

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-013654
2. Name of Operator Union Oil Company of California	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 3300 N. Butler, Suite 200 Farmington, NM 87401 505-326-7600	7. If Unit or CA, Agreement Designation RINCON UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1695' FNL and 1735' FWL Sec. 18, T27N, R6W, NW 1/4	8. Well Name and No. No. 159M
	9. API Well No.
	10. Field and Pool, or Exploratory Area Basin DK/Blanco MV
	11. County or Parish, State Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Remedial Cement	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

8/20/92

RU Basin WL. RIH. Correlate w/ DV collar and tubing collars. Set BP @ 4880', fill csg, tst BP 500 psi/10 mins, OK. RIH. Perforate 3 holes per foot @ 2975'. PMP w/ rig pmp 2 BPM, 800 psi. RIH Baker full bore packer on 2-3/8" tbg, 88 jts. Set @ 2760'. Rig up Western Cmtrs - est circ rate 2.5 BPM, 850 psi hold pre-cmt safety mtg (max 1500 psi - briefing zone - safety area). Pmp 3 BW ahead of 525 sx 65:35 poz, 12% gel, 6-1/4# per sk gilsonite, tail w/ 50 sx C1 'B' neat, 2% CaCl cmt lead slurry, 11.8#, tail 16.5#, Disp to 2760' (pkr depth) w/ 12.8 BW (2 bbls clear pkr) CIP 14:15. Cmt ret 30 sks, WOC 1/2 hour sqz, Sqz intermittently while WOC 3 hrs. Bleed press 700 psi off @ 3 hrs - 5:15 pm. Blow back. Press back to 800 psi. SWI w/ 800 psi.

RECEIVED  
OCT 08 1992

OIL CON. DIV

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

Signed W. L. IRWIN Title District Petroleum Engineer Date 9/22/92

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ ACCEPTED FOR RECORD

Conditions of approval, if any: \_\_\_\_\_

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.

\*See instruction on Reverse Side

FARMINGTON RESOURCE AREA

BY SM

Unocal North American  
Oil & Gas Division  
Unocal Corporation  
3300 North Butler Avenue  
Suite 200  
Farmington, New Mexico 87401  
Telephone (505) 326-7600  
Fax: (505) 326-6145



September 22, 1992

CERTIFIED RETURN RECEIPT #P 551 204 519

Farmington District

United States Department of the Interior  
Bureau of Land Management  
1235 La Plata Highway  
Farmington, New Mexico 87401

Attention: John L. Keller

RECEIVED  
OCT 08 1992  
OIL CON. DIV.  
DIST. 3

RE: Rincon Unit No. 159M  
1695' FNL 1735' FWL SENW Sec. 18, T27N R6W  
Rio Arriba County, New Mexico  
Remedial Cement Job

Thank you for your notice of September 11, 1992 regarding the deficient primary cement job in the subject well. A remedial cement job was performed August 20, 1992 with full cement returns to surface. Please see the attached Sundry Notice.

If further information is required, please contact the undersigned or Jim Benson at (505)326-7600.

Sincerely,

Union Oil Company of California  
dba UNOCAL

William L. Irwin  
District Petroleum Engineer

Attachment

WLI/df

UNOCAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other \_\_\_\_\_

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 1655' FNL & 1735' FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. DATE ISSUED  
OIL CON. DIV.  
OCT 08 1992

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 #159M

9. WELL NO.

30-039-25179

10. FIELD AND POOL, OR WILDCAT

BLANCO MESA VERDE

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

SEC. 18-T27N-R6W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NEW MEXICO

15. DATE SPUDDED 7/1/92 16. DATE T.D. REACHED 7/21/92 17. DATE COMPL. (Ready to produce) 9/15/92 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6620' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7788' 21. PLUG BACK T.D., MD & TVD 7741' 22. IF MULTIPLE COMPL., HOW MANY\* 2 23. INTERVALS DRILLED BY 10-7788' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4898-4984' UPPER BLANCO MESA VERDE  
5432-5564' LOWER BLANCO MESA VERDE  
25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN HLS, SP, GR, 4 ARM CAL, DUAL SPACED NEUTRON 27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	358'	12 1/4"	240 SX CL "B"	
5 1/2"	17#	7788'	7 7/8"	1ST STG) 176 SX 50:50:4 CIRC	
	UPPER DV @	4680'		2ND STG) SHOT 3 HOLES PER FT @ 2975')	
	LOWER DV @	5908'		525 SX 65:35 POZ. T/W 50 SX CL "B" GMT	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7660'	5593'

31. PERFORATION RECORD (Interval, size and number)

UPPER MV: 4898-4938, 4952-60, 4966-74, 4978-84, 4 JSPF, 320 HOLES  
LOWER MV: 5432-52, 5460-5500, 5548-64, 2 JSPF, 152 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
UPPER 4898-4984'	102,647 GAL. 30# X-LINK 2% KCL GEL.
LOWER 5432-5564'	194,700# 20/40 BRADY SAND.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		FLOWING				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/8/92	24	24/64"	→	-0-	764	7	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
210	---	→				55.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED

TEST WITNESSED BY  
LES GIMBEL

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ACCEPTED FOR RECORD

SIGNED Malia Villers TITLE FIELD CLERK DATE 10/1/92

\*(See Instructions and Spaces for Additional Data 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REMOV. ☐ Other \_\_\_\_\_

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 all BLM requirements)\*

At surface 1650' FNL & 1735' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

OIL CON. DIST. 3

OCT 02 1992

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 #159M

9. WELL NO.

30-039-25179

10. FIELD AND POOL, OR WILDCAT

BASIN DAKOTA

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

SEC. 18-T27N-R6W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NEW MEXICO

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASING HEAD

7/1/92

7/21/92

9/15/92

6620' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

7788'

7741'

2

10-7788'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

7448-7672 BASIN DAKOTA

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

HLS, SP, GR, 4 ARM CAL, DUAL SPACED NEUTRON

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CASING RECORD	AMOUNT PULLED
8 5/8"	24#	358'	12 1/4"	240 SX CL "B"	
5 1/2"	17#	7788'	7 7/8"	1ST STG) 176 SX 50:50:4 CIRC	
	UPPER DV @	4680'		2ND STG) SHOT 3 HOLES PER FT @ 7975')	
	LOWER DV @	5908'		525 SX 65:35 POZ. T/W 50 SX CL "B" CMT	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7660'	5593'

31. PERFORATION RECORD (Interval, size and number)

7448-80, 7568-92, 7602-08, 7614-20,  
7626-72  
4 JSPF  
456 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7448-7672'	67,504 GAL 35# X-LINK 2% KCL GEL.
	260,700# 20/40 OTTAWA SAND.

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

FLOWING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/2/92	24	48/64"	→	-0-	598	4	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY API (60°F)
250	---	→				55°

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

VENTED

TEST WITNESSED BY

LES GIMBEL

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Malia Buller

TITLE FIELD CLERK

DATE 10/1/92

\*(See Instructions and Spaces for Additional Data 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.

**DISTRICT I**  
P.O.Box 1980, Hobbs, NM 88241-1980  
**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88211-0719  
**DISTRICT III**  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

Form C-107  
Revised 4-1-91

Filing Instructions  
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**APPLICATION FOR MULTIPLE COMPLETION**

Operator	Address		
UNION OIL COMPANY OF CALIFORNIA	3300 N. BUTLER, STE. 200, FARMINGTON, NM 87401		
Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
RINCON UNIT	159M	F 18-27 N-6W	RIO ARRIBA

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	BLANCO MESA VERDE		BASIN DAKOTA
b. Top and Bottom of Pay Section (Perforations)	4,898' - 5,564'		7,448' - 7,672'
c. Type of production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e. Daily Production <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	0 BOPD 600 MCFD 4 BWPD	<b>RECEIVED</b> OCT 02 1992 OIL CON. DIV DIST. 3	0 BOPD 550 MCFD 3 BWPD

2. The following must be attached:
- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or tubularizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
  - Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
  - Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

**OPERATOR:**

I hereby certify above information is true and complete to best of my knowledge, and belief.

Signature Craig Van Horn  
Printed Name & Title Field Superintendent  
Date 9/30/92 Telephone (505) 326-7600

**OIL CONSERVATION DIVISION**

Approved by: Original Signed by FRANK T. CHAVEZ  
Title: SUPERVISOR DISTRICT # 3  
Date: OCT 02 1992

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

**FILING INSTRUCTIONS:**

- District Approval -- See rule 112-A-B -- Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval -- See Rule 112-C -- Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

**RINCON UNIT NO. 159-M**  
**1695' FNL, 1735' FWL, SEC 18, T27N-R6W**  
**RIO ARRIBA COUNTY, NM**

KB Datum 11' Above GL

**8-5/8" 24# J-55 @ 358'**  
**CMT W/ 240 SX - CIRC TO SURF**

244 Jts, 2-3/8", 4.7# EUE J-55 tbg.  
 (FHD @ 7659')

**TOC @ 4680' by CBL**  
**DV TOOL @ 4683'**

**UPPER MESAVERDE**  
**4898-4938, 4952-60, 4966-74,**  
**& 4978-84' W/ 4 SPF**  
**5078-90, 5170-84 & 5254-64' W/ 2 SPF**

**LOWER MESAVERDE**  
**5432-52, 5460-5500 & 5548-64'**  
**W/ 2 SPF**

**Sliding Sleeve**  
**@ 5578'**

**Guilberson Uni VI**  
**pkc @ 5587'**

**DV TOOL @ 5912'**

**TOC @ 6210'**  
**by CBL**

**DAKOTA**  
**7448-80, 7568-92, 7602-08,**  
**7614-20 & 7626-72' W/ 4 SPF**

**5-1/2", 17# N-80 & J-55 @ 7788'**  
**CMT'D IN THREE STAGES: 1st stg w/ 355 sx (6210'-TD),**  
**2nd stg w/ 1570 sx (4680'-5908'), 3rd stg w/ 575 sx**  
**(Surf to 2975')**

**PBTD = 7730'**  
**TD = 7788'**

