

4/30/08 DATE IN	SUSPENSE	Brooks ENGINEER	4/30/08 LOGGED IN	NSL TYPE	PKVR 0812160419 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
SC Federal # 221
5840

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

RECEIVED
 2008 APR 30 PM 3 37
Rufel
4/30

[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

4/29/08
 Date

pedwards@conchoresources.com
 e-mail Address

**J C Federal #21
Lea County, NM**

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

Location: 2385' FSL & 2358' FWL Sec 22, T17S, R32E, Unit K

**This well had to be drilled at a non-standard location
due to pipelines 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 J C Federal #9 (1650' FNL & 1650' FEL, Section 22, T17S, R32E, UL G)
which was completed in October 2007.

The J C Federal #9 completion has Yeso perms from 5478' – 6535', divided into
3 perf/stimulation intervals.

1st interval: 5478' – 5840',
acidized w/ 3000 gals,
frac'd w/ 42,294 gals 40# linear gel; 38,096 gal 30# linear gel; 7,382# LiteProp;
22,049# 16/30 white; 21,873# SiberProp resin coated; Flush w/5,292 gal linear
gel.

2nd interval: 6055' – 6255',
acidized w/ 5342 gals,
frac'd w/ 50,048# gal gel & 61,612 gals 16/30 sand.

3rd interval: 6335' – 6535',
acidized w/ 5000 gals,
frac'd w/ 49,601# gal gel & 45,586 gals 16/30 sand.

At this time, we assume the J C Federal #21 should be very similar.

Attachment 1

Plat & map

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing that COG owns the offset acreage.
The acreage we are encroaching is the SE / 4 of the NW / 4 of Section 22 &
NW / 4 of the SE / 4 of Section 22.
Interests are the same.

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

DISTRICT I
1025 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

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

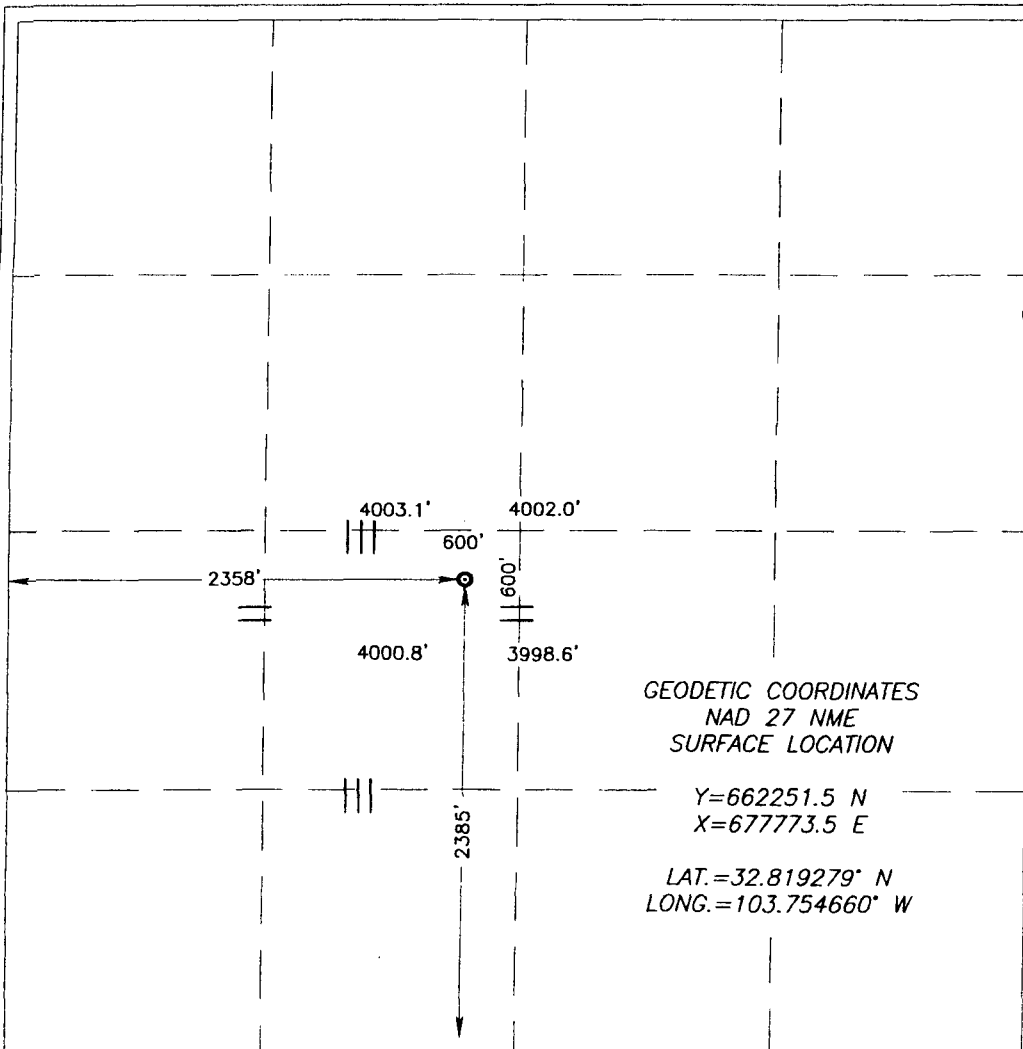
☐ AMENDED REPORT

API Number		Pool Code		Pool Name					
		44500		MALJAMAR; YESO, WEST					
Property Code		Property Name				Well Number			
302508		JC FEDERAL				21			
OGRID No.		Operator Name				Elevation			
		COG OPERATING, LLC				4002'			
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	22	17-S	32-E		2385	SOUTH	2358	WEST	LEA

Bottom Hole Location If Different From Surface

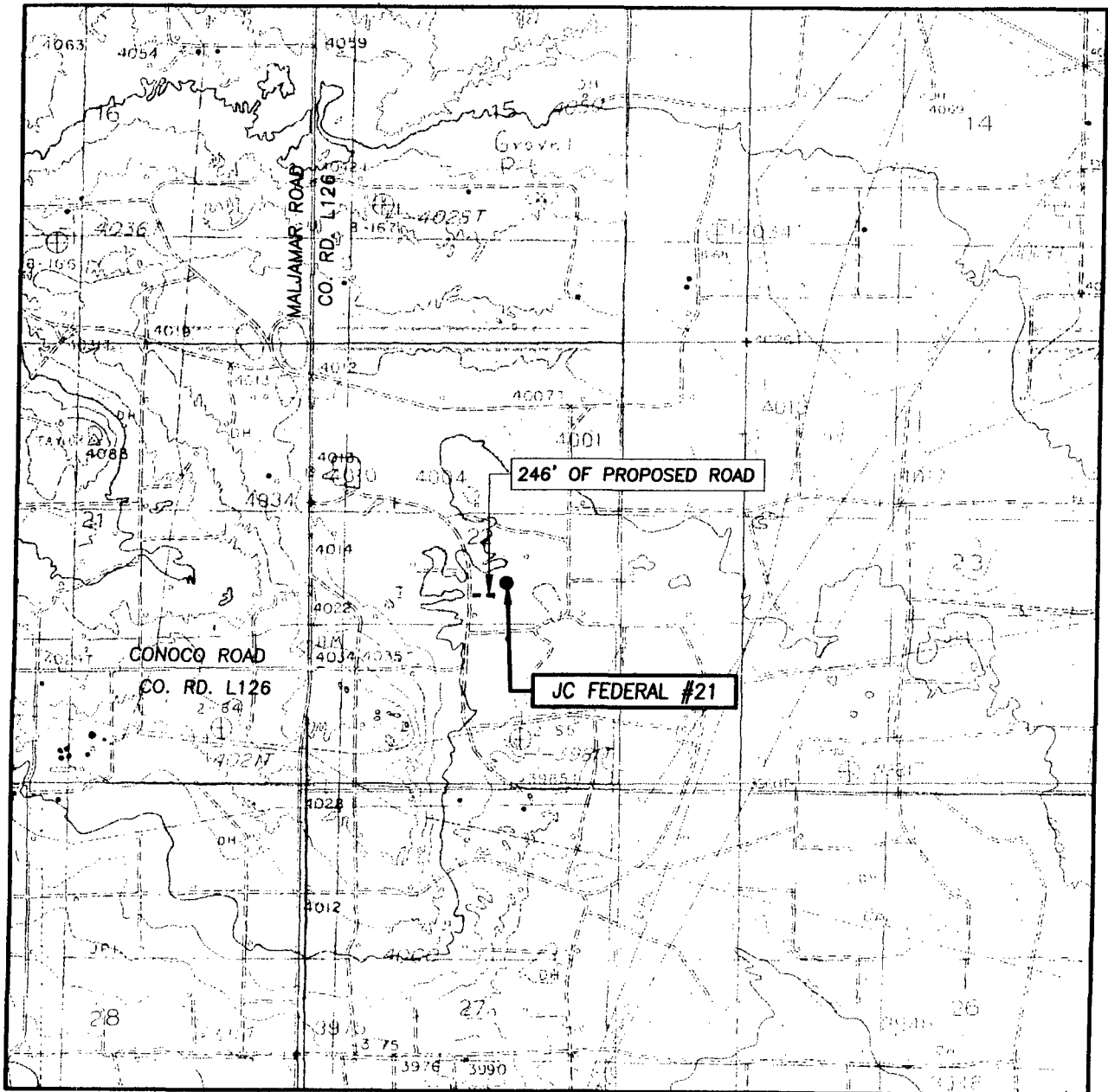
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres		Joint or Infill		Consolidation Code		Order No.			
40									

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



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.	
Signature	Date
Phyllis A. Edwards	4-24-08
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.	
Date Surveyed	
Signature & Seal of Professional Surveyor	
Certificate No. GARY C. EIDSON 12841 RONALD J. EIDSON 3239	

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:

MALJAMAR, N.M. - 10'

DOG LAKE, N.M. - 10'

SEC. 22 TWP. 17-S RGE. 32-E

SURVEY _____ N.M.P.M.

COUNTY LEA STATE NEW MEXICO

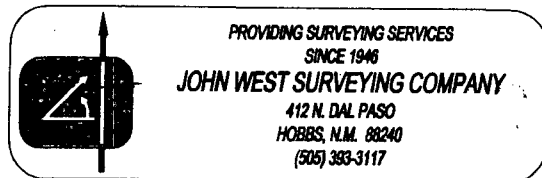
DESCRIPTION 2385' FSL & 2358' FWL

ELEVATION 4002'

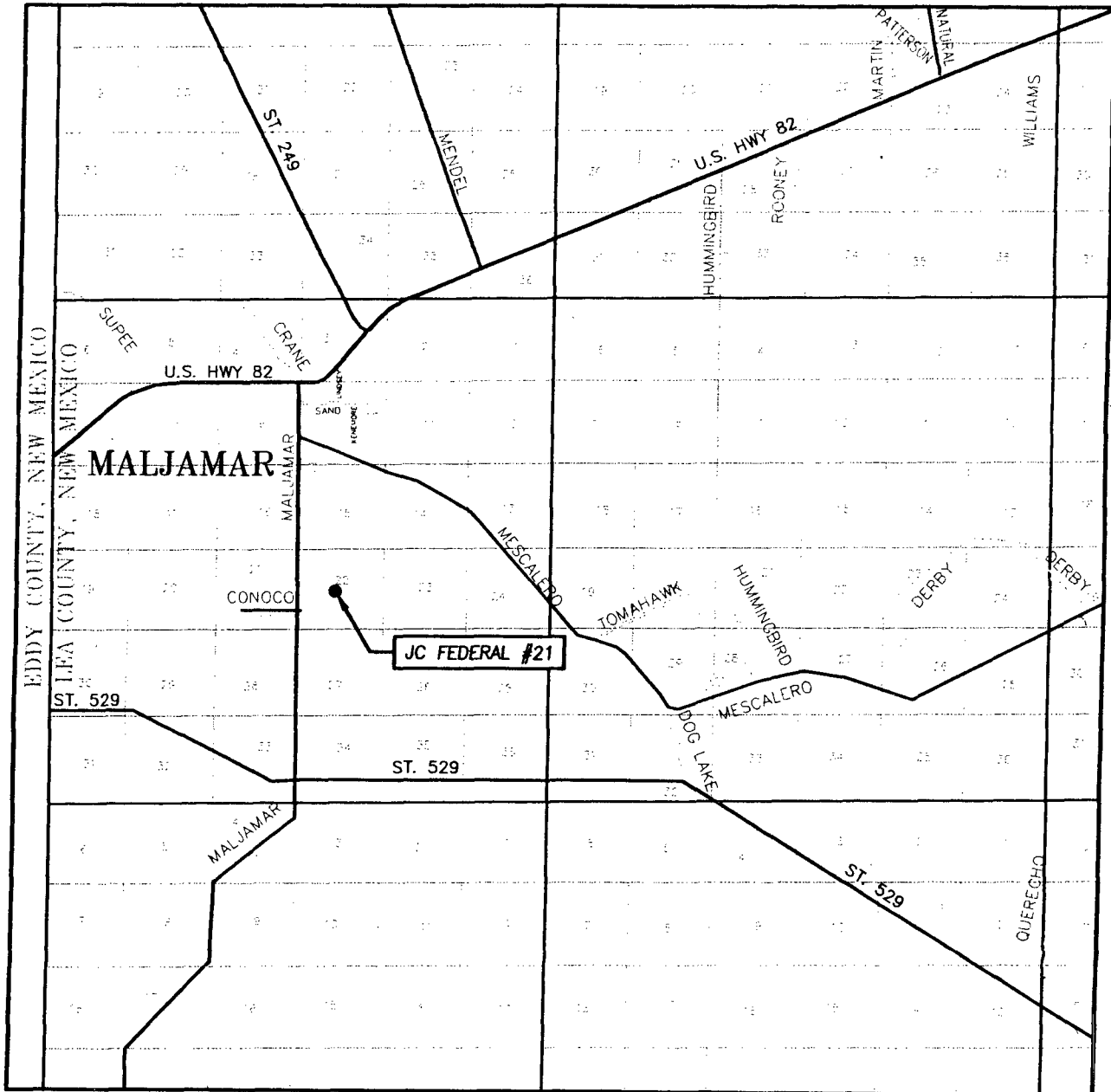
OPERATOR COG OPERATING, INC.

LEASE JC FEDERAL

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



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 22 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M.

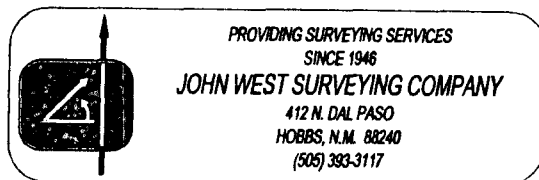
COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2385' FSL & 2358' FWL

ELEVATION 4002'

OPERATOR COG OPERATING, LLC

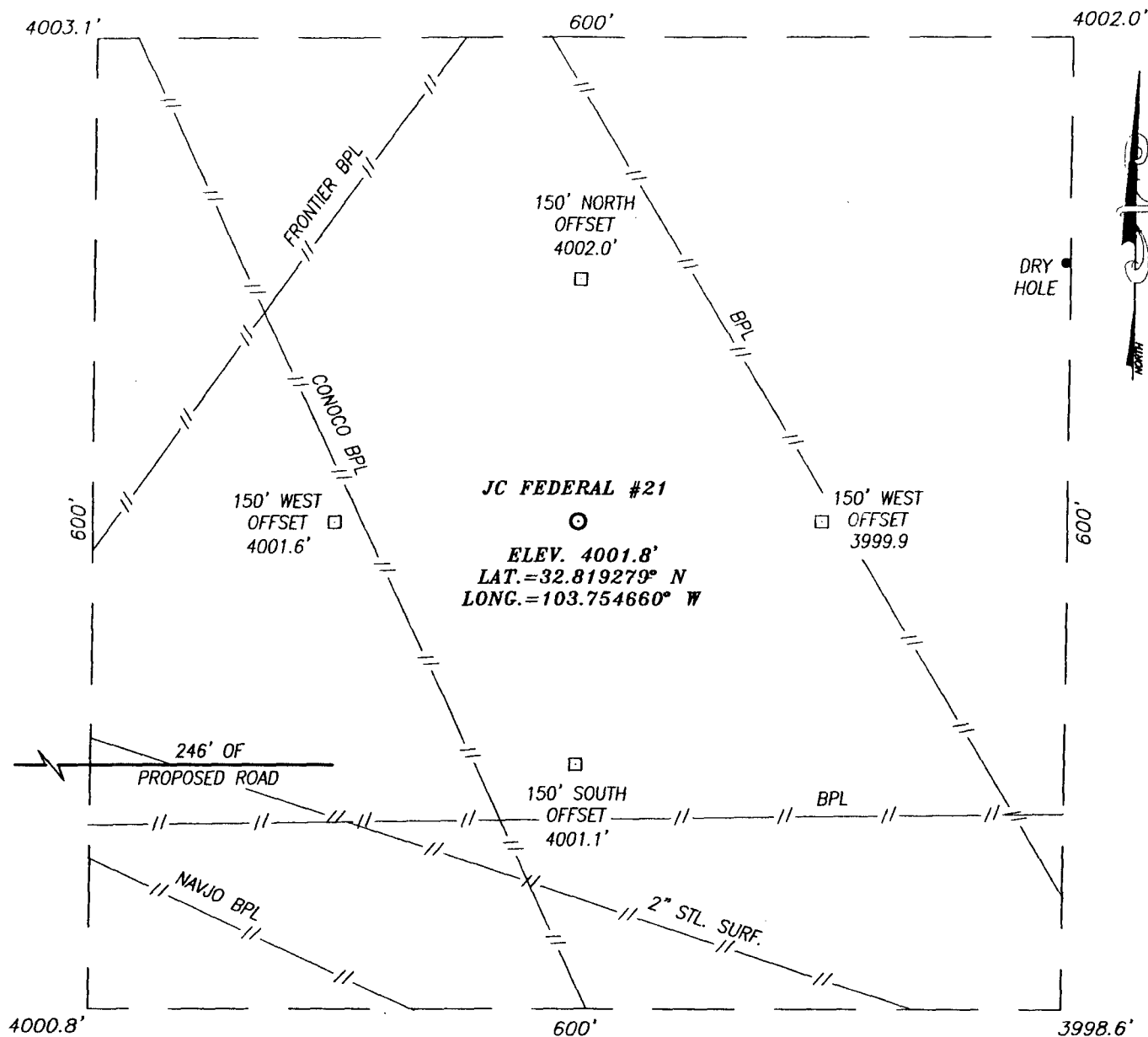
LEASE JC FEDERAL



SECTION 22, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.

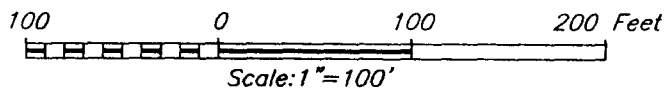
LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF COUNTY ROAD #L126 (MALJAMAR ROAD) AND COUNTY ROAD #L126 (CONOCO ROAD), GO NORTH ON MALJAMAR ROAD APPROX. 0.4 MILES. TURN RIGHT ON CALICHE LEASE ROAD AND GO EAST APPROX. 0.32 MILES. ROAD BENDS RIGHT (SOUTH) AND GO APPROX. 0.13 MILES. TURN LEFT AT A PROPOSED ROAD SURVEY AND GO EAST APPROX. 246 FEET TO THIS LOCATION.



COG OPERATING, LLC

JC FEDERAL #21 WELL
LOCATED 2385 FEET FROM THE SOUTH LINE
AND 2358 FEET FROM THE WEST LINE OF SECTION 22,
TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

Survey Date: 4/11/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.0062	Dr By: DSS
Date: 4/16/08	08.11.0062
	Scale: 1"=100'



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

J C Federal 21 Offset wells

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Depth W
30-025-34795	MACK ENERGY CORP	Unknown	002	LEA	S:22, T:17S, R:32E			Unknown (GRAYBURG-SAN ANDRES)	GRAYBURG-SAN ANDRES	Ar
30-025-00625	CONOCO, INC.	BAISH B	002	LEA	S:22, T:17S, R:32E	Apr 1966	Jan 1994	MALJAMAR	QUEEN (GAS)	Pi
30-025-00626	CONOCO, INC.	MCA UNIT	087	LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pi
30-025-00626	CONOCO, INC.	MCA UNIT	087	LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0 Pi
30-025-00627	CONOCOPHILLIPS COMPANY	MCA UNIT	074	LEA	S:22, T:17S, R:32E	Jan 2001	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0 In
30-025-00627	CONOCOPHILLIPS COMPANY	MCA UNIT	074	LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		0 In
30-025-00628	CONOCOPHILLIPS COMPANY	MCA UNIT	088	LEA	S:22, T:17S, R:32E	Jan 1973	Oct 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0 Pi
30-025-00628	CONOCOPHILLIPS COMPANY	MCA UNIT	088	LEA	S:22, T:17S, R:32E	Jan 1977	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0 Pi
30-025-00629	CONOCOPHILLIPS COMPANY	MCA UNIT	036	LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	Te
30-025-00629	CONOCOPHILLIPS COMPANY	MCA UNIT	036	LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		Te
30-025-00630	CONOCO, INC.	MCA UNIT	072	LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	0 In
30-025-00630	CONOCO, INC.	MCA UNIT	072	LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		0 In
30-025-00631	CONOCOPHILLIPS COMPANY	MCA UNIT	073	LEA	S:22, T:17S, R:32E	Jan 1977	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,112 Pi
	CONOCOPHILLIPS	MCA			S:22,					

30-025-00631	COMPANY	UNIT	073 LEA	T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,112 P _i
30-025-00635	CONOCO, INC.	MCA UNIT	040 LEA	S:22, T:17S, R:32E	Jan 1993	Jul 1996	MALJAMAR	GRAYBURG-SAN ANDRES P _i
30-025-00636	CONOCOPHILLIPS COMPANY	BAISH B	003 LEA	S:22, T:17S, R:32E	Jan 1963	Dec 1963	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,160 P _i
30-025-00636	CONOCOPHILLIPS COMPANY	BAISH B	003 LEA	S:22, T:17S, R:32E	Jan 1964	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,160 P _i
30-025-00639	CONOCOPHILLIPS COMPANY	MCA UNIT	084 LEA	S:22, T:17S, R:32E	Jan 2001	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,092 In _i
30-025-00639	CONOCOPHILLIPS COMPANY	MCA UNIT	084 LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,092 In _i
30-025-12711	CONOCOPHILLIPS COMPANY	MCA UNIT	075 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,000 P _i
30-025-12711	CONOCOPHILLIPS COMPANY	MCA UNIT	075 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	4,000 P _i
30-025-12795	CONOCOPHILLIPS COMPANY	MCA UNIT	086 LEA	S:22, T:17S, R:32E	May 1971	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,099 P _i
30-025-12796	CONOCO, INC.	MCA UNIT	089 LEA	S:22, T:17S, R:32E	Jan 1970	Aug 1996	MALJAMAR	GRAYBURG-SAN ANDRES 0 SI
30-025-20647	CONOCO, INC.	MC FEDERAL	013 LEA	S:22, T:17S, R:32E	Jan 1970	Nov 1990	MALJAMAR	ABO 9,958 T _e
30-025-20647	CONOCO, INC.	MC FEDERAL	013 LEA	S:22, T:17S, R:32E	Dec 1964	Oct 1990	BAISH	WOLFCAMP 9,958 T _e
30-025-20647	COG OPERATING LLC	MC FEDERAL	013 LEA	S:22, T:17S, R:32E	Jan 1969	Dec 2007	MALJAMAR	PADDOCK 9,958 T _e
30-025-24109	CONOCOPHILLIPS COMPANY	MCA UNIT	312 LEA	S:22, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,250 A _i
30-025-24183	CONOCOPHILLIPS COMPANY	MCA UNIT	316 LEA	S:22, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES 4,200 P _i
				S:22,				

30-025-24236	CONOCOPHILLIPS COMPANY	MCA UNIT	325 LEA	T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,175 P ₁
30-025-24274	CONOCOPHILLIPS COMPANY	MCA UNIT	327 LEA	S:22, T:17S, R:32E	Apr 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,200 P ₁
30-025-24376	CONOCOPHILLIPS COMPANY	MCA UNIT	338 LEA	S:22, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,150 P ₁
30-025-24462	CONOCOPHILLIPS COMPANY	MCA UNIT	341 LEA	S:22, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,150 P ₁
30-025-24499	CONOCOPHILLIPS COMPANY	MCA UNIT	345 LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,122 T ₁
30-025-30116	CONOCO, INC.	MCA UNIT	378 LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,200 P ₁
30-025-30363	CONOCOPHILLIPS COMPANY	BAISH A	014 LEA	S:22, T:17S, R:32E	Jan 1989	Dec 2007	MALJAMAR	ABO	12,504 P ₁
30-025-30363	CONOCOPHILLIPS COMPANY	BAISH A	014 LEA	S:22, T:17S, R:32E	Oct 1988	Dec 2007	BAISH	WOLFCAMP	12,504 P ₁
30-025-30731	CONOCOPHILLIPS COMPANY	MCA UNIT	385 LEA	S:22, T:17S, R:32E	Jan 1990	Aug 2005	MALJAMAR	GRAYBURG-SAN ANDRES	4,420 P ₁
30-025-34647	COG OPERATING LLC	MC FEDERAL COM	001 LEA	S:22, T:17S, R:32E	Oct 1999	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	14,912 P ₁
30-025-34772	COG OPERATING LLC	J C FEDERAL	002 LEA	S:22, T:17S, R:32E	Feb 2000	Dec 2007	MALJAMAR	PADDOCK	5,950 P ₁
30-025-35989	COG OPERATING LLC	MC FEDERAL	008 LEA	S:22, T:17S, R:32E	Feb 2003	Dec 2007	MALJAMAR	PADDOCK	6,918 A ₁
30-025-00632	CONOCOPHILLIPS COMPANY	MCA UNIT	039 LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	A ₁
30-025-00633		MCA UNIT	037 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		99,999 P ₁
30-025-00633	CONOCO, INC.	MCA UNIT	037 LEA	S:22, T:17S, R:32E	Jan 1977	Mar 2002	MALJAMAR	GRAYBURG-SAN ANDRES	99,999 P ₁
				S:22,					

30-025-00623	CONOCO, INC.	BAISH A	002 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	A _t
30-025-00634	CONOCO, INC.	BAISH B	005 LEA	S:22, T:17S, R:32E	Jan 1963 Dec 1969 MALJAMAR	DEVONIAN	13,400 A _t
30-025-00638	CONOCO, INC.	BAISH B	004 LEA	S:22, T:17S, R:32E	Jan 1963 Dec 1971 MALJAMAR	GRAYBURG-SAN ANDRES	A _t
30-025-00637	CONOCO, INC.	BAISH B	001 LEA	S:22, T:17S, R:32E	Jan 1963 Oct 1971 BAISH	WOLFCAMP	13,657 A _t
30-025-12780	CONOCO, INC.	MCA UNIT	038 LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	A _t
30-025-00000		BAISH B	014 LEA	S:22, T:17S, R:32E	Jan 1962 Apr 1962 MALJAMAR	STRAWN	A _t
30-025-00624		MCA UNIT BATTERY 2	030 LEA	S:22, T:17S, R:32E	Jan 1963 Sep 1970 MALJAMAR	GRAYBURG-SAN ANDRES	A _t
30-025-00624		MCA UNIT BATTERY 2	030 LEA	S:22, T:17S, R:32E	Jan 1969 Sep 1970 MALJAMAR GB SA (DO NOT USE)	GRAYBURG-SAN ANDRES	A _t
30-025-00624		MCA UNIT BATTERY 2	030 LEA	S:22, T:17S, R:32E	Jan 1970 Sep 1970 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	A _t
30-025-00635		MCA UNIT BATTERY 2	040 LEA	S:22, T:17S, R:32E	Jan 1963 Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	P _t
30-025-00635		MCA UNIT BATTERY 2	040 LEA	S:22, T:17S, R:32E	Jan 1970 Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	P _t
30-025-00635		MCA UNIT BATTERY 20	040 LEA	S:22, T:17S, R:32E	BAISH	YATES	P _t
30-025-00632		MCA UNIT BATTERY 2	039 LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	A _t
		MCA		S:22,			

30-025-00632	UNIT BATTERY 2	039 LEA	T:17S, R:32E	Nov 1974	Nov 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	At
30-025-00000	BAISH B	017 LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	Pl
30-025-24109	MCA UNIT BATTERY 2	312 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	At 4,250
30-025-24109	MCA UNIT BATTERY 2	312 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	At 4,250
30-025-24236	MCA UNIT BATTERY 2	325 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Pl 4,175
30-025-24236	MCA UNIT BATTERY 2	325 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	Pl 4,175
30-025-24499	MCA UNIT BATTERY 2	345 LEA	S:22, T:17S, R:32E	Oct 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Tt 4,122
30-025-24499	MCA UNIT BATTERY 2	345 LEA	S:22, T:17S, R:32E	Jan 1977	Jun 1986	MALJAMAR	GRAYBURG-SAN ANDRES	Tt 4,122
30-025-30116	MCA UNIT BATTERY 2	378 LEA	S:22, T:17S, R:32E	Jan 1988	Jun 1990	MALJAMAR	GRAYBURG-SAN ANDRES	Pl 4,200
30-025-24376	MCA UNIT BATTERY 2	338 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	Pl 4,150
30-025-24376	MCA UNIT BATTERY 2	338 LEA	S:22, T:17S, R:32E	Apr 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	Pl 4,150
30-025-12796	MCA UNIT BATTERY 2	089 LEA	S:22, T:17S, R:32E	Jan 1970	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	SI 0
	MCA							

30-025-12796	UNIT BATTERY 2	089 LEA	S:22, T:17S, R:32E	Apr 1969	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	0	SI
30-025-24183	MCA UNIT BATTERY 2	316 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,200	PI
30-025-24183	MCA UNIT BATTERY 2	316 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,200	PI
30-025-00626	MCA UNIT BATTERY 2	087 LEA	S:22, T:17S, R:32E	Jan 1967	Dec 1967	MALJAMAR	GRAYBURG-SAN ANDRES	0	PI
30-025-00626	MCA UNIT BATTERY 2	087 LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0	PI
30-025-24274	MCA UNIT BATTERY 2	327 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,200	PI
30-025-24274	MCA UNIT BATTERY 2	327 LEA	S:22, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,200	PI
30-025-00640	MCA UNIT BATTERY 3	085 LEA	S:22, T:17S, R:32E	Jan 1963	Jul 1989	MALJAMAR	GRAYBURG-SAN ANDRES	4,026	AI
30-025-24462	MCA UNIT BATTERY 2	341 LEA	S:22, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,150	PI
30-025-24462	MCA UNIT BATTERY 2	341 LEA	S:22, T:17S, R:32E	Aug 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,150	PI
30-025-35988	COG OPERATING LLC	J C FEDERAL	S:22, T:17S, R:32E	Dec 2003	Dec 2007	MALJAMAR	PADDOCK	5,946	AI
30-025-20647	CONTINENTAL OIL COMPANY	BAISH A	S:22, T:17S, R:32E	Dec 1964	Dec 1969	MALJAMAR ABO		9,958	TI
	CONTINENTAL	MCA UNIT	S:22,						

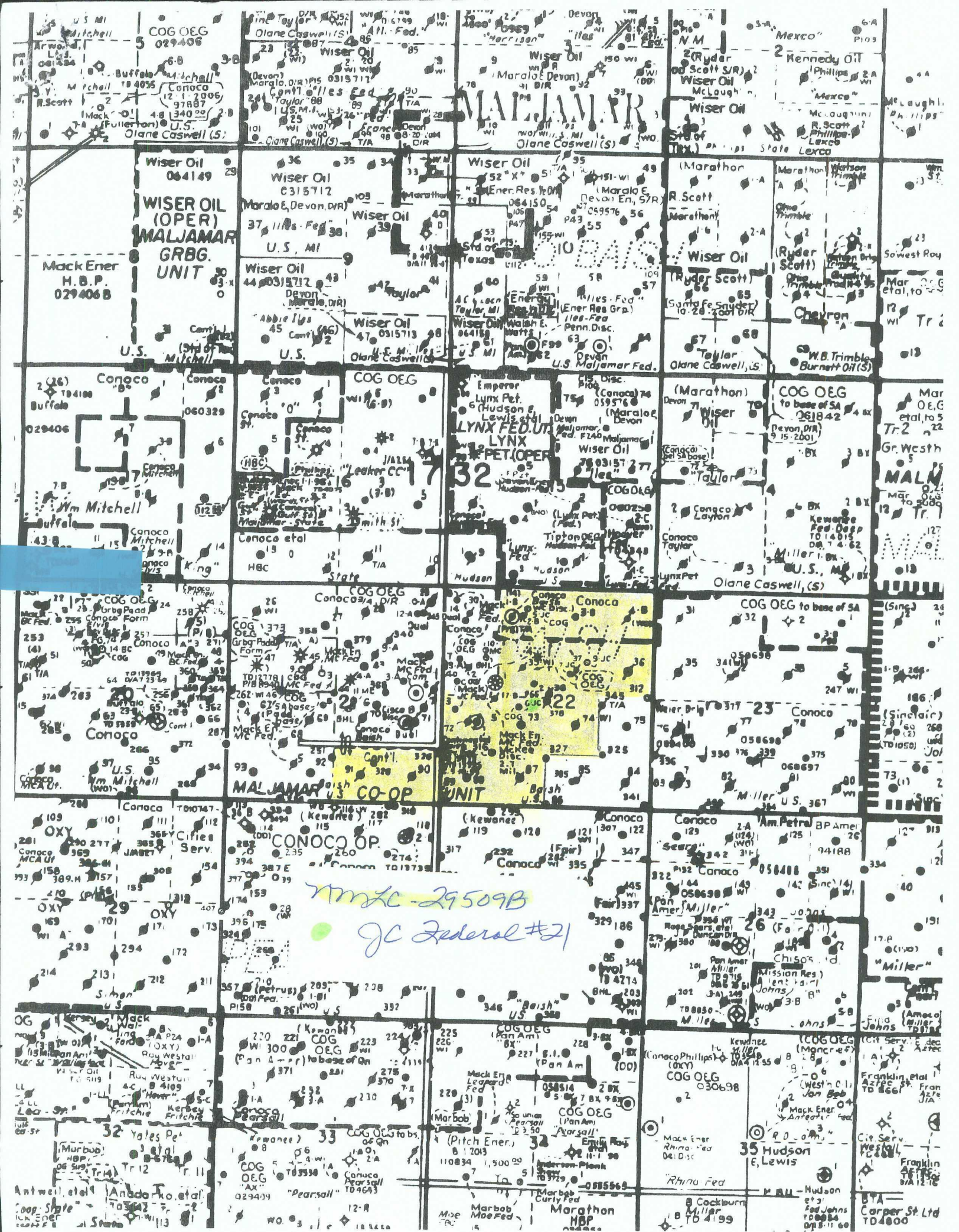
30-025-00629	OIL COMPANY	BATTERY 3	036 LEA	T-17S, R-32E	Jan 1963	Jun 1968	MALJAMAR REPRESS	T-17S, R-32E	0	In
30-025-00633	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	037 LEA	S-22, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S-22, T-17S, R-32E	99,999	Pi
30-025-00632	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	039 LEA	S-22, T-17S, R-32E	Jan 1963	May 1968	MALJAMAR REPRESS	S-22, T-17S, R-32E	0	In
30-025-00630	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	072 LEA	S-22, T-17S, R-32E	Jan 1963	Jan 1969	MALJAMAR REPRESS	S-22, T-17S, R-32E	0	In
30-025-00631	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	073 LEA	S-22, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S-22, T-17S, R-32E	4,112	Pi
30-025-00627	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	074 LEA	S-22, T-17S, R-32E	Jan 1963	Aug 1968	MALJAMAR REPRESS	S-22, T-17S, R-32E	0	In
30-025-12711	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	075 LEA	S-22, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S-22, T-17S, R-32E	4,000	Pi
30-025-00639	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	084 LEA	S-22, T-17S, R-32E	Jan 1963	Jan 1969	MALJAMAR REPRESS	S-22, T-17S, R-32E	4,092	In
30-025-00626	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	087 LEA	S-22, T-17S, R-32E	Jan 1963	May 1968	MALJAMAR REPRESS	S-22, T-17S, R-32E	0	Pi
30-025-00628	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	088 LEA	S-22, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S-22, T-17S, R-32E	0	Pi
30-025-00637	CONTINENTAL OIL COMPANY	BAISH B	001 LEA	S-22, T-17S, R-32E	Jan 1964	Dec 1967	MAGRUDER YATES	S-22, T-17S, R-32E	13,657	Ar
30-025-00000	BUFFALO	BAISH B	012 LEA	S-22, T-17S, R-32E	Feb 1952	Dec 1962	MALJAMAR	S-22, T-17S, R-32E	0	Pi
30-025-00000	BUFFALO OIL COMPANY	BAISH A	011 LEA	S-22, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	S-22, T-17S, R-32E	0	Pi

GRAYBURG-SAN ANDRES

30-025-00000	BUFFALO OIL COMPANY	BAISH B	002 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH B	003 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO IOL COMPANY	BAISH B	004 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFAALO OIL COMPANY	BAISH B	007 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BUIISH B	008 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH B	009 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH B	010 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH B	011 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	FAIR,N.N. & F. BAISH	BAISH	001 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	FAIR, N. N. & F. BAISH	BAISH	004 LEA	S:22, T:17S, R:32E	Nov 1946	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	FAIR, N. N. & F. BAISH	BAISH	005 LEA	S:22, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL CO.	BAISH A	010 LEA	S:22, T:17S, R:32E	Jan 1945	Feb 1956	MALJAMAR REPRESSURING POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH A	24Y LEA	S:22, T:17S, R:32E	Jan 1953	Dec 1955	BAISH POOL	At
30-025-00000	BUFFALO OIL COMPANY	BAISH A	024 LEA	S:22, T:17S, R:32E	Feb 1956	Dec 1962	MALJAMAR REPRESSURING	At
30-025-00000	BUFFALO OIL COMPANY	BAISH B	004 LEA	S:22, T:17S, R:32E	Jan 1951	Dec 1955	MALJAMAR REPRESSURING POOL	At

30-025-00637	BUFFALO OIL COMPANY	BAISH B	001 LEA	S:22, T:17S, R:32E	Jan 1948	Oct 1971	MALJAMAR	GRAYBURG-SAN ANDRES	13,657	A _t
30-025-00000	BUFFALO OIL CO.	BAISH	012 LEA	S:22, T:17S, R:32E	Jan 1947	Dec 1947	MALJAMAR AREA			A _t
30-025-00000	BUFFALO OIL CO.	BAISH B	004 LEA	S:22, T:17S, R:32E	Jan 1948	Dec 1948	MALJAMAR REPRESSURING POOL			A _t
30-025-12780	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	038 LEA	S:22, T:17S, R:32E	Mar 1971	Dec 1971	MALJAMAR GRAYBURG SA REPRES			A _t
30-025-12795	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	086 LEA	S:22, T:17S, R:32E	May 1971	Dec 1971	MALJAMAR GRAYBURG SA REPRES		4,099	P _t
30-025-12796	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	089 LEA	S:22, T:17S, R:32E	Jan 1971	Dec 1971	MALJAMAR GRAYBURG SA REPRES		0	SI
30-025-00000	CONTINENTAL OIL CO	BAISH B FED	013 LEA	S:22, T:17S, R:32E	Jan 1960	Dec 1962	MALJ REPRESS GRAYBURG SAN ANDRES			A _t
30-025-00000	CONTINENTAL OIL CO	BAISH B FED	015 LEA	S:22, T:17S, R:32E	Jun 1960	Dec 1962	MALJ REPRESS GRAYBURG SAN ANDRES			A _t
30-025-00000	CITIES SERVICE PETROLEUM CO.	BAISH B FED.	014 LEA	S:22, T:17S, R:32E	Jun 1960	Dec 1960	LEA UNDESIGNATED	GROUP 2		A _t
30-025-00000	CONTINENTAL OIL CO HOBBS DIST	BAISH B FEDERAL	014 LEA	S:22, T:17S, R:32E	May 1962	Dec 1962	BAISH WOLFCAMP			A _t
30-025-20647	CONTINENTAL OIL CO	BAISH A	013 LEA	S:22, T:17S, R:32E	Jan 1967	Oct 1967	BAISH WOLFCAMP		9,958	T _t
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	Mar 2006	Oct 2006	BAISH	WOLFCAMP	10,200	A _t
30-025-00000	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	075 LEA	S:22, T:17S, R:32E			MALJAMAR GRAYBURG SAN ANDRES RPRES			U _i
30-025-37964	COG OPERATING LLC	J C FEDERAL	5 LEA	S:22, T:17S, R:32E			BAISH	WOLFCAMP	7,100	A _t

30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S:22, T:17S, R:32E	Apr 2007	May 2007	MALJAMAR	PADDOCK	7,000 A _t
30-025-38261	COG OPERATING LLC	J C FEDERAL	9 LEA	S:22, T:17S, R:32E	Oct 2007	Nov 2007	MALJAMAR	PADDOCK	7,000 A _t
30-025-37656	COG OPERATING LLC	JC FEDERAL	4 LEA	S:22, T:17S, R:32E			BAISH-WLFCP & MALJAMAR ABO		10,200 A _t
30-025-37656	COG OPERATING LLC	JC FEDERAL	4 LEA	S:22, T:17S, R:32E			MALJAMAR; PADDOCK		10,200 A _t
30-025-37656	COG OPERATING LLC	JC FEDERAL	4 LEA	S:22, T:17S, R:32E			BAISH WOLFCAMP		10,200 A _t
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	Jul 2006	Aug 2006	MALJAMAR	ABO	10,200 A _t
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	Aug 2006	Dec 2007	MALJAMAR	PADDOCK	10,200 A _t
30-025-37964	COG OPERATING LLC	J C FEDERAL	5 LEA	S:22, T:17S, R:32E			MALJAMAR; PADDOCK 44500		7,100 A _t
30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S:22, T:17S, R:32E			WILDCAT YESO		7,000 A _t
30-025-37964	COG OPERATING LLC	J C FEDERAL	5 LEA	S:22, T:17S, R:32E	Dec 2006	Dec 2007	MALJAMAR	PADDOCK	7,100 A _t
30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S:22, T:17S, R:32E	Apr 2007	Dec 2007	WILDCAT G-02 S173222E	YESO	7,000 A _t
30-025-00640	STEVENS OPERATING CORPORATION	PRE- ONGARD WELL	085 LEA	S:22, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,026 A _t
30-025-38261	COG OPERATING LLC	J C FEDERAL	9 LEA	S:22, T:17S, R:32E	Dec 2007	Dec 2007	WILDCAT G-02 S173222E	YESO	7,000 A _t



Date: April 28, 2008

To: Phyllis Edwards

From: Thena Anderson

RE: Unorthodox Location – JC Federal #21
Section 22, T17S, R32E
Lea County, New Mexico

Please be advised that ownership, as to the proposed Yeso formation in the referenced well, is common between the spacing unit containing the unorthodox well (JC Federal #21 - Unit K) and the adjoining spacing units (Units F and J) with COG and ConocoPhillips owning and COG operating the depths from below base of Grayburg/San Andres to top of the Wolfcamp. These spacing units are included in BLM lease LC-29509B which covers additional lands (see attached plat).

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

Brooks, David K., EMNRD

From: Phyllis Edwards [PEdwards@conchoresources.com]
Sent: Monday, June 02, 2008 11:38 AM
To: Brooks, David K., EMNRD
Subject: RE: JC Federal #21

Dear Mr. Brooks,

I checked with our land department & was advised that the ownership of SW/4 NE/4 (Unit G) in the Yeso is identical with the other identified units.

I am sorry for the oversight.

Thanks for your help !!!

Phyllis Edwards

Regulatory Analyst



COG Operating LLC

Fasken Tower II

550 W. Texas Avenue, Suite 1300

Midland, TX 79701

432-685-4340 P

432-685-4399 F

pedwards@conchoresources.com

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Friday, May 30, 2008 6:41 PM
To: Phyllis Edwards
Subject: JC Federal #21

Dear Ms. Edwards

I am looking at the non-standard location application for the subject well.

You state that it encroaches towards the SE/4 NW/4 and the NW/4 SE/4 of Section 22, and that ownership of those units is identical with the subject unit.

It seems, however, that this location also encroaches towards the SW/4 NE/4 of Section 22.]

Please confirm if ownership of the SW/4 NE/4 is also identical with that of the subject unit. Otherwise notice to owners in the SW/4 NE/4 would be required.

Thanks
David K. Brooks
Legal Examiner

6/3/2008