

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
MEXICO 88240

FOR REVIEWED
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 **DRY**

2. Name of Operator

MARALO, INC.

3. Address and Telephone No.

P. O. BOX 832, MIDLAND, TX 79702

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

**660' FSL & 660' FML, UNIT M,
SEC. 10, T2S, R32E**

5. Lease Designation and Serial No.

NM-86147

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

EMERALD FEDERAL #1

9. API Well No.

30-025-31976

10. Field and Pool, or Exploratory Area

LIVINGSTON RIDGE, E. (DELAWARE)

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 **ADDITIONAL PERFS - SAME POOL**
☐ 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.)*

PROPOSED
OPERATION:

Test Uphole Brushy Canyon Pay

1. RUPU. RU wireline. TIH w/4" carrier guns, premium charges, and shoot 2 SPF @ 6894-6907' (total 28 holes). Depths based on Apollo GR/CBL/CCL run 9/20/94.
2. PU & TIH w/Sonic Hammer (F.T.I. Tech @ 580-0163) on 2 7/8" tbg. While in circulation mode (annulus open), pull tool across perfs while pumping 2% KCl wtr to breakdown perfs.
3. Stimulate perfs by pulling Sonic Hammer across perfs in injection mode (annulus closed) while pumping 1000 gals 7 1/2% "mud clean-out" acid. TOH w/tbg & Sonic Hammer.
4. TIH w/5 1/2" treating pkr and tbg. Set pkr @ +/- 6800'.
5. Swab well and evaluate.
6. If warranted, RU Dowell to frac perfs 6894-6907 w/4300 gal 20# X-link gel carrying 14,000 lbs 16/30 sand preceded by 4500 gals "Bracketfrac" stage. Pump down tbg at a rate of 6 BPM ("Bracketfrac" at 5 BPM) with an anticipated maximum treating pressure of 3000 psi. Tag frac w/ Protechnics multiple-isotope tag w/one isotope in the "Bracketfrac" stage, a second isotope in the pad of the frac, and the third isotope in the sand portion of the frac.
7. Swab back load and evaluate.
8. TOH w/tbg & pkr. RU Schlumberger and run "after-frac" log. TIH w/pumping equipment and place on production.

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

Signed *Donalton L. Ryan*

Title **REGULATORY ANALYST**

Date **FEBRUARY 13, 1995**

(This space for Federal or State office use)

Petroleum Engineer

Approved by *Donalton L. Ryan*

Title

Date **3/17/95**

Conditions of approval, if any: