

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 88241
DRM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MARALO, INC.

3. Address and Telephone No.

P. O. BOX 832, MIDLAND, TX 79702 (915) 684-7441

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 990' FEL, SEC. 20, T9S, R35E, UNIT A

5. Lease Designation and Serial No.

NM-83101

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

S. L. FEDERAL "20" #1

9. API Well No.

30-025-32289

10. Field and Pool, or Exploratory Area

JENKINS; DEVONIAN, NE

11. County or Parish, State

LEA, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

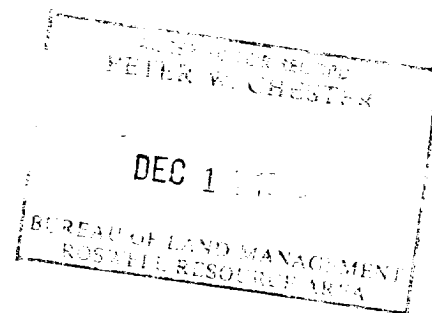
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other NTL-2B
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The S. L. Federal "20", Well #1, produces approximately 14 barrels of water per day from the Devonian formation. Effective November 17, 1998, produced water will be moved by disposal line to the Maralo, Inc., Barnes "20" #1 SWD, UL C, Section 20, T9S, R35E, Lea County, New Mexico. NMOCD SWD #652. See attached water analysis.



14. I hereby certify that the foregoing is true and correct

Signed Donna L. Leggett

Title REGULATORY ANALYST

Date NOVEMBER 18, 1998

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any: _____

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Phillip Smith LABORATORY NO. 129677
P. O. Box 832, Midland, TX 79702 SAMPLE RECEIVED 12-11-96
RESULTS REPORTED 12-13-96

COMPANY Maralo, Inc. LEASE As listed
FIELD OR POOL Jenkins
SECTION _____ BLOCK _____ SURVEY _____ COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Barnes "20" #1.
NO. 2 Produced water - taken from Bonds #1.
NO. 3 Produced water - taken from S. L. Federal "20" #1.
NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0417	1.0419	1.0422	
pH When Sampled				
pH When Received	6.65	7.16	6.76	
Bicarbonate as HCO ₃	93	549	537	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	5,400	6,350	6,350	
Calcium as Ca	1,630	2,100	2,120	
Magnesium as Mg	322	267	255	
Sodium and/or Potassium	19,749	19,572	19,059	
Sulfate as SO ₄	665	1,329	1,231	
Chloride as Cl	33,734	33,379	32,669	
Iron as Fe	324	5.1	172	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	56,192	57,196	55,871	
Temperature °F				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohm-cm at 77° F.	0.146	0.145	0.148	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks These results show the waters from Bonds #1 and S. L. Federal "20" #1 are very similar to one another and correlate well with natural Devonian. The water from Barnes "20" #1 shows some slight differences as compared to the other two wells in the form of a lower bicarbonate and sulfate and high iron. However, there is always a possibility for excessive iron to have some indirect influence on the bicarbonate. We do not consider this well to show sufficient difference in the water to indicate the likelihood that it is originating from a zone other than the Devonian. It is likely indicating some variations in Devonian water in the area.