

DATE IN 9/22/08	SUSPENSE	ENGINEER Brooks	LOGGED IN 9/22/08	TYPE NSC	APP NO. PKVR0826634345
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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 #4
5957

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 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

9/18/08
Date

rodrom@conchoresources.com
e-mail Address

RECEIVED
2008 SEP 22 AM 8 29

**S C Federal #4
Lea County, NM**

COG proposes to drill a **DIRECTIONAL** SE /4, 40 acre spacing
Maljamar; Yeso oil well
TD of approximately 7350'

SHL: 1230' FSL & 420' FEL Sec 22, T17S, R32E, Unit P
BHL: 990' FSL & 330' FEL Sec 22, T17S, R32E, Unit P

**This well had to be drilled at a non-standard location
due to a road & a pipeline.**

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 S C Federal #4 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 NE / 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
1625 N. FRENCH DR., HOBBS, NM 88240

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

DISTRICT III
1000 E. 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 30-025-	Pool Code 44500	Pool Name MALAJAMAR; YESO, WEST
Property Code	Property Name SC FEDERAL	Well Number 4
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3986'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	17-S	32-E		1230	SOUTH	420	EAST	LEA

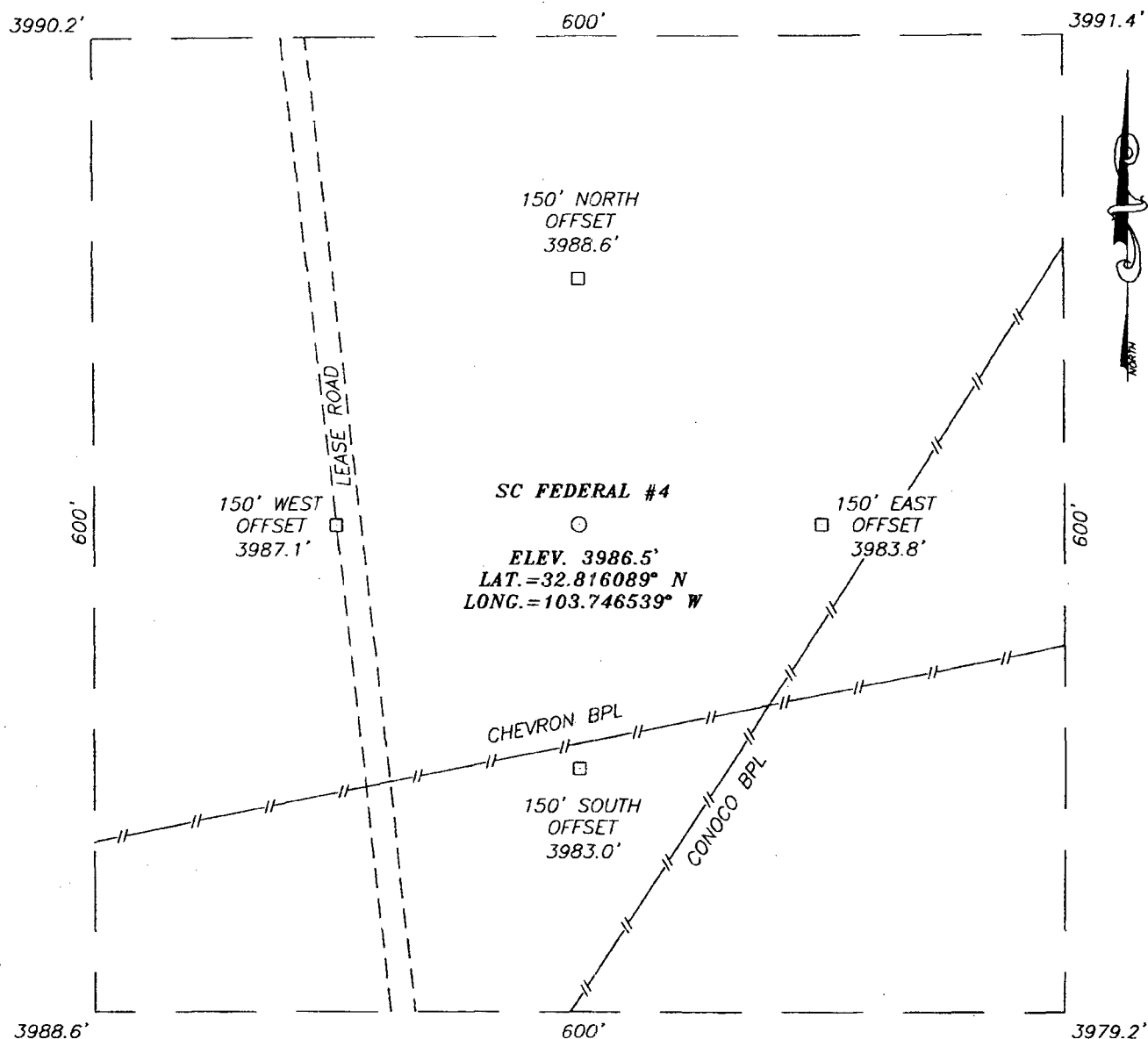
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	17-S	32-E		990	SOUTH	330	EAST	LEA
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

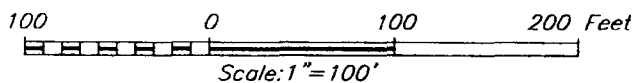
GEODETIC COORDINATES NAD 27 NME Y=661104.5 N X=680274.9 E LAT.=32.816089° N LONG.=103.746539° W		DETAIL 3990.2' 3991.4' 600' 600' O SURF. 3988.6' 3979.2'		SEE DETAIL SURF. 420' 330' B.H. 1230' 990'		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of 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>Robyn Odom</i> 9/15/2008 Signature Date Robyn Odom Printed Name	
BOTTOM HOLE LOCATION Y=660864.8 N X=680366.3 E		GRID AZ. = 159°08'24" HORZ. DIST. = 256.6'		DATE SURVEYED SEPTEMBER 2, 2008 REV. 09/10/08 JC Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 9/11/08 V081452246		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. RONALD J. EIDSON SEPTEMBER 2, 2008 DATE SURVEYED SEPTEMBER 2, 2008 REV. 09/10/08 JC Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 9/11/08 V081452246	
						Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239	

SECTION 22, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF L126 (MALJAMAR ROAD) AND CONOCO ROAD, GO EAST FROM L126 ON A LEASE ROAD APPROX. 0.4 MILES. TURN LEFT AND GO NORTH APPROX. 0.1 MILES. TURN RIGHT AND GO EAST APPROX. 0.5 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. THIS LOCATION IS APPROX. 150 FEET EAST OF LEASE ROAD.



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

COG OPERATING, LLC

SC FEDERAL #4 WELL
LOCATED 1230 FEET FROM THE SOUTH LINE
AND 420 FEET FROM THE EAST LINE OF SECTION 22,
TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 09/02/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.1246	Dr By: JC
Date: 09/05/08	08111246
	Scale: 1"=100'

Offset Wells to S C Federal 4

API#	Operator	Lease	Well#	County	Legal	Last Prod. Field Name	Reservoir Name	Total Depth	Well Status
30-025-34795	MACK ENERGY CORP	Unknown	002	LEA	S:22, T:17S, R:32E	Unknown (GRAYBURG-SAN ANDRES)	GRAYBURG-SAN ANDRES		Active
30-025-00625	CONOCO, INC.	BAISH B	002	LEA	S:22, T:17S, R:32E	Jan 1994 MALJAMAR	QUEEN (GAS)		Pumping
30-025-00626	CONOCO, INC.	MCA UNIT	087	LEA	S:22, T:17S, R:32E	Dec 1992 MALJAMAR	GRAYBURG-SAN ANDRES	0	Pumping
30-025-00626	CONOCO, INC.	MCA UNIT	087	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)		0	Pumping
30-025-00627	CONOCOPHILLIPS COMPANY	MCA UNIT	074	LEA	S:22, T:17S, R:32E	Jun 2008 MALJAMAR	GRAYBURG-SAN ANDRES	0	Injection Well
30-025-00627	CONOCOPHILLIPS COMPANY	MCA UNIT	074	LEA	S:22, T:17S, R:32E	MALJAMAR GRAYBURG SA REP (ABOLISHED)		0	Injection Well
30-025-00628	CONOCOPHILLIPS COMPANY	MCA UNIT	088	LEA	S:22, T:17S, R:32E	Oct 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)		0	Pumping
30-025-00628	CONOCOPHILLIPS COMPANY	MCA UNIT	088	LEA	S:22, T:17S, R:32E	May 2008 MALJAMAR	GRAYBURG-SAN ANDRES	0	Pumping
30-025-00629	CONOCOPHILLIPS COMPANY	MCA UNIT	036	LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES		Temporarily Abandoned
30-025-00629	CONOCOPHILLIPS COMPANY	MCA UNIT	036	LEA	S:22, T:17S, R:32E	MALJAMAR GRAYBURG SA REP (ABOLISHED)			Temporarily Abandoned
30-025-00630	CONOCO, INC.	MCA UNIT	072	LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	0	Injection Well
30-025-00630	CONOCO, INC.	MCA UNIT	072	LEA	S:22, T:17S, R:32E	MALJAMAR GRAYBURG SA REP (ABOLISHED)		0	Injection Well
30-025-00631	CONOCOPHILLIPS COMPANY	MCA UNIT	073	LEA	S:22, T:17S, R:32E	May 2008 MALJAMAR	GRAYBURG-SAN ANDRES	4,112	Pumping
30-025-00631	CONOCOPHILLIPS COMPANY	MCA UNIT	073	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)		4,112	Pumping
30-025-00635	CONOCO, INC.	MCA UNIT	040	LEA	S:22, T:17S,	Jul 1996 MALJAMAR	GRAYBURG-SAN ANDRES		Pumping

30-025-00636	CONOCOPHILLIPS COMPANY	BAISH B	003	LEA	R:32E	Dec 1963	MALJAMAR GRAYBURG SA REP (ABOLISHED)		4,160	Pumping
30-025-00636	CONOCOPHILLIPS COMPANY	BAISH B	003	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,160	Pumping
30-025-00639	CONOCOPHILLIPS COMPANY	MCA UNIT	084	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,092	Injection Well
30-025-00639	CONOCOPHILLIPS COMPANY	MCA UNIT	084	LEA	S:22, T:17S, R:32E		MALJAMAR GRAYBURG SA REP (ABOLISHED)		4,092	Injection Well
30-025-12711	CONOCOPHILLIPS COMPANY	MCA UNIT	075	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,000	Pumping
30-025-12711	CONOCOPHILLIPS COMPANY	MCA UNIT	075	LEA	S:22, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP (ABOLISHED)		4,000	Pumping
30-025-12795	CONOCOPHILLIPS COMPANY	MCA UNIT	086	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,099	Pumping
30-025-12796	CONOCO, INC.	MCA UNIT	089	LEA	S:22, T:17S, R:32E	Aug 1996	MALJAMAR	GRAYBURG-SAN ANDRES	0	Shut-in
30-025-20647	CONOCO, INC.	MC FEDERAL	013	LEA	S:22, T:17S, R:32E	Nov 1990	MALJAMAR	ABO	9,958	Temporarily Abandoned
30-025-20647	CONOCO, INC.	MC FEDERAL	013	LEA	S:22, T:17S, R:32E	Oct 1990	BAISH	WOLFCAMP	9,958	Temporarily Abandoned
30-025-20647	COG OPERATING L L C	MC FEDERAL	013	LEA	S:22, T:17S, R:32E	Jun 2008	MALJAMAR	PADDOCK	9,958	Temporarily Abandoned
30-025-24109	CONOCOPHILLIPS COMPANY	MCA UNIT	312	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,250	Active
30-025-24183	CONOCOPHILLIPS COMPANY	MCA UNIT	316	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,200	Pumping
30-025-24236	CONOCOPHILLIPS COMPANY	MCA UNIT	325	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,175	Pumping
30-025-24274	CONOCOPHILLIPS COMPANY	MCA UNIT	327	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,200	Pumping
30-025-24376	CONOCOPHILLIPS COMPANY	MCA UNIT	338	LEA	S:22, T:17S, R:32E	Jun 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,150	Pumping

30-025-24462	CONOCOPHILLIPS COMPANY	MCA UNIT	341	LEA	S:22, T:17S, R:32E	Jun 2008	MALJAMAR	GRAYBURG-SAN ANDRES	4,150	Pumping
30-025-24499	CONOCOPHILLIPS COMPANY	MCA UNIT	345	LEA	S:22, T:17S, R:32E		MALJAMAR	GRAYBURG-SAN ANDRES	4,122	Temporarily Abandoned
30-025-30116	CONOCO, INC.	MCA UNIT	378	LEA	S:22, T:17S, R:32E		MALJAMAR	GRAYBURG-SAN ANDRES	4,200	Pumping
30-025-30363	CONOCOPHILLIPS COMPANY	BAISH A	014	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	ABO	12,504	Pumping
30-025-30363	CONOCOPHILLIPS COMPANY	BAISH A	014	LEA	S:22, T:17S, R:32E	May 2008	BAISH	WOLFCAMP	12,504	Pumping
30-025-30731	CONOCOPHILLIPS COMPANY	MCA UNIT	385	LEA	S:22, T:17S, R:32E	Aug 2005	MALJAMAR	GRAYBURG-SAN ANDRES	4,420	Pumping
30-025-34647	COG OPERATING L L C	MC FEDERAL COM	001	LEA	S:22, T:17S, R:32E	Jun 2008	MALJAMAR	GRAYBURG-SAN ANDRES	14,912	Pumping
30-025-34772	COG OPERATING L L C	J C FEDERAL	002	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	PADDOCK	5,950	Pumping
30-025-35989	COG OPERATING L L C	MC FEDERAL	008	LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	PADDOCK	6,918	Active
30-025-00632	CONOCOPHILLIPS COMPANY	MCA UNIT	039	LEA	S:22, T:17S, R:32E		MALJAMAR	GRAYBURG-SAN ANDRES		Active
30-025-00633		MCA UNIT	037	LEA	S:22, T:17S, R:32E	Dec 1976	MALJAMAR GRAYBURG SA REP (ABOLISHED)		99,999	Plugged and Abandoned
30-025-00633	CONOCO, INC.	MCA UNIT	037	LEA	S:22, T:17S, R:32E	Mar 2002	MALJAMAR	GRAYBURG-SAN ANDRES	99,999	Plugged and Abandoned
30-025-00623	CONOCO, INC.	BAISH A	002	LEA	S:22, T:17S, R:32E		MALJAMAR	GRAYBURG-SAN ANDRES		Active
30-025-00634	CONOCO, INC.	BAISH B	005	LEA	S:22, T:17S, R:32E	Dec 1969	MALJAMAR	DEVONIAN	13,400	Active
30-025-00638	CONOCO, INC.	BAISH B	004	LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR	GRAYBURG-SAN ANDRES		Active
30-025-00637	CONOCO, INC.	BAISH B	001	LEA	S:22, T:17S, R:32E	Oct 1971	BAISH	WOLFCAMP	13,657	Active

30-025-12780	CONOCO, INC.	MCA UNIT	038	LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-00000		BAISH B	014	LEA	S:22, T:17S, R:32E	Apr 1962 MALJAMAR	STRAWN	Active
30-025-00624		MCA UNIT BATTERY 2	030	LEA	S:22, T:17S, R:32E	Sep 1970 MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-00624		MCA UNIT BATTERY 2	030	LEA	S:22, T:17S, R:32E	Sep 1970 MALJAMAR GB SA (DO NOT USE)	GRAYBURG-SAN ANDRES	Active
30-025-00624		MCA UNIT BATTERY 2	030	LEA	S:22, T:17S, R:32E	Sep 1970 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	Active
30-025-00635		MCA UNIT BATTERY 2	040	LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	Pumping
30-025-00635		MCA UNIT BATTERY 2	040	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	Pumping
30-025-00635		MCA UNIT BATTERY 20	040	LEA	S:22, T:17S, R:32E	BAISH	YATES	Pumping
30-025-00632		MCA UNIT BATTERY 2	039	LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	Active
30-025-00632		MCA UNIT BATTERY 2	039	LEA	S:22, T:17S, R:32E	Nov 1974 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	Active
30-025-00000		BAISH B	017	LEA	S:22, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	PreOngard
30-025-24109		MCA UNIT BATTERY 2	312	LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,250 Active
30-025-24109		MCA UNIT BATTERY 2	312	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,250 Active
30-025-24236		MCA UNIT BATTERY 2	325	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,175 Pumping
30-025-24236		MCA UNIT BATTERY 2	325	LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,175 Pumping
30-025-24499		MCA UNIT BATTERY 2	345	LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,122 Temporarily Abandoned
30-025-24499		MCA UNIT BATTERY	345	LEA	S:22, T:17S,	Jun 1986 MALJAMAR	GRAYBURG-SAN ANDRES	4,122 Temporarily Abandoned

30-025-30116	2 MCA UNIT BATTERY 2	378 LEA	R:32E S:22, T:17S, R:32E	Jun 1990 MALJAMAR	GRAYBURG-SAN ANDRES	4,200 Pumping
30-025-24376	2 MCA UNIT BATTERY 2	338 LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,150 Pumping
30-025-24376	2 MCA UNIT BATTERY 2	338 LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,150 Pumping
30-025-12796	2 MCA UNIT BATTERY 2	089 LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	0 Shut-in
30-025-12796	2 MCA UNIT BATTERY 2	089 LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	0 Shut-in
30-025-24183	2 MCA UNIT BATTERY 2	316 LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,200 Pumping
30-025-24183	2 MCA UNIT BATTERY 2	316 LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,200 Pumping
30-025-00626	2 MCA UNIT BATTERY 2	087 LEA	S:22, T:17S, R:32E	Dec 1967 MALJAMAR	GRAYBURG-SAN ANDRES	0 Pumping
30-025-00626	2 MCA UNIT BATTERY 2	087 LEA	S:22, T:17S, R:32E	MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	0 Pumping
30-025-24274	2 MCA UNIT BATTERY 2	327 LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,200 Pumping
30-025-24274	2 MCA UNIT BATTERY 2	327 LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,200 Pumping
30-025-00640	3 MCA UNIT BATTERY 3	085 LEA	S:22, T:17S, R:32E	Jul 1989 MALJAMAR	GRAYBURG-SAN ANDRES	4,026 Active
30-025-24462	2 MCA UNIT BATTERY 2	341 LEA	S:22, T:17S, R:32E	Dec 1993 MALJAMAR	GRAYBURG-SAN ANDRES	4,150 Pumping
30-025-24462	2 MCA UNIT BATTERY 2	341 LEA	S:22, T:17S, R:32E	Dec 1976 MALJAMAR GRAYBURG SA REP (ABOLISHED)	GRAYBURG-SAN ANDRES	4,150 Pumping
30-025-35988	COG OPERATING LLC	003 LEA	S:22, T:17S, R:32E	May 2008 MALJAMAR	PADDOCK	5,946 Active
30-025-20647	CONTINENTAL OIL COMPANY	013 LEA	S:22, T:17S, R:32E	Dec 1969 MALJAMAR ABO		9,958 Temporarily Abandoned

30-025-00629	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	036 LEA	S:22, T:17S, R:32E	Jun 1968	MALJAMAR REPRESS	Temporarily Abandoned
30-025-00633	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	037 LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	99,999 Plugged and Abandoned
30-025-00632	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	039 LEA	S:22, T:17S, R:32E	May 1968	MALJAMAR REPRESS	Active
30-025-00630	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	072 LEA	S:22, T:17S, R:32E	Jan 1969	MALJAMAR REPRESS	0 Injection Well
30-025-00631	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	073 LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	4,112 Pumping
30-025-00627	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	074 LEA	S:22, T:17S, R:32E	Aug 1968	MALJAMAR REPRESS	0 Injection Well
30-025-12711	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	075 LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	4,000 Pumping
30-025-00639	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	084 LEA	S:22, T:17S, R:32E	Jan 1969	MALJAMAR REPRESS	4,092 Injection Well
30-025-00626	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	087 LEA	S:22, T:17S, R:32E	May 1968	MALJAMAR REPRESS	0 Pumping
30-025-00628	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	088 LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR REPRESS	0 Pumping
30-025-00637	CONTINENTAL OIL COMPANY	BAISH B	001 LEA	S:22, T:17S, R:32E	Dec 1967	MAGRUDER YATES	13,657 Active
30-025-00000	BUFFALO	BAISH B	012 LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	011 LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	002 LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	003 LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO IOL COMPANY	BAISH B	004 LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active

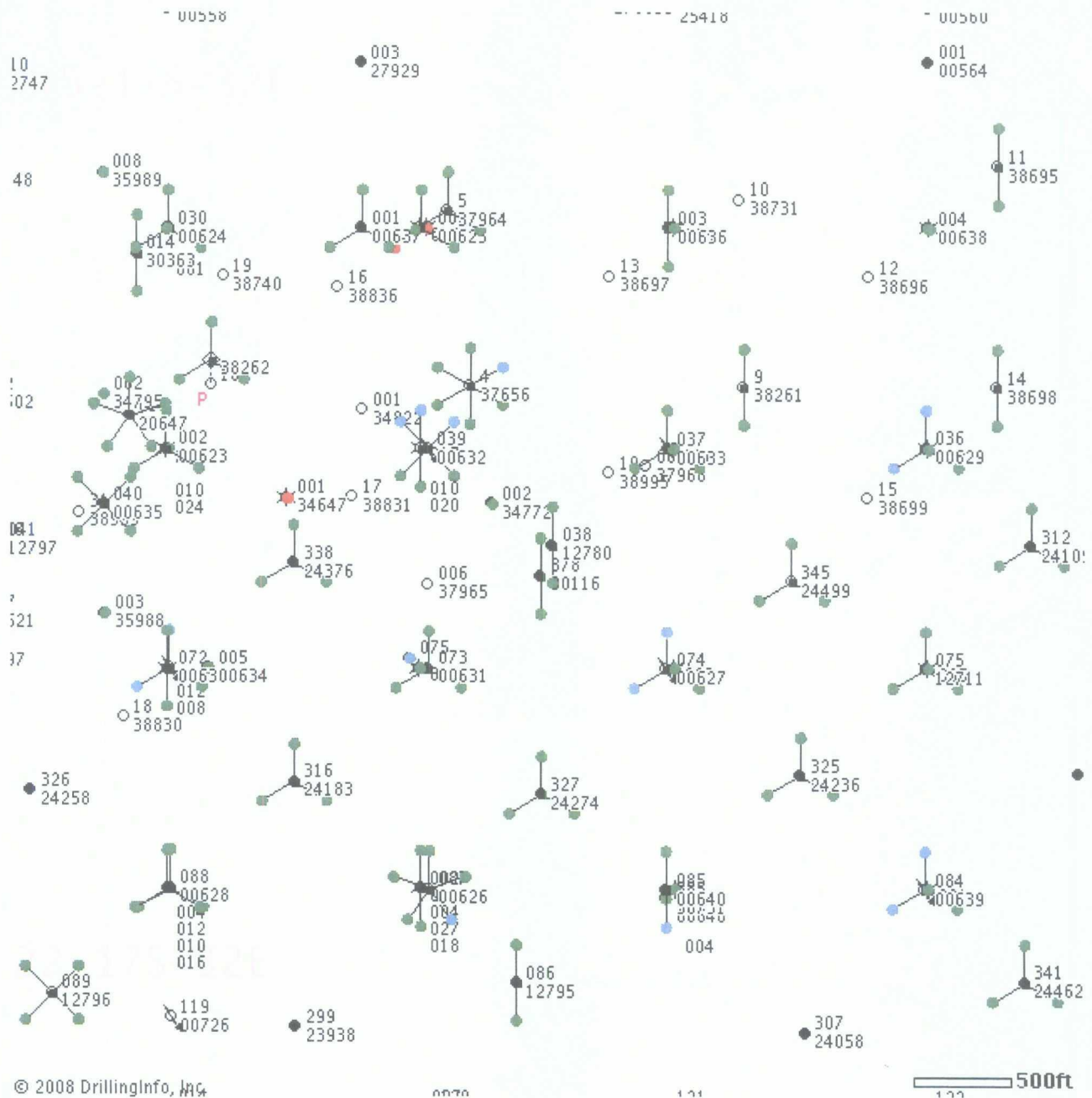
GRAYBURG-SAN ANDRES

30-025-00000	BUFFALO OIL COMPANY	BAISH B	007	LEA	T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BUISH B	008	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	009	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	010	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	011	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	FAIR, N. N. & F. BAISH	BAISH	001	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	FAIR, N. N. & F. BAISH	BAISH	004	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	FAIR, N. N. & F. BAISH	BAISH	005	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL CO.	BAISH A	010	LEA	S:22, T:17S, R:32E	Feb 1956	MALJAMAR REPRESSURING POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	24Y	LEA	S:22, T:17S, R:32E	Dec 1955	BAISH POOL	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH A	024	LEA	S:22, T:17S, R:32E	Dec 1962	MALJAMAR REPRESSURING	Active
30-025-00000	BUFFALO OIL COMPANY	BAISH B	004	LEA	S:22, T:17S, R:32E	Dec 1955	MALJAMAR REPRESSURING POOL	Active
30-025-00637	BUFFALO OIL COMPANY	BAISH B	001	LEA	S:22, T:17S, R:32E	Oct 1971	MALJAMAR	Active
30-025-00000	BUFFALO OIL CO.	BAISH	012	LEA	S:22, T:17S, R:32E	Dec 1947	MALJAMAR AREA	Active
30-025-00000	BUFFALO OIL CO.	BAISH B	004	LEA	S:22, T:17S, R:32E	Dec 1948	MALJAMAR REPRESSURING POOL	Active
30-025-12780	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	038	LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR GRAYBURG SA REPRES	Active
30-025-12795	CONTINENTAL OIL	MCA UNIT BATTERY	086	LEA	S:22, T:17S,	Dec 1971	MALJAMAR GRAYBURG SA REPRES	4,099 Pumping

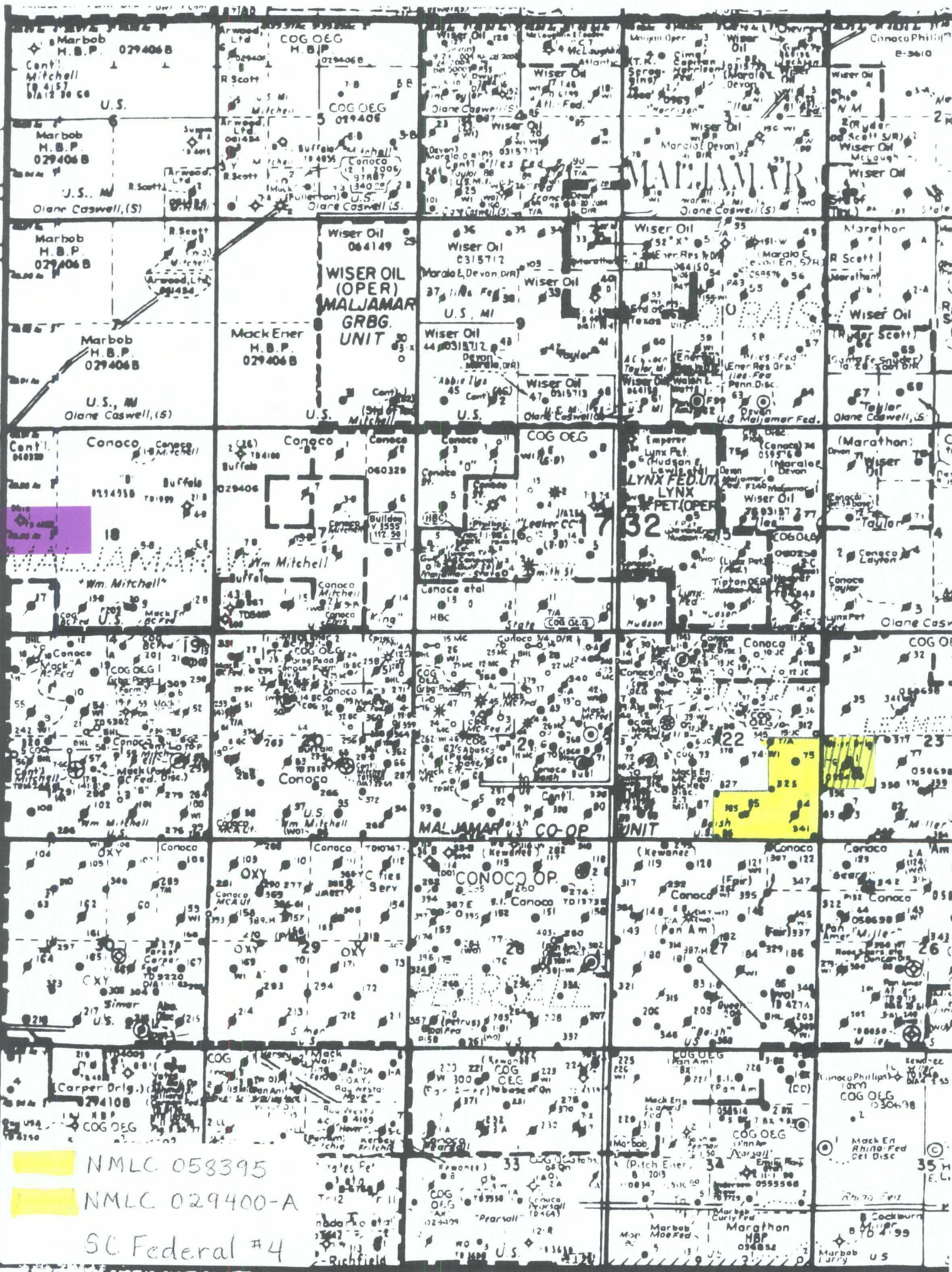
GRAYBURG-SAN ANDRES 13,657

CO	3		R:32E					
30-025-12796	CONTINENTAL OIL CO	MCA UNIT BATTERY 3	089 LEA	S:22, T:17S, R:32E	Dec 1971	MALJAMAR GRAYBURG SA REPRES	0	Shut-in
30-025-00000	CONTINENTAL OIL CO	BAISH B FED	013 LEA	S:22, T:17S, R:32E	Dec 1962	MALJ REPRESS GRAYBURG SAN ANDRES		Active
30-025-00000	CONTINENTAL OIL CO	BAISH B FED	015 LEA	S:22, T:17S, R:32E	Dec 1962	MALJ REPRESS GRAYBURG SAN ANDRES		Active
30-025-00000	CITIES SERVICE PETROLEUM CO.	BAISH B FED	014 LEA	S:22, T:17S, R:32E	Dec 1960	LEA UNDESIGNATED	GROUP 2	Active
30-025-00000	CONTINENTAL OIL CO HOBBS DIST	BAISH B FEDERAL	014 LEA	S:22, T:17S, R:32E	Dec 1962	BAISH WOLFCAMP		Active
30-025-20647	CONTINENTAL OIL CO	BAISH A	013 LEA	S:22, T:17S, R:32E	Oct 1967	BAISH WOLFCAMP		9,958 Temporarily Abandoned
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	Oct 2006	BAISH	WOLFCAMP	10,200 Active Permit
30-025-00000	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 3	075 LEA	S:22, T:17S, R:32E		MALJAMAR GRAYBURG SAN ANDRES RPRES		Unknown
30-025-37964	COG OPERATING LLC	J C FEDERAL	5 LEA	S:22, T:17S, R:32E		BAISH	WOLFCAMP	7,100 Active Permit
30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S:22, T:17S, R:32E	Jun 2008	MALJAMAR	PADDOCK	7,000 Active
30-025-38261	COG OPERATING LLC	J C FEDERAL	9 LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	PADDOCK	7,000 Active
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E		BAISH-WLFCP & MALJAMAR ABO		10,200 Active Permit
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E		MALJAMAR, PADDOCK		10,200 Active Permit
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E		BAISH WOLFCAMP		10,200 Active Permit
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	Aug 2006	MALJAMAR	ABO	10,200 Active Permit
30-025-37656	COG OPERATING LLC	J C FEDERAL	4 LEA	S:22, T:17S, R:32E	May 2008	MALJAMAR	PADDOCK	10,200 Active Permit

30-025-37964	COG OPERATING LLC	JC FEDERAL	5 LEA	S.22, T:17S, R:32E	MALJAMAR; PADDOCK 44500	7,100	Active Permit
30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S.22, T:17S, R:32E	WILDCAT YESO	7,000	Active
30-025-37964	COG OPERATING LLC	JC FEDERAL	5 LEA	S.22, T:17S, R:32E	May 2008 MALJAMAR	7,100	Active Permit
30-025-38262	COG OPERATING LLC	MC FEDERAL	10 LEA	S.22, T:17S, R:32E	Jan 2008 WILDCAT G-02 S173222E	7,000	Active
30-025-00640	HANAGAN PETROLEUM CORP	PRE- ONGARD WELL	085 LEA	S.22, T:17S, R:32E	MALJAMAR	4,026	Active
30-025-38261	COG OPERATING LLC	JC FEDERAL	9 LEA	S.22, T:17S, R:32E	Jan 2008 WILDCAT G-02 S173222E	7,000	Active
30-025-38695	COG OPERATING LLC	JC FEDERAL	11 LEA	S.22, T:17S, R:32E	MALJAMAR; YESO, WEST	7,023	Active Permit
30-025-38698	COG OPERATING LLC	JC FEDERAL	14 LEA	S.22, T:17S, R:32E	MALJAMAR	7,004	Active Permit
30-025-38695	COG OPERATING LLC	JC FEDERAL	11 LEA	S.22, T:17S, R:32E	MALJAMAR (PADDOCK)	7,023	Active Permit
30-025-38698	COG OPERATING LLC	JC FEDERAL	14 LEA	S.22, T:17S, R:32E	MALJAMAR (PADDOCK)	7,004	Active Permit



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NMLC 058395

NMLC 029400-A

SC Federal #4

Richfield

U.S.

U.S.

Brooks, David K., EMNRD

From: Robyn Odom [rodom@conchoresources.com]
Sent: Thursday, October 30, 2008 7:44 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: RE: SC Federal #4; NSL Application
Attachments: S C Federal 4 NSL Plat.pdf

Dear Mr. Brooks,

I am very sorry for the mistakes. Attached is a corrected plat with Penetration Point. 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: Wednesday, October 29, 2008 4:57 PM
To: Robyn Odom
Subject: SC Federal #4; NSL Application

Dear Ms. Odom

This again looks to be a directional well with a standard bottom hole location. And, again, the point of penetration of the Yeso is not identified.

I can assume that this location will be non-standard because the bottom hole location is in the exact corner of the drilling window. However, I cannot determine for certain if it is non-standard until I am advised of the footages of the point of penetration.

Sincerely
David K. Brooks
Legal Examiner
505-476-3450

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

10/30/2008

DISTRICT I
1625 N. FRANCHIS DR., ROSA, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Artesia, 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 30-025-	Pool Code 44500	Pool Name MALAJAMAR; YESO, WEST
Property Code	Property Name SC FEDERAL	Well Number 4
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3986'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	17-S	32-E		1230	SOUTH	420	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
P	22	17-S	32-E		990	SOUTH	330	EAST	LEA

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=661104.5 N X=680274.9 E LAT.=32.816089° N LONG.=103.746539° W DETAIL 3990.2' 3991.4' 600' 300' SURF. 3988.6' 3979.2' BOTTOM HOLE LOCATION Y=660864.8 N X=680366.3 E GRID AZ. = 159°08'24" HORZ. DIST. = 256.6' PENETRATION POINT 1000' FSL 3 332' FEL SEE DETAIL SURF. 420' B.H. 330' 1230' 990'	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 unless 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>Robyn Odum</i> 10/29/2008 Signature Date Robyn Odum 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. RONALD J. EIDSON Date Surveyed 10/29/08 JC Signature & Seal of Professional Surveyor Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3230
--	--

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Wednesday, October 29, 2008 2:57 PM
To: 'Robyn Odom'
Subject: SC Federal #4; NSL Application

Dear Ms. Odom

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Sincerely
David K. Brooks
Legal Examiner
505-476-3450

10/29/2008