

Unocal Oil & Gas Division  
Unocal Corporation  
900 Werner Court, P.O. Box 2620  
Casper, Wyoming 82602-2620  
Telephone (307) 234-1563



January 26, 1994

*Received in  
Santa Fe  
3/10/94*

State of New Mexico  
Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Attention: Ernie Busch

Dear Mr. Busch:

Union Oil Company of California (UNOCAL) requests permission for a nonstandard Tocito location for our Rincon Unit No. 11E well, located 2080' FSL & 2410' FEL, Section 6, T26N, R6W, Rio Arriba County, New Mexico.

This well is a proposed dual Basin Dakota/South Blanco Tocito well that does not conform, as staked, to a "standard" Tocito location. While this is a "legal" Dakota location (the Dakota being the deepest and primary zone of interest), it does not conform to the narrow window of a legal Tocito well. It is not feasible to move the proposed location to the SE to conform to a "legal" Tocito location due to a existing pipeline and the surrounding topography. See attachments.

The offset lease operator, Caulkins Oil Company has been contacted by certified letter requesting waiver of objection to this proposed unorthodox location.

If you have any questions, please contact me at (307) 234-1563, ext. 116. Thank you for your help in this matter.

Sincerely,

Jim Benson  
Drilling Superintendent

Attachments  
JBB:co

**RECEIVED**  
JAN 31 1994  
OIL CON. D.  
DIST. 3

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>UNOCAL</b>			Lease <b>RINCON</b>			Well No. <b>11-E</b>		
Unit Letter <b>J</b>	Section <b>6</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>NMPM</b>		RIO ARRIBA		
Actual Footage Location of Well: 2080 feet from the <b>SOUTH</b> line and 2410 feet from the <b>EAST</b> line								
Ground level Elev. <b>6550</b>		Producing Formation			Pool		Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

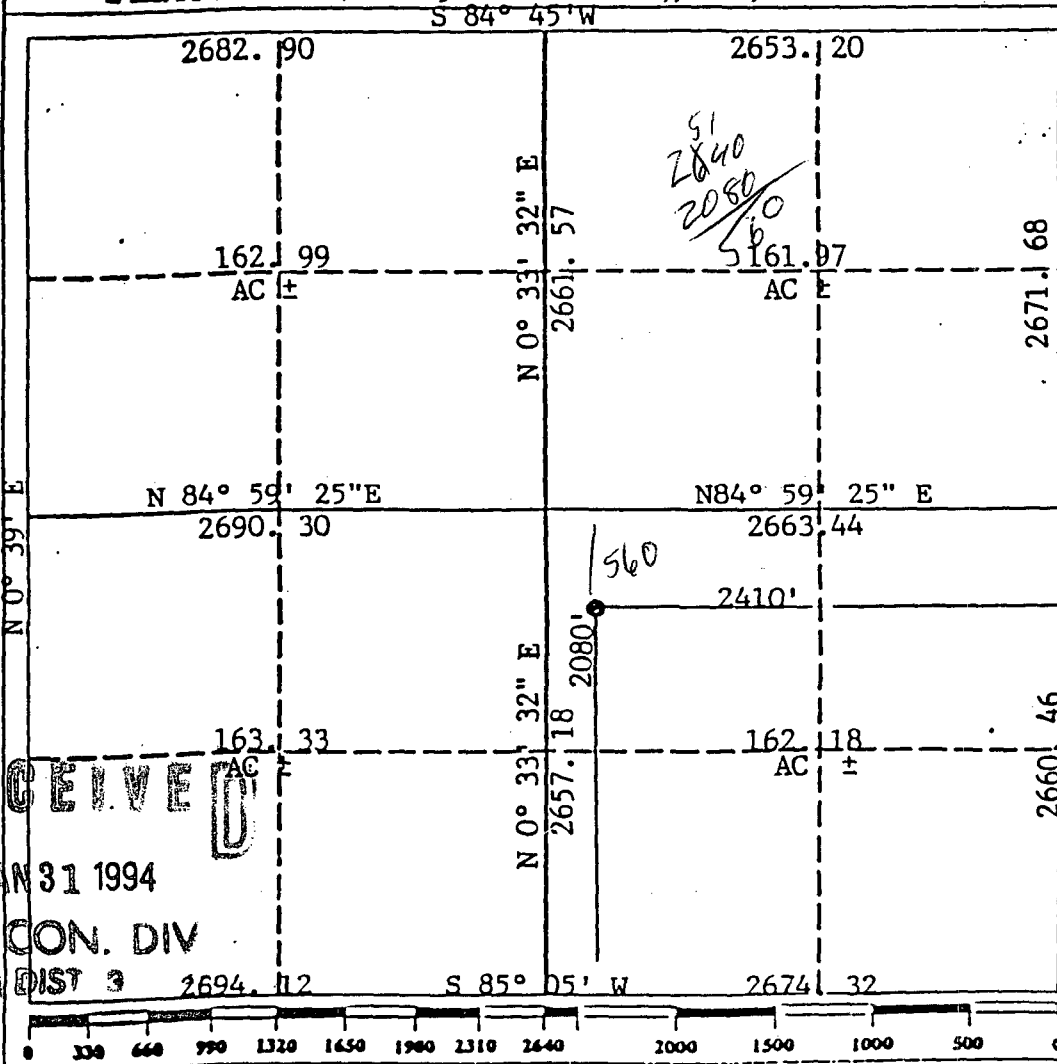
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 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

Printed Name

Drilling Superintendent

Position

Union Oil Co. of Calif.

Company

1-12-94

Date

SURVEYOR CERTIFICATION

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

Date Surveyed

October 10, 1993

Signature & Seal of Professional Surveyor

B. TULLIS

1967

Geil B. Tullis

Certification No.

1967 PROFESSIONAL LAND SURVEYOR

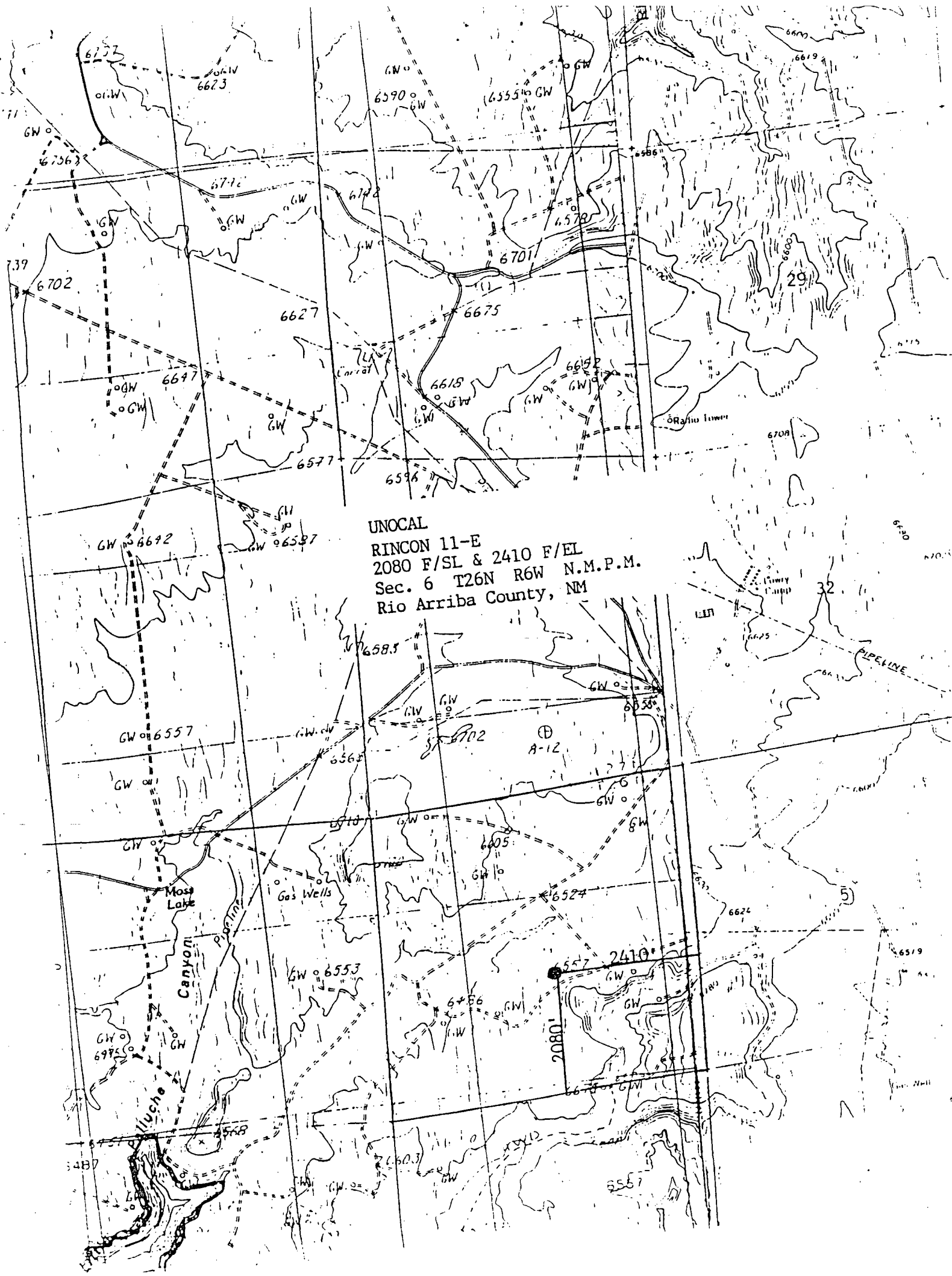
RECEIVED

JAN 31 1994

OIL CON. DIV

DIST 3

UNOCAL  
RINCON 11-E  
2080 F/SL & 2410 F/EL  
Sec. 6 T26N R6W N.M.P.M.  
Rio Arriba County, NM



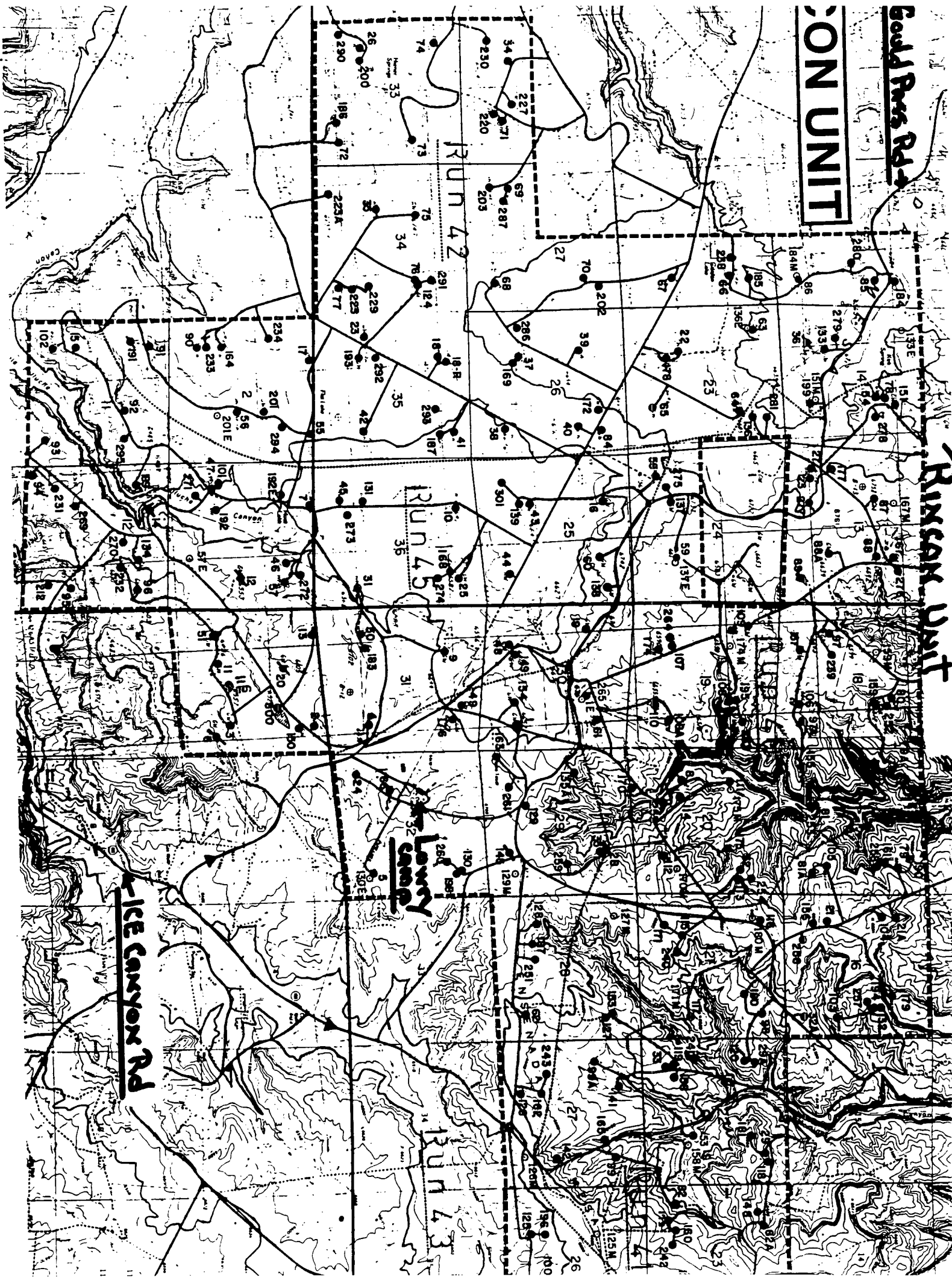
**Gold Pines Rd**

**ION UNIT**

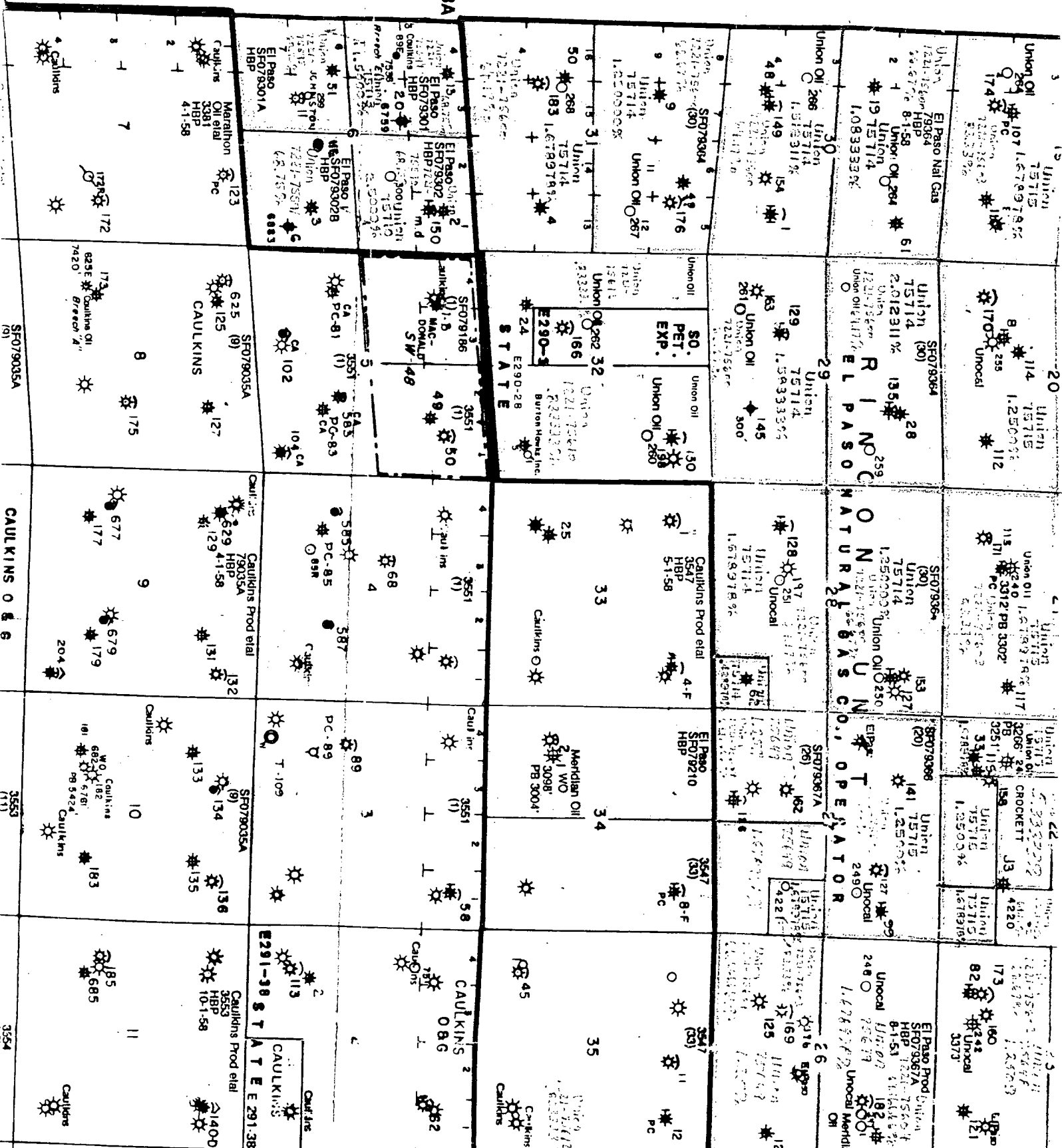
**RINCON UNIT**

**Lowry Canyon**

**ICE Canyon Rd**



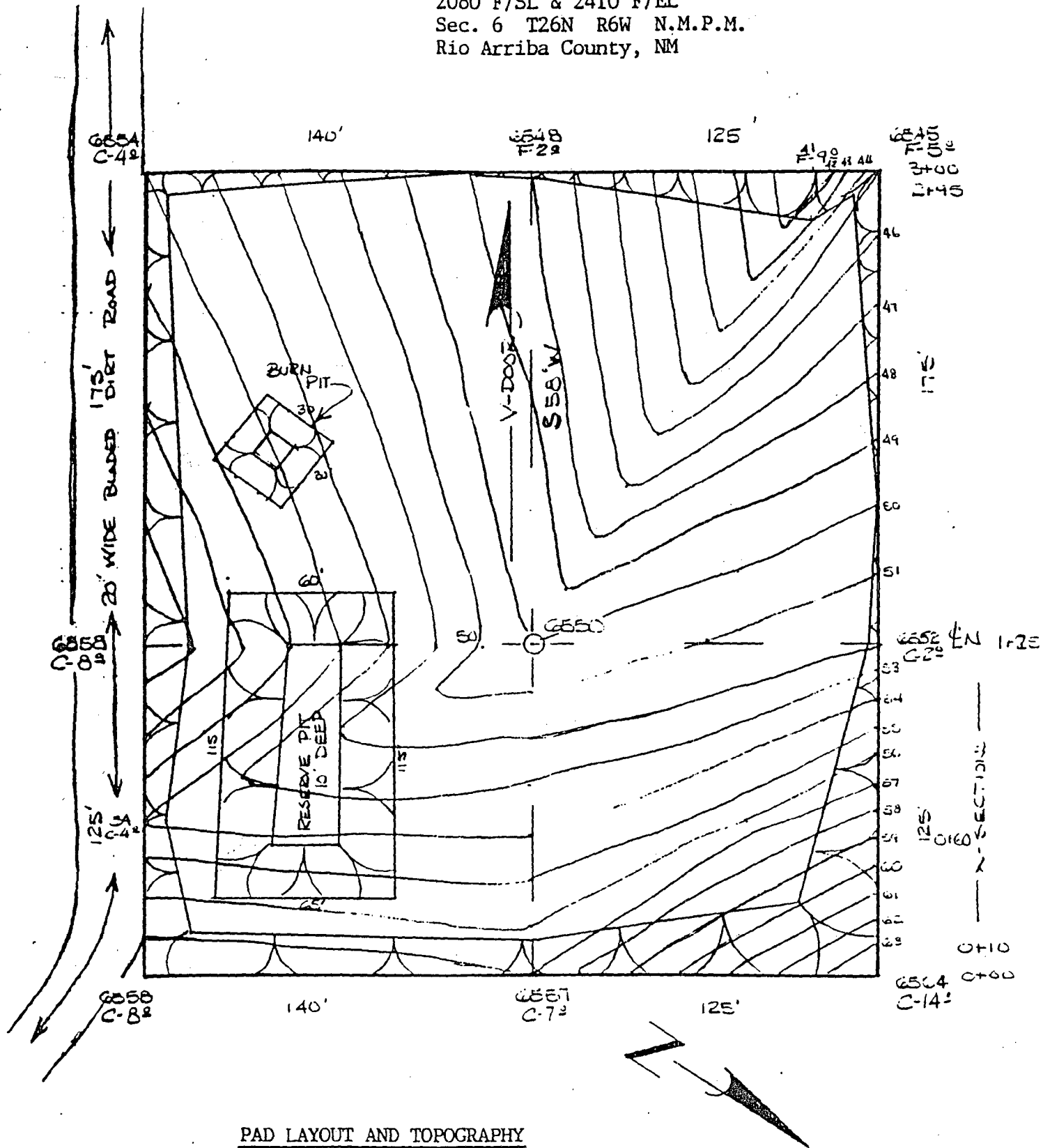
**RIO ARRIBA**  
NM16  
26N-6W



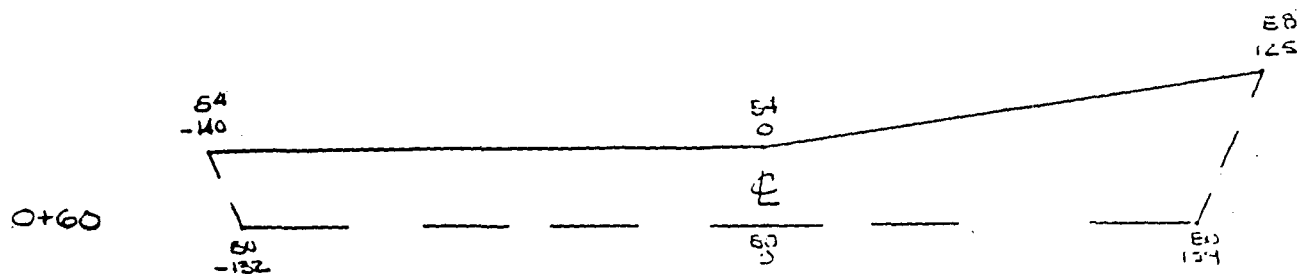
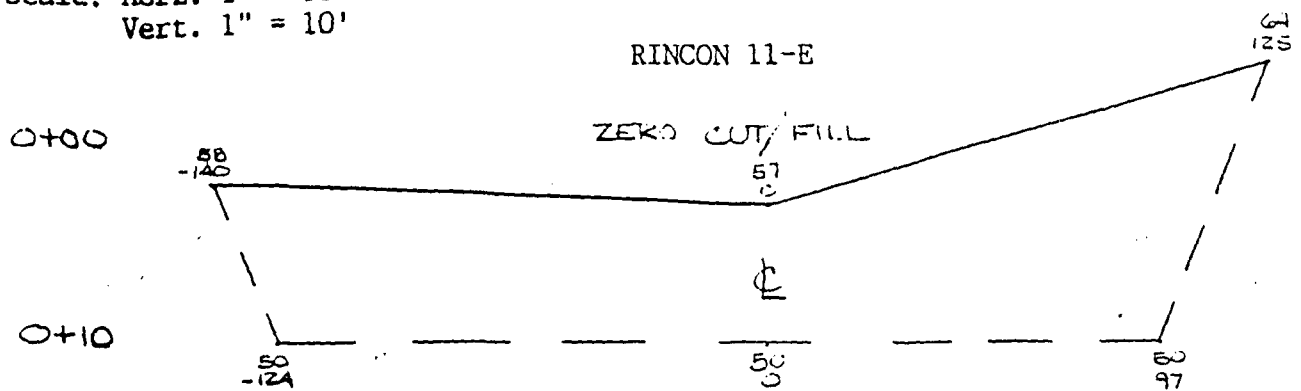
Scale 1" = 50'

Contour Int. = 1'

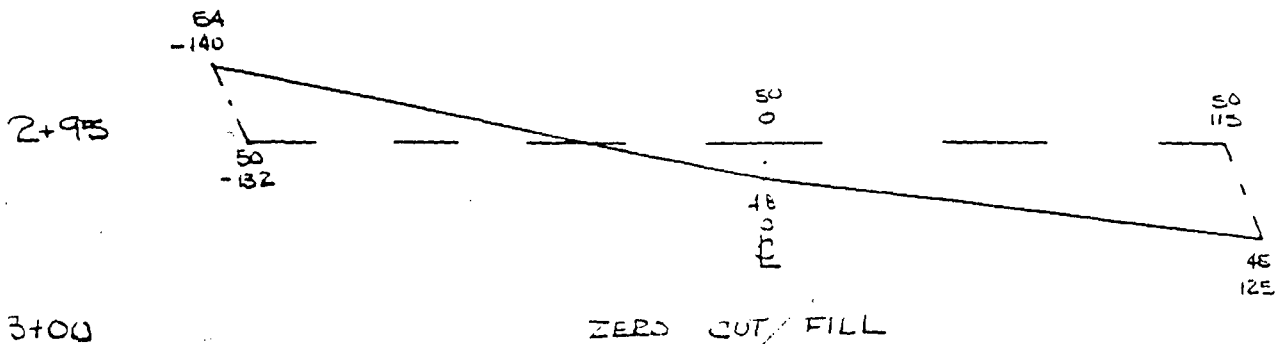
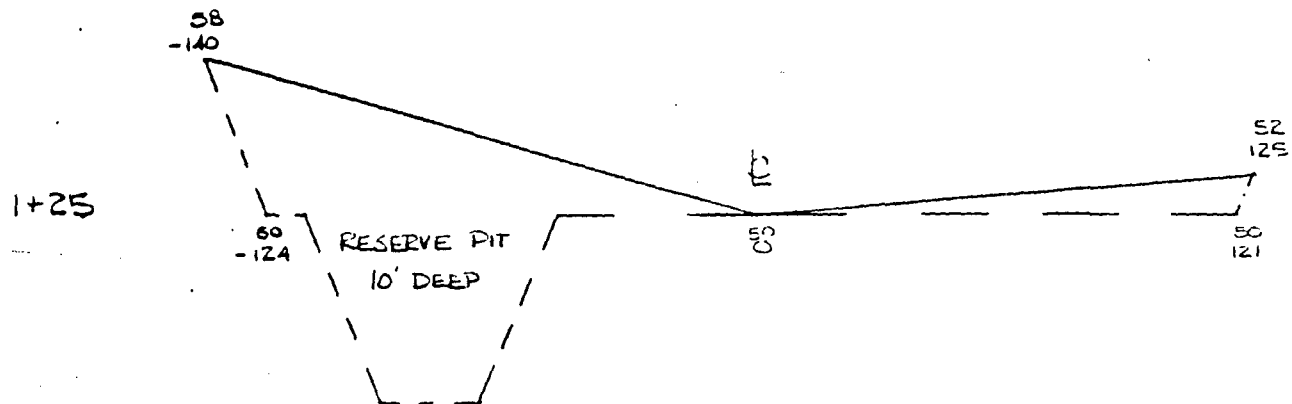
RINCON 11-E  
 2080 F/SL & 2410 F/EL  
 Sec. 6 T26N R6W N.M.P.M.  
 Rio Arriba County, NM

PAD LAYOUT AND TOPOGRAPHY

Scale: Horz. 1" = 50'  
 Vert. 1" = 10'



X-SECTIONS AND VOLUMES



CUT.....8194 CU YDS.  
 FILL.....1488 CU YDS.  
 PIT EXCAVATION.....1569 CU YDS.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

February 15, 1994

UNOCAL Oil and Gas Division  
P.O. Box 2620  
Casper, WY 82602-2620

Attention: Jim Benson, Drilling Superintendent

**RE: Rincon Unit Well Nos. 11E, 150E and 130F.**

Dear Mr. Benson:

The attached letters were forwarded to the Santa Fe office of the Division by our district office in Aztec. Since these copies do not constitute a proper filing with the Division for an exception to the applicable rules for the South Blanco-Tocito Oil Pool, they are being returned to you at this time. I am including copies of Order No. R-1191, Memorandum No. 1-90, Memorandum No. 4-86, and Division General Rule 104(F) for your information and use as a guide in making a proper application.

Once UNOCAL submits a proper filing with all the necessary attachments, the Division can then begin processing these requests.

If you should have any questions regarding these filings, please contact me at (505) 827-5811.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner", with a long horizontal flourish extending to the right.

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/amg

cc: Oil Conservation Division - Aztec





February 18, 1994

State of New Mexico  
Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87503

Gentlemen:

Union Oil Company of California (UNOCAL) requests permission for a nonstandard Tocito location for our Rincon Unit No. 11E well, located 2080' FSL & 2410' FEL, Section 6, T26N, R6W, Rio Arriba County, New Mexico.

This well is a proposed dual Basin Dakota/South Blanco Tocito well that does not conform, as staked, to a "standard" Tocito location. While this is a "legal" Dakota location (the Dakota being the deepest and primary zone of interest), it does not conform to the narrow window of a legal Tocito well. It is not feasible to move the proposed location to the SE to conform to a "legal" Tocito location due to a existing pipeline and the surrounding topography. See attachments.

The offset lease operator, Caulkins Oil Company has been contacted by certified letter requesting waiver of objection to this proposed unorthodox location.

If you have any questions, please contact me at (307) 234-1563, ext. 116. Thank you for your help in this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jim Benson", with a stylized flourish at the end.

Jim Benson  
Drilling Superintendent

Attachments

cc: Ernie Busch, Aztec, NM

JBB:co

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

B. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

C. NAME OF OPERATOR

UNION OIL COMPANY OF CALIFORNIA

D. ADDRESS AND TELEPHONE NO.

P. O. Box 2620, Casper, WY 82602 (307)234-1563, ext. 116

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

At surface

2080' FSL & 2410' FEL

At proposed prod. zone Same

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

Approximately 25 miles SE of Blanco, New Mexico

G. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

590

H. NO. OF ACRES IN LEASE

160

I. NO. OF ACRES ASSIGNED  
TO THIS WELL

Dakota-320/Tocito-80

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

1400'

K. PROPOSED DEPTH

± 7580'

L. ROTARY OR CABLE TOOLS

Rotary

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

6550' GR

N. APPROX. DATE WORK WILL START\*

4/15/94

O.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"-H-40	32.3#	450	± 250 sx class "B"
8 3/4"	7" - K-55	26# & 23#	± 7580	2 stage w/DV tool @ ± 5000'

1st - Lead, ± 450 sxs "Lite"-tail  
125 sxs Class B  
2nd - Lead ± 750 sxs "Lite"-tail,  
125 sxs Class B

Proposed Drilling Program:

Drill 12 1/4" hole to 450' w/spud mud. Run & cmt to surf. 9 5/8" csg. Nipple up & test BOPE. Drill 8 3/4" hole to ± 7580'-TD w/fresh water/gel mud system. Log & if productive, run & cmt 7" csg in 2 stages w/ "DV" tool at ± 5000'. Selectively perforate the Dakota and Tocito formations. Fracture stimulate both zones separately as required. Test and complete both zones separately w/packer and 2 3/8" tbg.

NOTE: Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Union Oil Company of California (BLM Bond # CA0048).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Jim Benson

TITLE Drilling Superintendent

DATE 1/17/94

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the Government fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>UNOCAL</b>			Lease <b>RINCON</b>		Well No. <b>11-E</b>
Unit Letter <b>J</b>	Section <b>6</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>NMPM RIO ARRIBA</b>	
Actual Footage Location of Well: 2080 feet from the <b>SOUTH</b> line and 2410 feet from the <b>EAST</b> line					
Ground Level Elev. <b>6550</b>	Producing Formation <b>Dakota/Tocito</b>		Pool <b>Basin / South Blanco</b>		Dedicated Acreage: <b>Dakota-320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **Tocito-80**

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.?

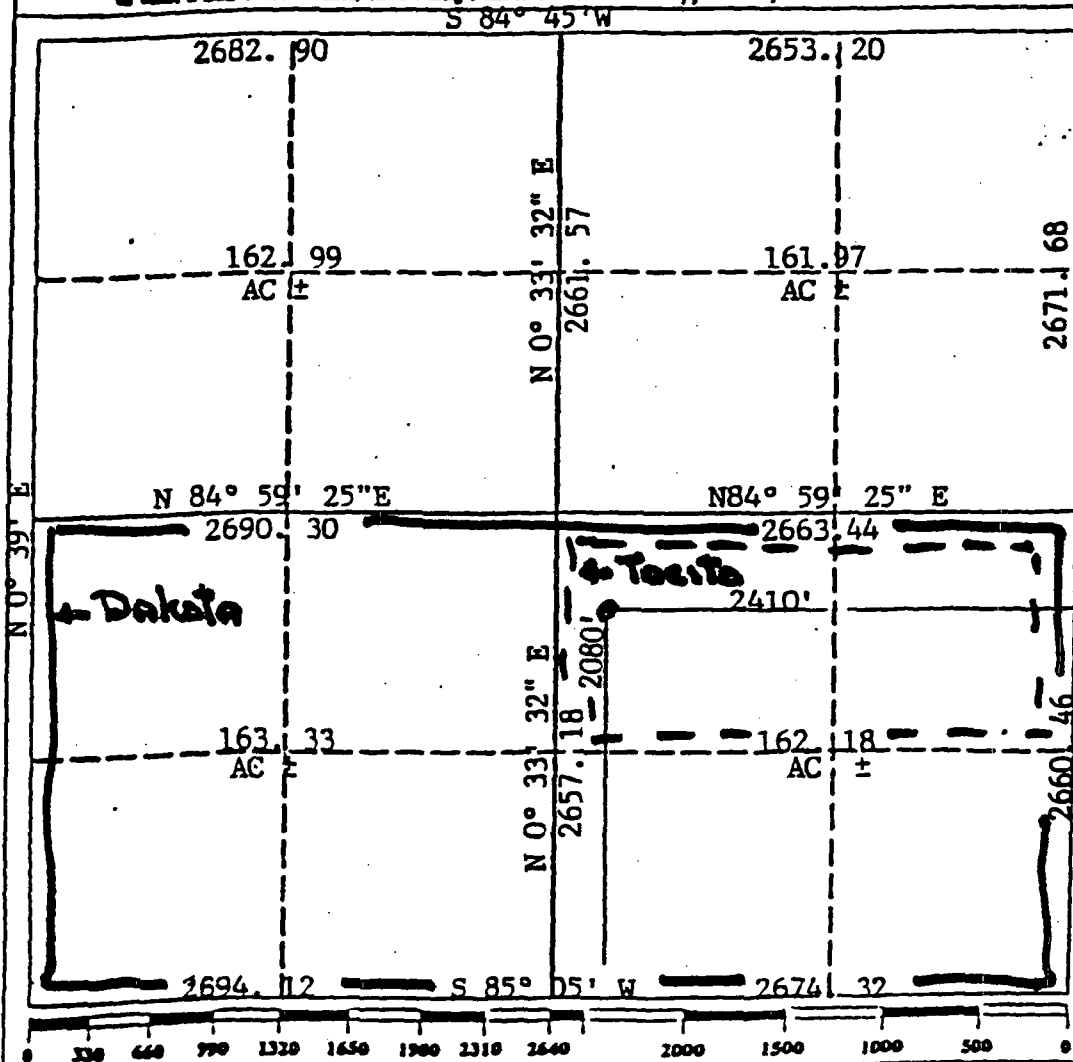
☒ Yes ☐ No

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 communitization, 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

Printed Name

Drilling Superintendent

Position

Union Oil Co. of Calif.

Company

1-12-94

Date

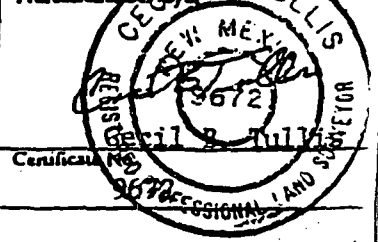
SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was plotted from field notes, 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.

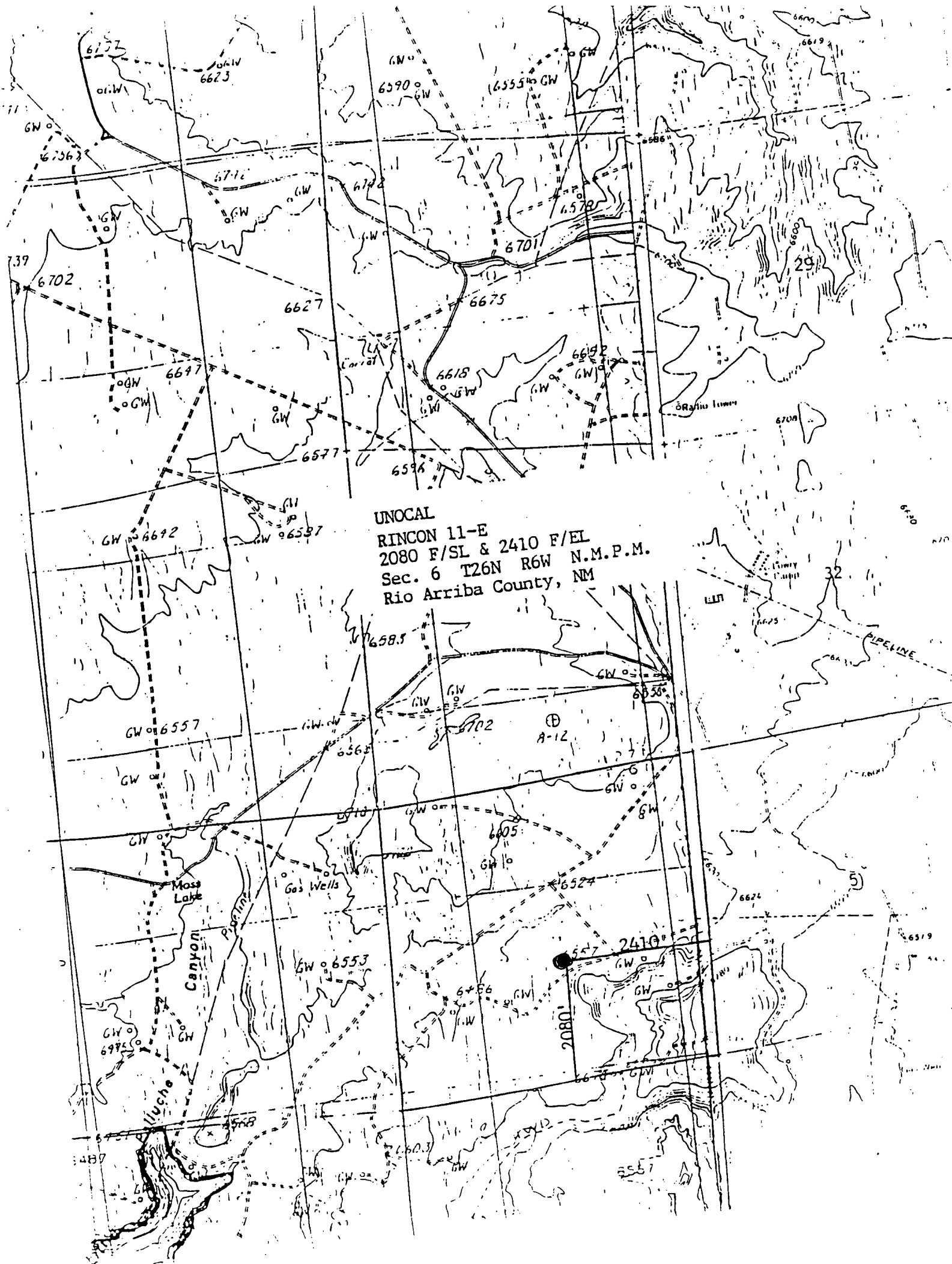
Date Surveyed

October 10, 1993

Signature & Seal of Professional Surveyor



UNOCAL  
RINCON 11-E  
2080 F/SL & 2410 F/EL  
Sec. 6 T26N R6W N.M.P.M.  
Rio Arriba County, NM



odd Pins Rd

ON UNIT

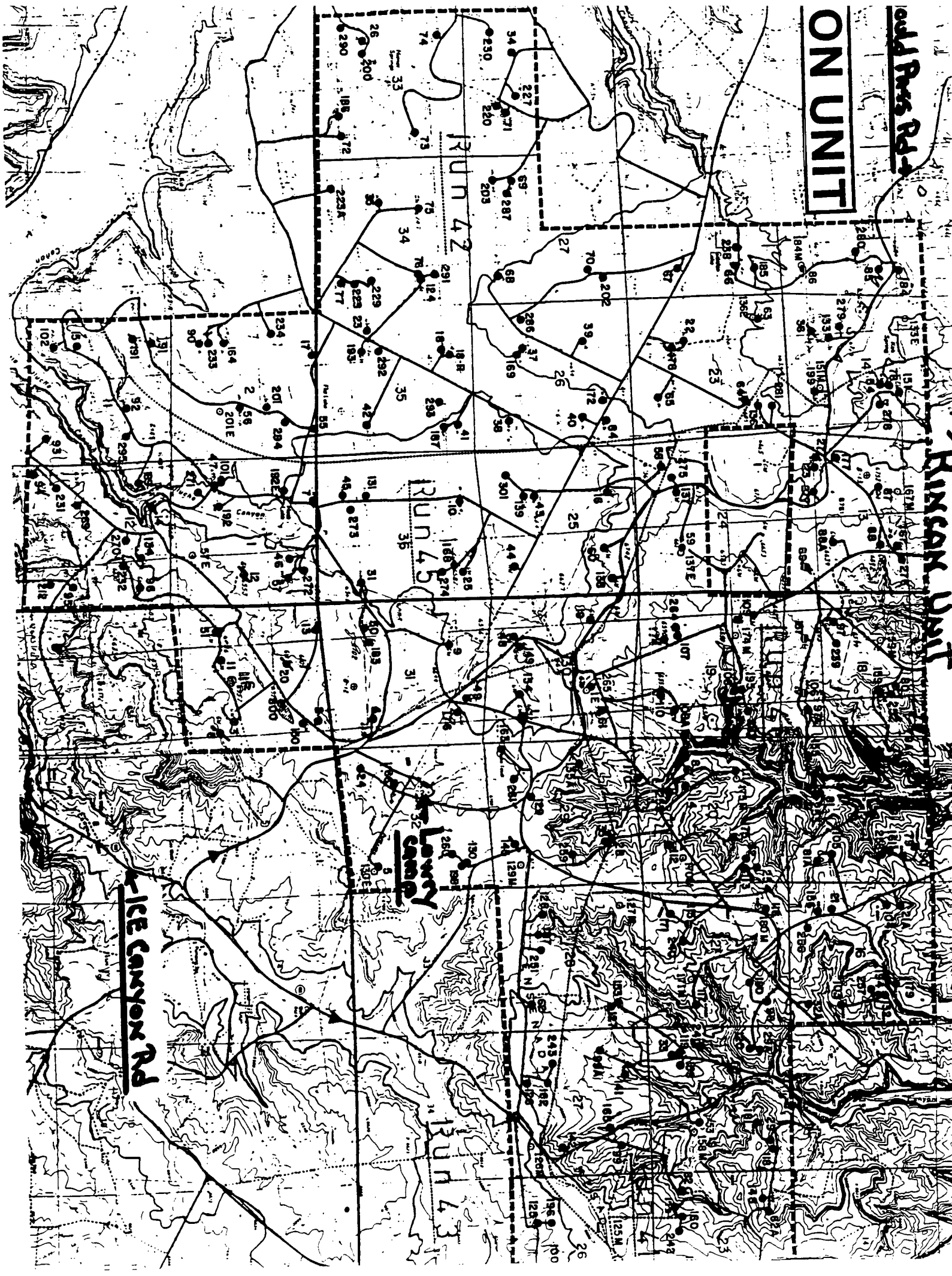
RINCON UNIT

Run 42

Run 45

Lowry Canyon

ICE Canyon Rd

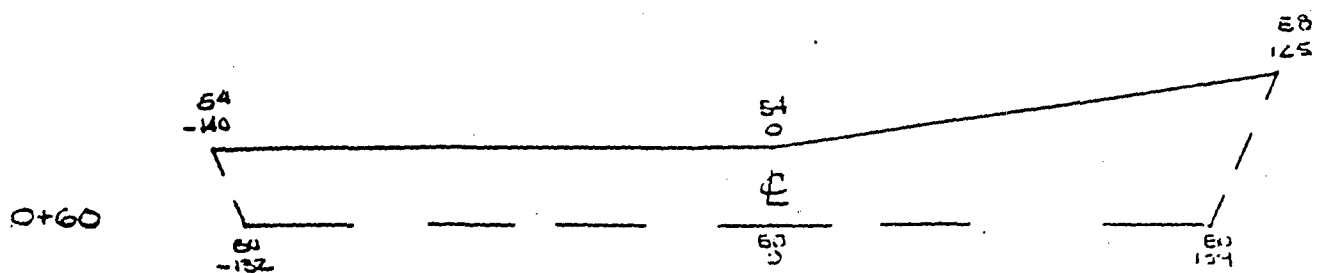
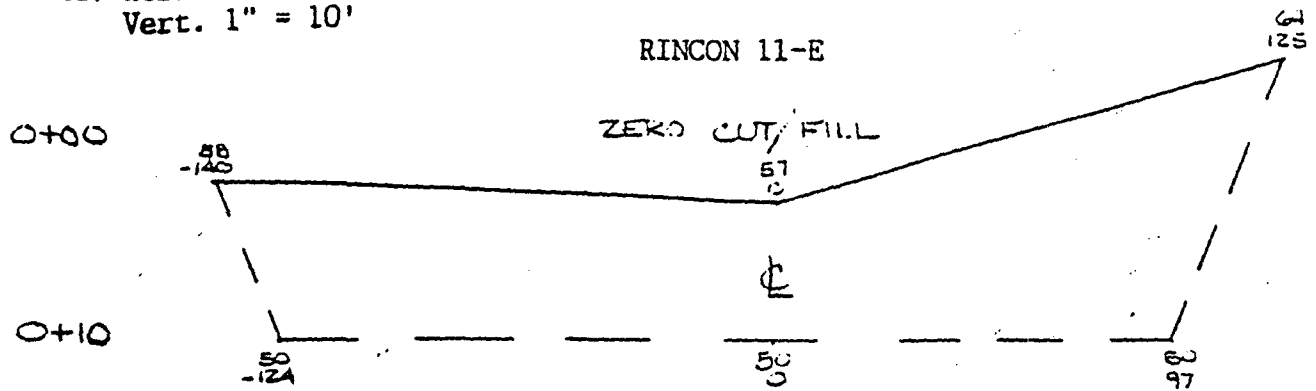
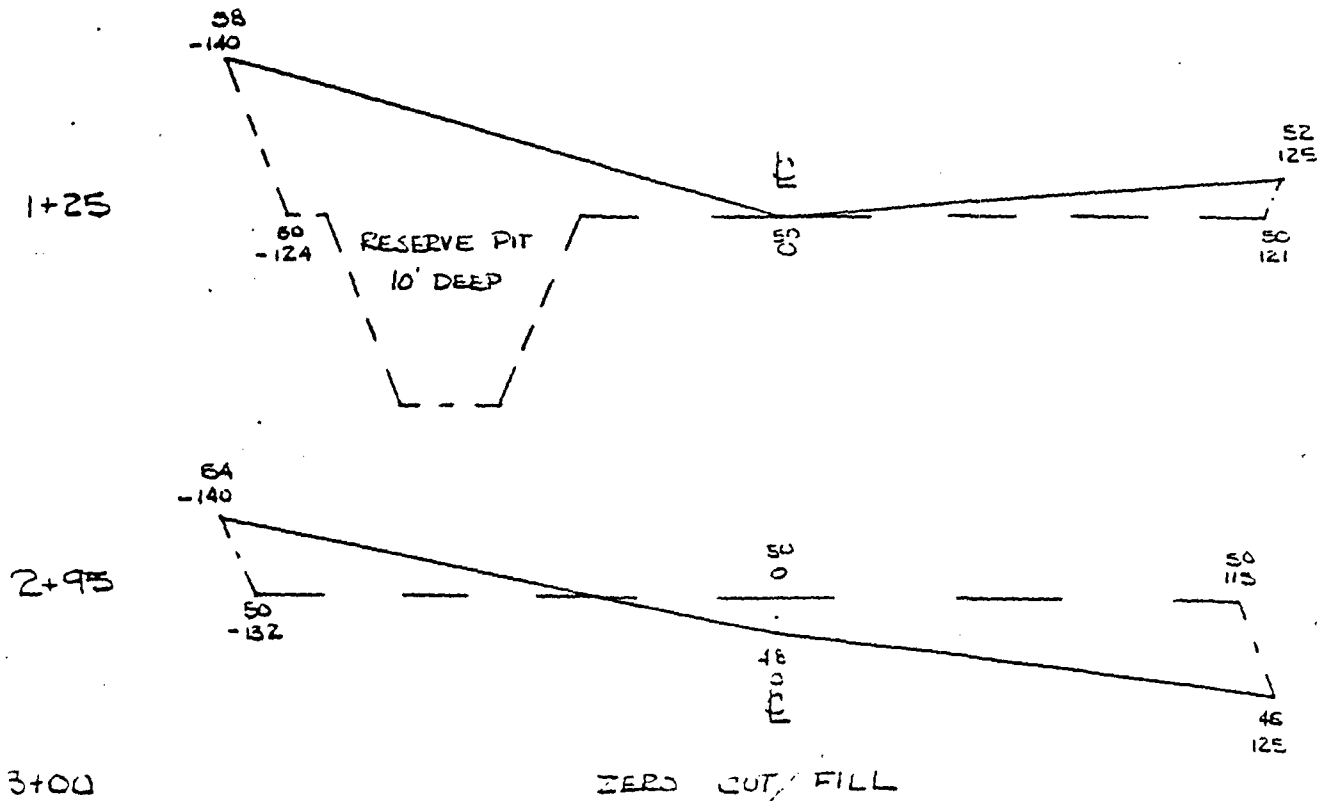


[illegible]

RINCON 11-E  
2080 F/SL & 2410 F/EL  
Sec. 6 T26N R6W N.M.P.M.  
Rio Arriba County, NM

Scale: Horz. 1" = 50'  
 Vert. 1" = 10'

## RINCON 11-E

X-SECTIONS AND VOLUMES

CUT.....8194 CU YDS.  
 FILL.....1488 CU YDS.  
 PIT EXCAVATION.....1569 CU YDS.





STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

April 19, 1994

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Union Oil Company of California (UNOCAL)  
P.O. Box 2620  
Casper, WY 82602-2620

Attention: Jim Benson

**RE: Rincon Unit Well No. 11E; 2080' FSL - 2410' FEL (Unit J)  
of Section 6, Township 26 North, Range 6 West, NMPM, Rio  
Arriba County, New Mexico.**

Dear Mr. Benson:

Reference is made to your application dated January 26, 1994 for an unorthodox South Blanco Tocito oil well location for the subject well. This portion of your application appears acceptable, however, contrary to your statement within this application, this location is considered to be unorthodox in the Basin Dakota Pool as well (see Rule 2(b) of the Special Rules and Regulations for the Basin Dakota Pool, as promulgated by Division Order No. R-8170, as amended).

At this time, please verify that all offsetting operators to the 320-acre gas spacing and proration unit assigned to the Basin-Dakota Pool for this well have been properly notified per Rule 2(b)4 of said Special Rules.

This information should enable me to submit this application to the Division Director for approval.

Thank you for your cooperation in this matter. Should you have any questions, please contact me at (505) 827-5811.

Sincerely,

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/amg

cc: Oil Conservation Division - Aztec

Unocal Oil & Gas Division  
Unocal Corporation  
913 West Broadway, P.O. Box 850  
Bloomfield, New Mexico 87413  
Telephone (505) 632-1811

NSL-3484

**UNOCAL 76**

Wednesday, December 18, 1996

New Mexico Oil Conservation Division  
Attn.: Mr. William J. LeMay  
2040 S. Pacheco  
Santa Fe, New Mexico 87505

RE

Rincon Unit, Rio Arriba County, New Mexico  
Request For Non Standard Location  
Well No. 11E Mesa Verde

Dear Mr. LeMay:

Unocal requests authorization for a non-standard location for Rincon Unit 11E Mesa Verde. This well was drilled in May, 1996 and completed in the Basin Dakota and South Blanco Tocito. A non-standard location was approved for the Basin Dakota and South Blanco Tocito prior to drilling this well. Recently Unocal plugged the uneconomic Tocito pay and successfully completed Mesa Verde pay in this well.

Attached is a copy of the Blanco Mesa Verde completion report and the letter showing justification for the non-standard location.

The offset lease owner, Caulkins Oil Company, has been notified of this non-standard location.

If you have any questions please I may be contacted at (505) 632-1811 ext. 14.

12-23-96

Please reference the previous  
order and submit a copy of the  
mentioned notice to  
Caulkin Oil Co.  
Thanks.

Sincerely,  
Union Oil Company of California  
d.b.a. UNOCAL

Brett H. Liggett  
Production Engineer

cc - OGD Aztec

**UNOCAL 76**

January 16, 1995

State of New Mexico  
Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, NM 87503

RECEIVED  
JAN 20 1995  
OIL CON. DIV.  
DIST. 3

Gentlemen:

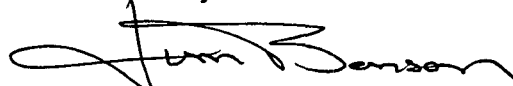
Union Oil Company of California (UNOCAL) requests permission for a non-standard location for UNOCAL's Rincon Unit #11E well. The well is located 2080' FSL, 2410' FEL, Section 6, T26N-R6W. The well is a proposed dual Basin Dakota/S. Blanco Tocito well that does not conform to a "standard" Dakota or Tocito location.

Significant cultural resources were encountered by the on-site archaeologist (Complete Archaeologic Service Associates) during surveying and staking operations and to avoid all potential archaeological sites the original location had to be moved to its present staked location. This location is outside the window of a legal Dakota and Tocito well. There are no existing pads/locations in the immediate area on which to drill the proposed well.

The offset lease owner, Caulkins Oil Company, has been contacted by certified letter requesting Waiver of Objection to the proposed unorthodox location.

If you have any questions, please contact me at (307) 234-1563, Ext. 116. Thank you for your help in this matter

Sincerely,



Jim Benson  
Drilling Superintendent

cc: Ernie Busch  
Aztec, New Mexico

# DEPARTMENT OF THE INTERIOR

## BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

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. RESVE. ☒ NEW OTHER COMPLETION \_\_\_\_\_

2. NAME OF OPERATOR

UNION OIL COMPANY OF CALIFORNIA

3. ADDRESS OF OPERATOR

P.O. BOX 850 - BLOOMFIELD, NM 87413

(505)632-1811 EXT 14

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

At Surface 2080' FSL &amp; 2410' FEL

At top prod. interval reported below SAME

At total depth SAME

14. PERMIT NO.

30-039-25486

DATE ISSUED

02/22/95

12. COUNTY OR PARISH  
RIO ARriba13. STATE  
NM

15. DATE SPUDDED

04/30/95

16. DATE T.D. REACHED

05/19/95

17. DATE COMP. (Ready to prod)

11/01/96

18. ELEVATION (D.P., RKB, RT, GR, ECT.)\*

6550' GR

19. ELEV. CASING HEAD

6550' GR

20. TOTAL DEPTH, MD &amp; TVD

7475'

21. PLUG, BACK T.D., MD &amp; TVD

7420'

22. IF MULTIPLE COMPL., HOW MANY

2

23. INTERVALS DRILLED BY

-----&gt;

ROTARY TOOLS

YES

CABLE TOOLS

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

BLANCO MESA VERDE 5167'-5323'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

IDL/SP/GR/CNL - LDT/PE

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
9 5/8"	36#	482'	12 1/4"	250 sxs "G" cmt to surface	
7"	23# & 26#	7475'	8 3/4"	455 sxs 50/50 poz, 330 sxs 65/35 poz,	
				600 sxs 50/50 poz, 175 sxs "G" cmt	
				to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6684'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5167' - 70', 5179' - 84', 5225' - 29'

5231' - 36', 5242' - 46', 5269' - 72'

5321' - 23', @ 1 spf, 0 deg phase, 32gm

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIALS USED
5176' - 5323'	80,000 lb 20/40 Arizona Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
New Completion		Flowing					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO	
10/31/96	24 hrs		----->	3	250	3	84 mcf/bbl	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)		
120	400	----->	3	253	3	52		

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

vented

TEST WITNESSED BY

Steve Courtney

35. LIST OF ATTACHEMENTS

none

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

SIGNED

TITLE Production Engineer

DATE

Nov. 14, 1996

\*(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.

OPERATOR

FARMINGTON DISTRICT OF

NOV 08 1996

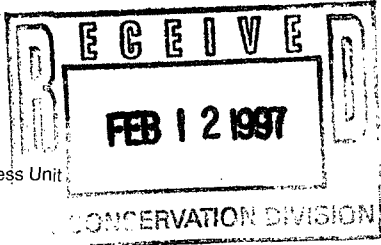
BY

ACCEPTED FOR REC

NSL 2/24/97

**Unocal Corporation**  
Oil and Gas Operations  
1004 North Big Springs, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 685-7600

**UNOCAL** 



February 7, 1997

New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

**Attention:** William L. LeMay

**RE:** Rincon Unit, Rio Arriba County New Mexico  
Request for Non-Standard Location  
Well No. 11E Mesa Verde

Dear Mr. LeMay:

Unocal requests authorization for a non-standard location for the Rincon Unit No. 11E Mesa Verde. This well was drilled in May 1995, and completed in the Basin Dakota and South Blanco Tocito. Recently, Unocal plugged the Tocito pay and successfully completed the Mesa Verde pay in this well.

Attached is a copy of the Blanco Mesa Verde completion report, and letter notifying Caulkins Oil Company, the offset lease owner, of this non-standard location.

If you have any questions concerning this matter, please contact the undersigned 915/685-6836.

Sincerely;

**Union Oil Company of California**  
**dba Unocal**

Tom E. Baier  
Advising Petroleum Engineer

/ss  
att.

(November 1983)

(formerly 9-330)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE\*

(See other in-  
 structions on  
 reverse side)

FORM APPROVED

Budget Bureau no. 1004-0137

Expires: August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF 079302-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**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. RESERVE ☒ NEW OTHER COMPLETION ☒

2. NAME OF OPERATOR

UNION OIL COMPANY OF CALIFORNIA

3. ADDRESS OF OPERATOR

P.O. BOX 850 - BLOOMFIELD, NM 87413

(505)632-1811 EXT 14

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

At Surface 2080' FSL &amp; 2410' FEL

At top prod. interval reported below SAME

At total depth SAME

**WELL FILE**

7. UNIT AGREEMENT NAME

RINCON UNIT

8. FARM OR LEASE NAME

RINCON UNIT

9. WELL No.

11E

10. FIELD AND POOL OR WILDCAT

BLANCO MESA VERDE

11. SECT., R., U. OR BLOCK AND SURVEY OR AREA

J, Sec. 06 - T26N - 08W

14. PERMIT NO.

30-039-25486

DATE ISSUED

02/22/95

12. COUNTY OR PARISH

RIO ARriba

13. STATE

NM

15. DATE SPUDDED

04/30/95

16. DATE T.D. REACHED

05/19/95

17. DATE COMP. (Ready to prod)

11/01/96

18. ELEVATION (D.P.R.K.E.T. OR ECT.)\*

6550' GR

19. ELEV. CASING HEAD

6550' GR

20. TOTAL DEPTH, MD &amp; TVD

7475'

21. PLUG, BACK T.D., MD &amp; TVD

7420'

22. IF MULTIPLE COMPL., HOW MANY

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

YES

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

BLANCO MESA VERDE 5167'-5323'

25. TYPE ELECTRIC AND OTHER LOGS RUN

IDL/SP/GR/CNL - LDT/PE

25. WAS DIRECTIONAL SURVEY MADE

NO

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
9 5/8"	36#	482'	12 1/4"	250 sxs "G" cmt to surface	
7"	23# & 26#	7475'	8 3/4"	455 sxs 50/50 poz, 330 sxs 65/35 poz.	
				600 sxs 50/50 poz, 175 sxs "G" cmt	
				to surface	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6684'	

30.

TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5167' - 70', 5179' - 84', 5225' - 29'

5231' - 36', 5242' - 46', 5269' - 72'

5321' - 23', @ 1 spf, 0 deg phase, 32gm

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

DEPTH INTERVAL (MD)

5176' - 5323'

AMOUNT AND KIND OF MATERIALS USED

80,000 lb 20/40 Arizona Sand

33. \*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
New Completion		Flowing					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO	
10/31/96	24 hrs		----->	3	250	3	84 mcf/bbl	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)		
120	400	----->	3	253	3	52		

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

vented

TEST WITNESSED BY

Steve Courtney

35. LIST OF ATTACHEMENTS

none

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

SIGNED

TITLE Production Engineer

DATE

Nov. 14, 1996

\*(See Instructions and Spaces for Additional Data on Reverse Side)

NOV 08 1996

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.

FARMINGTON DISTRICT OFFICE

Unocal Corporation  
Oil and Gas Operations  
1004 North Big Spring, Suite 300  
P.O. Box 3100  
Midland, Texas 79702  
Telephone (915) 685-7600



January 30, 1997

Central U.S. Business Unit

Caulkins Oil Company  
1600 Broadway - Suite 2100  
Denver, CO 80202

1400

Gentlemen:

Union Oil Company of California (UNOCAL) request Waiver of Objection for a non-standard location for UNOCAL's Rincon Unit #11E well. The well is located 2080' FSL, 2410' FEL, Section 6, T26N-R6W. The well is dual Basin Dakota/Blanco Mesaverde well that does not conform to a "standard" Dakota or Mesaverde location.

We request that you waive objection to this location by signing below and returning in the self addressed-stamped envelope.

If you have any questions, please contact me at (915) 685-6885. Thank you for your help in this matter.

Sincerely,

UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL

Mike Nixon  
Land Advisor

MAN/bh

Waive Objection:

CAULKINS OIL COMPANY

By: Patrick J. Robin

2/3/97  
Date

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

03/07/97 16:31:57  
OGOMES -EMF1  
PAGE NO: 2

Sec : 06 Twp : 26N Rng : 06W Section Type : NORMAL

6 40.71  Federal owned U A	K 40.00  Federal owned U A	J 40.00  Federal owned U A	I 40.00  Federal owned U
7 40.64  Federal owned U	N 40.00  Federal owned U	O 40.00  Federal owned U	P 40.00  Federal owned U A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

81.35  
8  

---

161.35  
16  

---

321.35



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

03/07/97 16:31:51  
OGOMES -EMF1  
PAGE NO: 1

Sec : 06 Twp : 26N Rng : 06W Section Type : NORMAL

4 40.90  Federal owned U A A	3 40.12  Federal owned U	2 40.20  Federal owned U	1 40.28  Federal owned U A A
5 40.79  Federal owned U	F 40.00  Federal owned U	G 40.00  Federal owned U A	H 40.00  Federal owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

## **Mike Stogner**

---

**From:** Ernie Busch  
**To:** Mike Stogner  
**Subject:** UNOCAL OIL & GAS DIVISION (NSL)  
**Date:** Tue, Feb 15, 1994 8:43AM

WELL NAME: RINCON #11E  
WELL LOCATION: J-06-26N-06W  
FOOTAGE CALL: 2080' FSL; 2410 FEL  
RECOMMEND: APPROVAL

CMD :-  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/18/94 14:36:49  
OGOMES -EMD6  
PAGE NO: 1

Sec : 06 Twp : 26N Rng : 06W Section Type : NORMAL

4 40.90  Fee owned A A	3 40.12  Federal owned	2 40.20  Federal owned	1 40.28  Federal owned A A
5 40.79  Fee owned	F 40.00  Federal owned	G 40.00  Federal owned A	H 40.00  Federal owned

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/18/94 14:37:02  
OGOMES -EMD6  
PAGE NO: 2

Sec : 06 Twp : 26N Rng : 06W Section Type : NORMAL

6 40.71  Federal owned A	K 40.00  Federal owned A	J 40.00  Federal owned	I 40.00  Federal owned
7 40.64  Federal owned	N 40.00  Federal owned	O 40.00  Federal owned	P 40.00  Federal owned A

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

80

**NMP M**

A 36x6 grid of 216 squares, numbered 1 to 36 in a boustrophedon pattern. The grid is divided into six horizontal sections of six rows each. The numbering starts at the top right (1) and proceeds left, then down to the next row, then right, and so on, alternating directions. The final number, 36, is in the bottom right corner.

Ex +  $\frac{1}{2}$  <sup>SW</sup>/<sub>4</sub> Sec. 33 (R-7495, 4-5-84) Ex +  $\frac{56}{4}$  Sec. 32 (R-9982, 10-1-93)

**SOUTH BLANCO-TOCITO POOL**  
(Formerly the Pettigrew-Tocito Pool)  
Rio Arriba County, New Mexico

Order No. R-1191, Adopting Rules for the South Blanco-Tocito Pool, Rio Arriba County, New Mexico, June 10, 1958, as Amended by Order No. R-1191-A, May 21, 1959, Order No. R-2186, February 14, 1962, and Order No. R-1191-C, February 5, 1964.

Order No. R-1191 supersedes Order No. R-326, May 26, 1953, as Amended by Order No. R-1104, December 14, 1957, Order No. R-1144, March 25, 1958.

Application of Caulkins Oil Company to amend the special pool rules for the South Blanco-Tocito Oil Pool, Rio Arriba County, New Mexico.

CASE NO. 1420  
Order No. R-1191

**ORDER OF THE COMMISSION**

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on April 16, 1958, at Roswell, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 10th day of June, 1958, the Commission, a quorum being present, having considered the application and the evidence adduced, and being fully advised in the premises,

**FINDS:**

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Caulkins Oil Company, is the operator of a water injection project in the South Blanco-Tocito Oil Pool in Rio Arriba County, New Mexico.

(3) That the applicant proposes that the Special Rules and Regulations for the South Blanco-Tocito Oil Pool as promulgated by Order No. R-326, dated May 26, 1953, and by Commission Order No. R-1144, dated March 25, 1958, be amended to provide for a system of transferring allowables within said water injection project and to provide credit against gas-oil ratio limitations for net water injected into the reservoir.

(4) That amendment of the Special Rules and Regulations for the South Blanco-Tocito Oil Pool to provide that allowables may be transferred from injection wells to other producing wells within the water injection project will not impair correlative rights.

(5) That production from any one well within the water injection project should be limited to twice the top unit allowable or three hundred (300) barrels a day, whichever is greater.

(6) That in order to prevent the waste of casinghead gas, a no-flare order should be entered for the South Blanco-Tocito Oil Pool, effective October 1, 1958.

(7) That the Rules and Regulations for the South Blanco-Tocito Oil Pool, as set forth in Commission Order No. R-326, dated May 26, 1953, and Commission Order No. R-1144, dated March 25, 1958, should be superseded by this order so as to consolidate all Special Rules and Regulations for the South Blanco-Tocito Oil Pool and for the South Blanco-Tocito Water Injection Project in one order.

(8) That the findings of the Commission, as recited in Commission Order R-326 and Commission Order R-1144, should be incorporated by reference in this order.

**IT IS THEREFORE ORDERED:**

(1) That the findings of the Commission, as recited in Commission Order R-326 and Commission Order R-1144, be and the same are hereby incorporated by reference in this order.

(2) That the Rules and Regulations for the South Blanco-Tocito Oil Pool as set forth in Commission Order R-326, dated May 26, 1953, and Commission Order R-1144, dated March 25, 1958, be and the same are hereby superseded.

(3) That Special Pool Rules for the South Blanco-Tocito Pool, Rio Arriba County, New Mexico, be and the same are hereby promulgated as follows, effective July 1, 1958:

**SPECIAL RULES AND REGULATIONS  
FOR THE SOUTH BLANCO-TOCITO OIL POOL**

**RULE 1.** Any well drilled to or completed in the Tocito formation within one mile of the boundaries of the South Blanco-Tocito Oil Pool shall be spaced, drilled, operated, and prorated in accordance with the Special Rules and Regulations hereinafter set forth.

**RULE 2.** All wells projected to or completed in the South Blanco-Tocito Oil Pool shall be located on a tract containing 80 acres, more or less, comprising the East half, West half, North half, or South half of the governmental quarter section in which the well is located. Allowables for wells located on such 80-acre tracts shall be assigned in accordance with the 80-acre proportional factor for pools in the 6000 to 7000-foot depth range. Wells located on tracts comprising less than 80 acres shall be assigned an allowable which shall bear the same proportion to the standard 80-acre allowable that the acreage assigned to such well bears to 80 acres.

**RULE 3.** All wells hereafter projected to or completed in the South Blanco-Tocito Oil Pool shall be located in the center of the Northwest quarter or the Southeast quarter of a governmental quarter section, with a tolerance of 100 feet in any direction to avoid surface obstructions.

**RULE 4.** That all wells hereafter projected to or completed in the South Blanco-Tocito Oil Pool shall be cased in accordance with the following casing rules:

(a) The surface casing shall consist of new or reconditioned pipe with an original mill test of not less than 1000 pounds per square inch, and at least one string of surface casing shall be set at a depth sufficient to protect all potable water-bearing strata encountered, and not less than 450 feet below the surface of the ground. Sufficient cement shall be used to fill the annular space back of the pipe to the bottom of the cellar. Cement shall be allowed to stand a minimum of 24 hours before initiating tests. Before drilling the plug a pump pressure of at least 600 pounds per square inch shall be applied. If at the end of 30 minutes the pressure shows a drop of 100 pounds per square inch, or more, the casing shall be condemned, subject to corrective operations and further testing.

(b) The producing oil string shall consist of new or reconditioned pipe with an original mill test of not less than 2100 pounds per square inch. The producing string shall be set and cemented with sufficient cement to fill the calculated annular space behind the pipe to a minimum of 1000 feet above the guide shoe. Cement shall be allowed to stand a minimum of 72 hours before initiating tests. Before drilling the plug a pump pressure of at least 600 pounds per square inch shall be applied.

## (SOUTH BLANCO-TOCITO (FORMERLY THE PETTIGREW-TOCITO POOL) POOL - Cont'd.)

If at the end of 30 minutes the pressure shows a drop of 100 pounds per square inch, or more, the casing shall be condemned, subject to corrective operations and further testing.

**RULE 5.** (As Amended by Order No. R-2186, February 14, 1962.) Upon completion of any well in the South Blanco-Tocito Oil Pool and annually, during the month of October, a bottom-hole pressure test shall be made and a report thereof filed with the Commission on Commission Form C-124. Bottom-hole pressures shall be taken in accordance with the provisions of Rule 302 of the Commission Rules and Regulations except that wells shall remain shut-in for a minimum of 72 hours prior to testing. Tests shall be corrected to a reservoir datum plane of minus one hundred feet (-100).

**RULE 6.** Upon completion of any well in the South Blanco-Tocito Oil Pool and semi-annually during the months of April and October, a gas-oil ratio test shall be made and a report thereof filed with the Commission on Commission Form C-116.

**RULE 7.** Prior to making tests required in Rules 5 and 6 above, each operator in the South Blanco-Tocito Oil Pool shall notify all other operators in the pool, as well as the Commission of the time such tests are to be conducted. Tests may be witnessed by representatives of the other operators and the Commission, if they so desire.

**RULE 8.** The limiting gas-oil ratio for the South Blanco-Tocito Oil Pool shall be two thousand (2000) cubic feet of gas for each barrel of oil produced.

**RULE 9.** No casinghead gas produced from any well completed in the South Blanco-Tocito Oil Pool shall be flared or vented after October 1, 1958.

**RULE 10.** All wells drilled to and completed in the South Blanco-Tocito Oil Pool prior to May 26, 1953, whose locations do not conform to the well spacing requirements of Rule 3 above are excepted from the requirements of said Rule and their locations are hereby approved as unorthodox well locations. This approval shall apply to the following wells:

	Well No.	Unit	Sec.	Twp.	Rge.
Caulkins Oil Company	T-132	A	9	26N	6W
Caulkins Oil Company	T-134	C	10	26N	6W
Caulkins Oil Company	T-157	E	10	26N	6W
Caulkins Oil Company	T-182	K	10	26N	6W
Caulkins Oil Company	T-207	O	10	26N	6W

**RULE 11.** In addition to the above Rules for the South Blanco-Tocito Oil Pool, the following Rules shall apply to the operation of all wells completed in the Tocito formation and located within the South Blanco Water Injection Project Area, hereinafter referred to as the "Project."

(a) 1. (As Amended by Order No. R-1191-A, May 21, 1959; and Order No. R-1191-C, February 5, 1964.) The project area shall comprise that area described as follows:

T-28-N, R-6-W S/2 SW/4 Sec. 3; S/2 Sec. 4; S/2 S/2 Sec. 5; Sec. 6; NE/4 Sec. 7; N/2 Sec. 8; N/2, N/2 S/2 Sec. 9; N/2, N/2 SW/4, SE/4 Sec. 10; Secs. 11, 12; N/2 Sec. 13; N/2 Sec. 14.

2. Expansion of the project area to include additional acreage may be approved administratively by the Secretary-Director of the Commission for good cause shown. To obtain such approval, the project operator shall file proper application with the Commission, furnishing copies of said application to all interested parties. "Interested parties" are defined as being working interest owners and royalty owners within the project area and immediately offsetting it. The Secretary-Director may approve the expansion of the project area if, within 20 days after receiving the application, no objection is received from any interested party. The Secretary-Director may grant immediate approval provided waivers of objection are received from all interested parties.

(b) The allowable for the Project shall be the sum of the allowables of the several wells within the project area, including those wells which are shut-in or are used as water injection wells. Allowables for all wells shall be determined in a manner hereinafter prescribed.

(c) Allowables for water injection wells may be transferred to producing wells within the project area, as may be the allowables for producing wells which, in the interest of more efficient operation of the Project, are shut-in or are curtailed in their rate of production.

(d) The project allowable may be produced from any well or wells in the project area in any proportion, provided said rate of production is consistent with efficient operation of the Project and provided further, that no well shall produce in excess of two times the top unit allowable for the South Blanco-Tocito Oil Pool, or 300 barrels per day, whichever is greater.

(e) The allowable assigned to any water injection well, which is to be transferred to any other well or wells in the Project area for production, shall in no event exceed the producing capacity of the well prior to conversion to water injection, as determined by the average daily rate of production during the last three months the well was produced prior to such conversion.

Conversion of producing wells to water injection, as abandonment of said producing wells is necessitated by water encroachment, shall be made only after approval of such conversion by the Secretary-Director of the Commission. To obtain such approval, the Project operator shall file proper application for conversion with the Commission, providing copies of said application to all interested parties. The Secretary-Director may approve the conversion to water injection if, within 20 days after receiving the application, no objection to said conversion is received. The Secretary-Director may grant immediate approval provided waivers of objection are received from all interested parties.

(f) The allowable assigned to any well which is to be shut-in or curtailed and which is to be transferred from said well to any other well or wells in the project area shall in no event exceed the ability of the well to produce oil as determined by a 24-hour test at a stabilized rate of production, which shall be the final 24-hour period of a 72-hour test throughout which the well under test shall be produced in the same manner and at a constant rate. The project operator shall notify all other operators in the South Blanco-Tocito Oil Pool, as well as the Commission, of the time such tests are to be conducted. Tests may be witnessed by representatives of the other operators and the Commission, if they so desire.

(g) The allowable assigned to any well in the Project shall be based upon the ability of the well to produce oil and shall be subject to the limiting gas-oil ratio (2000 to 1) for the South Blanco-Tocito Oil



## (SOUTH BLANCO-TOCITO POOL - Cont'd.)

Pool, except that credit for daily average net water injected into the Tocito formation through any injection well or wells located within the project area may be applied to any well or wells producing with a gas-oil ratio in excess of two thousand cubic feet of gas per barrel of oil. Total credit for net water injected in the project area shall be the gas equivalent volume of the daily average net water injected during a one-month period. The daily average gas equivalent of net water injected shall be computed in accordance with the following formula:

E-g: (V-w inj - V-w prod) X

$$\frac{5.61 \text{ ft-3} \times P\text{-a} \times 520 \text{ degrees}}{\text{bbi} \times 15.025 \times 625 \text{ degrees} \times Z}$$

where:

E-g	equals	Average daily gas equivalent of net water injected
V-w inj	equals	Average daily volume of water injected, barrels
V-w prod	equals	Average daily volume of water produced, barrels
P-a	equals	Average reservoir pressure at datum of -100 feet, psig $\pm$ 11.5, as determined from most recent semi-annual survey.
15.025	equals	Pressure base, psi
520 degrees	equals	Temperature base of 60 degrees F expressed as absolute temperature
625 degrees	equals	Reservoir temperature of 175 degrees F expressed as absolute temperature
Z	equals	Supercompressibility factor for 0.7 gravity gas at average reservoir pressure, P-a, interpolated from supercompressibility tabulation below:

Pressure	Z	Pressure	Z
2000	0.845	1200	0.889
1900	0.849	1100	0.897
1800	0.853	1000	0.905
1700	0.857	900	0.914
1600	0.861	800	0.923
1500	0.865	700	0.932
1400	0.873	600	0.941
1300	0.881	500	0.950

Distribution of the total calculated average daily gas equivalent volume may be made to any well or wells with gas-oil ratios in excess of two thousand to one. The daily adjusted oil allowable for any such well receiving water injection credit shall be determined as follows:

Well's  
Adjusted equals (Top unit allowable X 2000)  $\div$  gas  
Allowable equivalent volume assigned to well  
Well's gas-oil ratio

provided however, that in no event shall the gas equivalent volume assigned to a well be such as to cause the well's adjusted allowable to exceed the top unit allowable for the pool.

(h) Each month the project operator shall, within three days after the normal unit allowable for Northwest New Mexico has been established, submit to the Commission a South Blanco-Tocito Water Injection Project Operator's Report, on a form prescribed by the Commission, outlining thereon the data required, and requesting allowables for each of the several wells in the Project.

(i) The Commission shall, upon review of the report and after any adjustments deemed necessary, assign allowables to each well in the Project for the next succeeding month in accordance with these rules.

(j) The Special Rules and Regulations for the operation of wells in the project area shall prevail as against the Special Rules and Regulations for the South Blanco-Tocito Oil Pool, if in conflict therewith.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

### BISTI-LOWER GALLUP POOL San Juan County, New Mexico

Order No. R-1069-B, Adopting Temporary Operating Rules for the Bisti-Lower Gallup Pool, San Juan County, New Mexico, January 17, 1958, as Amended by Order No. R-1069-F, June 1, 1973, and Order No. R-1069-G, March 23, 1976.

Order No. R-1069-D, February 2, 1959, makes permanent the rules adopted in Order No. R-1069-B.

Application of Sunray Mid-Continent Oil Company for an order extending the horizontal limits of the Bisti-Lower Gallup Oil Pool, in San Juan County, New Mexico, and temporarily establishing uniform 80-acre well spacing and promulgating special rules and regulations for said pool.

CASE NO. 1308  
Order No. R-1069-B

### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m., on September 18, 1957, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," and that this cause came on for rehearing before the Commission, upon the petition of Sunray Mid-Continent Oil Company et al, at 9 o'clock a.m. on December 18, 1957 at Santa Fe, New Mexico.

NOW, on this 17th day of January, 1958, the Commission, a quorum being present, having considered the application, the petitions for rehearing, and the evidence adduced at both the original hearing and the rehearing and being fully advised in the premises,

#### FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That Order No. R-1069 should be superseded by this order.

(3) That the Commission found in Order No. R-1069 that "... the Commission should continue to follow its established policy of extending the horizontal limits of oil and gas pools in the State of New Mexico to include only such acreage as has been proven productive by actual drilling operations."

(4) That the petitioners on rehearing failed to show cause why the Commission should deviate from the aforementioned policy in the Bisti-Lower Gallup Oil Pool.

(5) That sufficient evidence was adduced by the petitioners on rehearing, in addition to the evidence adduced at the original hearing, to justify the establishment of 80-acre proration units in the Bisti-Lower Gallup Oil Pool on a temporary basis.