

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.C. BOX 1980
MORRIS, NEW MEXICO 88740

FORM 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' FSL & 660' FML

UNIT M, SECTION 10, T22S, R32E

5. Lease Designation and Serial No.

NM-86147

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

30-0540-31974

8. Well Name and No.

EMERALD FEDERAL #1

9. API Well No.

30-025-31976

10. Field and Pool, or Exploratory Area

LIVINGSTON RIDGE; DELAWARE EAST

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

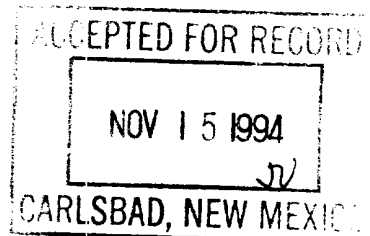
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **COMPLETION**

- ☐ 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.)*

SEE ATTACHED SHEET



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

Signed *Dorothea Gosar*

Title **REGULATORY ANALYST**

Date **OCTOBER 24, 1994**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

- 10/03/94 Finish in hole w/bit & DC's. Drld out retainer & cement from 7038' to 7153'. Test zone 5 squeeze to 500 psi, lost 100 psi in 15 min. Pressure squeeze to 1000 psi, lost 100 psi in 15 min. Pressure squeeze to 2000 psi, lost 100 psi in 15 min. RIH & tag top of sand @ 7250'. POH & LD DC's & bit. RU Black Warrior WL. Correlate & ran CBL from 7250' to 6750' w/1000 psi on csg. Log showed good cement bond from squeeze. Pressure seeping thru sand and the zone 4 perfs. RD Black Warrior. PU & TIH w/4 3/4" bit & csg scraper on 10 stds tbg. SIW. SDON.
- 10/04/94 Finish in hole w/bit & csg scraper to top of sand. Displace hole w/2% KCl wtr. Reverse out sand from 7250' to RBP @ 7508'. POH & LD bit scraper. PU & TIH w/5 1/2" Baker AST pkr & retrieving head. Set pkr @ 7478'. Test RBP to 2000 psi, ok. Pull up & set pkr @ 7179'. Isolate zone 4 perfs 7269-7395', 19 holes. Pressure backside to 1000 psi, ok. Pressure tbg Establish injection rate @ 2 BPM @ 1350 psi. SIW. SDON. Set & fill frac tank. Prep to frac.
- 10/05/94 RU BJ Services. Pressure backside to 1000 psi. Frac zone 4 perfs 7269-7395', 19 holes w/21,000 gals Spectrafac G3000 carrying 31,500# 20/40 Ottawa sand + 13,500# 20/40 resin coated as follows: (a) 10,500 gal gel pad; (b) 750 gal gel + 1#/gal 20/40 sand; (c) 750 gal gals gel + 2#/gal sand; (d) 1500 gals gel + 3#/gal sand; (e) 1500 gals gel + 4#/gal sand; (f) 3750 gals gel + 5#/gal sand; (g) 2250 gal gel + 6#/gal resin coated sand; (h) flushed to top perf w/slick 2% KCl wtr. Avg pressure 1600 psi. Max pressure 2430 psi. Avg rate 10 BPM. ISIP 680 psi, 5 min 650 psi, 10 min 600 psi, 15 min 565 psi. SIW. RD BJ Services. SDON. 531 BLTR.
- 10/06/94 20 hr SITP 0 psi. Released pkr. RIH. RU pump truck. Wash 160' sand off RBP & release same. POH & LD pkr & plug. PU & TIH w/Maralo 5 1/2" Model "R" pkr + SN on 233 jts 2 7/8" tbg. ND BOP. Set pkr @ 7176'. NU tree. Load & pressure backside to 500 psi, ok. SIW. SDON. Prep to swab zones 1, 2, 3 & 4. 1652 BLTR.
- 10/07/94 14 hr SITP 0 psi. Rigged to swab. IFL @ 600' FS. Swabbed 243 BW in 10 hrs. FL steady @ 2300' FS last 5 hrs. No show of oil or gas. SIW. SDON. 1409 BWUL.
- 10/08/94 14 hr SITP 0 psi. Rigged to swab. IFL @ 1300' FS. Swabbed 202 BW in 8 hrs. FL steady @ 2500' FS. No show of oil or gas. SIW. SD for Sunday. 1207 BWUL.
- 10/09/94 SD Sunday.
- 10/10/94 38 hr SITP 0 psi. Rigged to swab. IFL @ 1400' FS. Trace of oil on first run. Swabbed 65 BW & trace oil in 3 hrs. LD swab. 742 BWUL. ND tree. NU BOP. Release pkr. POH & LD same. PU & TIH w/30' mud anchor w/tap bull plug + 4' perf sub + SN + tbg anchor on 264 jts 2 7/8" tbg. ND BOP. Set tbg anchor w/14 points. NU wellhead. Btm of mud anchor @ 8133'. SN @ 8098'. Tbg anchor 4 jts above SN @ 7972'. SIW. SDON.
- 10/11/94 Unload 154 - 7/8" + 174 - 3/4" Norris Type 97 sucker rods. PU & TIH w/2 1/2" x 1 1/2" x 20' w/15' gas anchor + 7/8" x 2' sub + 20 - 7/8" + 172 - 3/4" + 131 - 7/8" sucker rods + 4', 6' & 8' subs + 1 1/4" x 22' polish rod w/1 1/2" x 12' liner. Stroke pump & pressure tbg to 500 psi. Spaced out & clamp off rods. SIW. RD & MO pulling unit. 23 jts 2 7/8" tbg + 3 - 7/8" + 2 - 3/4" rods surplus on location. Load out tree & sent to J&W Services.
- 10/12/94 MI & set Lufkin pumping unit w/60 HP motor & size 4 control panel from the Southland Royalty C-3. Build wellhead. Lay flowline to frac tanks. Set generator & diesel tank. Pumping to frac tanks @ 5:00 p.m. w/100" stroke @ 12 SPM. 1251 BWUL, includes 109 bbls from backside of pkr.
- 10/13/94 In 16 hrs pumped 0 BO + 121 BW. 1130 BWUL.
- 10/15/94 In 24 hrs pumped 0 BO + 336 BW. 485 BWUL.
- 10/16/94 In 24 hrs pumped 0 BO + 311 BW. 174 BWUL.
- 10/17/94 In 24 hrs pumped 0 BO + 335 BW. 154 BWUL.
- 10/18/94 OPERATION: Set RBP above Zone 1 perfs & test Zones 2, 3, 4 MI RU pulling unit. Pump would not unseat. Back off rods. POH w/131 - 7/8" + 157 - 3/4" rods. ND wellhead. Release tbg anchor. NU BOP. POH w/30 jts 2 7/8" tbg to fluid. Rigged to swab. Swabbed FL down to 3000' FS. SIW. SDON.
- 10/19/94 Finished IOH w/rods, pump & tbg. PU & TIH w/5 1/2" cup type RBP + retrieving head w/2 3/8" x 2 7/8" pinned cross over + 30' mud anchor + 4' perf sub + SN + tbg anchor on 269 jts 2 7/8" tbg. Set RBP @ 8290'. POH & LD 35 jts tbg. Total 234 jts in hole. ND BOP. Tbg anchor would not set. NU BOP. SIW. SDON.

