

10/29/08 DATE IN	SUSPENSE	Brooks ENGINEER	10/30/08 LOGGED IN	NSL TYPE	PKVR0830440008 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
BC Federal #38
5970

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 _____

RECEIVED
2008 OCT 29 PM 2 34

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or [X] Does Not Apply INTERESTS ARE THE SAME

[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.

ROBYN M. ODOM
Print or Type Name

Robyn Odom
Signature

AGENT
Title

10/28/08
Date

rodom@conchoresources.com
e-mail Address

**B C Federal #38
Lea County, NM**

COG proposes to drill a **VERTICAL** NW /4, 40 acre spacing
Maljamar; Yeso, West oil well
TD of approximately 6800'

Location: 1450' FNL & 990' FWL Sec 19, T17S, R32E, Unit E

**This well had to be drilled at a non-standard location
due to 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 B C Federal #12 (330' FNL & 1750' FWL, Section 19, UL C) which was
completed in July 2006.

B C Federal #12 has perms from: 5806.5' – 6709.5' overall, but broken up into 3
separate intervals, with 3 separate fracs

1st interval: 6589' – 6709.5',
acidized w/ 2500 gals,
frac'd w/ 97,940 gals gel, 8,000 # LiteProp, 90,060# 16/30 sand.

2nd interval: 6249' – 6505',
acidized w/ 3000 gals,
frac'd w/ 75,000# gal gel, 8012# LiteProp, & 90,460 gals 16/30 sand.

3rd interval: 5806.5' – 6162',
acidized w/ 1600 gals,
frac'd w/ 75,000# gal gel, 8000# LiteProp, & 90,520 gals 16/30 sand.

At this time, we assume the B C Federal #38 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 NW / 4 of the NW / 4 of Section 19.
Interests are the same.

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

**B C Federal #37
Lea County, NM**

COG proposes to drill a **VERTICAL** NW /4, 40 acre spacing
Maljamar; Yeso, West oil well
TD of approximately 6800'

Location: 760' FNL & 250' FWL Sec 19, T17S, R32E, Unit D

**This well had to be drilled at a non-standard location
due to 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 B C Federal #12 (330' FNL & 1750' FWL, Section 19, UL C) which was
completed in July 2006.

B C Federal #12 has perms from: 5806.5' – 6709.5' overall, but broken up into 3
separate intervals, with 3 separate fracs

1st interval: 6589' – 6709.5',
acidized w/ 2500 gals,
frac'd w/ 97,940 gals gel, 8,000 # LiteProp, 90,060# 16/30 sand.

2nd interval: 6249' – 6505',
acidized w/ 3000 gals,
frac'd w/ 75,000# gal gel, 8012# LiteProp, & 90,460 gals 16/30 sand.

3rd interval: 5806.5' – 6162',
acidized w/ 1600 gals,
frac'd w/ 75,000# gal gel, 8000# LiteProp, & 90,520 gals 16/30 sand.

At this time, we assume the B C Federal #34 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 NE / 4 of Section 24.
Interests are the same.

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

DISTRICT I
1625 N. FRENCH DR., HOHBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

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 30-025-	Pool Code 44500	Pool Name MALAJAMAR; YESO, WEST
Property Code 302456	Property Name BC FEDERAL	Well Number 38
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3940'

Surface Location

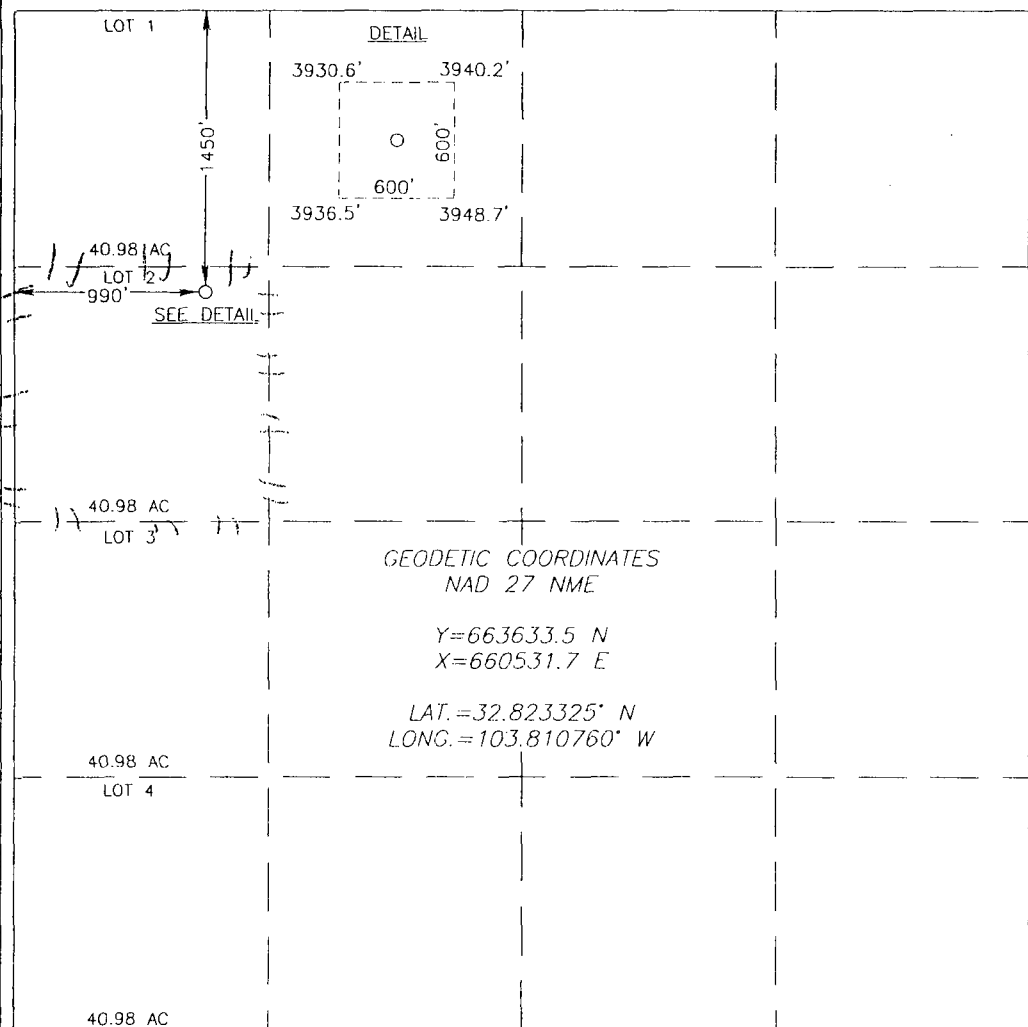
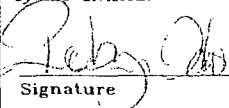
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	19	17-S	32-E	1450	NORTH	990	WEST	LEA

Bottom Hole Location If Different From Surface

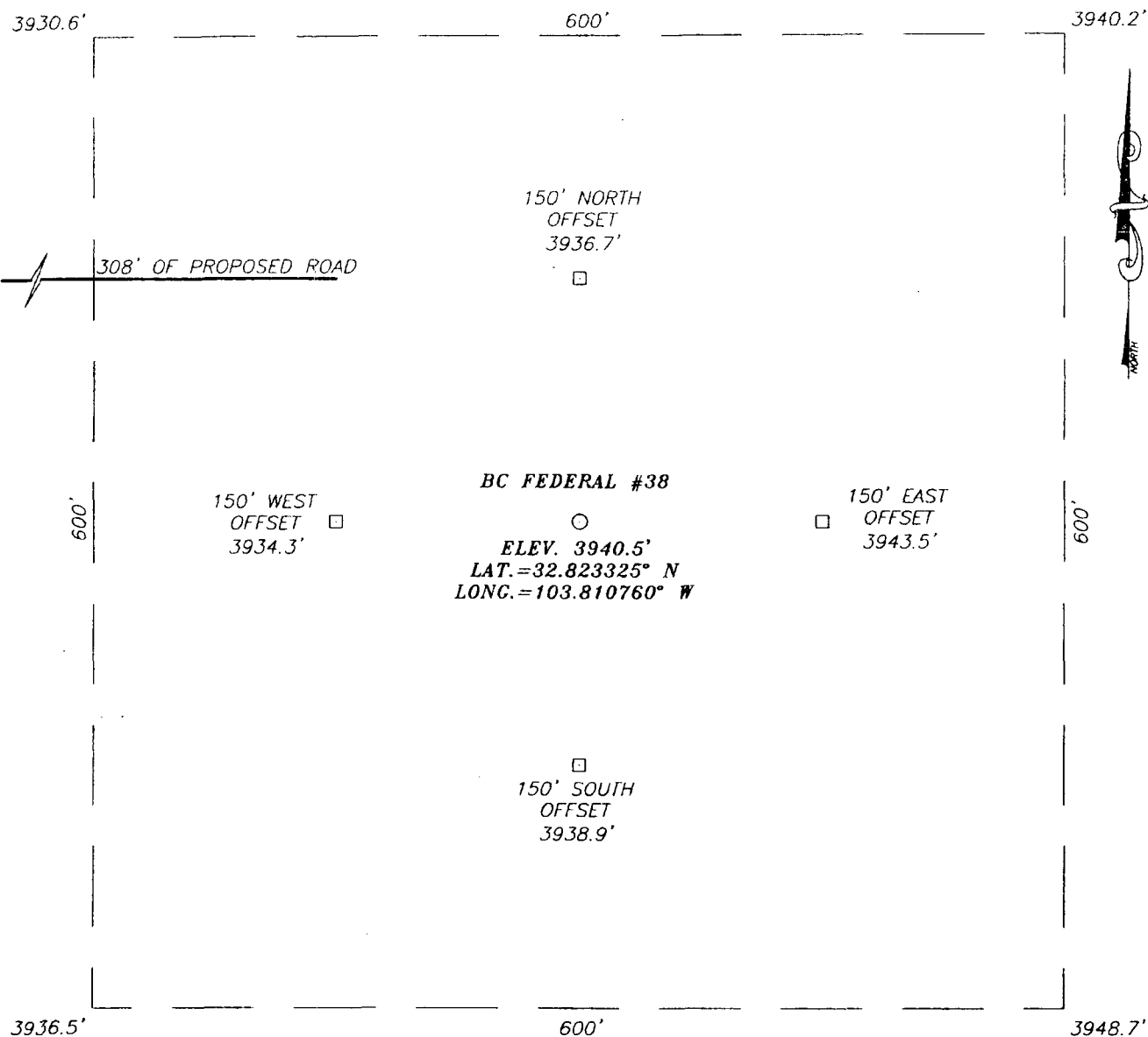
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE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

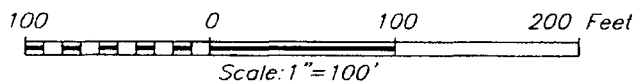
 LOT 1 40.98 AC LOT 2 40.98 AC LOT 3 40.98 AC LOT 4 DETAIL 3930.6' 3940.2' 3936.5' 3948.7' 600' 600' 990' 1450' SEE DETAIL GEODETIC COORDINATES NAD 27 NME Y=663633.5 N X=660531.7 E LAT.=32.823325° N LONG.=103.810760° W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete 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.  10/28/2008 Signature Date Robyn Odom Printed Name 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 2008 Date Surveyed Signature of Seal of Professional Surveyor 3239 10/24/08 108-1-1518 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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SECTION 19, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. 82 AND CO. RD. #224 (RIPPLE RD.), GO SOUTHEAST ON CO. RD. #224 APPROX. 0.9 MILES. TURN LEFT AND GO EAST ON LEASE ROAD APPROX. 0.5 MILES. VEER RIGHT AND GO SOUTHEAST APPROX. 0.15 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY APPROX. 480 FEET EAST TO THIS LOCATION.



COG OPERATING, LLC

BC FEDERAL #38 WELL
 LOCATED 1450 FEET FROM THE NORTH LINE
 AND 990 FEET FROM THE WEST LINE OF SECTION 19,
 TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

Survey Date: 10/21/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.1518	Dr By: AR
Date: 10/23/08	Disk: 08111518
	Rev 1:N/A
	Scale: 1"=100'

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

Offset Wells to B C Federal 38

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total TD Depth	Source	Well Status
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S-19, T-17S, R-32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Permit	Pumping
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S-19, T-17S, R-32E	Jan 1966	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Pumping
30-025-08029	CONOCOPHILLIPS COMPANY	MCA UNIT	020	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES			Temporarily Abandoned
30-025-08029	CONOCOPHILLIPS COMPANY	MCA UNIT	020	LEA	S-19, T-17S, R-32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)				Temporarily Abandoned
30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S-19, T-17S, R-32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Permit	Pumping
30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S-19, T-17S, R-32E	Jan 1970	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Pumping
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S-19, T-17S, R-32E	Jan 1977	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES			Pumping
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S-19, T-17S, R-32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)				Pumping
30-025-08035	CONOCOPHILLIPS COMPANY	MCA UNIT	060	LEA	S-19, T-17S, R-32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	3,970	WellLog	Shut-in
30-025-08036	CONOCO, INC.	MCA UNIT	018	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,002	WellLog	Injection Well
30-025-08037	CONOCO, INC.	MCA UNIT	052	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Pumping
30-025-08037	CONOCO, INC.	MCA UNIT	052	LEA	S-19, T-17S, R-32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	Permit	Pumping
30-025-08038	CONOCOPHILLIPS COMPANY	MCA UNIT	053	LEA	S-19, T-17S, R-32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)				Temporarily Abandoned
30-025-08038	CONOCOPHILLIPS COMPANY	MCA UNIT	053	LEA	S-19, T-17S, R-32E	Sep 1977	Nov 1997	MALJAMAR	GRAYBURG-SAN ANDRES			Temporarily Abandoned
30-025-08039	CONOCOPHILLIPS COMPANY	MCA UNIT	054	LEA	S-19, T-17S, R-32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)				Temporarily Abandoned
30-025-08039	CONOCOPHILLIPS COMPANY	MCA UNIT	054	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES			Temporarily Abandoned
	CONOCOPHILLIPS				S-19,							

30-025-08040	COMPANY	MCA UNIT	055	LEA	T:17S, R:32E	Jan 1993	Feb 1994	MALJAMAR	GRAYBURG-SAN ANDRES	0	Plugging	Pumping
30-025-08041	CONOCOPHILLIPS COMPANY	MCA UNIT	100	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES			Injection Well
30-025-08041	CONOCOPHILLIPS COMPANY	MCA UNIT	100	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)				Injection Well
30-025-08042	CONOCOPHILLIPS COMPANY	MCA UNIT	059	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,984	WellLog	Injection Well
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E	Jan 1977	Nov 1993	MALJAMAR	GRAYBURG-SAN ANDRES			Pumping
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)				Pumping
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	Jan 1977	Aug 2002	MALJAMAR	GRAYBURG-SAN ANDRES	3,974	WellLog	Temporarily Abandoned
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		3,974	WellLog	Temporarily Abandoned
30-025-08046	CONOCOPHILLIPS COMPANY	MCA UNIT	056	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,984	WellLog	Temporarily Abandoned
30-025-08047	CONOCOPHILLIPS COMPANY	MCA UNIT	103	LEA	S:19, T:17S, R:32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Pumping
30-025-12579	CONOCOPHILLIPS COMPANY	MCA UNIT	102	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES			Injection Well
30-025-12579	CONOCOPHILLIPS COMPANY	MCA UNIT	102	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)				Injection Well
30-025-12764	CONOCOPHILLIPS COMPANY	MCA UNIT	099	LEA	S:19, T:17S, R:32E	Jul 1969	Dec 1990	MALJAMAR	GRAYBURG-SAN ANDRES			Temporarily Abandoned
30-025-23673	CONOCOPHILLIPS COMPANY	MCA UNIT	264	LEA	S:19, T:17S, R:32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Active
30-025-23732	CONOCOPHILLIPS COMPANY	MCA UNIT	276	LEA	S:19, T:17S, R:32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,025	WellLog	Pumping
30-025-23739	CONOCO, INC.	MCA UNIT	279	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,050	WellLog	Pumping
30-025-23743	CONOCOPHILLIPS COMPANY	MCA UNIT	283	LEA	S:19, T:17S, R:32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,075	Completion	Pumping
30-025-23745	CONOCOPHILLIPS COMPANY	MCA UNIT	285	LEA	S:19, T:17S, R:32E	Jan 1993	Jul 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,060	WellLog	Pumping
					S:19,							

30-025-23825	CONOCOPHILLIPS COMPANY	MCA UNIT	298 LEA	T-17S, R-32E	MALJAMAR	GRAYBURG-SAN ANDRES	4,082	WellLog	Injection Well
30-025-23836	CONOCOPHILLIPS COMPANY	MCA UNIT	291 LEA	S-19, T-17S, R-32E	MALJAMAR	GRAYBURG-SAN ANDRES	4,070	WellLog	Injection Well
30-025-23848	CONOCOPHILLIPS COMPANY	MCA UNIT	286 LEA	S-19, T-17S, R-32E	Jan 1993 Jul 2008 MALJAMAR	GRAYBURG-SAN ANDRES	4,070	WellLog	Pumping
30-025-24214	CONOCOPHILLIPS COMPANY	MCA UNIT	320 LEA	S-19, T-17S, R-32E	Jan 1993 Jul 2008 MALJAMAR	GRAYBURG-SAN ANDRES	4,050	WellLog	Pumping
30-025-35481	MACK ENERGY CORP	BC FEDERAL	406 LEA	S-19, T-17S, R-32E	Jun 2001 Jan 2007 MALJAMAR PADDOCK		5,600	Completion	Pumping
30-025-35652	COG OPERATING LLC	BC FEDERAL	6 LEA	S-19, T-17S, R-32E	Nov 2001 Jul 2008 MALJAMAR	PADDOCK	7,562	Completion	Pumping
30-025-35814	COG OPERATING LLC	GC FEDERAL	001 LEA	S-19, T-17S, R-32E	Apr 2002 Jul 2008 MALJAMAR	PADDOCK	7,085	Completion	Pumping
30-025-35935	COG OPERATING LLC	GC FEDERAL	004 LEA	S-19, T-17S, R-32E	Nov 2002 Jul 2008 MALJAMAR	PADDOCK	6,280	Completion	Active
30-025-22247	CONOCO, INC.	MCA UNIT	242 LEA	S-19, T-17S, R-32E		GRAYBURG-SAN ANDRES	3,920	WellLog	Unknown
30-025-08036		MCA UNIT BATTERY 1	018 LEA	S-19, T-17S, R-32E	Jan 1967 Oct 1967 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,002	WellLog	Injection Well
30-025-08036		MCA UNIT BATTERY 1	018 LEA	S-19, T-17S, R-32E	Jan 1963 Dec 1966 MALJAMAR	GRAYBURG-SAN ANDRES	4,002	WellLog	Injection Well
30-025-08040		MCA UNIT BATTERY 1	055 LEA	S-19, T-17S, R-32E	Jan 1967 Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	0	Plugging	Pumping
30-025-08040		MCA UNIT BATTERY 1	055 LEA	S-19, T-17S, R-32E	Jan 1963 Dec 1992 MALJAMAR	GRAYBURG-SAN ANDRES	0	Plugging	Pumping
30-025-23825		MCA UNIT BATTERY 1	298 LEA	S-19, T-17S, R-32E	Jul 1971 Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,082	WellLog	Injection Well
30-025-23825		MCA UNIT BATTERY 1	298 LEA	S-19, T-17S, R-32E	Jan 1977 Mar 1981 MALJAMAR	GRAYBURG-SAN ANDRES	4,082	WellLog	Injection Well
30-025-24095		MCA UNIT BATTERY 1	309 LEA	S-19, T-17S, R-32E		GRAYBURG-SAN ANDRES			Active
30-025-08032		MCA UNIT BATTERY 1	259 LEA	S-19, T-17S, R-32E	Jun 1970 May 1973 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES			Pumping
30-025-08032		MCA UNIT BATTERY 1	259 LEA	S-19, T-17S, R-32E	May 1989 Jun 1989 MALJAMAR	GRAYBURG-SAN ANDRES			Pumping
		MCA UNIT		S-19,					

30-025-23673	BATTERY 1	264 LEA	T:17S, R:32E	Feb 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Permit	Active
30-025-23673	MCA UNIT BATTERY 1	264 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	0 Permit	Active
30-025-23743	MCA UNIT BATTERY 1	283 LEA	S:19, T:17S, R:32E	May 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,075 Completion	Pumping
30-025-23743	MCA UNIT BATTERY 1	283 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,075 Completion	Pumping
30-025-00000	MITCHELL B	014 LEA	S:19, T:17S, R:32E			MALJAMAR	PADDOCK		PreOngard
30-025-08042	MCA UNIT BATTERY 1	059 LEA	S:19, T:17S, R:32E	Jan 1967	May 1968	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	3,984 WellLog	Injection Well
30-025-08042	MCA UNIT BATTERY 1	059 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1966	MALJAMAR	GRAYBURG-SAN ANDRES	3,984 WellLog	Injection Well
30-025-23745	MCA UNIT BATTERY 1	285 LEA	S:19, T:17S, R:32E	May 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,060 WellLog	Pumping
30-025-23745	MCA UNIT BATTERY 1	285 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,060 WellLog	Pumping
30-025-12770	MCA UNIT BATTERY 1	058 LEA	S:19, T:17S, R:32E	Jan 1970	Dec 1971	MALJAMAR	GRAYBURG-SAN ANDRES		Active
30-025-08046	MCA UNIT BATTERY 1	056 LEA	S:19, T:17S, R:32E	Jan 1963	Oct 1974	MALJAMAR	GRAYBURG-SAN ANDRES	3,984 WellLog	Temporarily Abandoned
30-025-08046	MCA UNIT BATTERY 1	056 LEA	S:19, T:17S, R:32E	Jan 1969	Oct 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	3,984 WellLog	Temporarily Abandoned
30-025-23836	MCA UNIT BATTERY 1	291 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,070 WellLog	Injection Well
30-025-23836	MCA UNIT BATTERY 1	291 LEA	S:19, T:17S, R:32E	Aug 1971	Dec 1975	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,070 WellLog	Injection Well
30-025-24214	MCA UNIT BATTERY 1	320 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,050 WellLog	Pumping
30-025-24214	MCA UNIT BATTERY 1	320 LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,050 WellLog	Pumping
30-025-22247	MCA UNIT BATTERY 1	242 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,920 WellLog	Unknown
30-025-08047	MCA UNIT BATTERY 1	103 LEA	S:19, T:17S, R:32E	Jan 1967	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0 Permit	Pumping
	MCA UNIT		S:19,						

30-025-08047	BATTERY 1	103	LEA	T-17S, R-32E	Jan 1963	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	0	Permit	Pumping
30-025-23848	MCA UNIT BATTERY 1	286	LEA	S-19, T-17S, R-32E	Sep 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,070	WellLog	Pumping
30-025-23848	MCA UNIT BATTERY 1	286	LEA	S-19, T-17S, R-32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,070	WellLog	Pumping
30-025-12764	MCA UNIT BATTERY 1	099	LEA	S-19, T-17S, R-32E	Jan 1970	Nov 1973	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES			Temporarily Abandoned
30-025-12764	MCA UNIT BATTERY 1	099	LEA	S-19, T-17S, R-32E	Jan 1989	Feb 1990	MALJAMAR	GRAYBURG-SAN ANDRES			Temporarily Abandoned
30-025-23739	MCA UNIT BATTERY 1	279	LEA	S-19, T-17S, R-32E	Jan 1977	Jun 1991	MALJAMAR	GRAYBURG-SAN ANDRES	4,050	WellLog	Pumping
30-025-23739	MCA UNIT BATTERY 1	279	LEA	S-19, T-17S, R-32E	Apr 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,050	WellLog	Pumping
30-025-23732	MCA UNIT BATTERY 1	276	LEA	S-19, T-17S, R-32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,025	WellLog	Pumping
30-025-23732	MCA UNIT BATTERY 1	276	LEA	S-19, T-17S, R-32E	Apr 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,025	WellLog	Pumping
30-025-12770	CONOCO, INC.	058	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES			Active
30-025-08034	CONOCO, INC.	272	LEA	S-19, T-17S, R-32E			MALJAMAR	GRAYBURG-SAN ANDRES	5,362	WellLog	Active
30-025-35813	COG OPERATING LLC	07	LEA	S-19, T-17S, R-32E	Mar 2004	Jul 2008	MALJAMAR	PADDOCK	6,620	Completion	Active
30-025-36769	COG OPERATING LLC	009	LEA	S-19, T-17S, R-32E	Sep 2004	Jul 2008	MALJAMAR	PADDOCK	6,005	Completion	Active
30-025-36999	COG OPERATING LLC	05	LEA	S-19, T-17S, R-32E	Feb 2005	Jul 2008	MALJAMAR	PADDOCK	7,220	Completion	Active
30-025-08028	CONTINENTAL OIL COMPANY 1	019	LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS		0	Permit	Pumping
30-025-08029	CONTINENTAL OIL COMPANY 1	020	LEA	S-19, T-17S, R-32E	Jan 1963	Jul 1968	MALJAMAR REPRESS				Temporarily Abandoned
30-025-08037	CONTINENTAL OIL COMPANY 1	052	LEA	S-19, T-17S, R-32E	Jan 1963	Jul 1969	MALJAMAR REPRESS		0	Permit	Pumping
30-025-08038	CONTINENTAL OIL COMPANY 1	053	LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS				Temporarily Abandoned
	MCA UNIT			S-19,							

30-025-08039	CONTINENTAL OIL COMPANY	BATTERY 1	054 LEA	T-17S, R-32E	Jan 1963	Jul 1969	MALJAMAR REPRESS			Temporarily Abandoned
30-025-08044	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	057 LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	3,974	WellLog	Temporarily Abandoned
30-025-08035	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	060 LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	3,970	WellLog	Shut-in
30-025-08041	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	100 LEA	S-19, T-17S, R-32E	Jan 1963	Jul 1969	MALJAMAR REPRESS			Injection Well
30-025-08043	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	101 LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1971	MALJAMAR REPRESS			Pumping
30-025-12579	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	102 LEA	S-19, T-17S, R-32E	Jan 1963	Mar 1968	MALJAMAR REPRESS			Injection Well
30-025-08030	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	021 LEA	S-19, T-17S, R-32E	Jan 1963	Dec 1969	MALJAMAR REPRESS	0	Permit	Pumping
30-025-00000	BUFFALO	MITCHELL B	019 LEA	S-19, T-17S, R-32E	Jan 1953	Dec 1953	MALJAMAR			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	005 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	009 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	010 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	011 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	012 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	013 LEA	S-19, T-17S, R-32E	Oct 1948	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	014 LEA	S-19, T-17S, R-32E	Aug 1946	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	015 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active
30-025-00000	BUFFALO CONT'D.	MITCHELL B	009 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING P OOL			Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	010 LEA	S-19, T-17S, R-32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL			Active

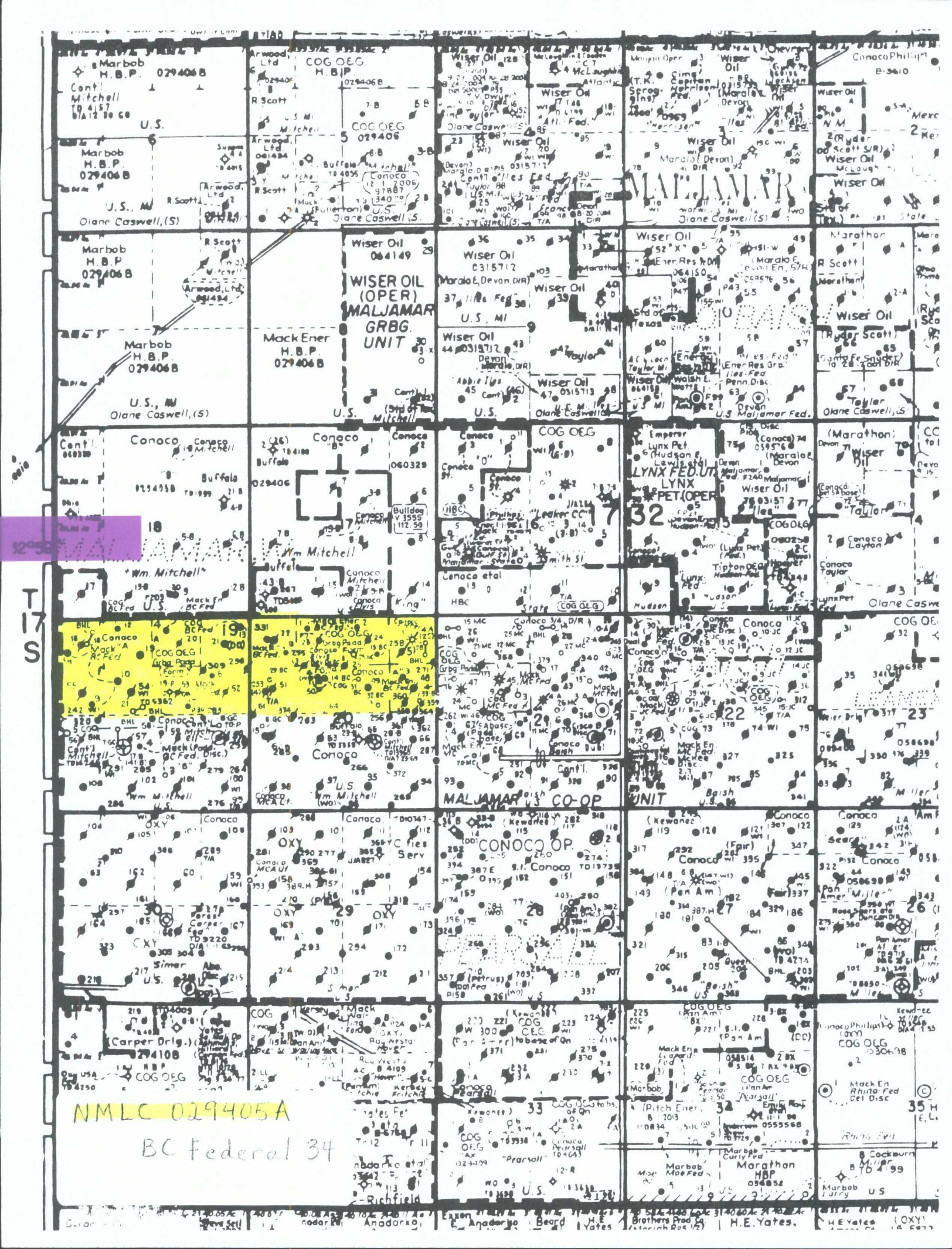
GRAYBURG-SAN ANDRES

30-025-00000	BUFFALO- CONT'D.	MITCHEL B	011	LEA	T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL				Active
30-025-00000	BUFFALO- CONT'D.	MICHELL B	012	LEA	S:19, T:17S, R:32E	Dec 1946	Dec 1962	MALJAMAR REPRESSURING POOL				Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	013	LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL				Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	015	LEA	S:19, T:17S, R:32E	Jan 1946	Dec 1962	MALJAMAR REPRESSURING POOL				Active
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	016	LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL				Active
30-025-00000	BUFFALO OIL CO.	MITCHELL B	014	LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING				Active
30-025-00000	BUFFALO OIL COMPANY	MITCHELL B	020	LEA	S:19, T:17S, R:32E	Jan 1952	Nov 1958	MALJAMAR-PADDOCK				Active
30-025-00000	BUFFALO OIL COMPANY	MITCHELL	20P	LEA	S:19, T:17S, R:32E	Jan 1951	Dec 1955	MALJAMAR PADDOCK POOL				Active
30-025-00000	BUFFALO OIL CO.	MITCHELL A	016	LEA	S:19, T:17S, R:32E	Jan 1946	Dec 1946	MALJAMAR REPRESSURING OIL				Active
30-025-00000	BUFFALO OIL CO.	MITCHELL B	017	LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1945	MALJAMAR REPRESS.				Active
30-025-00000	BUFFALO OIL CO.	MITCHELL B	018	LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1945	MALJAMAR REPRESS.				Active
30-025-08030	CONTINENTAL OIL CO	MCA UNIT BATTERY 1	021	LEA	S:19, T:17S, R:32E	Jan 1971	Dec 1971	MALJAMAR GRAYBURG SA REPRES		0	Permit	Pumping
30-025-37021	MACK ENERGY CORP	BC FEDERAL	10	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	6,710	Completion	Active Permit
30-025-37021	COG OPERATING LLC	BC FEDERAL	10	LEA	S:19, T:17S, R:32E	Jul 2005	Jul 2008	MALJAMAR	PADDOCK	6,710	Completion	Active Permit
30-025-36998	COG OPERATING LLC	BC FEDERAL	11	LEA	S:19, T:17S, R:32E	Nov 2005	Jul 2008	MALJAMAR	PADDOCK	67,209	Completion	Active Permit
30-025-37869	COG OPERATING LLC	BC FEDERAL	012	LEA	S:19, T:17S, R:32E	Jul 2006	Nov 2006	MALJAMAR PADDOCK		6,700	Permit	Active Permit
30-025-37869	COG OPERATING LLC	BC FEDERAL	012	LEA	S:19, T:17S, R:32E	Jul 2006	Jul 2008	MALJAMAR	PADDOCK	6,700	Permit	Active Permit
30-025-35481	COG OPERATING LLC	BC FEDERAL	406	LEA	S:19, T:17S, R:32E	Jan 2005	Jul 2008	MALJAMAR	PADDOCK	5,600	Completion	Pumping

DI Search Results (Printable Table)

30-025-38164	COG OPERATING LLC	BC FEDERAL	13	LEA	T:17S, R:32E	Jul 2007	Jul 2008	WILDCAT G-02 S173219A, YESO		6,700	Permit	Active Permit
30-025-36998	MACK ENERGY CORPORATION	BC FEDERAL	11	LEA	S:19, T:17S, R:32E			MALJAMAR PADDOCK		67,209	Completion	Active Permit
30-025-36999	MACK ENERGY CORPORATION	GC FEDERAL	05	LEA	S:19, T:17S, R:32E			MALJAMAR PADDOCK		7,220	Completion	Active
30-025-35652	MACK ENERGY CORPORATION	BC FEDERAL	6	LEA	S:19, T:17S, R:32E			MALJAMAR PADDOCK		7,562	Completion	Pumping
30-025-37021	MACK ENERGY CORPORATION	BC FEDERAL	10	LEA	S:19, T:17S, R:32E			MALJAMAR PADDOCK		6,710	Completion	Active Permit
30-025-35913	MACK ENERGY CORPORATION	BC FEDERAL	07	LEA	S:19, T:17S, R:32E			MALJAMAR PADDOCK		6,620	Completion	Active
30-025-24095	HANAGAN PETROLEUM CORP	PRE- ONGARD WELL	309	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES			Active
30-025-08033	HANAGAN PETROLEUM CORP	PRE- ONGARD WELL	017	LEA	S:19, T:17S, R:32E			MALJAMAR	PADDOCK	14,246	WellLog	Active
30-025-38164	COG OPERATING LLC	BC FEDERAL	13	LEA	S:19, T:17S, R:32E			WILDCAT YESO		6,700	Permit	Active Permit
30-025-38724	COG OPERATING LLC	BC FEDERAL	16	LEA	S:19, T:17S, R:32E			MALJAMAR, YESO, WEST		7,017	Completion	Active Permit
30-025-38724	COG OPERATING LLC	BC FEDERAL	16	LEA	S:19, T:17S, R:32E			MALJAMAR	DEVONIAN, WEST	7,017	Completion	Active Permit
30-025-38724	COG OPERATING LLC	BC FEDERAL	16	LEA	S:19, T:17S, R:32E			MALJAMAR (PADDOCK)	PADDOCK	7,017	Completion	Active Permit
30-025-38842	COG OPERATING LLC	GC FEDERAL	8	LEA	S:19, T:17S, R:32E			MALJAMAR (PADDOCK)	PADDOCK	7,250	Permit	Active Permit





Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Monday, November 24, 2008 5:23 PM
To: 'Robyn Odom'
Subject: BC Federal #37; NSL Application

Dear Ms. Odom

The application we received on October 29, 2008, is for the BC Federal Well No. 37 to be located 760 FNL and 250 FWL of Section 19-17S-32E. The C-102 and other attachments, however, are evidently intended for the BC Federal Well No. 38, to be located at 1450 FNL and 990 FWL of Section 19-17S-32E.

I assume that you intended for this application to be for the BC Federal Well No. 38, since we received a separate application for the BC Federal No. 37 on November 7, 2008, which has the correct attachments for that well. We cannot, however, process the application for the BC Federal No. 38, inasmuch as we do not have depth information for that well, or ownership information for the units towards which it encroaches, which would be the NW/4 NW/4 and NE/4 NW/4 of Section 19-17S-32E, assuming this is also intended to be a Yeso well.

Please furnish us with an appropriate application for the BC Federal No. 38 if that is your intention.

Thanks

David K. Brooks
Legal Examiner

11/24/2008

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Tuesday, November 25, 2008 8:19 AM
To: 'Robyn Odom'
Subject: RE: BC Federal #38; NSL Application

Dear Ms. Odom

Thanks for supplying the correct application.

I note, however, that you address ownership only as to the NW/4 NW/4 of Section 19. This location also encroaches on the diagonal toward the NE/4 NW/4 of Section 19.

Please advise if ownership is also identical for the NE/4 NW/4 (Unit C) of Section 19.

Thanks

David K. Brooks
Legal Examiner

From: Robyn Odom [mailto:rodom@conchoresources.com]
Sent: Tuesday, November 25, 2008 7:15 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: RE: BC Federal #37; NSL Application

Dear Mr. Brooks,

The NSL you received on October 28, 2008, is intended for the BC Federal No. 38. I accidentally attached the wrong cover letter to the package. Attached is the correct cover letter for the NSL. Thank you for contacting me about this. Please let me know if you have any questions.

Thank you,

Robyn Odom
X4385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Monday, November 24, 2008 6:23 PM
To: Robyn Odom
Subject: BC Federal #37; NSL Application

Dear Ms. Odom

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11/25/2008

Please furnish us with an appropriate application for the BC Federal No. 38 if that is your intention.

Thanks

David K. Brooks
Legal Examiner

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11/25/2008

Brooks, David K., EMNRD

From: Robyn Odom [rodom@conchoresources.com]
Sent: Tuesday, November 25, 2008 11:50 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: RE: BC Federal #38; NSL Application
Attachments: B C Federal #38 NSL explanation.doc

Dear Mr. Brooks,

Thank you for bringing this to my attention. I have attached a revised application stating that COG owns the entire N/2 of Sec. 19. Please let me know if there is anything else I can do to help.

Thank you,

Robyn Odom
X4385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, November 25, 2008 9:19 AM
To: Robyn Odom
Subject: RE: BC Federal #38; NSL Application

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David K. Brooks
Legal Examiner

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11/25/2008

Robyn Odom
X4385

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Sent: Monday, November 24, 2008 6:23 PM
To: Robyn Odom
Subject: BC Federal #37; NSL Application

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Thanks

David K. Brooks
Legal Examiner

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This inbound email has been scanned by the MessageLabs Email Security System.

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This inbound email has been scanned by the MessageLabs Email Security System.

11/25/2008

**B C Federal #38
Lea County, NM**

COG proposes to drill a **VERTICAL** NW /4, 40 acre spacing
Maljamar; Yeso, West oil well
TD of approximately 6800'

Location: 1450' FNL & 990' FWL Sec 19, T17S, R32E, Unit E

**This well had to be drilled at a non-standard location
due to 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 B C Federal #12 (330' FNL & 1750' FWL, Section 19, UL C) which was
completed in July 2006.

B C Federal #12 has perms from: 5806.5' – 6709.5' overall, but broken up into 3
separate intervals, with 3 separate fracs

1st interval: 6589' – 6709.5',
acidized w/ 2500 gals,
frac'd w/ 97,940 gals gel, 8,000 # LiteProp, 90,060# 16/30 sand.

2nd interval: 6249' – 6505',
acidized w/ 3000 gals,
frac'd w/ 75,000# gal gel, 8012# LiteProp, & 90,460 gals 16/30 sand.

3rd interval: 5806.5' – 6162',
acidized w/ 1600 gals,
frac'd w/ 75,000# gal gel, 8000# LiteProp, & 90,520 gals 16/30 sand.

At this time, we assume the B C Federal #38 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 NW / 4 of the NW / 4 of Section 19.
COG owns the entire N/2 of Sec. 19
Interests are the same.

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