

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY50-043-20067  
5. LEASE DESIGNATION AND SERIAL NO.  
NM-0122353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Caldwell Federal  
USA NM-0122353

9. WELL NO.

1 (M-13)

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 13, T. 21N., R. 5W.

12. COUNTY OR PARISH 13. STATE

Sandoval

New Mexico

## 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 2620 - Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

654' FWL, 657' FSL, Section 13, Township 21 North,

At proposed prod. zone Range 5 West

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit hse, if any)

654'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

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

19. PROPOSED DEPTH

12,000'

20. ROTARY OR CABLE TOOLS

Rotary

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

7136' GR

22. APPROX. DATE WORK WILL START\*

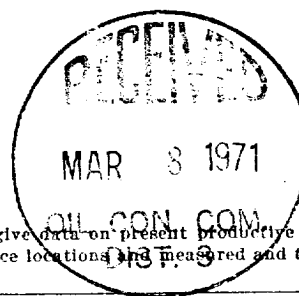
March 12, 1971

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	40.5#	1150'	To circulate to surface
5-1/2"	7-7/8"	17 & 20#	12,000'	350

Propose to drill 15" hole to 1150' or base of Ojo Alamo. Run and cement 10-3/4" casing. Drill 9-7/8" hole to 6000' in Dakota. Reduce hole to 7-7/8" and drill to TD. If production is indicated, 5-1/2" casing will be run and cemented and well completed with 2-7/8" tubing. In the event hole conditions require 8-5/8" casing will be run to 6000' and well finished with 7-5/8" bits.



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

A. T. Mannon, Jr.

TITLE

District Drilling Supt.

DATE

3-5-71

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

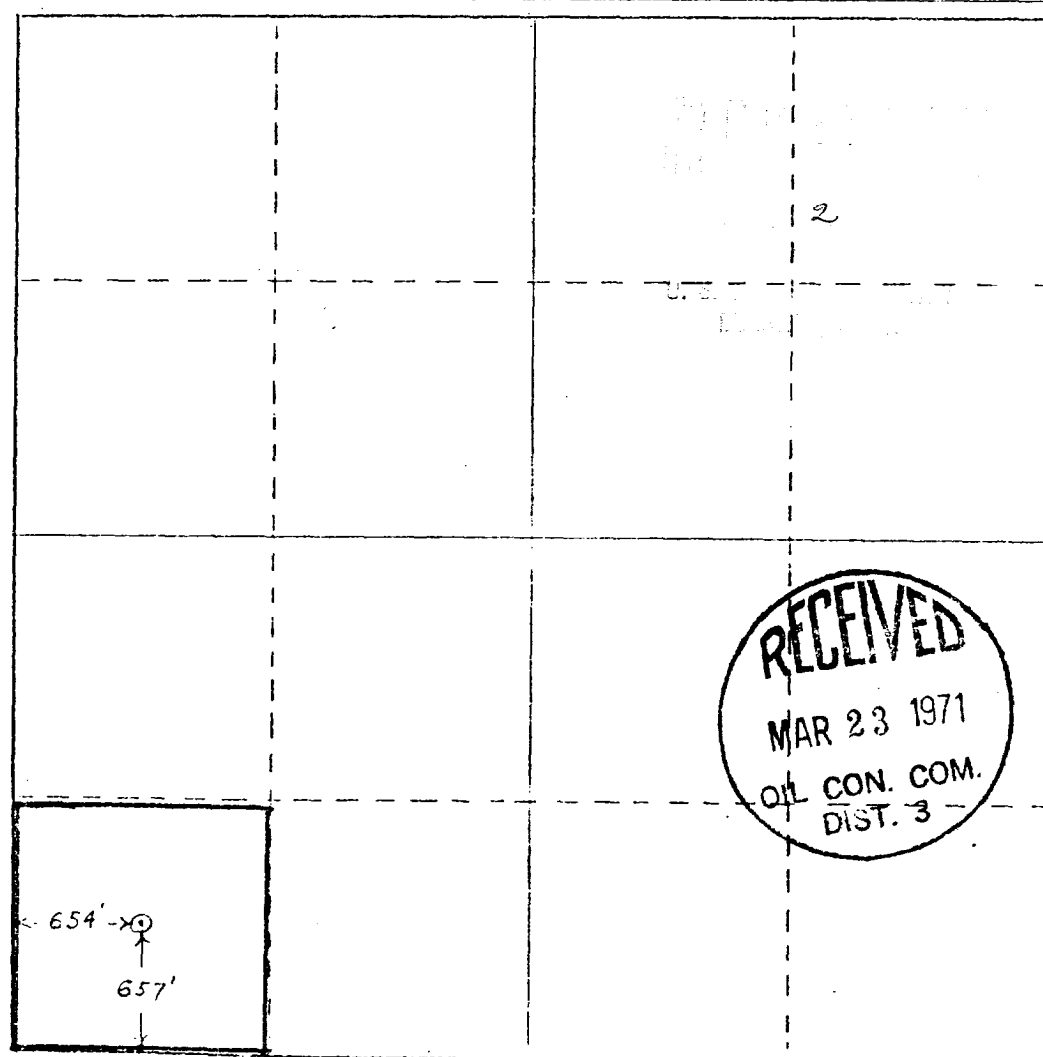
Operator <b>Union Oil Company of California</b>		Lease <b>Caldwell Federal</b>		Well No. <b>1 (M-13)</b>
Unit Letter <b>M</b>	Section <b>13</b>	Township <b>21 North</b>	Range <b>5 West</b>	County <b>Sandoval</b>
Actual Percentage Location of Well:				
<b>657</b> feet from the <b>south</b> line and		<b>654</b> feet from the <b>west</b> line		
Ground Level Elev. <b>7136'</b>	Producing Formation <b>Madera (Penn.)</b>	Pool <b>Wildcat</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



#### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*H. Mannon Jr.*  
Position

District Drilling Supt.

Company  
Union Oil Company of Calif.

Date  
March 17, 1971

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
March 3, 1971

By *Frederick H. Reed*  
and *Frederick H. Reed*

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