

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

3. ADDRESS OF OPERATOR

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

At proposed prod. zone 1695 FNL & 1735 FWL
Same

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

22 miles SE of Blanco, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 915

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2000

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6620' Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12.25"	9.625"	36#	350
8.75"	7.00"	23#	7690

Stage tool @ 4500' +-
ClB. 2nd stage 500 sxs (935cuft) extended Cl B. tail w/ 150 sxs (177cuft)
Cl. B w/2% CaCl2

Union Oil Company of California wishes to advise that we intend to drill a 12.25" hole to 350' with mud. Run 9.625" casing to 350' and cement to surface with 200 sxs Cl B cement. Nipple up and test BOP. Drill 8.75" hole to 7690' with mud. Log well. Run 7" production casing to 7690'. Cement with 350 sxs extended Cl. B. tailed with 150 sxs Cl. B. Second stage 500 sxs extended Cl. B. tailed by 150 sxs Cl.B. with 2% CaCl2. Perforate pay section in the Mesaverde and Dakota Sands. Stimulate as required.

RECEIVED

JUN 12 1992

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 directional, give data on surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. OIL CON. DIV. DIST. 3

SIGNED Jim Benson TITLE Dist. Drlg. Supt. DATE 3/26/92

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY: TITLE

OK

NMOCD

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.
NM-013654
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
Rincon Unit
8. FARM OR LEASE NAME
Rincon Unit
9. WELL NO.
159 M
10. FIELD AND POOL, OR WILDCAT
Blanco MV Basin DK
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
F Sec. 18-T27N-R6W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
NM

17. NO. OF ACRES ASSIGNED TO THIS WELL
N/2 320/1720

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
04/15/92

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

QUANTITY OF CEMENT
200sxs CL B (236 cuft)

350sxs (655 cuft) extended

Cl. B. tail w/ 150 sxs (177cuft)

APPROVED
AS AMENDED

JUN 11 1992

AREA MANAGER

Form C-102
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504

OIL CON. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator UNOCAL			Lease RINCON <i>Unit</i>		Well No. 159 M
Unit Letter F	Section 18	Township 27N	Range 6 W	County Rio Arriba	NMPM

Actual Footage Location of Well:

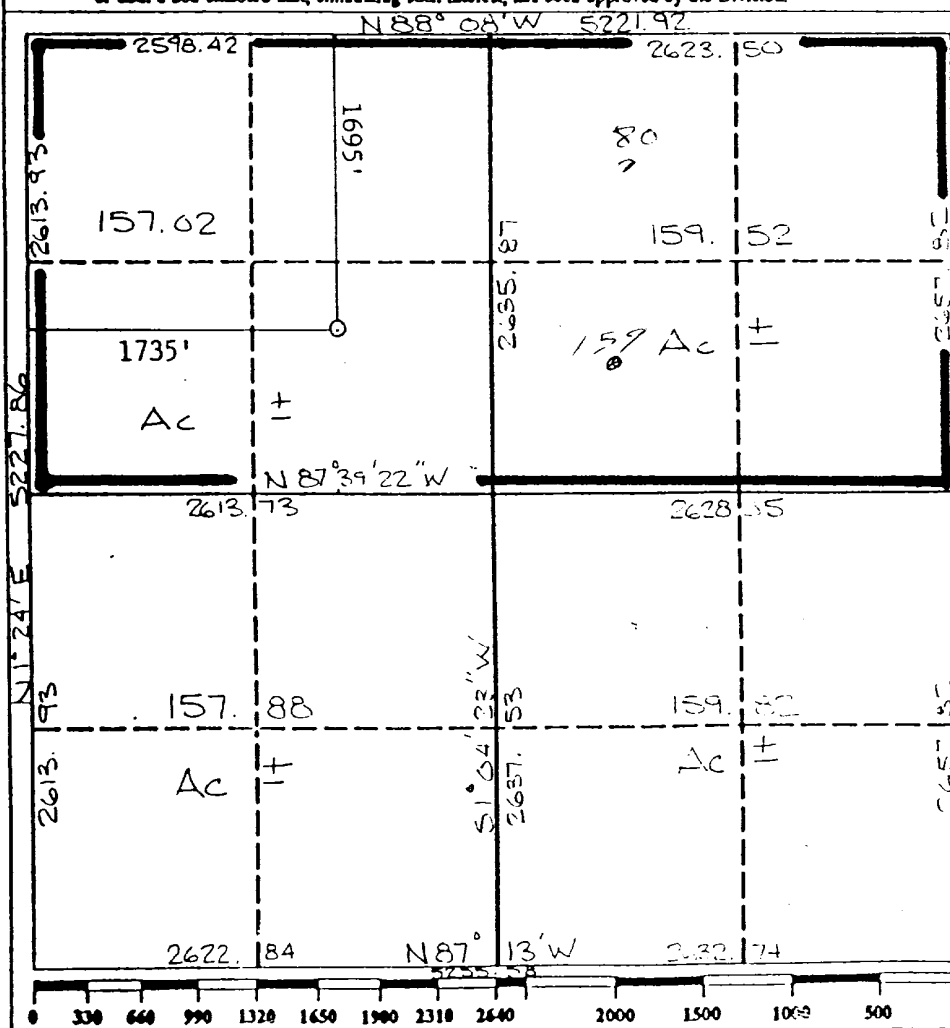
1695	feet from the North line and	1735	feet from the West line
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Ground level Elev. 6620	Producing Formation Mesaverde/Dakota	Pool Blanco/Basin	Dedicated Acreage: N/2 320 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. 3/8.
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 interest of all owners been consolidated by communitization, unitization, force pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
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 communalization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature Robert C. Frank

Printed Name
Robert C. Frank

Position	Agent
Company	Union Oil Company of California

Date
March 20, 1992

SURVEYOR CERTIFICATION

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
January 18, 1992

Signature of
Professional Surveyor

NEW MEXICO
1967
REGISTERED
B. Tullis
PROFESSIONAL LAND SURVEYOR
9672

Exhibit 1

Bureau of Land Management 02:57:05 AM 4/23/92
1235 LaPlata Highway
Farmington, NM 87401

Union Oil Company
of California
3300 N Butler Ste 200
Farmington, NM 87401

Attn.: Mr. John Keller

April 23, 1992

Subject: Casing, Centralizer and Cement Design Change
Rincon Unit 159 M
1695 FNL & 1735 FWL
Section 18-T27N-R6W
Rio Arriba Co., NM

Dear Mr. Keller,

In response to your letter of April 14, 1992, addressing deficiencies in the original APD for the well referenced above, please find an ammended casing, centralizer and cement design. I understand this letter will be attached to the existing APD and made an integral part of the APD.

CASING

Surface

<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight lb/ft</u>	<u>Collapse Pres. at bottom</u>	<u>Collapse Res. in tension</u>	<u>Collapse Design Factor</u>
350	12.25	9.6125	36 K-55 ST&C	170	2020	11.9

Cementing Hardware: Guide shoe with insert float collar
Centralize shoe joint

Production Stage tool: 4700' +/-

<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight lb/ft</u>	<u>Collapse Pres. at bottom</u>	<u>Collapse Res. in tension</u>	<u>Collapse Design Factor</u>
7690-5800	8.75	7.0	26 N-80 LT&C	3759	5301	1.4
5800-surface	8.75	7.0	23 N-80 LT&C	2835	3255	1.15