



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

October 4, 1990

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

Union Oil Company of California  
3300 North Butler Avenue  
Suite 200  
Farmington, NM 87401

Attention: Bill Hering

*RE: Unorthodox coal gas well location application, Rincon Unit No. 56, 1650' FSL - 1850' FEL (Unit J) Section 2, Township 26 North, Range 7 West, Basin-Fruitland Coal Gas Pool, Rio Arriba County, New Mexico. The S/2 of said Section to be dedicated to this well forming a standard 320-acre gas spacing and proration unit for said pool.*

Dear Mr. Hering:

In reviewing the subject application, it was found that Union Oil Company of California's (Unocal) ~~intends to also complete the~~ Rincon Unit Well No. 294 located at a standard coal gas well location 1219' FNL - 1246' FEL (Unit A) of said Section 2, is presently dedicated to the E/2 of said Section 2 forming a standard 320-acre gas spacing and proration unit form said pool, (see copy of C-102 attached). The proposed S/2 dedication for the No. 56 well and the E/2 dedication for the existing No. 294 well would result in overlapping proration units. Before I may proceed with processing your application, please inform me as to Unocal's intention with correctly developing the Basin-Fruitland Coal Gas Pool in Section 2.

Should you have any questions, please contact me. Thank you.

Sincerely,

*original signed*

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Aztec

District I  
 District II  
 District III

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-104  
 Revised 1-1-89  
 See Instructions  
 at Bottom of Page

**REQUEST FOR ALLOWABLE AND AUTHORIZATION  
 TO TRANSPORT OIL AND NATURAL GAS**

OIL CONSERVATION DIVISION  
 30-039-24932-VED

Operator: Union Oil Company of California  
 Address: P. O. Box 671 - Midland, TX 79702/please send approved copy to 3300 W. Butler, Farmington, NM 87401

Reason(s) for Filing (Check proper box):  
 New Well  Change in Transporter of:  
 Recommendation  Oil  Dry Gas   
 Change in Operator  Casinghead Gas  Condensate   
 C-104 submitted for record purposes with deviation reports.

**II. DESCRIPTION OF WELL AND LEASE**  
 Lease Name: Rincon Unit Well No. / Pool Name, including Formation: 294 Basin Fruitland Coal Kind of Lease: State, Federal or Fee Lease No.: E-291-3  
 Location: Unit Letter A : 1219 Feet From The north Line and 1246 Feet From The east Line  
 Section 2 Township 26N Range 7W NMPM Rio Arriba County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**  
 Name of Authorized Transporter of Oil  or Condensate  Address (Give address to which approved copy of this form is to be sent):  
No condensate  
 Name of Authorized Transporter of Casinghead Gas  or Dry Gas  Address (Give address to which approved copy of this form is to be sent):  
El Paso P. O. Box 4990 - Farmington, NM 87499  
 If well produces oil or liquids, give location of tanks: Unit   Sec.   Twp.   Rgn.   Is gas actually connected? No When? Negotiating contract

If this production is commingled with that from any other lease or pool, give commingling order number:  

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.				
6-19-90	7-22-90	2969'		2964'				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth				
6614' GR	Fruitland Coal	2822'		2863'				
Performances	2822-2920'			Depth Casing Shoe 2969'				
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
12 1/4"	8 5/8"	360'		300				
7 7/8"	4 1/2"	2969'		750				
	2 3/8"	2863'						

**V. TEST DATA AND REQUEST FOR ALLOWABLE**  
**OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)  
 Date First New Oil Run To Tank:   Date of Test:    
 Length of Test:   Tubing Pressure:   Casing Pressure:   Choke Size:    
 Actual Prod. During Test: Oil - Bbls.   Water - Bbls.   Gas - MCF    
**GAS WELL**  
 Actual Prod. Test - MCF/D: 300 Length of Test: 24 hrs. Bbls. Condensate/MMCF: 0 Gravity of Condensate:    
 Testing Method (psia, back pr.): Back pr. Tubing Pressure (Shut-in): 605 Casing Pressure (Shut-in): 605 Choke Size: 1"

**VI. OPERATOR CERTIFICATE OF COMPLIANCE**  
 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Charlotte Beeson  
 Signature: Charlotte Beeson - Drlg. Clerk  
 Printed Name: Charlotte Beeson Title:    
 Date: 8-6-90 Telephone No.: (915) 682-9731

**OIL CONSERVATION DIVISION**  
 Date Approved: AUG 13 1990  
 By: [Signature]  
 Title:  

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
  - All sections of this form must be filled out for allowable on new and recompleted wells.
  - Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
  - Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit to Appropriate District Office - State Leases - 6 copies Fee Leases - 5 copies DISTRICT I P.O. Box 1980, Hobbs, NM 88240

CONSERVATION DIVISION RECEIVED AUG 16 AM 9 49

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105 Revised 1-1-89

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 87504-2088

RECEIVED

WELL API NO. 30-039-24732

5. Indicate Type of Lease - STATE  FEE

6. State Oil & Gas Lease No. E-291-3

7. Lease Name or Unit Agreement Name

Rincon Unit

8. Well No. 294

9. Pool name or Wildcat Basin Fruitland Coal

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  DEEPEN  PLUG BACK  DIFF. RESERV.  OTHER

OIL CON. DIV. DIST. 3

2. Name of Operator Union Oil Company of California

3. Address of Operator P. O. Bpx 671 - Midland, TX 79702

4. Well Location Unit Letter A : 1219 Feet From The north Line and 1246 Feet From The east Line Section 2 Township 26N Range 7W NMPM Rio Arriba County

10. Date Spudded: 6-19-90 11. Date T.D. Reached: 6-22-90 12. Date Compl. (Ready to Prod.): 7-22-90 13. Elevations (DF & RKB, RT, GR, etc.): 6614' GR 14. Elev. Casingshead:

15. Total Depth: 2969' 16. Plug Back T.D.: 2964' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By: Rotary Tools 0-2969' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name: 2822-2920' Fruitland Coal 20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: MRL SDL GR CCL 22. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	360'	12 1/4"	Cl B 300 sxs	
4 1/2"	11.6#	2969'	7 7/8"	Cl H 150 sxs (1st stage)	
				Cl B 600 sxs (2nd stage)	
				DV @ 2532'	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	2863'	

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2822', 2830-38', 2888-90', 2892-96', 2898-2901', 2905-2920' 4SPF .46" 152 holes	2822-2920'	24,000 gals 30# XLB gel, 120,000# 20/40 sd & 750,000 SCF N <sub>2</sub>

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)					
	Flowing	Shut-in					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-25-90	24	1"		0	300	5	-
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
100 psi	175 psi		0	300	5		

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented during testing Test Witnessed By: Bob Caine

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Charlotte Beeson Printed Name Charlotte Beeson Title Drlg. Clerk Date 8-6-90



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

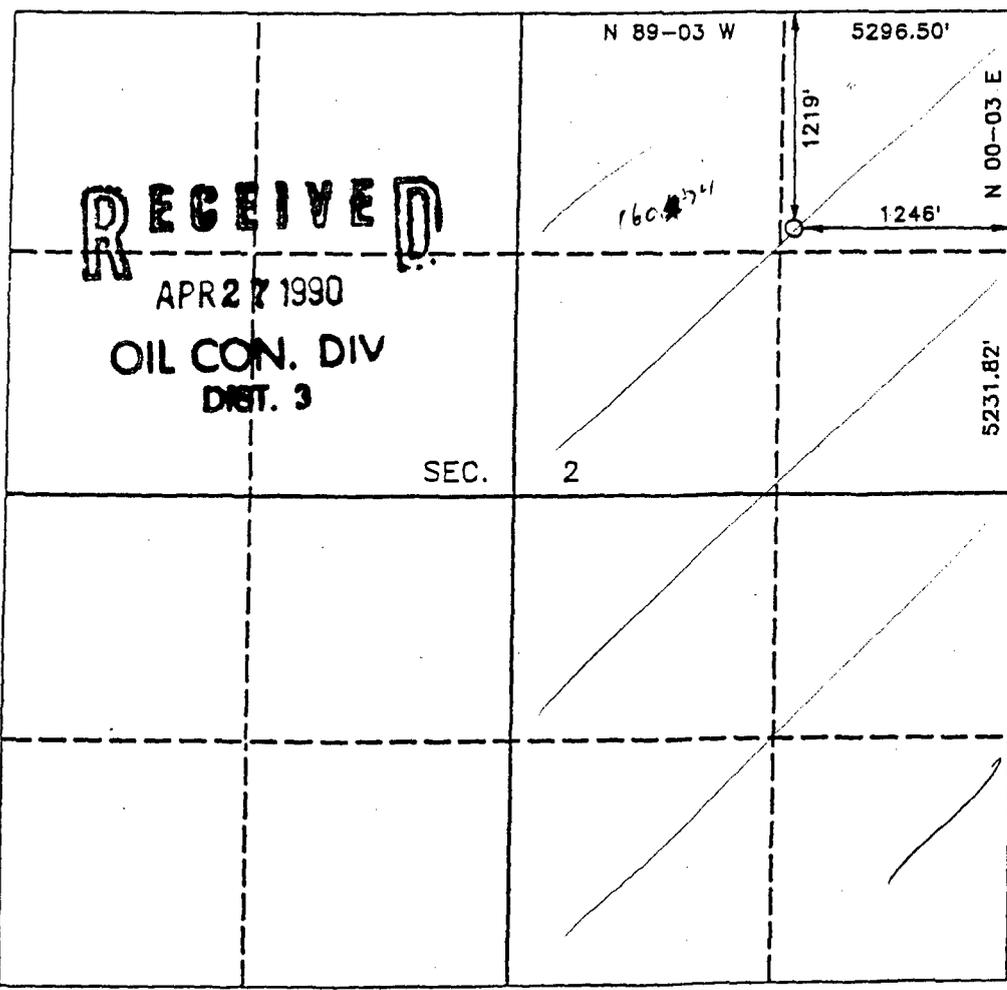
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>UNION OIL CO. OF CALIFORNIA</b>		Lease <b>RINCON UNIT</b>		Well No. <b>294</b>
Unit Letter <b>A</b>	Section <b>2</b>	Township <b>T.26 N.</b>	Range <b>R.7 W.</b>	County <b>RIO ARriba COUNTY</b>
Actual Footage Location of Well: <b>1219</b> feet from the <b>NORTH</b> line and <b>1246</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>6614</b>	Producing Formation <b>FRUITLAND COAL</b>	Pool <b>BASIN FRUITLAND COAL</b>	Dedicated Acreage: <b>320.74</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
  - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
  - 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.



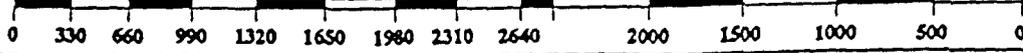
**RECEIVED**  
APR 27 1990  
OIL CON. DIV  
DIST. 3

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

Signature: *Chris Russell*  
Printed Name: **CHRIS RUSSELL**  
Position: **AGENT**  
Company: **UNOCA**  
Date: **4-26-90**

**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: **APRIL 26, 1990**  
Signature & Seal of Professional Surveyor: *R. Edward Dagge*  
Certificate No.: **9679**  
Registered Professional Land Surveyor



OIL CONSERVATION DIVISION  
RECEIVED

'90 OCT 15 AM 8:52

**Unocal Oil & Gas Division**

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



September 6, 1990

Farmington District

Certified Mail

Atlantic Richfield Company  
Box 1610  
Midland, TX 79202

RE: Offset Owner Consent  
Rincon Unit #56, 2J, T26N-R7W  
Rio Arriba County, NM

Gentlemen:

Union Oil Company of California dba Unocal intends to recomplete the existing Rincon Unit #56 in the southeast quarter of Section 2, T26N-R7W to the Basin Fruitland Coal Gas formation. This well, originally drilled and completed to the Blanco Pictured Cliffs South, is no longer economic to produce. It is located 2510' FSL and 1830' FEL. An administrative approval application for a non-standard and unorthodox Basin Fruitland Coal Gas location has been made to the New Mexico Oil Conservation Division (NMOCD).

Since records show your company to be an offset owner, Unocal respectfully requests that you indicate your approval or disapproval of this project to the NMOCD. If you have no objection, please sign and date the Waiver of Objection given below, furnishing one copy to the NMOCD and forwarding one copy to the office indicated on the letter-head. Since this project is critical in regard to timing, your early response would be appreciated.

Respectfully submitted,

Union Oil Company of California  
dba UNOCAL

*Bill Hering*  
Bill Hering  
District Petroleum Engineer

WAIVER

ARCO Oil & Gas hereby waives objection to Union Oil Company of California's application for a non-standard and unorthodox Fruitland Coal location in the Rincon Unit #56 as proposed above.

By: *JR Manway*

Date: 10/3/90

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

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

**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

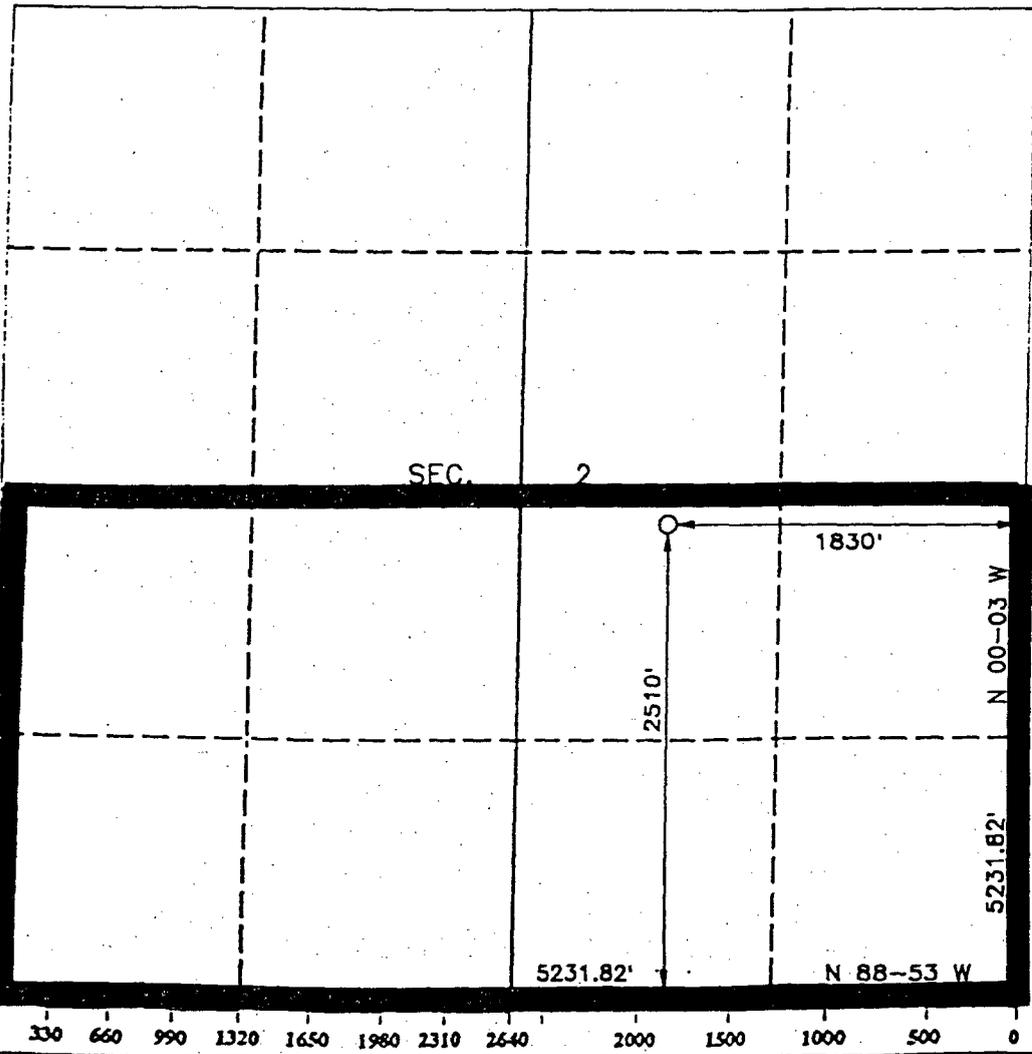
Operator <b>UNION OIL CO. OF CALIFORNIA</b>		Lease <b>RINCON UNIT</b>		Well No. <b>56</b>
Unit Letter <b>J</b>	Section <b>2</b>	Township <b>T.26 N.</b>	Range <b>R.7 W.</b>	County <b>RIO ARRIBA COUNTY</b>
Actual Footage Location of Well: <b>2510</b> feet from the <b>SOUTH</b> line and <b>1830</b> feet from the <b>EAST</b> line				
Ground level Elev. <b>6676</b>	Producing Formation <b>FRUITLAND COAL</b>	Pool <b>BASIN FRUITLAND COAL</b>	Dedicated Acreage: <b>320</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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: *William Hering*  
Printed Name: **William Hering**  
Position: **Dist. Petroleum Engineer**  
Company: **Union Oil Co. of Calif.**  
Date: **9-7-90**

**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.

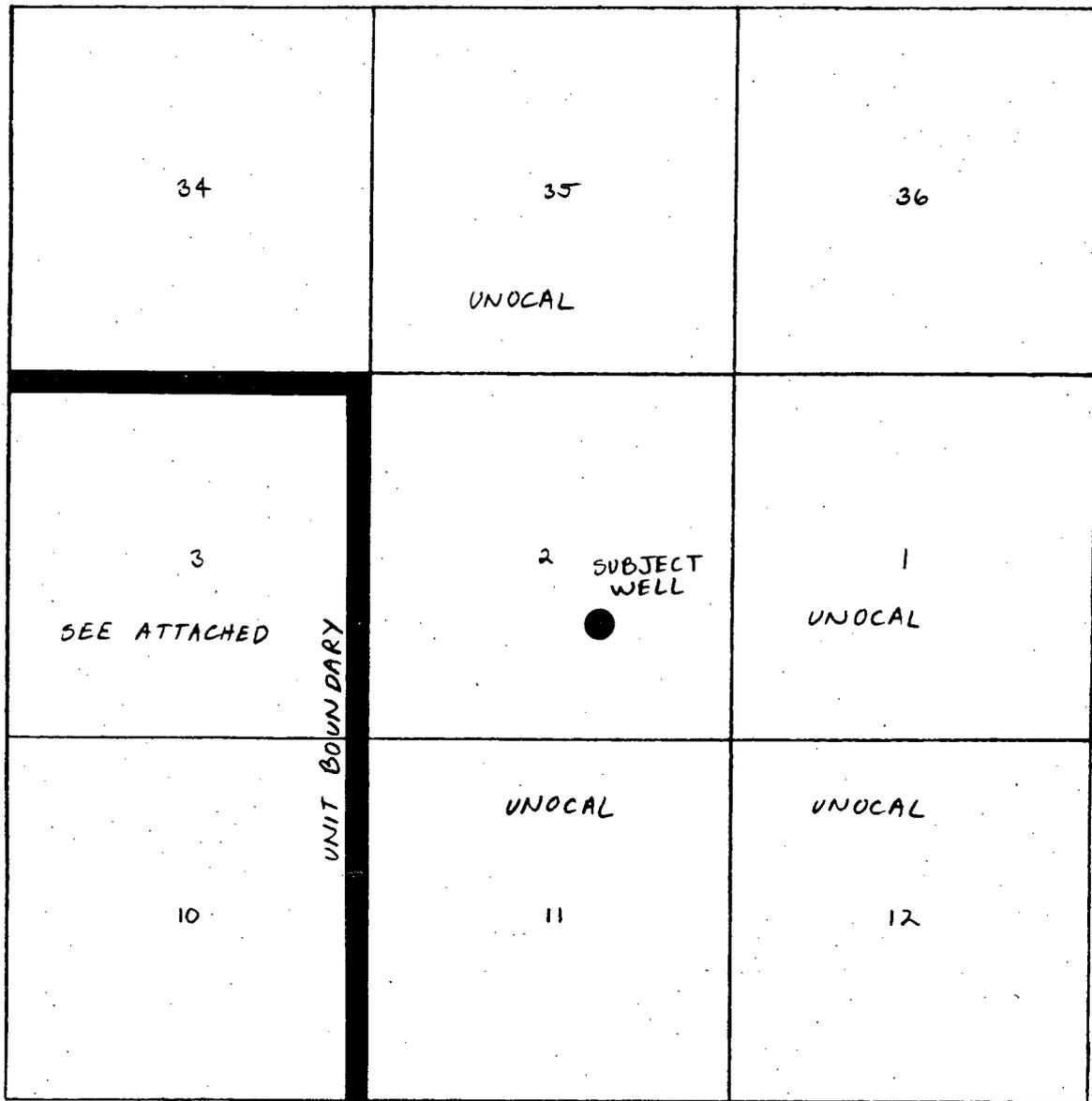
Date Surveyed: **SEPTEMBER 5, 1990**  
Signature: *Richard Daggett*  
Professional Surveyor  
Certificate No. **8679**  
Registered Professional Land Surveyor

Calculation Record

**UNOCAL** 76

PREPARED BY	CHECKED BY	DATE 9-1-90	PAGE OF
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SUBJECT: RINCON UNIT #56 - OFFSET OPERATOR PLAT



34

35

36

UNOCAL

3

SEE ATTACHED

UNIT BOUNDARY

2

SUBJECT WELL



1

UNOCAL

T27N

10

UNOCAL

11

UNOCAL

12

T26N

R7W

R6W

## RINCON 56 - OFFSET OWNERS & OPERATOR

Atlantic Richfield Company  
Box 1610  
Midland, TX 79202

Meridian Oil Company  
P.O. Box 4289  
Farmington, NM 87499-4289

Wiser Oil Company  
P.O. Box 192  
Sisterville, WV 26175-0192

Burton/Hawks, Inc.  
P.O. Box 359  
Casper, Wyoming 82602

NCRA  
1775 Sherman St., Suite 3000  
Denver, Colorado 80203

OIL CONSERVATION DIVISION  
RECEIVED

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

'90 SEP 18 AM 8 46

**UNOCAL** 76

September 6, 1990

RECEIVED  
SEP 11 1990

Farmington District

Certified Mail

Wiser Oil Company  
P.O. Box 192  
Sisterville, WV 26175-0192

RE: Offset Owner Consent  
Rincon Unit #56, 2J, T26N-R7W  
Rio Arriba County, NM

Gentlemen:

Union Oil Company of California dba Unocal intends to recomplete the existing Rincon Unit #56 in the southeast quarter of Section 2, T26N-R7W to the Basin Fruitland Coal Gas formation. This well, originally drilled and completed to the Blanco Pictured Cliffs South, is no longer economic to produce. It is located 2510' FSL and 1830' FEL. An administrative approval application for a non-standard and unorthodox Basin Fruitland Coal Gas location has been made to the New Mexico Oil Conservation Division (NMOCD).

Since records show your company to be an offset owner, Unocal respectfully requests that you indicate your approval or disapproval of this project to the NMOCD. If you have no objection, please sign and date the Waiver of Objection given below, furnishing one copy to the NMOCD and forwarding one copy to the office indicated on the letter-head. Since this project is critical in regard to timing, your early response would be appreciated.

Respectfully submitted,

Union Oil Company of California  
dba UNOCAL

*Bill Hering*

Bill Hering  
District Petroleum Engineer

WAIVER

The Wiser Oil Company hereby waives objection to Union Oil Company of California's application for a non-standard and unorthodox Fruitland Coal location in the Rincon Unit #56 as proposed above.

By: *Burt R. Schmalz*

Date: 9-11-90