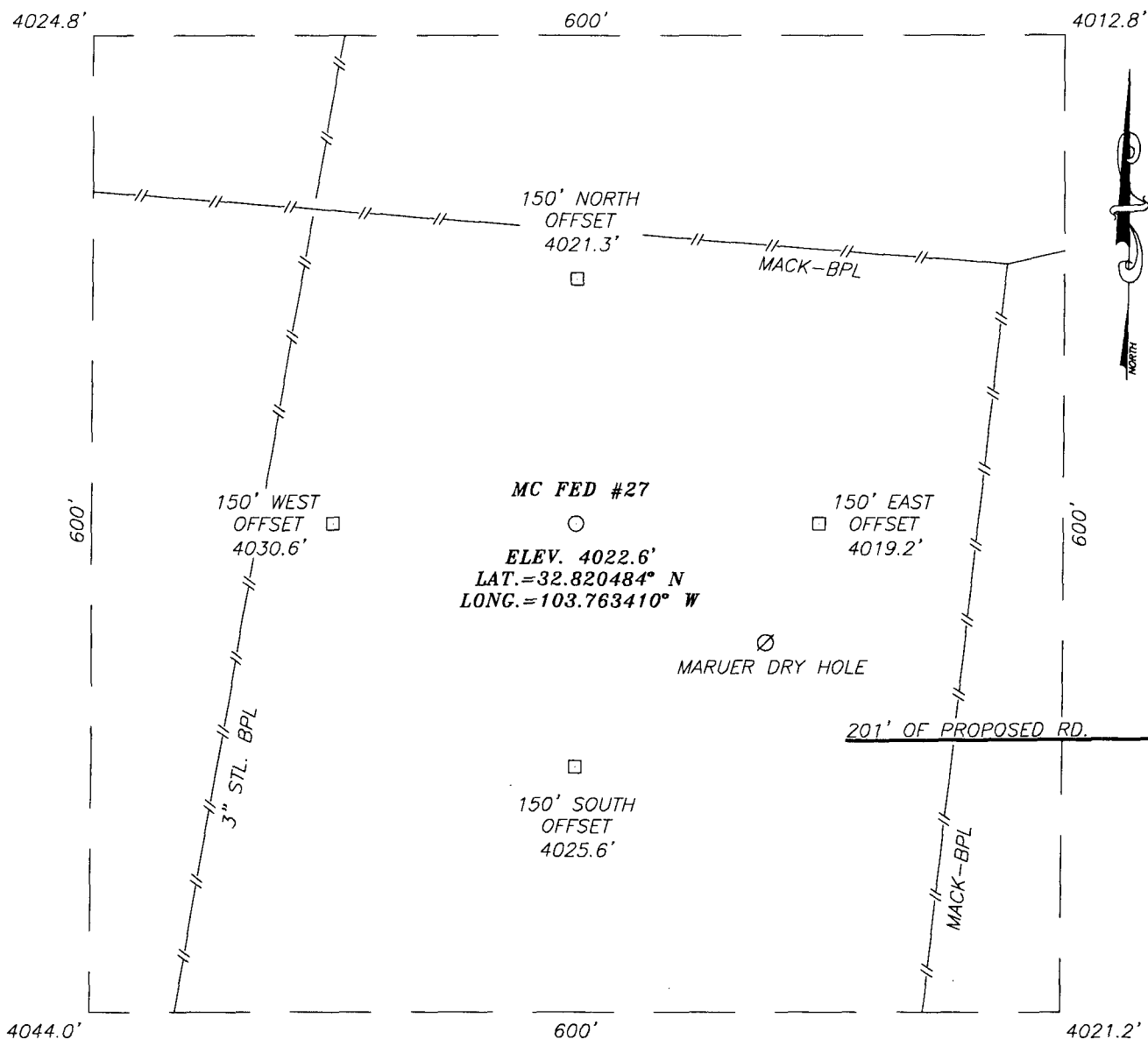


SCALE: 1" = 2 MILES

SEC. 21 TWP. 17-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 2460' FNL & 330' FEL
 ELEVATION 4023'
 OPERATOR COG OPERATING, LLC
 LEASE MC FEDERAL

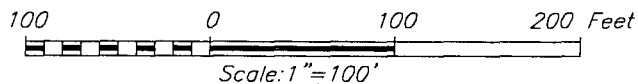


SECTION 21, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #L126
 (MALJAMAR RD.) AND CO. RD. #L126 (CONOCO RD.),
 GO NORTH ON MALJAMAR RD. APPROX. 0.3 MILES.
 TURN LEFT AND GO WEST APPROX. 350 FEET TO
 THIS LOCATION.



COG OPERATING, LLC

MC FED #27 WELL
 LOCATED 2460 FEET FROM THE NORTH LINE
 AND 330 FEET FROM THE EAST LINE OF SECTION 21,
 TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.



PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

Survey Date: 4/09/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.0056	Dr By: AR
Date: 4/16/08	Rev 1: N/A
Disk:	08110056
	Scale: 1"=100'

M C Federal 27 Offset wells

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Depth W
30-025-34973	MACK ENERGY CORP	Unknown	5	LEA	S:21, T:17S, R:32E			Unknown (QUEEN)	QUEEN	6,010 Pl
30-025-34973	MACK ENERGY CORP	Unknown	5	LEA	S:21, T:17S, R:32E			Unknown (GRAYBURG-SAN ANDRES)	GRAYBURG-SAN ANDRES	6,010 Pl
30-025-34973	MACK ENERGY CORP	Unknown	5	LEA	S:21, T:17S, R:32E			Unknown (ABO)	ABO	6,010 Pl
30-025-34973	MACK ENERGY CORP	Unknown	5	LEA	S:21, T:17S, R:32E			Unknown (YATES)	YATES	6,010 Pl
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	Jan 1977	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	4,167 Pl
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		4,167 Pl
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	Nov 1987	Dec 1990	MALJAMAR	GRAYBURG-SAN ANDRES	Te
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1973	MALJAMAR GRAYBURG SA REP(ABOLISHED)		Te
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	Jan 1977	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	Pl
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		Pl
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E	Jan 1963	Jul 1965	MALJAMAR	GRAYBURG-SAN ANDRES	0 Inj
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		0 Inj
30-025-00605	CONOCOPHILLIPS COMPANY	MCA UNIT	045	LEA	S:21, T:17S, R:32E	Jan 1977	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	4,106 Inj
	CONOCOPHILLIPS	MCA			S:21,					

30-025-00605	COMPANY	UNIT	045 LEA	T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,106	Inj
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047 LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pl
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047 LEA	S:21, T:17S, R:32E	May 1973	Dec 2007	MALJAMAR	0	Pl
30-025-00607	CONOCOPHILLIPS COMPANY	MCA UNIT	026 LEA	S:21, T:17S, R:32E	Jan 1963	Jul 1965	MALJAMAR		Inj
30-025-00607	CONOCOPHILLIPS COMPANY	MCA UNIT	026 LEA	S:21, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		Inj
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093 LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pl
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093 LEA	S:21, T:17S, R:32E	Jan 1977	Dec 2007	MALJAMAR	0	Pl
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092 LEA	S:21, T:17S, R:32E	Jan 1964	Dec 2007	MALJAMAR	4,082	Pl
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092 LEA	S:21, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,082	Pl
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067 LEA	S:21, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,125	Inj
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067 LEA	S:21, T:17S, R:32E	Jan 1964	Dec 2007	MALJAMAR	4,125	Inj
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069 LEA	S:21, T:17S, R:32E	Jan 1964	Dec 2007	MALJAMAR	0	Pl
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069 LEA	S:21, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pl
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 2007	MALJAMAR	4,131	Pl
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071 LEA	S:21, T:17S, R:32E	Jan 1969	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,131	Pl
				S:21,					

30-025-00615	CONOCO, INC.	MCA UNIT	068	LEA	T:17S, R:32E	Jan 1963	Nov 1963	MALJAMAR	GRAYBURG-SAN ANDRES	Te
30-025-00616	CONOCO, INC.	MCA UNIT	090	LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)				4,133 Pl
30-025-00616	CONOCO, INC.	MCA UNIT	090	LEA	S:21, T:17S, R:32E	MALJAMAR				4,133 Pl
30-025-00618	CONOCOPHILLIPS COMPANY	BAISH A	003	LEA	S:21, T:17S, R:32E	Jan 1963	Dec 2007	BAISH	YATES	Pl
30-025-00619	CONOCOPHILLIPS COMPANY	BAISH A	005	LEA	S:21, T:17S, R:32E	Jan 1963	Dec 2007	BAISH	YATES	Pl
30-025-08031	CONOCOPHILLIPS COMPANY	MCA UNIT	046	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pl
30-025-12707	CONOCOPHILLIPS COMPANY	MCA UNIT	028	LEA	S:21, T:17S, R:32E	Jan 1963	Jul 1965	MALJAMAR	GRAYBURG-SAN ANDRES	4,117 Te
30-025-12707	CONOCOPHILLIPS COMPANY	MCA UNIT	028	LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)				4,117 Te
30-025-12763	CONOCOPHILLIPS COMPANY	MCA UNIT	044	LEA	S:21, T:17S, R:32E	Jan 1970	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,066 Ac
30-025-12797	CONOCO, INC.	MCA UNIT	041	LEA	S:21, T:17S, R:32E	Apr 1969	Dec 1990	MALJAMAR	GRAYBURG-SAN ANDRES	Pl
30-025-20522	CONOCOPHILLIPS COMPANY	MCA UNIT	234	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,100 Pl
30-025-20568	CONOCOPHILLIPS COMPANY	BAISH A	012	LEA	S:21, T:17S, R:32E	Feb 1964	Dec 2007	BAISH	WOLFCAMP	Pl
30-025-20568	CONOCOPHILLIPS COMPANY	BAISH A	012	LEA	S:21, T:17S, R:32E	Apr 1964	Dec 2007	MALJAMAR	ABO	Pl
30-025-22661	CONOCOPHILLIPS COMPANY	MCA UNIT	245	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,130 Pl
30-025-23433	CONOCOPHILLIPS COMPANY	MCA UNIT	251	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	Pl
					S:21,					

30-025-23660	CONOCO, INC.	MCA UNIT	262	LEA	T:17S, R:32E				MALJAMAR	GRAYBURG-SAN ANDRES	4,130	Pl
30-025-24258	CONOCOPHILLIPS COMPANY	MCA UNIT	326	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR		GRAYBURG-SAN ANDRES	4,250	Pl
30-025-24267	CONOCOPHILLIPS COMPANY	MCA UNIT	328	LEA	S:21, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR		GRAYBURG-SAN ANDRES	4,200	Pl
30-025-24461	CONOCO, INC.	MCA UNIT	340	LEA	S:21, T:17S, R:32E				MALJAMAR	GRAYBURG-SAN ANDRES	4,175	Te
30-025-29854	CONOCOPHILLIPS COMPANY	MCA UNIT	368	LEA	S:21, T:17S, R:32E	May 1987	Dec 2007	MALJAMAR		GRAYBURG-SAN ANDRES		Ac
30-025-29959	CONOCOPHILLIPS COMPANY	MCA UNIT	373	LEA	S:21, T:17S, R:32E	Oct 1987	Aug 2002	MALJAMAR		GRAYBURG-SAN ANDRES	4,350	Pl
30-025-30347	CONOCOPHILLIPS COMPANY	MCA UNIT	379	LEA	S:21, T:17S, R:32E	Sep 1988	Feb 2007	MALJAMAR		GRAYBURG-SAN ANDRES	4,220	Pl
30-025-34773	COG OPERATING LLC	MC FEDERAL	003	LEA	S:21, T:17S, R:32E	Apr 2000	Dec 2007	MALJAMAR		PADDOCK	5,952	Pl
30-025-34933	COG OPERATING LLC	MC FEDERAL	004	LEA	S:21, T:17S, R:32E	Jun 2000	Dec 2007	MALJAMAR		PADDOCK	5,982	Pl
30-025-34973	COG OPERATING LLC	MC FEDERAL	5	LEA	S:21, T:17S, R:32E	Apr 2001	Jul 2003	MALJAMAR		PADDOCK	6,010	Pl
30-025-35252	COG OPERATING LLC	MC FEDERAL	006	LEA	S:21, T:17S, R:32E	Apr 2001	Dec 2007	MALJAMAR		DEVONIAN	15,026	Pl
30-025-00622	CONOCO, INC.	BAISH A	008	LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1969	MALJAMAR		ABO	13,670	Ac
30-025-00613	CONOCO, INC.	BAISH A	004	LEA	S:21, T:17S, R:32E	Dec 1966	Apr 1970	BAISH		YATES		Ac
30-025-00620	CONOCO, INC.	BAISH A	006	LEA	S:21, T:17S, R:32E	Jan 1959	Nov 1969	BAISH		YATES		Ac
30-025-12748	CONOCO, INC.	MCA UNIT	029	LEA	S:21, T:17S, R:32E				MALJAMAR	GRAYBURG-SAN ANDRES		Ac
					S:21,							

30-025-00614	CONOCO, INC.	MCA UNIT	355 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Ur
30-025-22661		MCA UNIT BATTERY 2	245 LEA	S:21, T:17S, R:32E	Jan 1969 Dec 1976 MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,130 Pl
30-025-22661		MCA UNIT BATTERY 2	245 LEA	S:21, T:17S, R:32E	Sep 1968 Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,130 Pl
30-025-20304		BAISH A	010 LEA	S:21, T:17S, R:32E	BAISH	YATES	Ur
30-025-12748		MCA UNIT BATTERY 2	029 LEA	S:21, T:17S, R:32E	Jan 1963 Jan 1974 MALJAMAR	GRAYBURG-SAN ANDRES	Ac
30-025-20149		BAISH A	011 LEA	S:21, T:17S, R:32E	BAISH	YATES	2,436 Ur
30-025-00606		MCA UNIT BATTERY 2	047 LEA	S:21, T:17S, R:32E	Feb 1967 Dec 1974 MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Pl
30-025-23660		MCA UNIT BATTERY 1	262 LEA	S:21, T:17S, R:32E	Jan 1971 Dec 1976 MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,130 Pl
30-025-23660		MCA UNIT BATTERY 1	262 LEA	S:21, T:17S, R:32E	Jan 1977 Oct 1990 MALJAMAR	GRAYBURG-SAN ANDRES	4,130 Pl
30-025-00606		MCA UNIT BATTERY 21	047 LEA	S:21, T:17S, R:32E	BAISH	YATES	0 Pl
30-025-00605		MCA UNIT BATTERY 2	045 LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,106 Inj
30-025-00605		MCA UNIT BATTERY 2	045 LEA	S:21, T:17S, R:32E	Jan 1963 Jul 1965 MALJAMAR	GRAYBURG-SAN ANDRES	4,106 Inj
30-025-12763		MCA UNIT BATTERY	044 LEA	S:21, T:17S,	BAISH	YATES	4,066 Ac

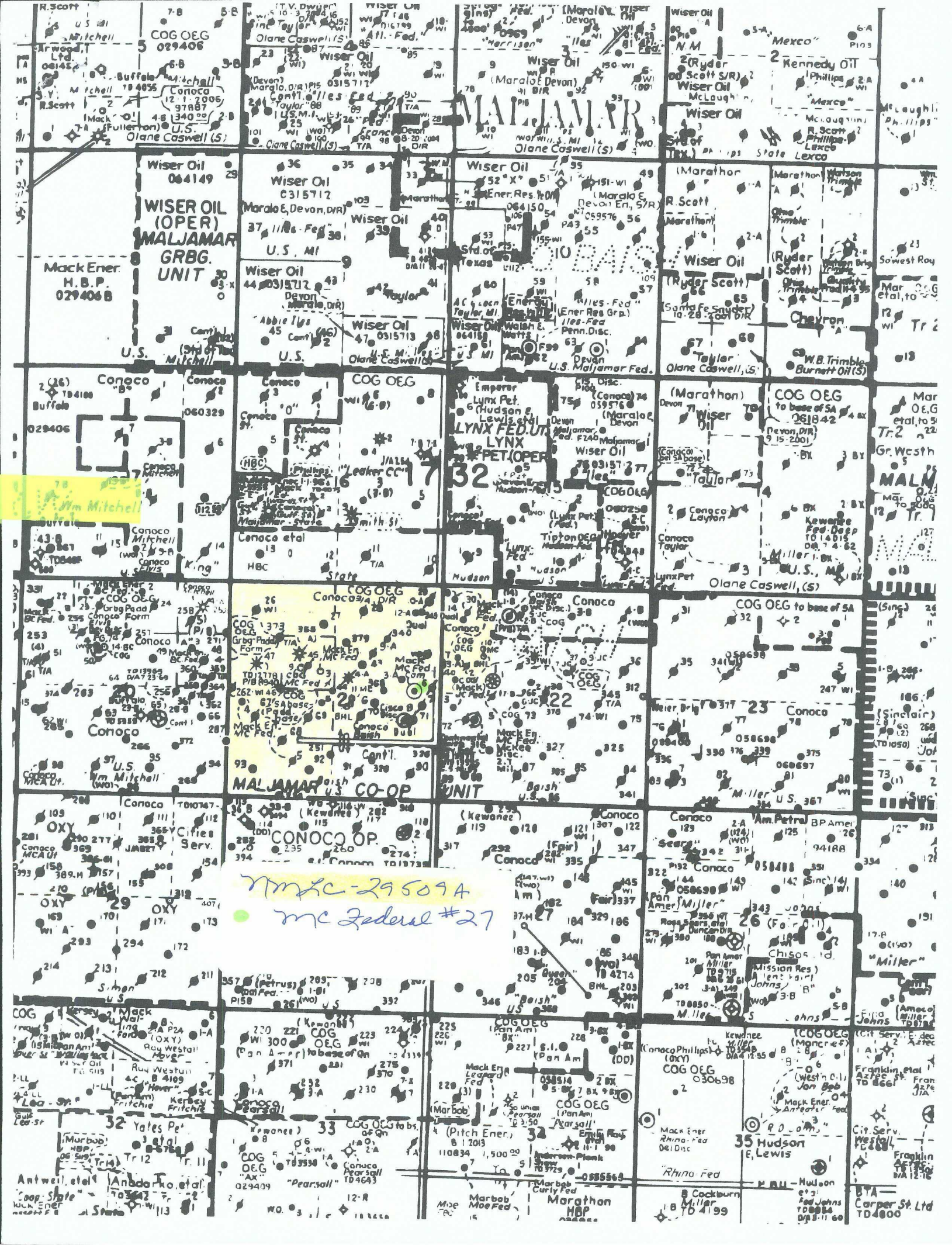
30-025-00000	19 BAISH A	001 LEA	R:32E S:21, T:17S, R:32E	Oct 1963	Dec 1969	MALJAMAR	ABO	Ac
30-025-00000	BAISH A	001 LEA	S:21, T:17S, R:32E			MALJAMAR	QUEEN (GAS)	Ac
30-025-00614	MCA UNIT BATTERY 2	355 LEA	S:21, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	Ur
30-025-24461	MCA UNIT BATTERY 2	340 LEA	S:21, T:17S, R:32E	Jan 1977	May 1991	MALJAMAR	GRAYBURG-SAN ANDRES	4,175 Te
30-025-24461	MCA UNIT BATTERY 2	340 LEA	S:21, T:17S, R:32E	Aug 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,175 Te
30-025-00603	MCA UNIT BATTERY 20	043 LEA	S:21, T:17S, R:32E			BAISH	YATES	Pl
30-025-20216	BAISH A	009 LEA	S:21, T:17S, R:32E	Oct 1963	Dec 1967	BAISH	YATES	9,822 Ac
30-025-00602	MCA UNIT BATTERY 2	042 LEA	S:21, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Te
30-025-00602	MCA UNIT BATTERY 2	042 LEA	S:21, T:17S, R:32E	Jan 1963	Jul 1965	MALJAMAR	GRAYBURG-SAN ANDRES	Te
30-025-00000	BAISH A	027 LEA	S:21, T:17S, R:32E	Sep 1959	Dec 1962	UND LEA	BOUGH, SOUTH	Ac
30-025-00621	BAISH A	007 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1971	BAISH	YATES	Ac
30-025-00611	MCA UNIT BATTERY 2	069 LEA	S:21, T:17S, R:32E	Jan 1967	Dec 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Pl
30-025-20522	MCA UNIT	234 LEA	S:21, T:17S,	Aug 1963	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,100 Pl

30-025-12763	CONTINENTAL OIL COMPANY	UNIT BATTERY 2	044 LEA	S:21, T:17S, R:32E	Mar 1968	Dec 1968	MALJAMAR REPRESS	4,066 Ac
30-025-08031	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	046 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	0 Pl
30-025-00606	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	047 LEA	S:21, T:17S, R:32E	Jan 1968	Dec 1968	MALJAMAR REPRESS	0 Pl
30-025-00610	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	067 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	4,125 Inj
30-025-00611	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	069 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1968	MALJAMAR REPRESS	0 Pl
30-025-00616	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	090 LEA	S:21, T:17S, R:32E	Jan 1963	Sep 1969	MALJAMAR REPRESS	4,133 Pl
30-025-00609	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	092 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	4,082 Pl
30-025-00608	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	093 LEA	S:21, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	0 Pl
30-025-00000	BUFFALO OIL COMPANY	BAISH A	17Y LEA	S:21, T:17S, R:32E	Jan 1952	Dec 1952	BAISH WOLFCAMP, NORTH	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Jan 1952	Dec 1957	BAISH WOLFCAMP, NORTH	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	19Y LEA	S:21, T:17S, R:32E	Jan 1952	Dec 1957	BAISH WOLFCAMP, NORTH	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	22Y LEA	S:21, T:17S, R:32E	Jun 1952	Dec 1957	BAISH WOLFCAMP, NORTH	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	23Y LEA	S:21, T:17S, R:32E	Jun 1952	Dec 1957	BAISH WOLFCAMP, NORTH	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	001 LEA	S:21, T:17S,	Dec 1947	Dec 1962	MALJAMAR REPRESSURING POOL	Ac

30-025-00000	BUFFALO OIL COMPANY	BAISH A	002 LEA	R:32E S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	003 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSUR POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	004 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSUR POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	012 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO IOL COMPANY	BAISH A	013 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO IOL COMPANY	BAISH A	014 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	015 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	016 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING	Ac
30-025-00000	BUFFALO IOL COMPANY	BAISH A	020 LEA	S:21, T:17S, R:32E	Jan 1949	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH B	005 LEA	S:21, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH B	006 LEA	S:21, T:17S, R:32E	Mar 1947	Dec 1962	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	17Y LEA	S:21, T:17S, R:32E	Apr 1948	Oct 1953	BAISH POOL	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Jul 1948	Dec 1954	BAISH POOL.	Ac
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Jan 1951	Dec 1955	BAISH POOL	Ac
30-025-00000	BUFFALO OIL	BAISH A	19Y LEA	S:21, T:17S,	Aug 1948	Dec 1955	BAISH POOL	Ac

30-025-00612	CONTINENTAL OIL CO	UNIT BATTERY 3	071 LEA	S:21, T:17S, R:32E	Jan 1965	Dec 1971	MALJAMAR GRAYBURG SA REPRES	4,131 Pl
30-025-00000	BUFFALO OIL COMPANY	BAISH A	025 LEA	S:21, T:17S, R:32E	Jan 1954	May 1954	PLUGGED & ABANDONED	Ac
30-025-00000	CONTINENTAL OIL CO	BAISH A FED	027 LEA	S:21, T:17S, R:32E	Jan 1960	Dec 1961	MALJAMAR ABO DEPTH RANGE	Ac
30-025-00000	CONTINENTAL OIL	BAISH A Y FED	022 LEA	S:21, T:17S, R:32E	Jan 1958	Dec 1961	BAISH BLINEBRY	Ac
30-025-00000	CONTINENTAL OIL CO	BAISH A Y FED	023 LEA	S:21, T:17S, R:32E	Jan 1958	Dec 1961	BAISH BLINEBRY	Ac
30-025-00000	BUFFALO OIL CO.	BAISH A	005 LEA	S:21, T:17S, R:32E	Jan 1948	Dec 1948	MALJAMAR REPRESSURING POOL	Ac
30-025-00620	BUFFALO OIL CO.	BAISH A	006 LEA	S:21, T:17S, R:32E	Jan 1948	Dec 1948	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	BUFFALO OIL CO.	BAISH A	007 LEA	S:21, T:17S, R:32E	Jan 1948	Dec 1948	MALJAMAR REPRESSURING POOL	Ac
30-025-00000	CONTINENTAL OIL CO HOBBS DIST	BAISH A FED	022 LEA	S:21, T:17S, R:32E	Jan 1959	Dec 1962	BAISH YATES	Ac
30-025-00000	CONTINENTAL OIL CO HOBBS DIST	BAISH A FED	023 LEA	S:21, T:17S, R:32E	Jan 1959	Dec 1962	BAISH YATES	Ac
30-025-38387	COG OPERATING LLC	MC FEDERAL	11 LEA	S:21, T:17S, R:32E			MALJAMAR	7,015 Ac
30-025-38509	COG OPERATING LLC	MC FEDERAL	12 LEA	S:21, T:17S, R:32E	Nov 2007	Dec 2007	MALJAMAR	7,012 Ac
30-025-38387	COG OPERATING LLC	MC FEDERAL	11 LEA	S:21, T:17S, R:32E	Aug 2007	Dec 2007	WILDCAT G-02 S173222E	7,015 Ac
30-025-20149	STEVENS OPERATING CORPORATION	PRE-ONGARD WELL	011 LEA	S:21, T:17S, R:32E			MALJAMAR	2,436 Ac
30-025-20304	STEVENS OPERATING CORPORATION	PRE-ONGARD WELL	010 LEA	S:21, T:17S, R:32E			MALJAMAR	Ac

30-025-38551	COG OPERATING LLC	MC FEDERAL	13 LEA	S:21, T:17S, R:32E	Dec 2007	Dec 2007	MALJAMAR	PADDOCK	7,100 Ac
30-025-38509	COG OPERATING LLC	MC FEDERAL	12 LEA	S:21, T:17S, R:32E			MALJAMAR;PADDOCK		7,012 Ac
30-025-38387	COG OPERATING LLC	MC FEDERAL	11 LEA	S:21, T:17S, R:32E			MALJAMAR;PADDOCK		7,015 Ac



Date: April 28, 2008

To: Phyllis Edwards

From: Thena Anderson

RE: Unorthodox Location – MC Federal #27
Section 21, T17S, R32E
Lea County, New Mexico

Please be advised that ownership is common between the spacing unit containing the unorthodox well (MC Federal #27 - Unit H) and the adjoining spacing unit (Unit I). COG and ConocoPhillips own and COG operates depths from below base of Grayburg/San Andres to top of the Abo under the "Shallow" Farmout Agreement from ConocoPhillips. COG and ConocoPhillips also own and COG operates depths below base of the Wolfcamp to 15,126' under the "Deep" Farmout Agreement from ConocoPhillips. ConocoPhillips owns the remaining depths.

These above-referenced spacing units are included in BLM lease LC-29509A which covers additional lands (see attached plat).

Should you have any questions or need additional information, please advise.