Form 3160-5
(November 1983)
Formerly 9-331)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

RECEIVED
SEP 17 8 24 AM '90
CARLSBAD, NEW MEXICO

## SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER

5. LEASE DESIGNATION AND SERIAL NO.: NM-32591

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: North Maduro Federal Unit

2. NAME OF OPERATOR: Union Oil Company of California

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: P. O. Box 671 - Midland, TX 79702

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1800' FSL & 2060' FWL Unit K

10. FIELD AND POOL, OR WILDCAT: South Tonto Bone Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T19S, R33E

14. PERMIT NO.: 30-025-30650

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3606' GR

12. COUNTY OR PARISH: Lea | 13. STATE: NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☒ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | |
| (Other) | | | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. 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.)*

Procedure to hydraulically fracture stimulate the 2nd Bone Springs Sand:

1. MIRU DDPU. POOH w/pump & rods. ND wellhead. NU BOP. Circ well w/2% KCl fluid. POOH w/tbg.
2. Fracture stimulate 2nd Bone Springs Sand perfs 9940-10,062 w/95,000 gals of Hybor 35 w/254,400 pounds of 20/40 Super HS resign coated sand @ 30 BPM and 4000 psi maximum pressure as follows:

| Volume (gals) | Fluid Type | Proppant/Diverting Type / Agent | Concentration (lbs/gal) |
|---|---|---|---|
| 40,000 | Hybor 35 | -------Pad-------- | |
| 15,000 | Hybor 35 | 20/40 Super HS | 2-4 (Ramp) |
| 30,000 | Hybor 35 | 20/40 Super HS | 4-6 (Ramp) |
| 10,000 | Hybor 35 | 20/40 Super HS | 6 |
| 9,700 | Base Gel | ------Flush------- | |

3. Shut well in overnight and allow gel to break. Flow well back.
4. RU Schlumberger and run after frac Gamma Ray log and check ETD.
5. RIH & land 2-7/8" production tbg. RIH w/pump & rods. Place on production.

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

SIGNED Charlotte Beeson TITLE Drilling Clerk DATE 9-13-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE PETROLEUM ENGINEER DATE 9-18-90

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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.