

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

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
3300 N. Butler, Suite 200, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1154' FNL - 1850' FWL
At proposed prod. zone
same

5. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
19 miles SE of Blanco, NM

6. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 1154' FNL

7. NO. OF ACRES IN LEASE
760

8. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
800'

9. PROPOSED DEPTH
7870

10. NO. OF ACRES ASSIGNED
TO THIS WELL
N/320/180320

11. ROTARY OR CABLE TOOLS
Rotary

12. APPROX. DATE WORK WILL START*
April 1, 1991

13. ELEVATIONS (Show whether DE, RL, GR, etc.)
6737' GL (proposed) (also proposed to 43 CFT 3160-3
and applied pursuant to 43 CFR 1183.4)

14. 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"	48# H-40	500'	708 cf-Circ. to Surface
12 1/4"	9 5/8"	40# K-55	(1300') 4800'	Stage 1- 776 cf-Circ. to DV
DV Tool @ 3142	9 5/8"	36# K-55	(3500')	Stage 2-1496 cf-Circ. to Surface
8 3/4"	7"	26# N-80	(3070') 7870'	Stage 1- 303 cf-Circ. to DV
DV Tool @ 6300	7"	23# K-55	(4800')	Stage 2- 424 cf-Circ. to 9 5/8 Shc

Proposed to spud in San Jose Formation. Will drill a 17 1/2" hole to a TD of 500'. Run and cement surface casing with returns to surface. WOC 18 hours. Pressure test to 600 psi/30 minutes. Drill a 12 1/4" hole to a TD of 4800' using fresh water mud. Will run logs at TD. Run and cement intermediate casing in two stages with returns to surface. WOC 18 hours. Pressure test to 1500 psi/30 minutes. Drill 8 3/4" to a TD of 7870' using air/mist. Logs will be run at TD. Run and cement production casing in two stages with returns to intermediate casing shoe. WOC 6 hours. The Mesa Verde and Dakota intervals will be selectively perforated and stimulated with fresh water or fresh water based gel fluids. Surface ownership is BLM.

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 prevention program, if any.

SIGNED Bill J. H. [Signature] TITLE District Petroleum Engineer DATE 03/21/91

This space for Federal or State Police use

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

APR 15 1991

TITLE _____

OIL CON. DIV.
DIST. 3

RM000

*See Instructions On Reverse Side

APPROVED
AS AMENDED

APR 13 1991
[Signature]
AREA MANAGER

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-103
Supersedes C-121
Effective 1-1-83

All distances must be from the outer boundaries of the Section.

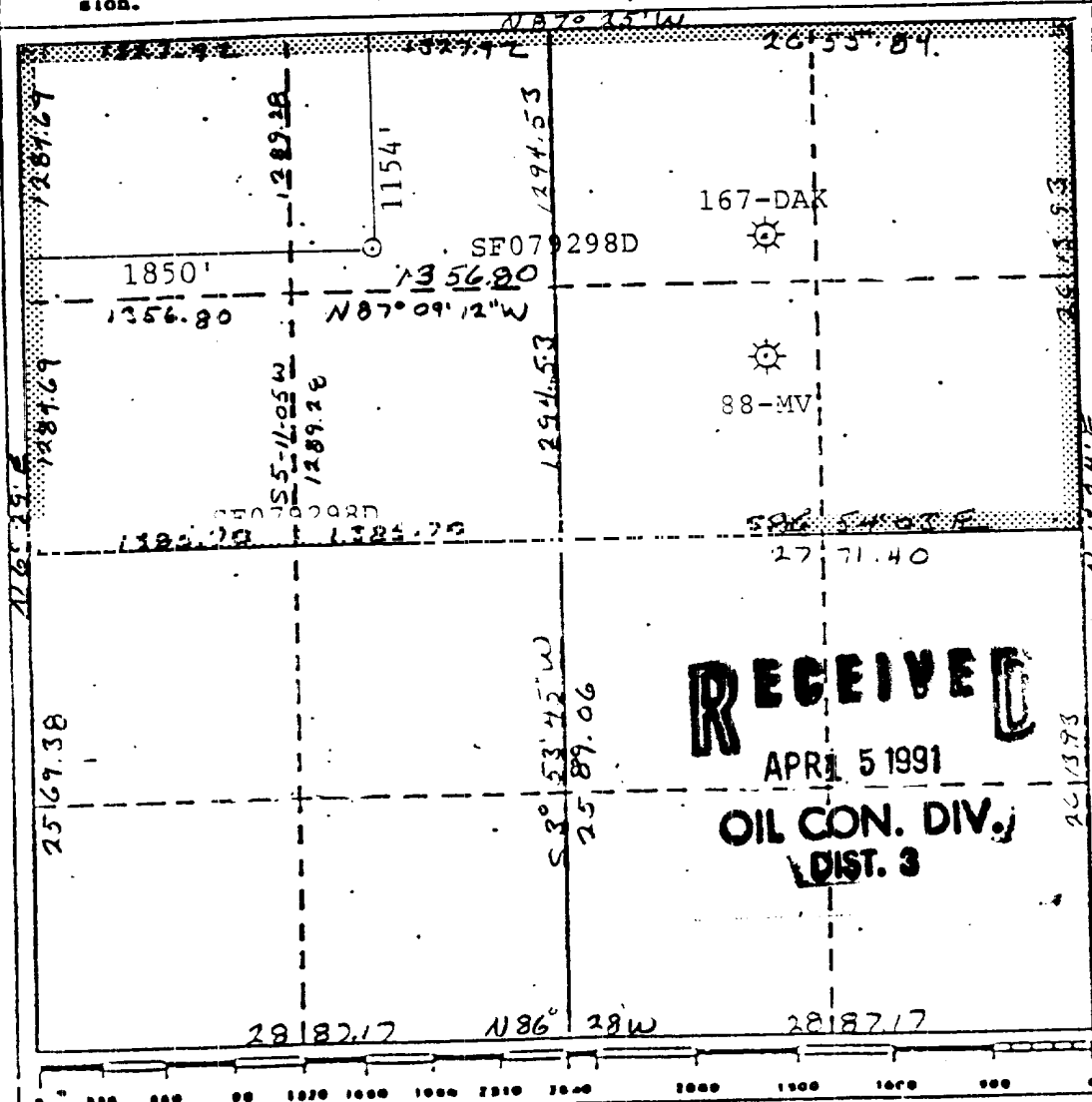
Operator UNOCAL		Lease RINCON		Well No. 167M
Unit Letter C	Section 13	Township 27N	Range 7W	County San Juan
Actual Footage Location of Well 1154 feet from the North line and 1850 feet from the West line		018 FARMINGTON, N.M.		
Ground Level Elev. 6737	Producing Formation Dakota - Mesa Verde	Pool Basin - Blanco	Dedicated Acreage 320/460 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 N/A

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, force-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.

Name
Bill Hering

Position
District Petroleum Engr.

Company
UNOCAL

Date
03/18/91

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey 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 1, 1989

Registered Professional Engineer and/or Land Surveyor

Cecil B. Tullis

Certificate No.
.9672

