

DATE IN 11/13/07	SUSPENSE	Brooks ENGINEER	11/13/07 LOGGED IN	NSL TYPE	PKUR 0731742569 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 LLC
 MC Federal #20

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

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 2007 NOV 13 AM 10:57

[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

11/9/07

**M C Federal #20
Lea County, NM**

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

new/4/5000'

Location: 1500' FSL & 990' FWL Sec 21, T17S, R32E, Unit L

This well had to be drilled at a non-standard location
due to pipeline 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 #20 should be very similar.

Attachment 1

Plat, & plat showing pipeline

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing offset acreage.

The acreage we are encroaching is the SW / 4 of the SW / 4 of Section 21.

COG owns both UL L & M of Section 21.

Interests are the same.

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

State of New Mexico

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

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505DISTRICT I
1301 W. GRAND AVENUE, ARTESIA, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 97608	Pool Name MALJAMAR; YESO
Property Code 302519	Property Name MC FEDERAL	Well Number 20
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 4016'

Surface Location

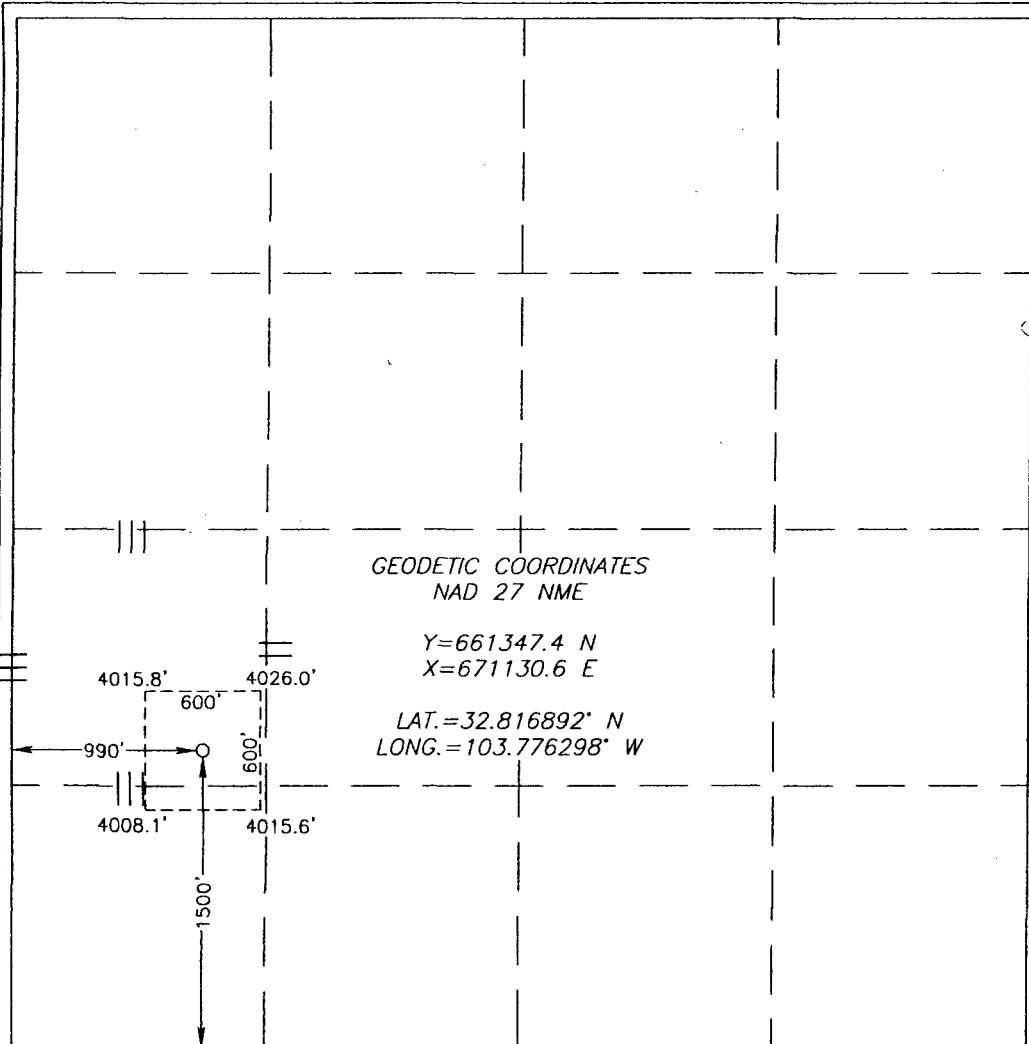
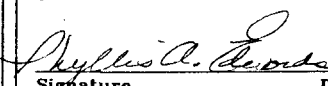
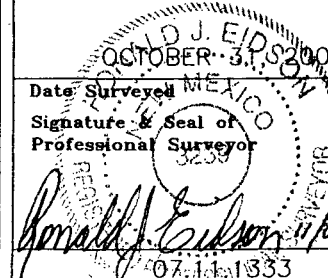
UL or lot No. L	Section 21	Township 17-S	Range 32-E	Lot Idn	Feet from the 1500	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

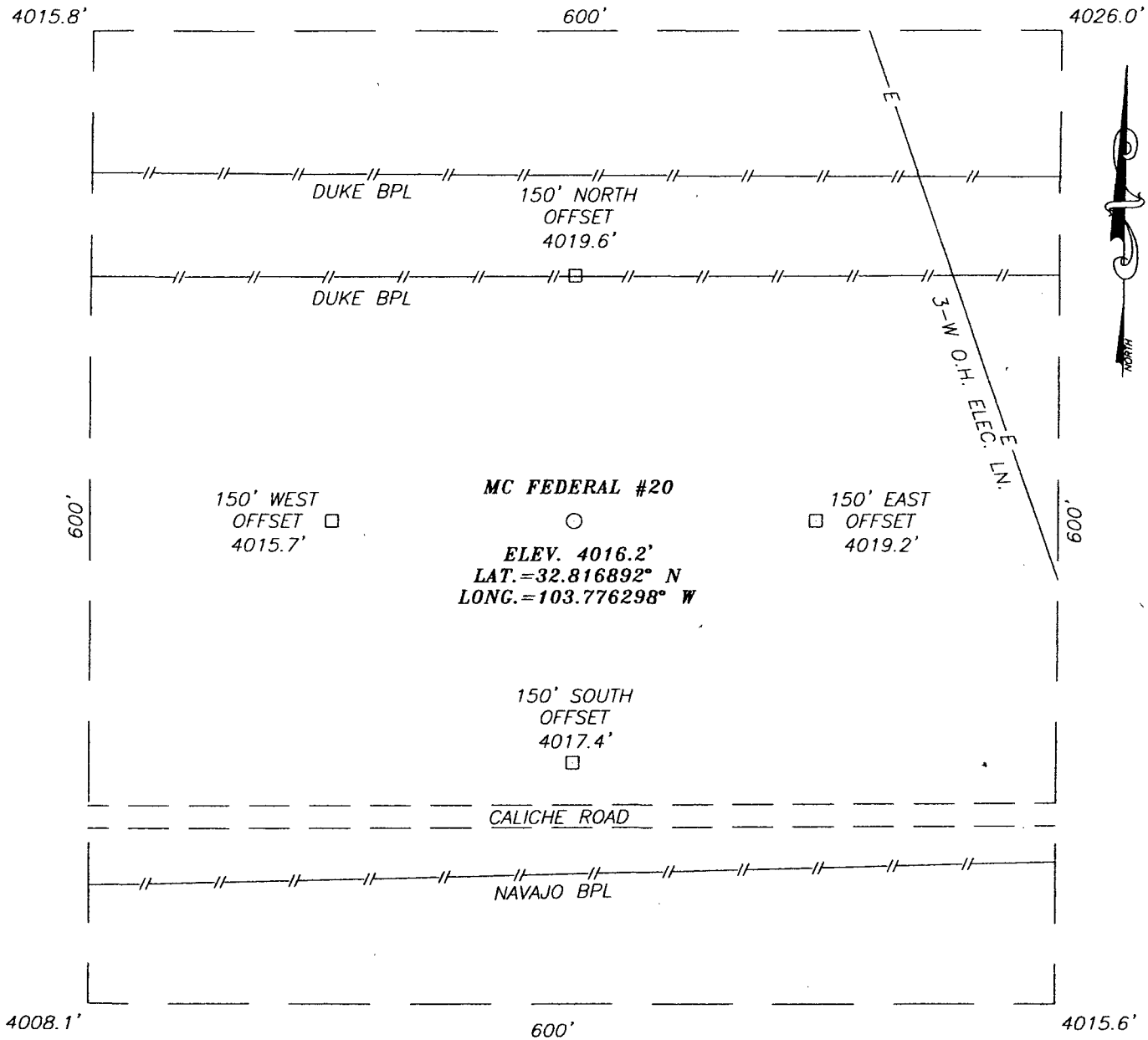
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

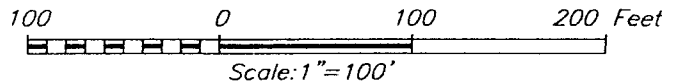
 GEODETIC COORDINATES NAD 27 NME Y=661347.4 N X=671130.6 E LAT.=32.816892° N LONG.=103.776298° W	OPERATOR CERTIFICATION <i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral 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>  Signature Date 11-9-07 Printed Name Phyllis A. Edwards Regulatory Analyst
	SURVEYOR CERTIFICATION <i>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.</i>  Date Surveyed Signature & Seal of Professional Surveyor Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239

SECTION 21, TOWNSHIP 17 SOUTH, RANGE 2 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

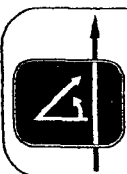
FROM THE INTERSECTION OF CO. RD. L-126
 (MALJAMAR ROAD) & CO. RD. L-126 (CONOCO
 PLANT ROAD), GO WEST ON CONOCO PLANT ROAD
 APPROX. 0.8 MILES. THIS LOCATION IS APPROX.
 175 FEET NORTH.



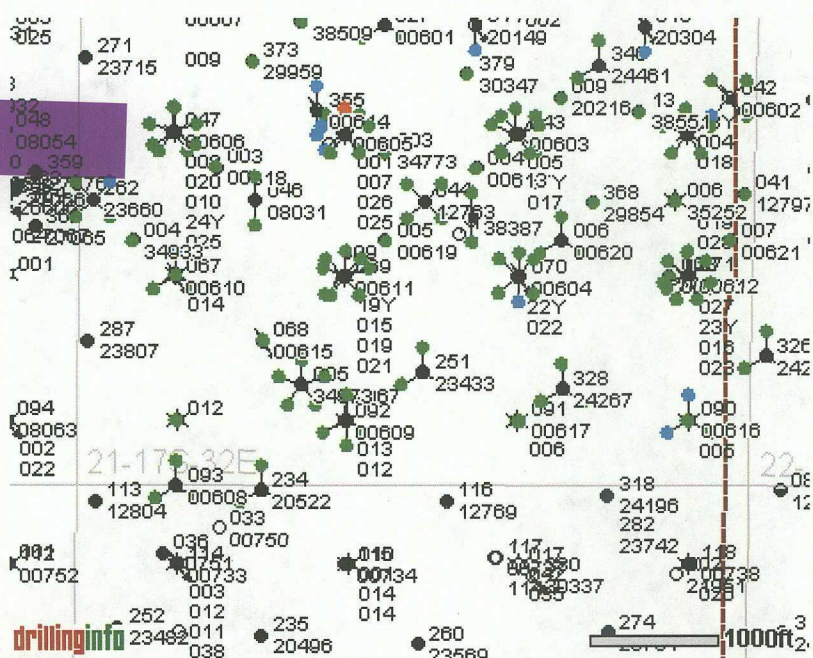
COG OPERATING, LLC

MC FEDERAL #20 WELL
 LOCATED 1500 FEET FROM THE SOUTH LINE
 AND 990 FEET FROM THE WEST LINE OF SECTION 21,
 TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

Survey Date: 10/31/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.1333	Dr By: LA
Date: 11/6/07	Rev 1:N/A
Disk:	07111333
Scale: 1"=100'	



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117



M C Federal 20 Offset Wells

API#	Operator	Lease	Well#	County	Legal	Last Prod. Field Name	Reservoir Name	Total Depth	Well Status
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E	Unknown (QUEEN)	QUEEN	6,010	Pumping
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E	Unknown (GRAYBURG-SAN ANDRES)	GRAYBURG-SAN ANDRES	6,010	Pumping
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E	Unknown (ABO)	ABO	6,010	Pumping
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E	Unknown (YATES)	YATES	6,010	Pumping
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	Dec 1992 MALJAMAR	GRAYBURG-SAN ANDRES		Pumping
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)			Pumping
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	Dec 1990 MALJAMAR	GRAYBURG-SAN ANDRES		Temporarily A
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	Dec 1973 MALJAMAR GRAYBURG SA REP (ABOLISHED)			Temporarily A
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	May 2007 MALJAMAR	GRAYBURG-SAN ANDRES		Pumping
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)			Pumping
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E	Jul 1965 MALJAMAR	GRAYBURG-SAN ANDRES	0	Injection Well
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP (ABOLISHED)		0	Injection Well
30-025-00605	CONOCOPHILLIPS COMPANY	MCA UNIT	045	LEA	S:21, T:17S, R:32E	Dec 1992 MALJAMAR	GRAYBURG-SAN ANDRES	4,106	Injection Well
	CONOCOPHILLIPS	MCA			S:21,				

30-025-00605	COMPANY	UNIT	045	LEA	T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,106	Injection Well
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pumping
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047	LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR GRAYBURG-SAN ANDRES	0	Pumping
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pumping
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093	LEA	S:21, T:17S, R:32E	Aug 2007	MALJAMAR GRAYBURG-SAN ANDRES	0	Pumping
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092	LEA	S:21, T:17S, R:32E	Aug 2007	MALJAMAR GRAYBURG-SAN ANDRES	0	Pumping
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pumping
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067	LEA	S:21, T:17S, R:32E		MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Injection Well
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067	LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR GRAYBURG-SAN ANDRES	0	Injection Well
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069	LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR GRAYBURG-SAN ANDRES	0	Pumping
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069	LEA	S:21, T:17S, R:32E		MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pumping
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071	LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR GRAYBURG-SAN ANDRES		Pumping
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		Pumping
30-025-00615	CONOCO, INC.	MCA UNIT	068	LEA	S:21, T:17S, R:32E	Nov 1963	MALJAMAR GRAYBURG-SAN ANDRES		Temporarily A
30-025-00616	CONOCO, INC.	MCA UNIT	090	LEA	S:21, T:17S, R:32E		MALJAMAR GRAYBURG SA REP(ABOLISHED)	0	Pumping
					S:21,				

30-025-00616	CONOCO, INC.	MCA UNIT	090 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-00618	CONOCOPHILLIPS COMPANY	BAISH A	003 LEA	S:21, T:17S, R:32E	Aug 2007 BAISH	YATES	Pumping
30-025-00619	CONOCOPHILLIPS COMPANY	BAISH A	005 LEA	S:21, T:17S, R:32E	May 2007 BAISH	YATES	Pumping
30-025-08031	CONOCOPHILLIPS COMPANY	MCA UNIT	046 LEA	S:21, T:17S, R:32E	Aug 2007 MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-12763	CONOCOPHILLIPS COMPANY	MCA UNIT	044 LEA	S:21, T:17S, R:32E	Aug 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-12797	CONOCO, INC.	MCA UNIT	041 LEA	S:21, T:17S, R:32E	Dec 1990 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-20522	CONOCOPHILLIPS COMPANY	MCA UNIT	234 LEA	S:21, T:17S, R:32E	May 2007 MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-23433	CONOCOPHILLIPS COMPANY	MCA UNIT	251 LEA	S:21, T:17S, R:32E	May 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-23660	CONOCO, INC.	MCA UNIT	262 LEA	S:21, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-24258	CONOCOPHILLIPS COMPANY	MCA UNIT	326 LEA	S:21, T:17S, R:32E	Aug 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-24267	CONOCOPHILLIPS COMPANY	MCA UNIT	328 LEA	S:21, T:17S, R:32E	Aug 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-24461	CONOCO, INC.	MCA UNIT	340 LEA	S:21, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Temporarily A
30-025-29854	CONOCOPHILLIPS COMPANY	MCA UNIT	368 LEA	S:21, T:17S, R:32E	May 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-29959	CONOCOPHILLIPS COMPANY	MCA UNIT	373 LEA	S:21, T:17S, R:32E	Aug 2002 MALJAMAR	GRAYBURG-SAN ANDRES	4,350 Pumping
30-025-30347	CONOCOPHILLIPS COMPANY	MCA UNIT	379 LEA	S:21, T:17S, R:32E	Feb 2007 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
				S:21,			

30-025-34773	CHEVRON USA, INC.	MC FEDERAL	003 LEA	T:17S, R:32E	May 2007	MALJAMAR	PADDOCK	5,952	Pumping
30-025-34933	CHEVRON USA, INC.	MC FEDERAL	004 LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR	PADDOCK	5,982	Pumping
30-025-34973	CHEVRON USA, INC.	MC FEDERAL	005 LEA	S:21, T:17S, R:32E	Jul 2003	MALJAMAR	PADDOCK	6,010	Pumping
30-025-35252	CHEVRON USA, INC.	MC FEDERAL	006 LEA	S:21, T:17S, R:32E	May 2007	MALJAMAR	DEVONIAN	15,026	Pumping
30-025-00622	CONOCO, INC.	BAISH A	008 LEA	S:21, T:17S, R:32E	Dec 1969	MALJAMAR	ABO		Active
30-025-00613	CONOCO, INC.	BAISH A	004 LEA	S:21, T:17S, R:32E	Apr 1970	BAISH	YATES		Active
30-025-00620	CONOCO, INC.	BAISH A	006 LEA	S:21, T:17S, R:32E	Nov 1969	BAISH	YATES		Active
30-025-00614	CONOCO, INC.	MCA UNIT	355 LEA	S:21, T:17S, R:32E		MALJAMAR	GRAYBURG-SAN ANDRES		Unknown
30-025-20304		BAISH A	010 LEA	S:21, T:17S, R:32E		BAISH	YATES		Unknown
30-025-20149		BAISH A	011 LEA	S:21, T:17S, R:32E		BAISH	YATES		Unknown
30-025-00606		MCA UNIT BATTERY 2	047 LEA	S:21, T:17S, R:32E	Dec 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0	Pumping
30-025-23660		MCA UNIT BATTERY 1	262 LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES		Pumping
30-025-23660		MCA UNIT BATTERY 1	262 LEA	S:21, T:17S, R:32E	Oct 1990	MALJAMAR	GRAYBURG-SAN ANDRES		Pumping
30-025-00606		MCA UNIT BATTERY 21	047 LEA	S:21, T:17S, R:32E		BAISH	YATES	0	Pumping
		MCA							

30-025-00605	UNIT BATTERY 2	045 LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,106	Injection Well
30-025-00605	MCA UNIT BATTERY 2	045 LEA	S:21, T:17S, R:32E	Jul 1965 MALJAMAR	GRAYBURG-SAN ANDRES	4,106	Injection Well
30-025-12763	MCA UNIT BATTERY 19	044 LEA	S:21, T:17S, R:32E	BAISH	YATES		Active
30-025-00000	BAISH A	001 LEA	S:21, T:17S, R:32E	Dec 1969 MALJAMAR	ABO		Active
30-025-00000	BAISH A	001 LEA	S:21, T:17S, R:32E	MALJAMAR	QUEEN (GAS)		Active
30-025-00614	MCA UNIT BATTERY 2	355 LEA	S:21, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES		Unknown
30-025-24461	MCA UNIT BATTERY 2	340 LEA	S:21, T:17S, R:32E	May 1991 MALJAMAR	GRAYBURG-SAN ANDRES		Temporarily A
30-025-24461	MCA UNIT BATTERY 2	340 LEA	S:21, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES		Temporarily A
30-025-00603	MCA UNIT BATTERY 20	043 LEA	S:21, T:17S, R:32E	BAISH	YATES		Pumping
30-025-20216	BAISH A	009 LEA	S:21, T:17S, R:32E	Dec 1967 BAISH	YATES		Active
30-025-00602	MCA UNIT BATTERY 2	042 LEA	S:21, T:17S, R:32E	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES		Temporarily A
30-025-00602	MCA UNIT BATTERY 2	042 LEA	S:21, T:17S, R:32E	Jul 1965 MALJAMAR	GRAYBURG-SAN ANDRES		Temporarily A
30-025-00000	BAISH A	027 LEA	S:21, T:17S, R:32E	Dec 1962 UND LEA	BOUGH, SOUTH		Active

30-025-00621	BAISHA	007	LEA	S:21, T:17S, R:32E	Dec 1971	BAISH	YATES	Active
30-025-00611	MCA UNIT BATTERY 2	069	LEA	S:21, T:17S, R:32E	Dec 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Pumping
30-025-20522	MCA UNIT BATTERY 2	234	LEA	S:21, T:17S, R:32E	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-20522	MCA UNIT BATTERY 2	234	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Pumping
30-025-23433	MCA UNIT BATTERY 2	251	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Pumping
30-025-23433	MCA UNIT BATTERY 2	251	LEA	S:21, T:17S, R:32E	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-24267	MCA UNIT BATTERY 2	328	LEA	S:21, T:17S, R:32E	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-24267	MCA UNIT BATTERY 2	328	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Pumping
30-025-00617	MCA UNIT BATTERY 2	091	LEA	S:21, T:17S, R:32E	Dec 1975	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-24258	MCA UNIT BATTERY 2	326	LEA	S:21, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Pumping
30-025-24258	MCA UNIT BATTERY 2	326	LEA	S:21, T:17S, R:32E	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-00601	CONTINENTAL OIL COMPANY	027	LEA	S:21, T:17S, R:32E	Dec 1971	MALMAJAR REPRESS		Pumping

30-025-00603	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	043 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	Pumping
30-025-12763	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	044 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	Active
30-025-12763	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	044 LEA	S:21, T:17S, R:32E	Dec 1968	MALJAMAR REPRESS	Active
30-025-08031	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	046 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	0 Pumping
30-025-00606	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	047 LEA	S:21, T:17S, R:32E	Dec 1968	MALJAMAR REPRESS	0 Pumping
30-025-00610	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	067 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	0 Injection Well
30-025-00611	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	069 LEA	S:21, T:17S, R:32E	Dec 1968	MALJAMAR REPRESS	0 Pumping
30-025-00616	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	090 LEA	S:21, T:17S, R:32E	Sep 1969	MALJAMAR REPRESS	0 Pumping
30-025-00609	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	092 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	0 Pumping
30-025-00608	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	093 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	0 Pumping
30-025-00000	BUFFALO OIL COMPANY	BAISH A	17Y LEA	S:21, T:17S, R:32E	Dec 1952	BAISH	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Dec 1957	BAISH	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	19Y LEA	S:21, T:17S, R:32E	Dec 1957	BAISH	Active

30-025-00000	BUFFALO OIL COMPANY	BAISH A	22Y LEA	S:21, T:17S, R:32E	Dec 1957	BAISH	WOLFCAMP, NORTH	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	23Y LEA	S:21, T:17S, R:32E	Dec 1957	BAISH	WOLFCAMP, NORTH	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	004 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSUR	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	012 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	013 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	014 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	015 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	016 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING		Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	020 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	005 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING		Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	006 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	17Y LEA	S:21, T:17S, R:32E	Oct 1953	BAISH POOL		Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Dec 1954	BAISH POOL		Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	Dec 1955	BAISH POOL		Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	19Y LEA	S:21, T:17S, R:32E	Dec 1955	BAISH POOL		Active

30-025-00000	BUFFALO OIL COMPANY	BAISH A	22Y LEA	S:21, T:17S, R:32E	Dec 1955	BAISH POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	23Y LEA	S:21, T:17S, R:32E	Dec 1955	BAISH POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	017 LEA	S:21, T:17S, R:32E	Dec 1950	BAISH POOL	Active
30-025-00000	BUFFALO OIL CO	BAISH A	018 LEA	S:21, T:17S, R:32E	Dec 1962	BAISH	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	019 LEA	S:21, T:17S, R:32E	Dec 1962	BAISH POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	005 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR	Active
30-025-00620	BUFFALO OIL COMPANY	BAISH A	006 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	007 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	021 LEA	S:21, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	Active
30-025-00000	BUFFALO OIL CO.	BAISH A	010 LEA	S:21, T:17S, R:32E	Dec 1949	MALJAMAR REPRESSURING	Active
30-025-00000	BUFFALO OIL CO.	BAISH A	012 LEA	S:21, T:17S, R:32E	Dec 1948	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	24Y LEA	S:21, T:17S, R:32E	Dec 1952	BAISH POOL	Active
30-025-23660	CONTINENTAL OIL CO	MCA UNIT BATTERY 2	262 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR GRAYBURG SA REPRES	Pumping
30-025-00612	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	071 LEA	S:21, T:17S, R:32E	Dec 1971	MALJAMAR GRAYBURG SA REPRES	Pumping
30-025-00000	BUFFALO OIL	BAISH A	025 LEA	S:21, T:17S,	May 1954	PLUGGED & ABANDONED	Active

[illegible]

Date: November 9, 2007

To: Phyllis Edwards

From: Thena Anderson

RE: Unorthodox Location – MC Federal #20
Section 21, T17S, R-32E
Lea County, New Mexico

Please be advised that ownership and operator are common between the spacing unit containing the unorthodox well (MC Federal #20 - Unit L) and the adjoining spacing unit (Unit M) with COG owning/operating rights under a Farmout Agreement from ConocoPhillips covering depths from below the base of the Grayburg/San Andres to top of the Wolfcamp. ConocoPhillips owns/operates the remaining depths.

These spacing units (covering W/2 SW/4 Section 21, T17S, R32E) are included in BLM lease LC-29509A which covers additional lands.