

14 May 07 DATE IN	SUSPENSE	D. Brooks ENGINEER	17 May 07 LOGGED IN	NSL TYPE	pCLP0713730447 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 Fed #11
5643

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

MAY 14 2007

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

[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

[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.

Diane Kuykendall

Print or Type Name

Signature

REGULATORY ANALYST

Title

Date

5/11/07

432-683-7443

dkuykendall@conchoresources.com
e-mail Address

**MC Federal #11
Lea County, NM
API #: 30-025 38387**

COG proposes to drill a NE/4 & N/2 of SE/4, 40 acre spacing
Maljamar Paddock Oil Well
TD of approximately 7000'
Non-Standard Location:
2460' FSL & 2210' FEL Sec 21, T17S, R32E, Unit J

This location is a non-standard location due to the lack of pipelines in area. COG would like to drill well vertically instead of directional to cut drilling cost.

This well is to be completed in the Maljamar Paddock (44500) formation. We won't know the exact perms until we drill & log it, but it will be very similar to the MC Federal #10 which was drilled in March 2007 and is located 1500' FNL & 990' FWL, Unit E in Sec 22, T17S, R32E.

The MC Federal #10 completion broke the Paddock up into 2 perf/stimulation intervals. At this time, we assume the MC Federal #11 will/should be very similar.

MC Federal #10 has perms from: 5967' – 6873' overall, but broken up into 2 separate intervals, with 2 separate fracs:

1st interval: 6513' – 6873'
acidized w/ 1650 gals,
frac w/ 74,609 gals 40# gel, & 48,538# 16/30 sand,

2nd interval: 5967' – 6310'
acidized w/ 2000 gals,
frac w/ 50,000 gals 20/40 white, & 15,000# 6/30 sand

Attachment 1
Permit & plat

Attachment 2
Map & legend of offset wells.

Attachment 3
Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching on is the NE/4 & the N/2 of the SE/4
of Section 21
COG owns the Entire East Half of Section 21

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

OCD-HOBBS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

5. Lease Serial No.
NMLC-029509A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
MC Federal #11

9. API Well No.

30-025-38387

10. Field and Pool, or Exploratory
Maljamar Paddock

11. Sec., T. R. M. or Bk. and Survey or Area

Sec. 21 T17S R32E

12. County or Parish
Lea

13. State
NM

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator
COG Operating LLC

3a. Address
550 W. Texas, Suite 1300 Midland, TX 79701

3b. Phone No. (include area code)
(432)685-4372

4. Location of Well (Report location clearly and accurately with any State requirements*)
At surface 2460 FSL & 2210 FEL
At proposed prod. zone 2310 FSL & 2310 FEL

14. Distance in miles and direction from nearest town or post office*
3 miles south of Maljamar

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg. unit line, if any) 330

16. No. of acres in lease
640

17. Spacing Unit dedicated to this well
40

18. Distance from proposed*
location to nearest well, drilling, completed,
applied for, on this lease, ft. 660

19. Proposed Depth
7000

20. BLM/BIA Bond No. on file
NMB000215

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4049' GR

22. Approximate date work will start*
3/1/2007

23. Estimated duration
12 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Jerry W. Sherrell*
Title
Production Clerk

Name (Printed/Typed)
Jerry W. Sherrell

Date
1/31/07

Approved by (Signature)
/s/ James A. Amos

Name (Printed/Typed)

Date

Title
ACTING FIELD MANAGER

Office
CARLSBAD FIELD OFFICE

Approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Roswell Controlled Water Basin

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., HOHES, 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 87506

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 30-025-38387	Pool Code 44500	Pool Name MALJAMAR PADDOCK
Property Code 302519	Property Name MC FEDERAL	Well Number 11
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 4049'

Surface Location

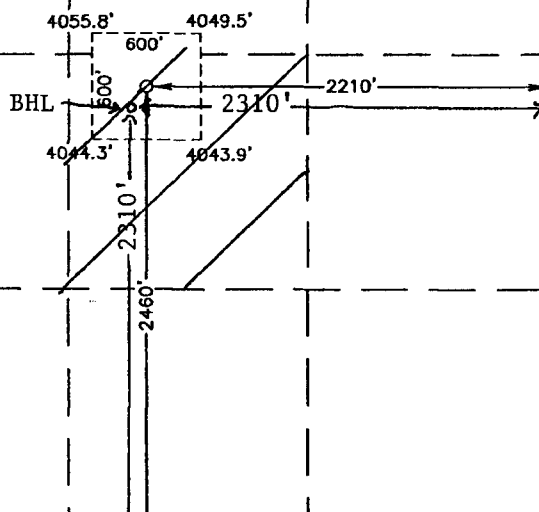
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	21	17-S	32-E		2460	SOUTH	2210	EAST	LEA

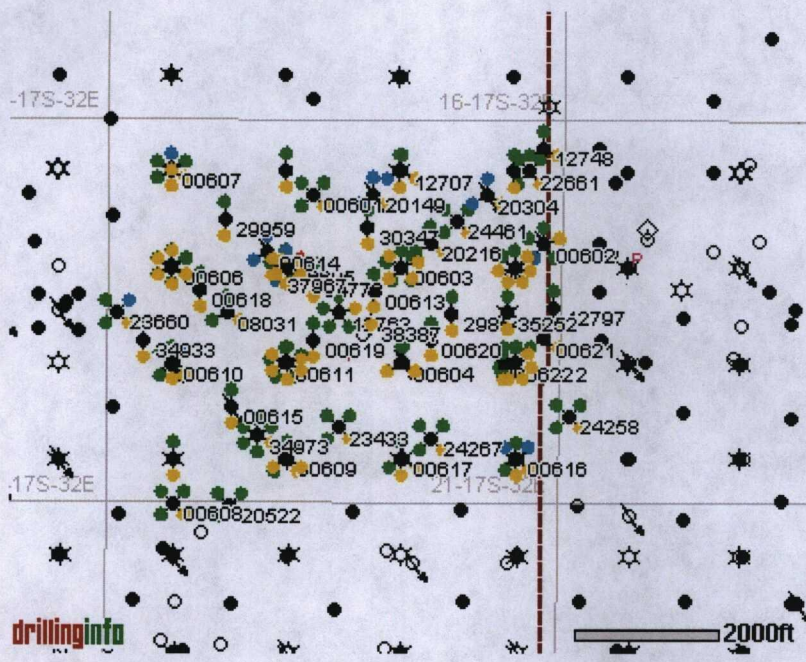
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	21	17S	32E		2310	SOUTH	2310	EAST	LEA

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

GEODETIC COORDINATES NAD 27 NME Y=662312.5 N X=673206.0 E LAT.=32.819515° N LONG.=103.769526° W 	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Jerry W. Sherrell</i> 1/31/07 Signature Date Jerry W. Sherrell 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. JANUARY 12, 2007 Date Surveyed AR Signature & Seal of Professional Surveyor <i>Gary Kidson</i> 1/23/07 07.11.0055 Certificate No. GARY KIDSON 12641



MC Federal #11 OFFSET WELLS

API#	Operator	Lease	Well#	County	Legal	Prac. IP (BO/D)	Prac. IP (MCF/D)	First Prod.	Field Name	Total Depth
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E				Unknown (QUEEN)	6,010'
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E				Unknown (GRAYBURG-SAN AI	6,010'
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E				Unknown (ABO)	6,010'
30-025-34973	MACK ENERGY CORP	Unknown	005	LEA	S:21, T:17S, R:32E				Unknown (YATES)	6,010'
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	34.82	13.25	Jan 1977	MALJAMAR	
30-025-00601	CONOCO, INC.	MCA UNIT	027	LEA	S:21, T:17S, R:32E	36.75	8.54	Jan 1973	MALJAMAR GRAYBURG SA R	
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	2.74	1.29	Nov 1987	MALJAMAR	
30-025-00602	CONOCO, INC.	MCA UNIT	042	LEA	S:21, T:17S, R:32E	10.54	21.11	Jan 1973	MALJAMAR GRAYBURG SA R	
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	19.00	8.68	Jan 1977	MALJAMAR	
30-025-00603	CONOCOPHILLIPS COMPANY	MCA UNIT	043	LEA	S:21, T:17S, R:32E	11.46	35.89	Jan 1973	MALJAMAR GRAYBURG SA R	
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E	10.00	24.46	Jan 1963	MALJAMAR	Ø
30-025-00604	CONOCO, INC.	MCA UNIT	070	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R	Ø
30-025-00605	CONOCOPHILLIPS COMPANY	MCA UNIT	045	LEA	S:21, T:17S, R:32E	70.68	0.25	Jan 1977	MALJAMAR	4,106'
30-025-00605	CONOCOPHILLIPS COMPANY	MCA UNIT	045	LEA	S:21, T:17S, R:32E	11.54	23.32	Jan 1973	MALJAMAR GRAYBURG SA R	4,106'
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047	LEA	S:21, T:17S, R:32E	151.25	543.29	Jan 1973	MALJAMAR GRAYBURG SA R	Ø
30-025-00606	CONOCOPHILLIPS COMPANY	MCA UNIT	047	LEA	S:21, T:17S, R:32E	28.57	8.53	May 1973	MALJAMAR	Ø
30-025-00607	CONOCOPHILLIPS COMPANY	MCA UNIT	026	LEA	S:21, T:17S, R:32E	12.82	80.71	Jan 1963	MALJAMAR	
30-025-00607	CONOCOPHILLIPS COMPANY	MCA UNIT	026	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R	
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093	LEA	S:21, T:17S,	11.71	0.43	Jan 1973	MALJAMAR GRAYBURG SA R	Ø

					R:32E							
30-025-00608	CONOCOPHILLIPS COMPANY	MCA UNIT	093	LEA	S:21, T:17S, R:32E	0.68	0.00	Jan 1977	MALJAMAR			⊖
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092	LEA	S:21, T:17S, R:32E	35.00	298.55	Jan 1964	MALJAMAR			⊖
30-025-00609	CONOCOPHILLIPS COMPANY	MCA UNIT	092	LEA	S:21, T:17S, R:32E	64.07	72.75	Jan 1973	MALJAMAR GRAYBURG SA R			⊖
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R			⊖
30-025-00610	CONOCOPHILLIPS COMPANY	MCA UNIT	067	LEA	S:21, T:17S, R:32E	24.00	170.69	Jan 1964	MALJAMAR			⊖
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069	LEA	S:21, T:17S, R:32E	8.00	133.79	Jan 1964	MALJAMAR			⊖
30-025-00611	CONOCOPHILLIPS COMPANY	MCA UNIT	069	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R			⊖
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071	LEA	S:21, T:17S, R:32E	10.57	113.21	Jan 1963	MALJAMAR			
30-025-00612	CONOCOPHILLIPS COMPANY	MCA UNIT	071	LEA	S:21, T:17S, R:32E	25.57	149.04	Jan 1969	MALJAMAR GRAYBURG SA R			
30-025-00615	CONOCO, INC.	MCA UNIT	068	LEA	S:21, T:17S, R:32E	20.04	244.71	Jan 1963	MALJAMAR			
30-025-00616	CONOCO, INC.	MCA UNIT	090	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R			⊖
30-025-00616	CONOCO, INC.	MCA UNIT	090	LEA	S:21, T:17S, R:32E				MALJAMAR			⊖
30-025-00618	CONOCOPHILLIPS COMPANY	BAISH A	003	LEA	S:21, T:17S, R:32E	6.00	8.61	Jan 1963	BAISH			
30-025-00619	CONOCOPHILLIPS COMPANY	BAISH A	005	LEA	S:21, T:17S, R:32E	7.11	22.93	Jan 1963	BAISH			
30-025-08031	CONOCOPHILLIPS COMPANY	MCA UNIT	046	LEA	S:21, T:17S, R:32E	6.29	0.14	Jan 1993	MALJAMAR			⊖
30-025-12707	CONOCOPHILLIPS COMPANY	MCA UNIT	028	LEA	S:21, T:17S, R:32E	38.75	50.11	Jan 1963	MALJAMAR			4,117'
30-025-12707	CONOCOPHILLIPS COMPANY	MCA UNIT	028	LEA	S:21, T:17S, R:32E				MALJAMAR GRAYBURG SA R			4,117'
30-025-12763	CONOCOPHILLIPS COMPANY	MCA UNIT	044	LEA	S:21, T:17S, R:32E	53.82	23.25	Jan 1970	MALJAMAR			
30-025-12797	CONOCO, INC.	MCA UNIT	041	LEA	S:21, T:17S, R:32E	2.84	4.97	Apr 1969	MALJAMAR			
30-025-20522	CONOCOPHILLIPS COMPANY	MCA UNIT	234	LEA	S:21, T:17S, R:32E	10.46	0.25	Jan 1993	MALJAMAR			⊖

30-025-20568	CONOCOPHILLIPS COMPANY	BAISH A	012	LEA	S:21, T:17S, R:32E	125.55	134.10	Feb 1964	BAISH
30-025-20568	CONOCOPHILLIPS COMPANY	BAISH A	012	LEA	S:21, T:17S, R:32E	99.65	548.65	Apr 1964	MALJAMAR
30-025-22661	CONOCOPHILLIPS COMPANY	MCA UNIT	245	LEA	S:21, T:17S, R:32E	4.11	0.07	Jan 1993	MALJAMAR
30-025-23433	CONOCOPHILLIPS COMPANY	MCA UNIT	251	LEA	S:21, T:17S, R:32E	16.43	0.39	Jan 1993	MALJAMAR
30-025-23660	CONOCO, INC.	MCA UNIT	262	LEA	S:21, T:17S, R:32E				MALJAMAR
30-025-24258	CONOCOPHILLIPS COMPANY	MCA UNIT	326	LEA	S:21, T:17S, R:32E	4.86	0.11	Jan 1993	MALJAMAR
30-025-24267	CONOCOPHILLIPS COMPANY	MCA UNIT	328	LEA	S:21, T:17S, R:32E	12.21	0.29	Jan 1993	MALJAMAR
30-025-24461	CONOCO, INC.	MCA UNIT	340	LEA	S:21, T:17S, R:32E				MALJAMAR
30-025-29854	CONOCOPHILLIPS COMPANY	MCA UNIT	368	LEA	S:21, T:17S, R:32E	87.33	50.43	May 1987	MALJAMAR
30-025-29959	CONOCOPHILLIPS COMPANY	MCA UNIT	373	LEA	S:21, T:17S, R:32E	3.60	1.87	Oct 1987	MALJAMAR
30-025-30347	CONOCOPHILLIPS COMPANY	MCA UNIT	379	LEA	S:21, T:17S, R:32E	28.19	19.29	Sep 1988	MALJAMAR
30-025-34773	COG OPERATING LLC	MC FEDERAL	003	LEA	S:21, T:17S, R:32E	14.58	15.10	Apr 2000	MALJAMAR
30-025-34933	COG OPERATING LLC	MC FEDERAL	004	LEA	S:21, T:17S, R:32E	29.23	24.52	Jun 2000	MALJAMAR
30-025-34973	COG OPERATING LLC	MC FEDERAL	005	LEA	S:21, T:17S, R:32E	8.16	17.00	Apr 2001	MALJAMAR
30-025-35252	COG OPERATING LLC	MC FEDERAL	006	LEA	S:21, T:17S, R:32E	125.61	1.97	Apr 2001	MALJAMAR
30-025-00622	CONOCO, INC.	BAISH A	008	LEA	S:21, T:17S, R:32E	85.79	90.46	Jan 1963	MALJAMAR
30-025-00613	CONOCO, INC.	BAISH A	004	LEA	S:21, T:17S, R:32E	5.26	1.84	Dec 1966	BAISH
30-025-00620	CONOCO, INC.	BAISH A	006	LEA	S:21, T:17S, R:32E	15.00	0.00	Jan 1959	BAISH
30-025-12748	CONOCO, INC.	MCA UNIT	029	LEA	S:21, T:17S, R:32E				MALJAMAR
30-025-00614	CONOCO, INC.	MCA UNIT	355	LEA	S:21, T:17S, R:32E				MALJAMAR
30-025-20149	CONTINENTAL	BAISH A	011	LEA	S:21, T:17S,				MALJAMAR

4,350'

5,952'

5,982'

6,010'

15,026'

	OIL CO				R:32E								
30-025-20304	CONTINENTAL OIL CO	BAISH A	010	LEA	S:21, T:17S, R:32E							MALJAMAR	
30-025-20216	CONTINENTAL OIL CO	BAISH A	009	LEA	S:21, T:17S, R:32E							BAISH	
30-025-00621	CONTINENTAL OIL CO	BAISH A	007	LEA	S:21, T:17S, R:32E							BAISH	
30-025-00617	CONTINENTAL OIL CO	MCA UNIT	091	LEA	S:21, T:17S, R:32E							MALJAMAR	
30-025-22661		MCA UNIT BATTERY 2	245	LEA	S:21, T:17S, R:32E	45.14	27.21	Jan 1969				MALJAMAR GRAYBURG SA R	
30-025-22661		MCA UNIT BATTERY 2	245	LEA	S:21, T:17S, R:32E	46.16	28.03	Sep 1968				MALJAMAR	
30-025-20304		BAISH A	010	LEA	S:21, T:17S, R:32E							BAISH	
30-025-12748		MCA UNIT BATTERY 2	029	LEA	S:21, T:17S, R:32E	0.89	0.00	Jan 1963				MALJAMAR	
30-025-20149		BAISH A	011	LEA	S:21, T:17S, R:32E							BAISH	
30-025-00606		MCA UNIT BATTERY 2	047	LEA	S:21, T:17S, R:32E	0.81	94.55	Feb 1967				MALJAMAR GRAYBURG SA R	
30-025-23660		MCA UNIT BATTERY 1	262	LEA	S:21, T:17S, R:32E	477.29	200.64	Jan 1971				MALJAMAR GRAYBURG SA R	
30-025-23660		MCA UNIT BATTERY 1	262	LEA	S:21, T:17S, R:32E	24.50	0.25	Jan 1977				MALJAMAR	
30-025-00606		MCA UNIT BATTERY 21	047	LEA	S:21, T:17S, R:32E							BAISH	
30-025-00605		MCA UNIT BATTERY 2	045	LEA	S:21, T:17S, R:32E							MALJAMAR GRAYBURG SA R	4,106'
30-025-00605		MCA UNIT BATTERY 2	045	LEA	S:21, T:17S, R:32E	30.57	196.07	Jan 1963				MALJAMAR	4,106'
30-025-12763		MCA UNIT BATTERY 19	044	LEA	S:21, T:17S, R:32E							BAISH	
30-025-00000		BAISH A	001	LEA	S:21, T:17S, R:32E	1.63	28.30	Oct 1963				MALJAMAR	
					S:21,								

30-025-00000	BAISH A	001	LEA	T:17S, R:32E						MALJAMAR
30-025-00614	MCA UNIT BATTERY 2	355	LEA	S:21, T:17S, R:32E						MALJAMAR
30-025-24461	MCA UNIT BATTERY 2	340	LEA	S:21, T:17S, R:32E	7.39	0.54	Jan 1977			MALJAMAR
30-025-24461	MCA UNIT BATTERY 2	340	LEA	S:21, T:17S, R:32E	45.70	0.10	Aug 1973			MALJAMAR GRAYBURG SA R
30-025-00603	MCA UNIT BATTERY 20	043	LEA	S:21, T:17S, R:32E						BAISH
30-025-20216	BAISH A	009	LEA	S:21, T:17S, R:32E	4.13	3.43	Oct 1963			BAISH
30-025-00602	MCA UNIT BATTERY 2	042	LEA	S:21, T:17S, R:32E						MALJAMAR GRAYBURG SA R
30-025-00602	MCA UNIT BATTERY 2	042	LEA	S:21, T:17S, R:32E	38.75	61.36	Jan 1963			MALJAMAR
30-025-00000	BAISH A	027	LEA	S:21, T:17S, R:32E	111.94	84.52	Sep 1959			UND LEA
30-025-00621	BAISH A	007	LEA	S:21, T:17S, R:32E	3.00	6.00	Jan 1963			BAISH
30-025-00611	MCA UNIT BATTERY 2	069	LEA	S:21, T:17S, R:32E	24.46	212.00	Jan 1967			MALJAMAR GRAYBURG SA R
30-025-20522	MCA UNIT BATTERY 2	234	LEA	S:21, T:17S, R:32E	41.23	114.97	Aug 1963			MALJAMAR
30-025-20522	MCA UNIT BATTERY 2	234	LEA	S:21, T:17S, R:32E	116.64	22.75	Jan 1969			MALJAMAR GRAYBURG SA R
30-025-23433	MCA UNIT BATTERY 2	251	LEA	S:21, T:17S, R:32E	126.06	30.52	Apr 1970			MALJAMAR GRAYBURG SA R
30-025-23433	MCA UNIT BATTERY 2	251	LEA	S:21, T:17S, R:32E	126.06	30.52	Apr 1970			MALJAMAR
30-025-24267	MCA UNIT BATTERY 2	328	LEA	S:21, T:17S, R:32E	67.54	3.82	Jan 1977			MALJAMAR
30-025-24267	MCA UNIT BATTERY 2	328	LEA	S:21, T:17S, R:32E	141.46	0.43	Jan 1973			MALJAMAR GRAYBURG SA R
	MCA									

30-025-00617		UNIT BATTERY 2	091 LEA	S:21, T:17S, R:32E	14.89	257.61	Jan 1963	MALJAMAR	
30-025-24258		MCA UNIT BATTERY 2	326 LEA	S:21, T:17S, R:32E	87.18	21.54	Jan 1973	MALJAMAR GRAYBURG SA R	
30-025-24258		MCA UNIT BATTERY 2	326 LEA	S:21, T:17S, R:32E	25.32	0.25	Jan 1977	MALJAMAR	
30-025-00601	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	027 LEA	S:21, T:17S, R:32E	43.36	60.57	Jan 1963	MALMAJAR REPRESS	
30-025-00603	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	043 LEA	S:21, T:17S, R:32E	7.04	12.46	Jan 1963	MALJAMAR REPRESS	
30-025-12763	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	044 LEA	S:21, T:17S, R:32E	76.61	61.43	Jan 1969	MALJAMAR REPRESS	
30-025-12763	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	044 LEA	S:21, T:17S, R:32E	17.03	1.63	Mar 1968	MALJAMAR REPRESS	
30-025-08031	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	046 LEA	S:21, T:17S, R:32E	23.64	42.11	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00606	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	047 LEA	S:21, T:17S, R:32E	8.52	58.69	Jan 1968	MALJAMAR REPRESS	⊗
30-025-00610	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	067 LEA	S:21, T:17S, R:32E	27.00	124.50	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00611	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	069 LEA	S:21, T:17S, R:32E	5.00	141.14	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00616	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	090 LEA	S:21, T:17S, R:32E	30.68	153.79	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00609	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	092 LEA	S:21, T:17S, R:32E	31.00	231.57	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00608	CONTINENTAL OIL COMPANY	MCA UNI BATTERY 2	093 LEA	S:21, T:17S, R:32E	5.00	40.43	Jan 1963	MALJAMAR REPRESS	⊗
30-025-00000	BUFFALO OIL COMPANY	BAISH A	17Y LEA	S:21, T:17S, R:32E	8.14	0.00	Jan 1952	BAISH	
30-025-00000	BUFFALO OIL COMPANY	BAISH A	18Y LEA	S:21, T:17S, R:32E	21.17	0.00	Jan 1952	BAISH	
30-025-00000	BUFFALO OIL COMPANY	BAISH A	19Y LEA	S:21, T:17S, R:32E	12.69	0.00	Jan 1952	BAISH	
30-025-00000	BUFFALO OIL	BAISH A	22Y LEA	S:21, T:17S,	8.45	0.00	Jun 1952	BAISH	

	COMPANY			R:32E				
30-025-00000	BUFFALO OIL COMPANY	BAISH A	23Y LEA	S:21, T:17S, R:32E	29.00	0.00	Jun 1952	BAISH
30-025-00000	BUFFALO OIL COMPANY	BAISH A	001 LEA	S:21, T:17S, R:32E	5.00	0.00	Dec 1947	MALJAMAR REPRESSURING
30-025-00000	BUFFALO OIL COMPANY	BAISH A	002 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING F
30-025-00000	BUFFALO OIL COMPANY	BAISH A	003 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSUR POC
30-025-00000	BUFFALO OIL COMPANY	BAISH A	004 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSUR POC
30-025-00000	BUFFALO OIL COMPANY	BAISH A	012 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO IOL COMPANY	BAISH A	013 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO IOL COMPANY	BAISH A	014 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO OIL COMPANY	BAISH A	015 LEA	S:21, T:17S, R:32E	10.18	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO OIL COMPANY	BAISH A	016 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO IOL COMPANY	BAISH A	020 LEA	S:21, T:17S, R:32E	3.29	0.00	Jan 1949	MALJAMAR REPRESSURING
30-025-00000	BUFFALO OIL COMPANY	BAISH B	005 LEA	S:21, T:17S, R:32E	34.00	0.00	Jan 1945	MALJAMAR REPRESSURING
30-025-00000	BUFFALO OIL COMPANY	BAISH B	006 LEA	S:21, T:17S, R:32E	26.00	0.00	Mar 1947	MALJAMAR REPRESSURING

