

**U. S. OIL CONS. COMMISSION**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

SUBMIT IN TRIPLI TE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

LEASO 88240

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

2. NAME OF OPERATOR  
 Union Oil Company of California

3. ADDRESS OF OPERATOR  
 P. O. Box 671 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1,980' FNL & 660' FEL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 17 Miles South-Southeast of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 641.72

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. --

19. PROPOSED DEPTH 13,800'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,574.38' GR

22. APPROX. DATE WORK WILL START\* Upon approval

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-10601-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal "31-G"

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Gem, Morrow Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 31, T-19-S, R-33-E

12. COUNTY OR PARISH 13. STATE  
 Lea New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" OD	48#	1,350'	1100 sx circ.
12-1/4"	9-5/8" OD	40#	5,250'	2600 sx DV tool @ 3,267'
7-7/8"	5-1/2" OD	17#	13,653' TD	1760 sx DV tool @10,653'

NOTE: WELL WAS DRILLED TO 13,653' IN THE LOWER MORROW AND PLUGGED BACK TO THE MIDDLE MORROW WHERE IT WAS ORIGINALLY COMPLETED 4-4-81. WE PROPOSE TO DRILL DEEPER IN THE LOWER MORROW SINCE A RECENT STUDY INDICATES THAT ALL OF THE LOWER MORROW FORMATION WAS NOT PENETRATED WHEN THE WELL WAS DRILLED ORIGINALLY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

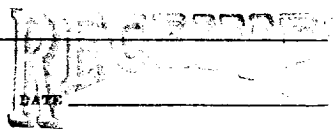
24. SIGNED J.R. Hughes TITLE Dist Drlg Supt. DATE 8-9-82

(This space for Federal or State office use)

PERMIT NO. (Orig. Sgd.) GEORGE H. STEWART APPROVAL DATE AUG 20 1982

APPROVED BY JAMES A. GILLHAM TITLE DISTRICT SUPERVISOR

CONDITIONS OF APPROVAL, IF ANY:

  
 MINERALS DIVISION  
 ROSWELL, NEW MEXICO