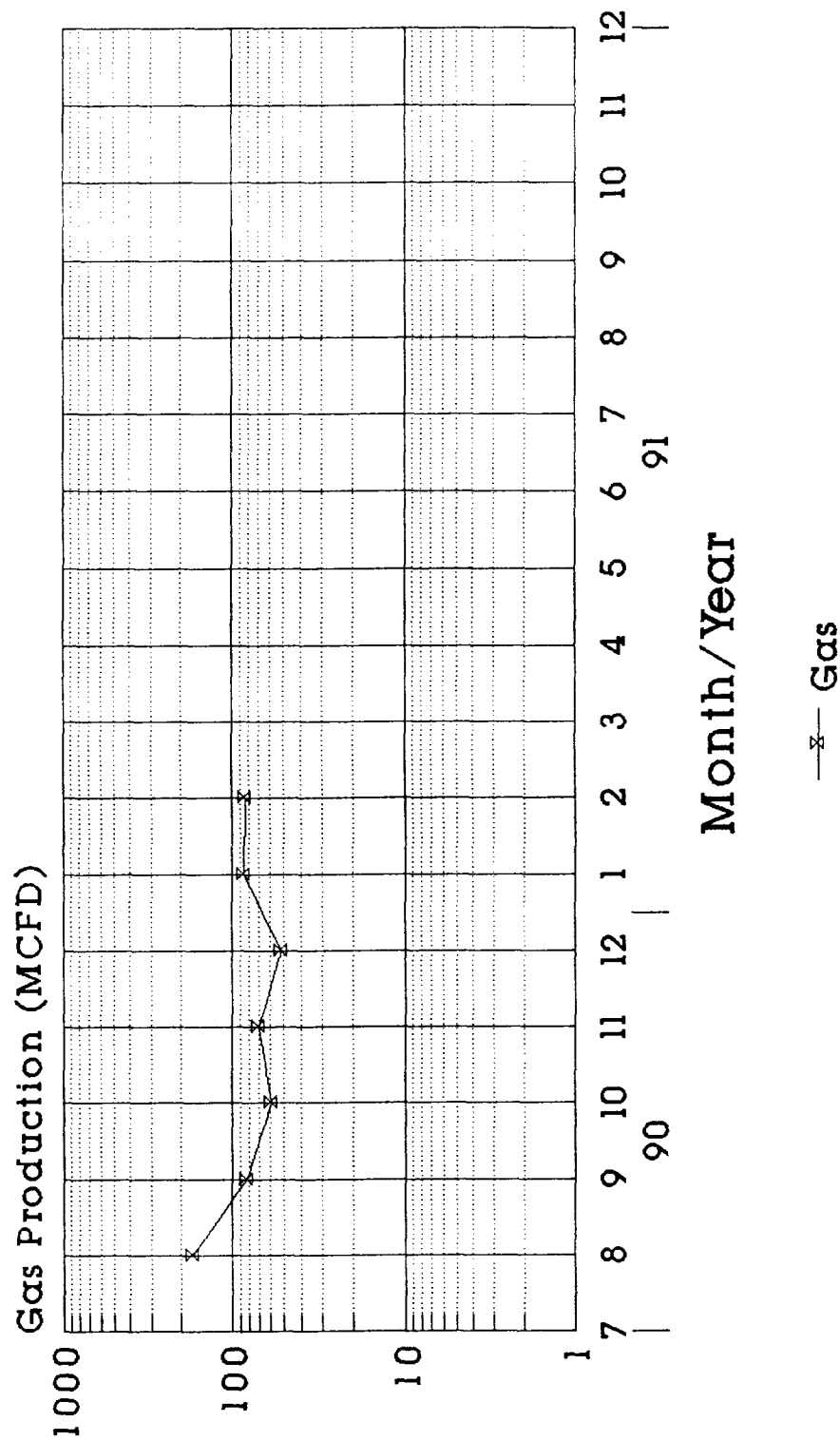


RINCON UNIT #287

RIO ARriba COUNTY, NEW MEXICO



Production based on actual days on

UNOCAL North American Oil & Gas Division
Economic Report Summary

REGION: Southwestern

DISTRICT: Farmington

CNTYSTATE: New Mexico

PROJECT NAME: RINCON U. #287 - FT TAXCR

LOCATION:

BUDGET CATEGORY:

EFFECTIVE DATE: FEB 0

BUDGET PRIORITY:

PROPOSED BY :

IDENTIFICATION				PROFIT INDICES			PRESENT WORTH PROFILE		
					BTAX	ATAX			
FIELD	:	BASIN FRUITLAND COAL		PROFIT TO INV (P/I):	----	----	DISCOUNT	BTAX	ATAX
LSE/BLOCK	:			UNDISCOUNTED	-0.56	0.14	RATE (%)	(M\$)	(M\$)
FORMATION	:	FRUITLAND COAL		DISC @ 10.0%	-0.71	-0.18	-----	-----	-----
TOTAL DEPTH:				DISC @ 15.0%	-0.76	-0.27	0.0	-164.	42.
OPERATOR	:	Unocal		INV EFF RATIO (IER):			5.0	-191.	-14.
AFE #	:			UNDISCOUNTED	-0.56	0.17	10.0	-208.	-51.
LIFE (YRS)	:	30.1		DISC @ 10.0%	-0.71	-0.22	15.0	-220.	-78.
				DISC @ 15.0%	-0.76	-0.33	20.0	-228.	-97.
							25.0	-234.	-112.
WI		ORI	GRI	DATE					
100.00000		80.99870	80.99870	APR 1990	PAYOUT (YEARS)	*	9.6		
					RATE OF RETURN (%)	-1000.0	3.6	DISCOUNT DATE : APR 1990	
								DISCOUNT METHOD: EFFECTIVE MON	

----- COMMODITY PRICES -----					----- INVESTMENTS (M\$) -----			----- CASH FLOW (M\$) -----	
		BEG	END	AVG		GROSS	NET		NET
		-----	-----	-----		-----	-----		-----
OIL	(\$/BBL)	0.00	0.00	0.00	LEASEHOLD	0.	0.	TOTAL REVENUES	327.
GAS	(\$/MCF)	1.56	1.42	1.44	DRY HOLE	0.	0.	EXPENSES:	
NGL	(\$/BBL)	0.00	0.00	0.00				OPEX (LOE)	107.
SULPHUR	(\$/TON)	0.00	0.00	0.00	DRILLING	0.	0.	WORKOVER	0.
					COMPLETION	0.	0.	PLANT	0.
\$EQUIV BOE RATIO		6.00	6.00	6.00	PLATFORM	0.	0.	SEV & ADVAL TAXES	48.
					FACILITIES	0.	0.	INDIRECT	18.
----- UNIT COST PERFORMANCE -----					PIPELINE	0.	0.	OVERHEAD	25.
		GROSS	NET		PLANT	0.	0.	NET ABAND/SALV	0.
		-----	-----		GATHERING	0.	0.		
OPEX	(\$/BOE)		2.28	2.82				NET INVESTMENTS	294.
OPEX	(\$/BOE\$)		6.65	8.21	MISC INTAN	206.	206.		
F&D	(\$/BOE)		6.27	7.74	MISC TAN	88.	88.	BTAX CASH FLOW	-164.
F&D	(\$/BOE\$)		18.25	22.53				INCOME TAXES PAID	-206.
ATAX CF	(\$/BOE)			1.09	TOTAL	294.	294.	ATAX CASH FLOW	42.
ATAX CF	(\$/BOE\$)			3.19	DISC @ 10.0%	292.	292.	ATAX DISC @ 10.0%	-51.

RESERVES & PRODUCTION				ASSUMPTIONS & REMARKS	
	GROSS	NET			
	REMAIN	ULT	REMAIN	ULT	
OIL (MBBLS)	0.	0.	0.	0.	
GAS (MMCF)	281.	281.	228.	228.	
NGL (MBBLS)	0.	0.	0.	0.	
SULPHUR (MTONS)	0.	0.	0.	0.	
EQUIVALENT RESERVES:					
BTU (MBOE)	47.	47.	38.	38.	
VALUE (MBOE\$)	16.	16.	13.	13.	
INITIAL RATE:					
OIL (BBL/DAY)	0.				GLOBAL FILES: 1= \$UNOCAL1 2= \$UNOCAL2
GAS (MCF/DAY)	177.				ALTKEY: USA

DATE: 04/20/91

TIME: 09:05:53

RPT FILE: 4

PG # 13

PRJ FILE: P.A.

EVAL #

9

P.A.
AL #: 9

UNOCAL North American Oil & Gas Division
Economic Report Summary
AS OF APR 1, 1990

DATE: 04/20/91
TIME: 09:05:53
PAGE: 14

ME : RINCON U. #287 - FT TAXCR
ELD : BASIN FRUITLAND COAL
TY, STATE: NEW MEXICO
RMATION : FRUITLAND COAL
ERATOR : UNOCAL

	GROSS PROD OIL + COND	NET VOLUME OIL + COND	GROSS GAS PRODUCTION	NET GAS VOLUME	NET EQ PROD (RE: BOE)	EFFECTIVE O+C PRICE	NET REV OIL + COND	EFFECTIVE GAS PRICE	NET GAS REVENUE	NET TOTAL REVENUE
	---MMBLS---	---MMBLS---	---MMCF---	---MMCF---	---EMMBLS---	---\$/BBL---	---M\$---	---\$/MCF---	---M\$---	---M\$---
MO)1990	0.0	0.0	13.5	10.9	1.8	0.00	0.0	1.84	20.1	20.1
1991	0.0	0.0	25.4	20.6	3.4	0.00	0.0	1.42	29.2	29.2
1992	0.0	0.0	18.6	15.1	2.5	0.00	0.0	1.42	21.4	21.4
1993	0.0	0.0	16.4	13.3	2.2	0.00	0.0	1.42	18.8	18.8
1994	0.0	0.0	14.8	12.0	2.0	0.00	0.0	1.42	17.0	17.0
1995	0.0	0.0	13.7	11.1	1.9	0.00	0.0	1.42	15.8	15.8
1996	0.0	0.0	12.8	10.4	1.7	0.00	0.0	1.42	14.7	14.7
1997	0.0	0.0	11.9	9.7	1.6	0.00	0.0	1.42	13.7	13.7
1998	0.0	0.0	11.3	9.1	1.5	0.00	0.0	1.42	13.0	13.0
1999	0.0	0.0	10.7	8.7	1.4	0.00	0.0	1.42	12.3	12.3
2000	0.0	0.0	10.2	8.3	1.4	0.00	0.0	1.42	11.7	11.7
2001	0.0	0.0	9.7	7.8	1.3	0.00	0.0	1.42	11.1	11.1
2002	0.0	0.0	9.2	7.5	1.2	0.00	0.0	1.42	10.6	10.6
2003	0.0	0.0	8.7	7.1	1.2	0.00	0.0	1.42	10.0	10.0
2004	0.0	0.0	8.3	6.7	1.1	0.00	0.0	1.42	9.5	9.5
SUB TOTAL	0.0	0.0	195.5	158.3	26.4	0.00	0.0	1.44	228.8	228.8
REMAINDER	0.0	0.0	85.9	69.6	11.6	0.00	0.0	1.42	98.5	98.5
T 30.1 YR	0.0	0.0	281.4	227.9	38.0	0.00	0.0	1.44	327.3	327.3

	NET LOE (FIX + VAR)	NET WORKOVR	NET TOTAL DIRECT EXP	NET TOTAL TAXES	NET ADMIN EXPENSE	NET TOTAL INVESTMENT	BTAX CASHFLOW	INCOME TAXES PAID	ATAX CASHFLOW	CUM ATAX CASHFLOW
	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---	---M\$---
MO)1990	1.5	0.0	1.5	2.5	0.6	294.0	-278.5	-66.5	-212.0	-212.0
1991	3.6	0.0	3.6	4.3	1.4	0.0	19.9	-25.8	45.6	-166.4
1992	3.6	0.0	3.6	3.1	1.4	0.0	13.2	-20.5	33.7	-132.7
1993	3.6	0.0	3.6	2.8	1.4	0.0	11.0	-17.9	28.9	-103.8
1994	3.6	0.0	3.6	2.5	1.4	0.0	9.5	-16.0	25.5	-78.3
1995	3.6	0.0	3.6	2.3	1.4	0.0	8.4	-13.6	22.0	-56.3
1996	3.6	0.0	3.6	2.2	1.4	0.0	7.5	-10.4	17.9	-38.4
1997	3.6	0.0	3.6	2.0	1.4	0.0	6.6	-8.5	15.2	-23.3
1998	3.6	0.0	3.6	1.9	1.4	0.0	6.0	-6.8	12.8	-10.5
1999	3.6	0.0	3.6	1.8	1.4	0.0	5.5	-6.5	12.0	1.6
2000	3.6	0.0	3.6	1.7	1.4	0.0	4.9	-6.3	11.3	12.8
2001	3.6	0.0	3.6	1.6	1.4	0.0	4.4	-6.1	10.5	23.3
2002	3.6	0.0	3.6	1.5	1.4	0.0	4.0	-5.9	9.8	33.2
2003	3.6	0.0	3.6	1.5	1.4	0.0	3.5	1.3	2.2	35.4
2004	3.6	0.0	3.6	1.4	1.4	0.0	3.1	1.2	1.9	37.3
SUB TOTAL	51.9	0.0	51.9	33.1	20.7	294.0	-170.9	-208.2	37.3	37.3
REMAINDER	55.2	0.0	55.2	14.5	22.0	0.0	6.9	2.6	4.3	41.6
T 30.1 YR	107.1	0.0	107.1	47.6	42.6	294.0	-164.0	-205.6	41.6	41.6

F:P.A.
VAL #: 9

UNOCAL North American Oil & Gas Division
Economic Report Summary
AS OF APR 1, 1990

DATE: 04/20/91
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PAGE: 15

ME : RINCON U. #287 - FT TAXCR
ELD : BASIN FRUITLAND COAL
TY, STATE: NEW MEXICO
RMATION : FRUITLAND COAL
ERATOR : UNOCAL

	GROSS TOTAL INVESTMENT	TOTAL GROSS OPER EXP	NUMBER GROSS WELLS	NET NGL VOLUME	EFFECTIVE NGL PRICE	NET NGL REVENUE	NET SULPHUR	NET PLANT OPER EXP	NET TRANS +TREAT+COMP	NET ABAND & SALVAGE
	-----M\$-----	-----M\$-----	-----	-----MMBLS-----	-----\$/BBL-----	-----M\$-----	-----M-TONS-----	-----M\$-----	-----M\$-----	-----M\$-----
9MO)1990	294.0	1.5	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1991	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1992	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1993	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1994	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1995	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1996	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1997	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1998	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1999	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
2000	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
2001	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
2002	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
2003	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
2004	0.0	3.6	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
SUB TOTAL	294.0	51.9	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
REMAINDER	0.0	55.2	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
AT 30.1 YR	294.0	107.1	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0

	NET LEASEHOLD	NET DRY HOLE	NET DRILLING	NET COMPLETION	NET FACILITIES	NET PLATFORM	NET PIPELINE	TAX DEPREC	TAX DEPLETION	IDC AMORT
	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----	-----M\$-----
9MO)1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	5.2
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	12.4
1992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	12.4
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	12.4
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	12.4
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	7.2
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	61.8
REMAINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AT 30.1 YR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	61.8

F.P.A.
VAL #: 9

UNOCAL North American Oil & Gas Division
Economic Report Summary
AS OF APR 1, 1990

DATE: 04/20/91
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NAME : RINCON U. #287 - FT TAXCR
FIELD : BASIN FRUITLAND COAL
CITY, STATE: NEW MEXICO
FORMATION : FRUITLAND COAL
OPERATOR : UNOCAL

	TEMP #1	TEMP #2	TEMP #5	TEMP #6	NET CREDITS INPUT
	-----M\$-----				
9MO)1990	15924.1	10.8	0.840	0.000	10.8
1991	30017.7	20.4	0.840	0.000	20.4
1992	21990.5	15.0	0.840	0.000	15.0
1993	19389.1	13.2	0.840	0.000	13.2
1994	17519.6	11.9	0.840	0.000	11.9
1995	16224.7	11.0	0.840	0.000	11.0
1996	15089.0	10.3	0.840	0.000	10.3
1997	14069.3	9.6	0.840	0.000	9.6
1998	13329.7	9.1	0.840	0.000	9.1
1999	12663.2	8.6	0.840	0.000	8.6
2000	12030.0	8.2	0.840	0.000	8.2
2001	11428.5	7.8	0.840	0.000	7.8
2002	10857.1	7.4	0.840	0.000	7.4
2003	10314.2	0.0	0.000	0.000	0.0
2004	9798.5	0.0	0.000	0.000	0.0
SUB TOTAL	230645.3	143.2	0.840	0.000	143.2
REMAINDER	101382.3	0.0	0.000	0.000	0.0
TOT 30.1 YR	332027.5	143.2	0.840	0.000	143.2



CONSERVATION DIVISION

United States Department of the Interior

MAR 29 AM 8 58

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:

Rincon Initial Gallup (PA)
3480 (019)

MAR. 27 1991

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

Gentlemen:

We have completed a Geologic and Engineering review of your application for the Initial Gallup Participating Area for the Rincon Unit. Your application is based upon the completion of well No. 164 NW/4SW/4 section 2, T. 26 N., R. 7 W., into the Gallup formation. Based upon our review the Initial Gallup PA for the Rincon Unit is hereby approved, effective September 22, 1980. We are enclosing a copy of the approved Schedule B.

If you have any questions concerning this matter, please call Duane Spencer at (505) 327-5344.

Sincerely,

/s/ Mark Kelly

John L. Keller
Chief, Branch of Minerals

FOR

1 Enclosure

cc:
Minerals Management Service w/encl.
New Mexico Oil Conservation Division w/o incl.
Commissioner of Public Lands w/encl.

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

CONSERVATION DIVISION
RECEIVED



FEB 1 1991 9 40

February 1, 1991

Farmington District

U.S. Dept. of the Interior
Branch of Land Management
Branch of Fluid Minerals
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87504-1148

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: 1990 REVIEW OF OPERATIONS
1991 PLAN OF DEVELOPMENT
Rincon Unit
Rio Arriba County, NM

Gentlemen:

Union Oil of California (Unocal) is the operator of the Rincon Unit in Rio Arriba County, New Mexico.

1990 REVIEW OF OPERATIONS

During 1990 a total of 37 wells were drilled and completed within the unit. These include the following:

Well Name/Number	Formation	Location

Rincon #246	Basin Fruitland Coal	NE/4 S23,T27N,R06W
Rincon #251	Basin Fruitland Coal	SW/4 S28,T27N,R06W
Rincon #252	Basin Fruitland Coal	NE/4 S18,T27N,R06W
Rincon #253	Basin Fruitland Coal	SW/4 S17,T27N,R06W

Well Name/Number	Formation	Location

Rincon #254	Basin Fruitland Coal	NE/4 S20,T27N,R06W
Rincon #255	Basin Fruitland Coal	SW/4 S20,T27N,R06W
Rincon #256	Basin Fruitland Coal	SW/4 S16,T27N,R06W
Rincon #257	Basin Fruitland Coal	NE/4 S16,T27N,R06W
Rincon #258	Basin Fruitland Coal	NE/4 S17,T27N,R06W
Rincon #259	Basin Fruitland Coal	NE/4 S29,T27N,R06W
Rincon #260	Basin Fruitland Coal	NE/4 S32,T27N,R06W
Rincon #261	Basin Fruitland Coal	SW/4 S29,T27N,R06W
Rincon #263	Basin Fruitland Coal	NE/4 S19,T27N,R06W
Rincon #264	Basin Fruitland Coal	SW/4 S19,T27N,R06W
Rincon #265	Basin Fruitland Coal	NE/4 S30,T27N,R06W
Rincon #269	Basin Fruitland Coal	SW/4 S12,T26N,R07W
Rincon #270	Basin Fruitland Coal	NE/4 S12,T26N,R07W
Rincon #271	Basin Fruitland Coal	SW/4 S01,T26N,R07W
Rincon #272	Basin Fruitland Coal	NE/4 S01,T26N,R07W
Rincon #273	Basin Fruitland Coal	SW/4 S36,T27N,R07W
Rincon #274	Basin Fruitland Coal	NE/4 S36,T27N,R07W
Rincon #276	Basin Fruitland Coal	NE/4 S13,T27N,R07W
Rincon #277	Basin Fruitland Coal	SW/4 S13,T27N,R07W
Rincon #278	Basin Fruitland Coal	NE/4 S14,T27N,R07W
Rincon #279	Basin Fruitland Coal	SW/4 S14,T27N,R07W
Rincon #280	Basin Fruitland Coal	NE/4 S15,T27N,R07W
Rincon #281	Basin Fruitland Coal	NE/4 S23,T27N,R07W
Rincon #286	Basin Fruitland Coal	SW/4 S26,T27N,R07W
Rincon #287	Basin Fruitland Coal	SW/4 S27,T27N,R07W
Rincon #290	Basin Fruitland Coal	SW/4 S33,T27N,R07W
Rincon #291	Basin Fruitland Coal	NE/4 S34,T27N,R07W
Rincon #292	Basin Fruitland Coal	SW/4 S35,T27N,R07W
Rincon #293	Basin Fruitland Coal	NE/4 S35,T27N,R07W
Rincon #294	Basin Fruitland Coal	NE/4 S02,T26N,R07W
Rincon #295	Basin Fruitland Coal	NE/4 S11,T26N,R07W
Rincon #300	Basin Fruitland Coal	NE/4 S06,T26N,R06W
Rincon #301	Basin Fruitland Coal	SW/4 S25,T27N,R07W

Additionally, three wells were plugged back to the Basin Fruitland coal. These include:

Well Name/Number	Previous Completion	Location

Rincon #19 PC	Pictured Cliffs	30E,T27N,R06W
Rincon #35 PC	Pictured Cliffs	34K,T27N,R07W
Rincon #117 PC	Pictured Cliffs	21I,T27N,R06W

Attached production curves reflect the past years production by formation.

1991 PLAN OF DEVELOPMENT

Proposed for the 1991 calendar year is the drilling and completion of five (5) infill development gas wells. These wells and their proposed locations are presented on the following page.

Well Name/Number	Formation	Location
Rincon 158M	Dual Mesa Verde/Dakota	SE/4, T27N, R06W
Rincon 167M	Dual Mesa Verde/Dakota	NW/4, T27N, R07W
Rincon 175M	Dual Mesa Verde/Dakota	NW/4, T27N, R06W
Rincon 180M	Dual Mesa Verde/Dakota	NW/4, T27N, R06W
Rincon 192M	Dual Gallup/Dakota	NW/4, T26N, R07W

The following wells will be dualled with an existing completion or recompleted to a different formation:

Well Name/Number	Proposed Formation	Operation	Location
Rincon 57	Gallup	Dual w/ DK	1A, T26N, R7W
Rincon 158	Gallup	Plug-Back	22L, T27N, R6W
Rincon 254	Pict Cliffs	Deepening	20H, T27N, R6W

A number of wells were scheduled for plugging and abandonment, however, rig availability and weather conditions precluded the work being done in 1990. As such these wells will be plugged and abandoned this year. These wells include the following:

Well Name/Number	Formation	Location
Rincon 8	Mesa Verde	20K, T27N, R06W
Rincon 28	Pictured Cliffs	29B, T27N, R06W
Rincon 36	Pictured Cliffs	14N, T27N, R07W
Rincon 89	Pictured Cliffs	13P, T27N, R07W
Rincon 112	Pictured Cliffs	200, T27N, R06W
Rincon 191	Chacra	11E, T26N, R07W
Rincon 238	Chacra	22A, T27N, R07W

Unocal believes that all unit drilling obligations have been met, however, additional wells to prevent drainage or to meet any other regulatory or legal requirement will be assessed and drilled as the need arises. This plan has been sent to each Rincon Unit working interest owner. All work listed herein is subject to partner and management approval.

Yours very truly,

Union Oil Company of California
dba UNOCAL

William Hering

William Hering
District Petroleum Engineer

RINCON UNIT PRODUCTION WELLS

Pictured Cliffs Plugged and Abandoned	3
Pictured Cliffs in P.A.	100
Pictured Cliffs/Chacra Dual in P.A.	1
Pictured Cliffs/Mesa Verde Duals in P.A.	9
Mesa Verde in P.A.	28
Mesa Verde Non-P.A.	2
Mesa Verde/Chacra Duals in P.A.	4
Mesa Verde/Dakota Duals in P.A.	6
Mesa Verde Non-P.A./Dakota P.A. Duals	5
Dakota in P.A.	47
Dakota Non-P.A.	1
Gallup Non-P.A./Dakota P.A. Duals (awaiting approval for P.A.)	1
Chacra in P.A.	8
Fruitland Coal (awaiting approval for P.A.)	45
Total	260
Total Less Plugged and Abandoned	257

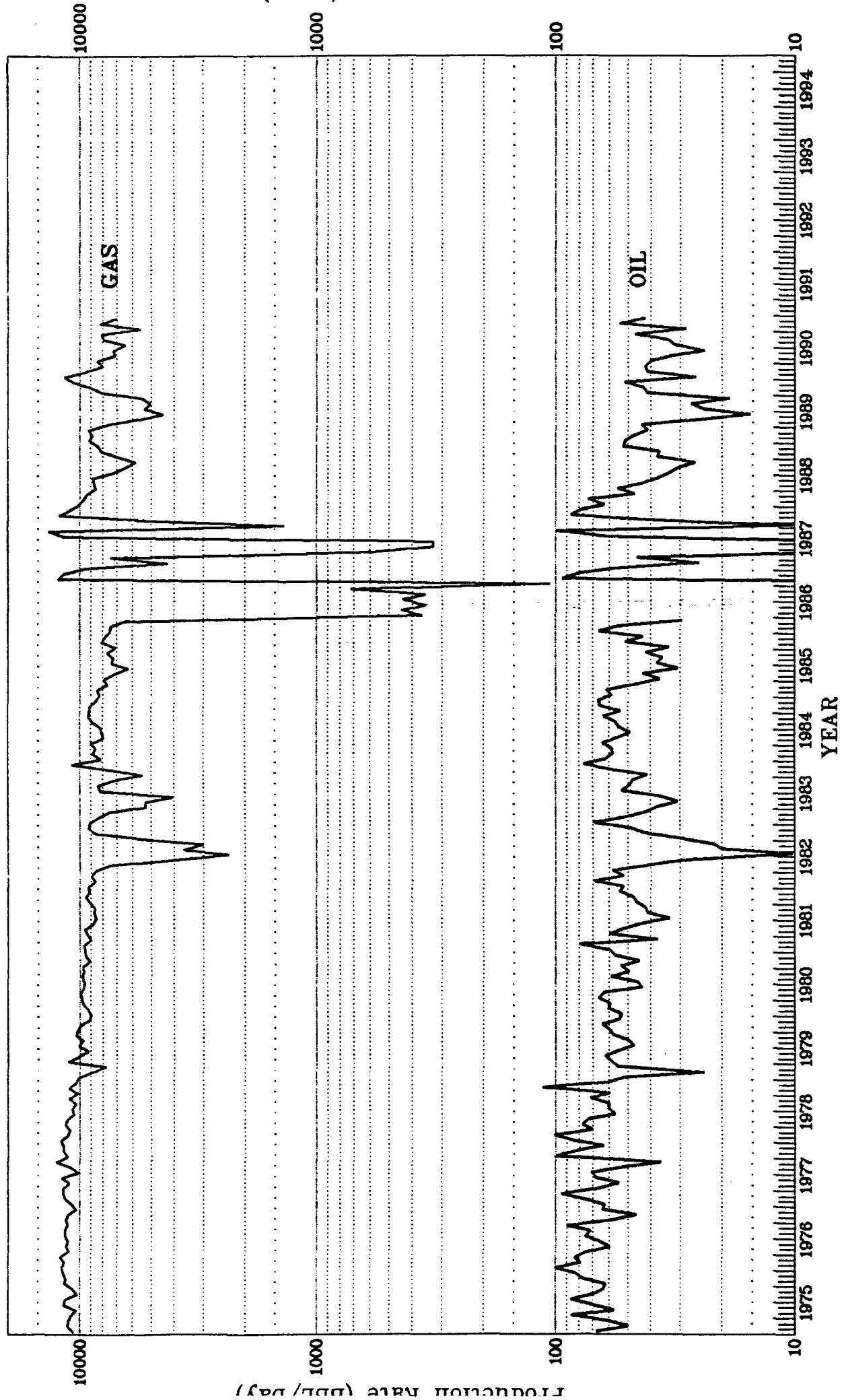
FIELD---BASIN

FORMATION---DAKOTA

RIO ARRIBA COUNTY, NEW MEXICO

RINCON UNIT

TOTAL

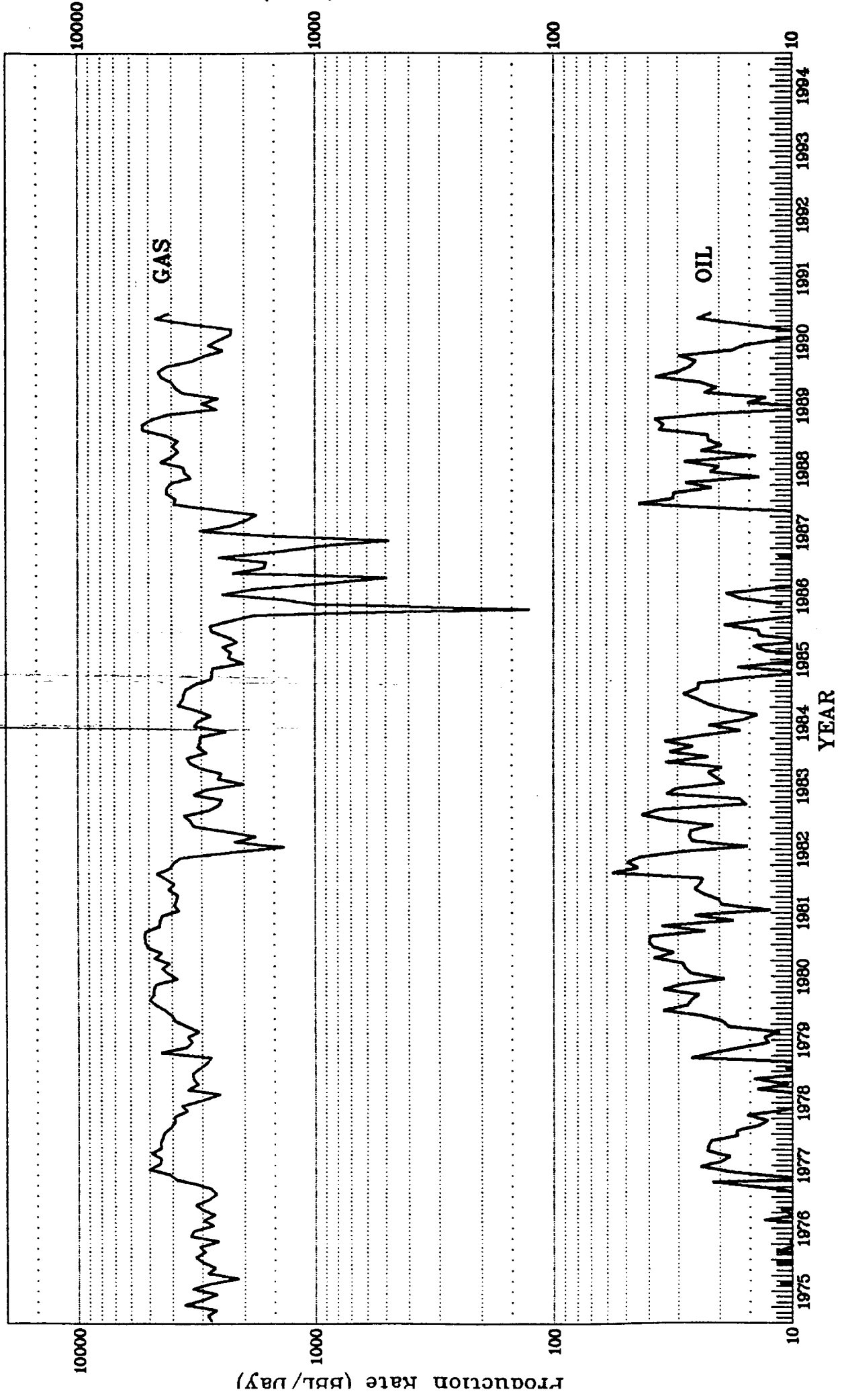


FIELD--BLANCO

FORMATION--MESAVERDE

RIO ARriba COUNTY, NEW MEXICO

RINCON UNIT
TOTAL



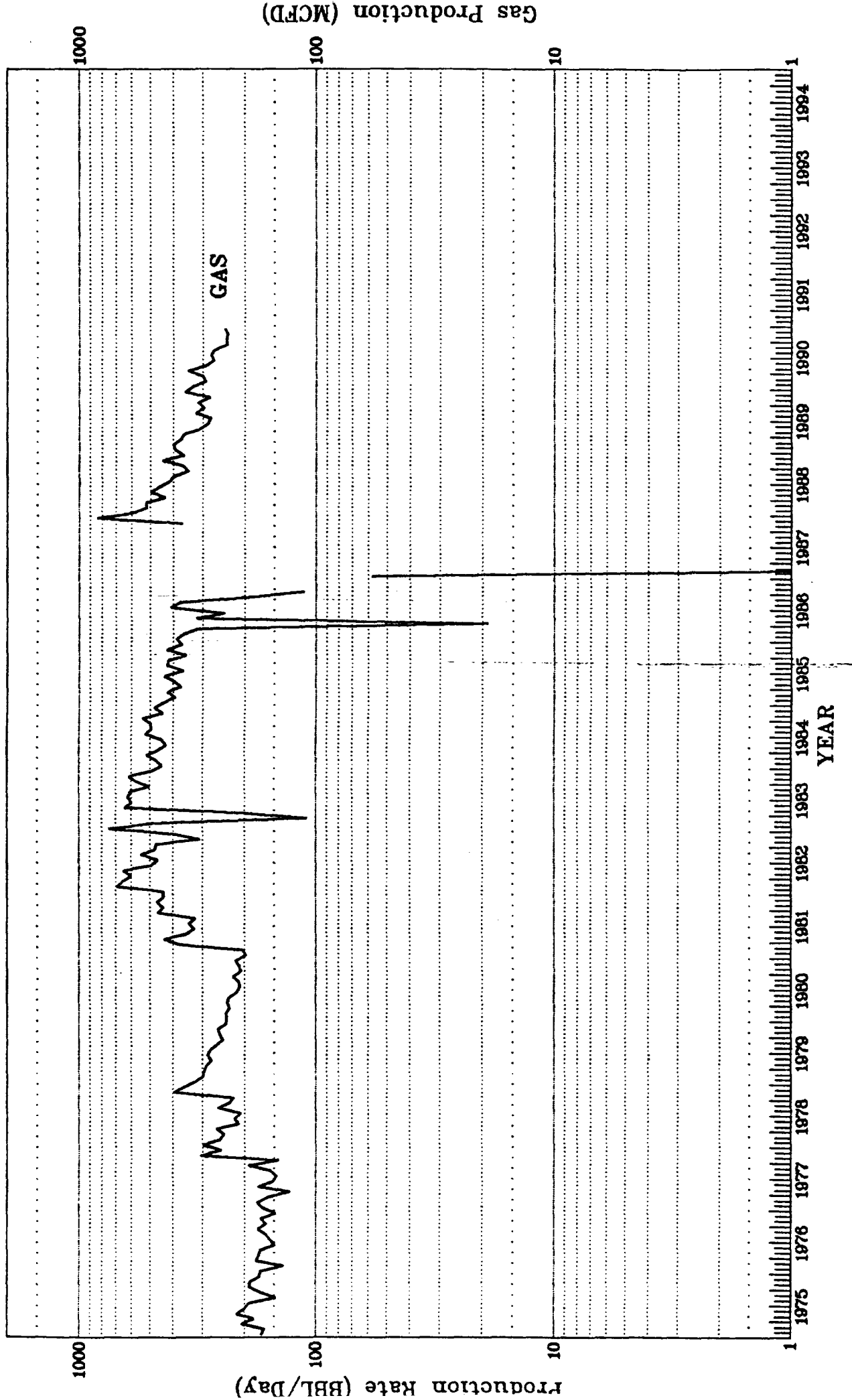
FIELD—OTERO

FORMATION—CHACRA

RIO ARriba COUNTY, NEW MEXICO

RINCON UNIT

TOTAL



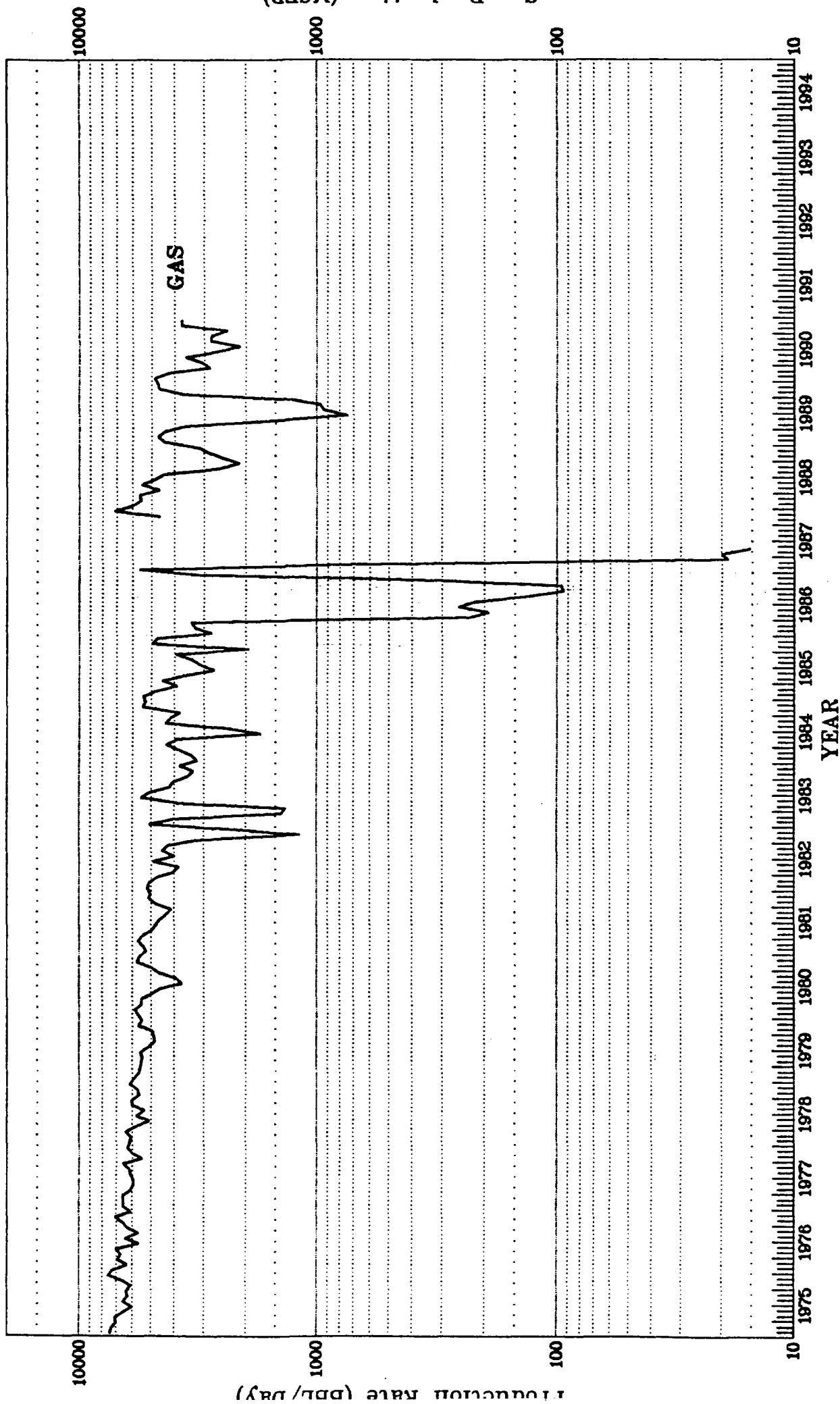
FIELD--BLANCO S

FORMATION--PICTURED CLIFFS

RIO ARriba COUNTY, NEW MEXICO

RINCON UNIT

TOTAL



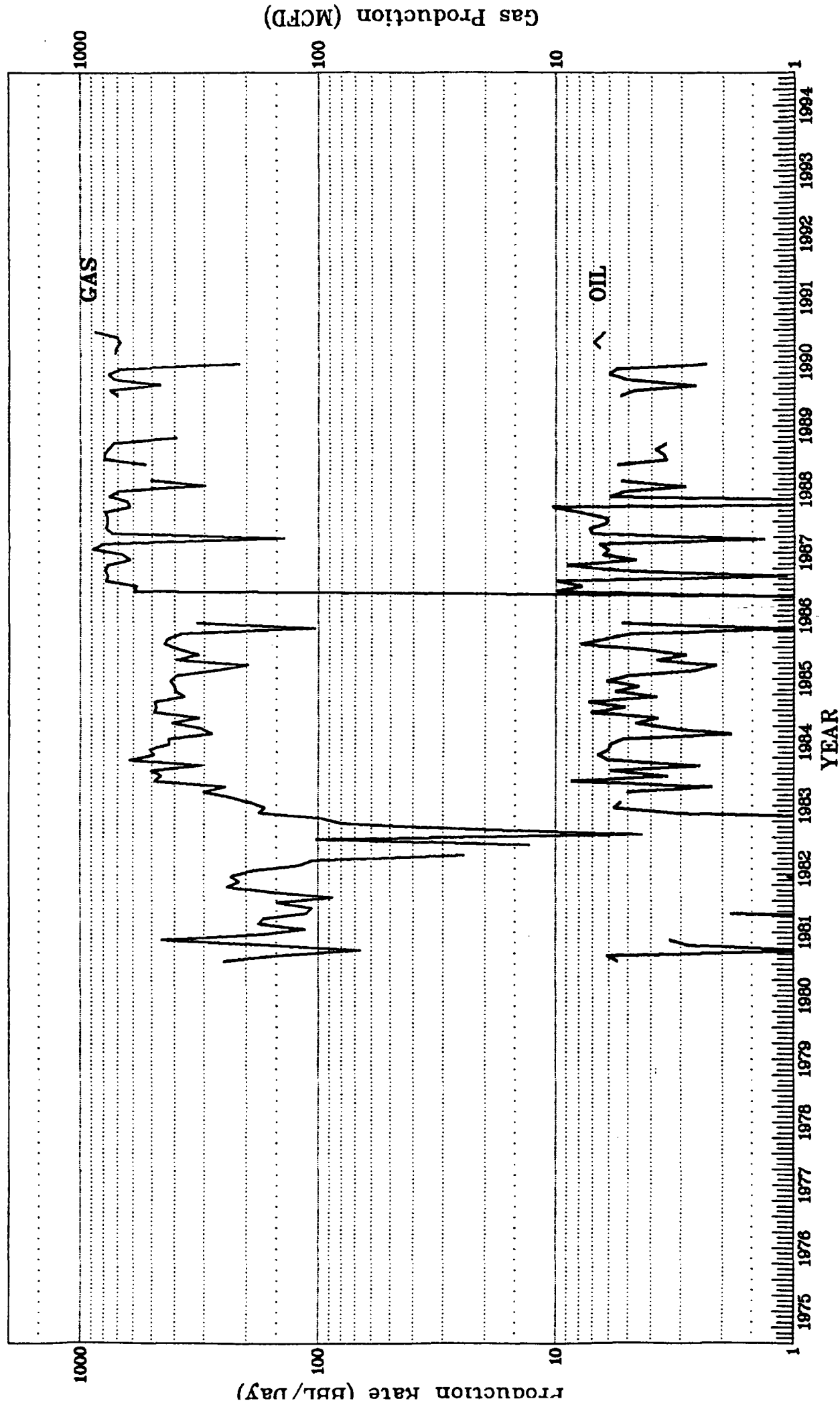
FIELD---LARGO

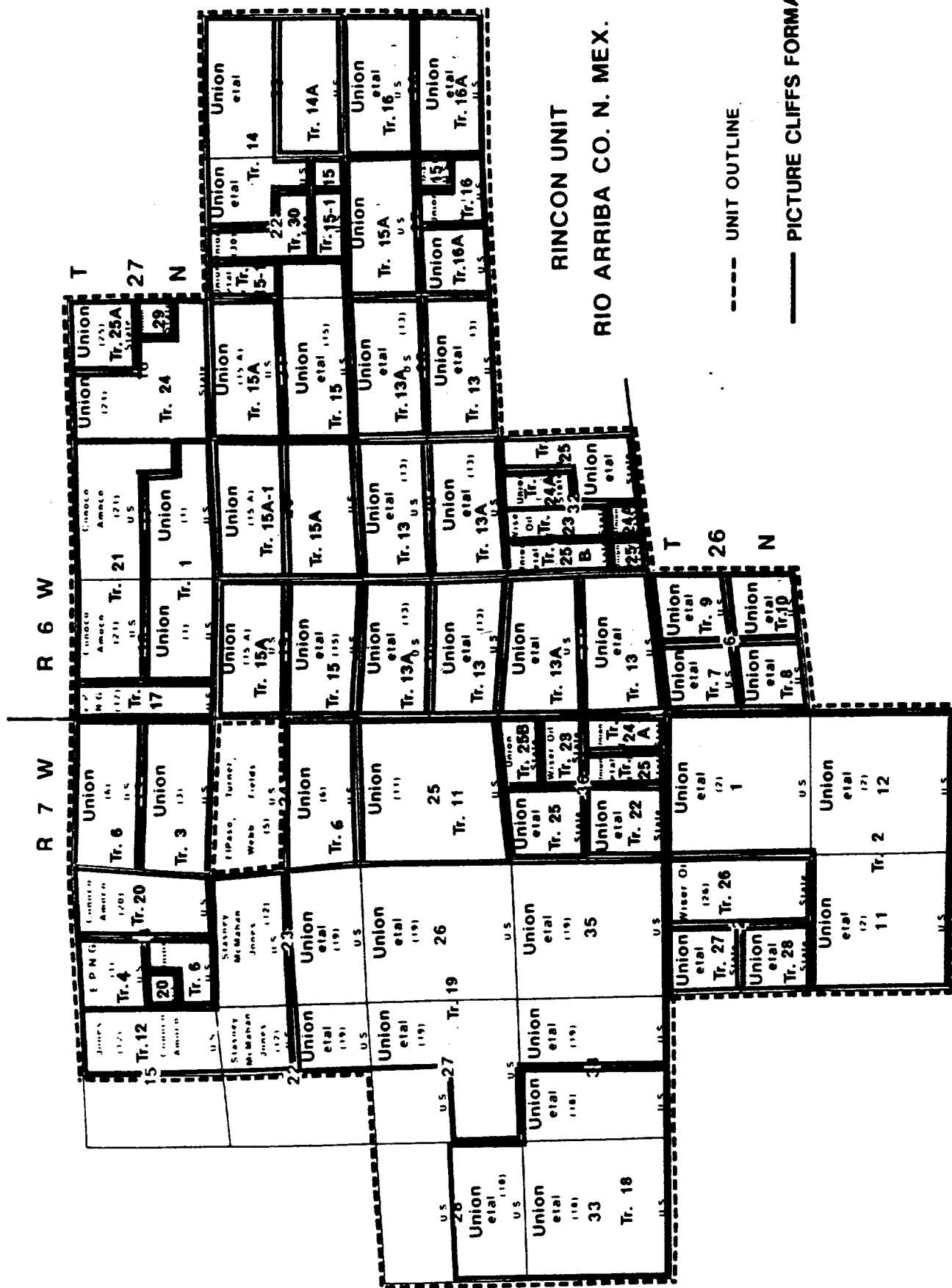
FORMATION---GALLUP GAS

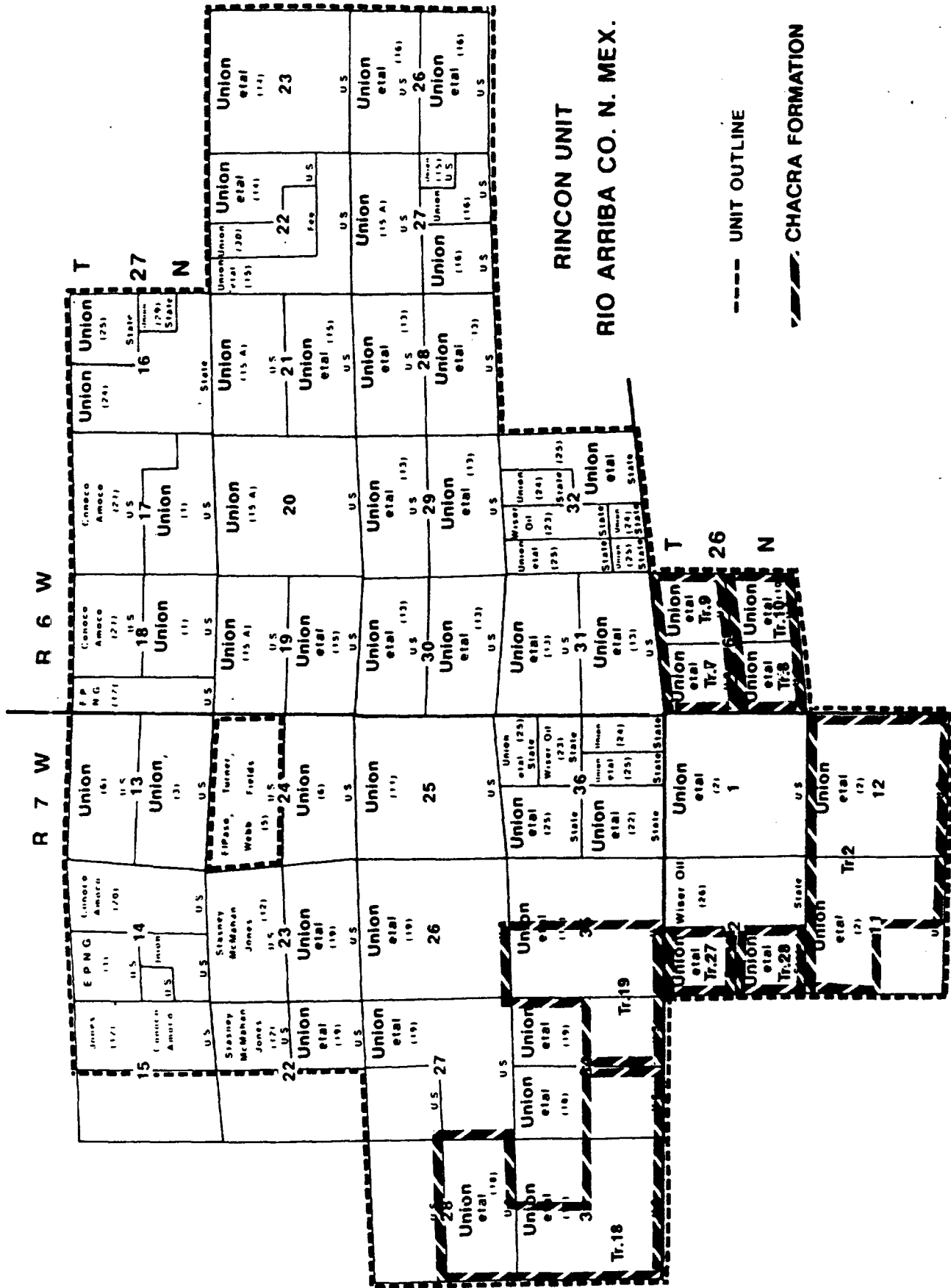
RIO ARriba COUNTY, NEW MEXICO

E-291-35

RINCON UNIT #184 GL







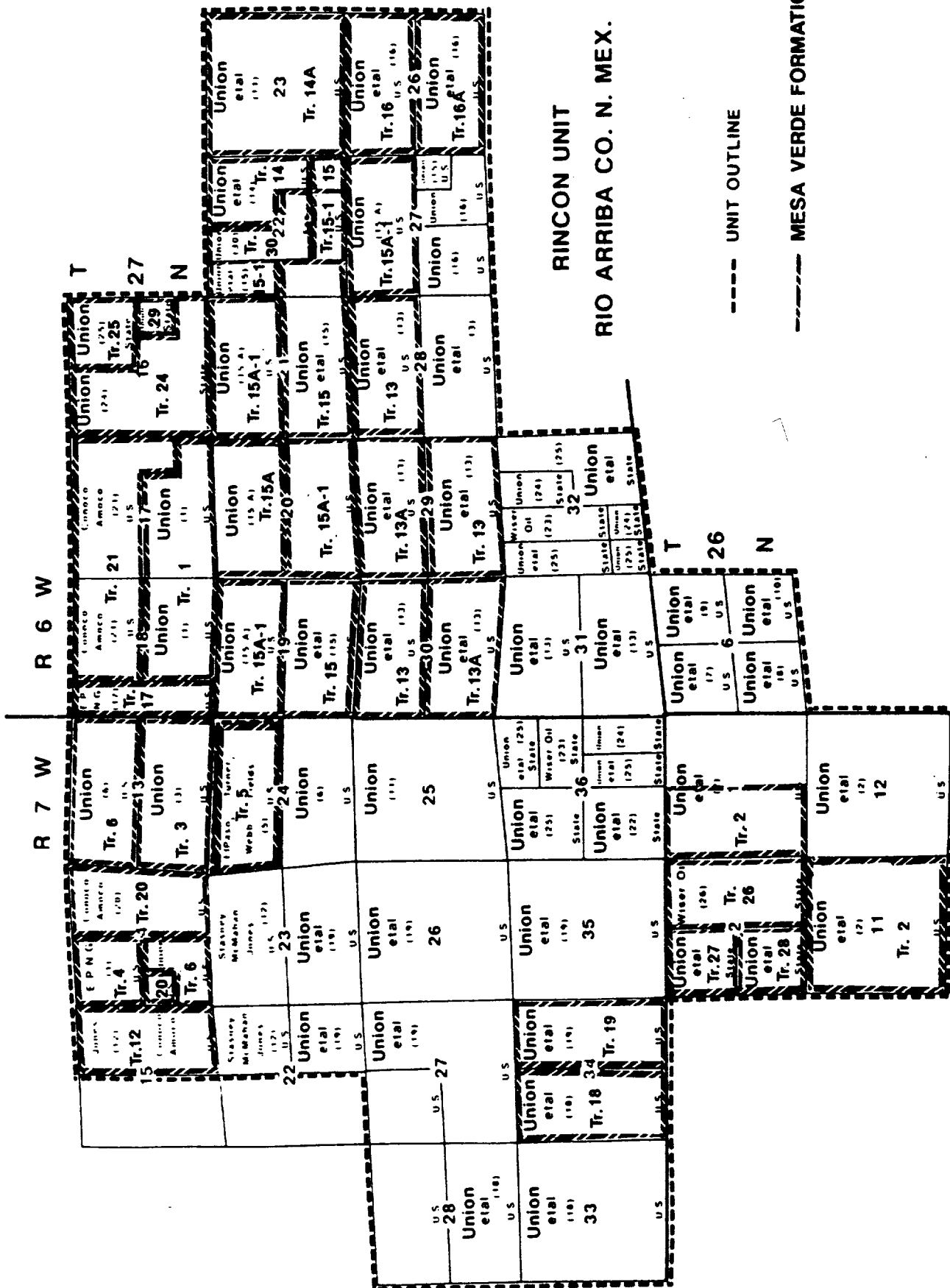


EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079052	T-27-N, R-6-W Sec. 17: SW/4, W/2SE/4, Sec. 18: SE/4, E/2SW/4	520.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 1 TOTAL	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	2.665044%
SF 079160	T-27-N, R-7-W Sec. 1: Lots 1, 2, 3, 4, S/2N/2, S/2 Sec. 11: All Sec. 12: All	1920.80	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 2 TOTAL	12.50% 68.75% 13.75% 5.00% 100.00%	12.50% 68.75% 13.75% 5.00% 100.00%	9.844264%
SF 079298	T-27-N, R-7-W Sec. 13: Lots 1, 2, 3, 4, 5, 6, 7, 8 (S/2)	336.22	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 3 TOTAL	12.50% 68.75% 13.75% 5.00% 100.00%	12.50% 68.75% 13.75% 5.00% 100.00%	1.723156%

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SP 079298-A	T-27-N, R-7-W Sec. 14: NW/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 4	12.5000%	12.5000%	.8200014%
SP 079298-C	T-27-N, R-7-W Sec. 24: Lots 1, 2, 3, 4, 5, 6, 7, 8 (N/2)	352.07	Royalty; Working Interest: El Paso Natural Gas Co., et al; ORRI;	TOTAL Tract 5	74.0625% 13.4375% 100.0000%	74.0625% 13.4375% 100.0000%	0.0000000%
SP 079298-D	T-27-N, R-7-W Sec. 13: N/2 Sec. 14: Lots 7, 9, 10 (S/2SW/4, NE/4SW/4) Sec. 24: Lots 9, 10, 11, 12, 13, 14, 15, 15 (S/2)	768.76	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 6	12.50%	12.50%	3.939961%
SP 079301	T-26-N, R-6-W Sec. 6: Lots 3, 4, 5, SE/4NW/4	161.81	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 7	12.50%	12.50%	.8292290%

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SP 079301-A	T-26-N, R-6-W Sec. 6: Lots 6, 7, E/2SW/4	161.35	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 8	12.50%	12.50%	.8269231
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
SP 079302	T-26-N, R-6-W Sec. 6: Lots 1, 2, S/2NE/4	160.48	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 2	12.50%	12.50%	.822474
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
SP 079302-B	T-26-N, R-6-W Sec. 6: SE/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 10	12.50%	12.50%	.820014
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
SP 079321	T-27-N, R-7-W Sec. 25: Lots 1, 2, 3, 4, 5, 6, 7, 8 E/2	656.48	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 11	12.50%	12.50%	3.364516
				TOTAL	82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA, FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079360	T-27-N, R-7-W Sec. 15: E/2 Sec. 22: NE/4 Sec. 23: N/2	800.00	Royalty; Working Interest; H. R. Stasney & Sons, et al; ORRI;	Tract 12	12.50%	12.50%	4.100068%
				TOTAL	82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	
SF 079364	T-27-N, R-6-W Sec. 28: N/2 Sec. 29: S/2 Sec. 30: N/2 Sec. 31: N/2	1309.42	Royalty; Working Interest; Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 13	12.500%	12.500%	6.710889%
				TOTAL	66.666% 13.334% 7.500% 100.000%	66.666% 13.334% 7.500% 100.000%	
79364	T-27-N, R-6-W Sec. 28: S/2 Sec. 29: N/2 Sec. 30: S/2 Sec. 31: S/2	1295.91	Royalty; Working Interest; Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 13	12.500%	12.500%	6.641649%
				TOTAL	64.166% 12.834% 10.500% 100.000%	64.166% 12.834% 10.500% 100.000%	
SF 079365-A	T-27-N, R-6-W Sec. 22: NE/4, NE/4SE/4 Sec. 23: N/2	520.00	Royalty; Working Interest; Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 14	12.500%	12.500%	2.665044%
				TOTAL	64.166% 12.834% 10.500% 100.000%	64.166% 12.834% 10.500% 100.000%	

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079365-A	T-27-N, R-6-W Sec. 23: S/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 14 TOTAL	12.500\$ 66.666\$ 13.334\$ 7.500\$ 100.000\$	12.500\$ 66.666\$ 13.334\$ 7.500\$ 100.000\$	1.6400271
SF 079366	T-27-N, R-6-W Sec. 19: Lots 3, 4, E/2SW/4, SE/4 Sec. 21: S/2 Sec. 22: SE/4SW/4, W/2W/2, S/2SE/4 Sec. 27: NE/4SE/4	959.40	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15 TOTAL	12.500\$ 64.166\$ 12.834\$ 10.500\$ 100.000\$	12.500\$ 64.166\$ 12.834\$ 10.500\$ 100.000\$	4.9170071
S J79366	T-27-N, R-6-W Sec. 19: Lots 1, 2, E/2NW/4, NE/4 Sec. 20: S/2 Sec. 21: N/2 Sec. 27: N/2	1279.32	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A TOTAL	12.500\$ 66.666\$ 13.334\$ 7.500\$ 100.000\$	12.500\$ 66.666\$ 13.334\$ 7.500\$ 100.000\$	6.5566241
SF 079366	T-27-N, R-6-W Sec. 20: N/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A TOTAL	12.500\$ 64.166\$ 12.834\$ 10.500\$ 100.000\$	12.500\$ 64.166\$ 12.834\$ 10.500\$ 100.000\$	1.6400271

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079367-A	T-27-N ₁ -R-6-W Sec. 26: S/2 Sec. 27: SW/4	480.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 16	12.50%	12.50%	2.460041%
			TOTAL		80.00% 7.50% 100.00%		
SF 079367-A	T-27-N ₁ -R-6-W Sec. 26: N/2 Sec. 27: SE/4SE/4, W/2SE/4	440.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 16	12.50%	12.50%	2.255038%
			TOTAL		77.00% 10.50% 100.00%		
SF 079404-A	T-27-N ₁ -R-6-W Sec. 18: Lots 1, 2, 3 and 4	157.76	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 17	12.50%	12.50%	.808534%
			TOTAL		86.50% 1.00% 100.00%		
SF 080213	T-27-N ₁ -R-7-W Sec. 28: S/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 18	12.50%	12.50%	1.640027%
			TOTAL		68.75% 13.75% 5.00% 100.00%		

EXHIBIT "B"
 SCHEDULE XVIII
 SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
P 080385	T-27-N. R-7-W Sec. 22: SE/4 Sec. 23: Lots 1, 2, 3, 4, SW/4 (S/2) Sec. 26: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (All) Sec. 27: E/2, SW/4 Sec. 34: E/2 Sec. 35: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (All)	2645.09	Royalty; Working Interest; Union Oil Company of California; Meridian Oil, Inc, as agent; ORRI;	Tract 19	12.50%	12.50%	13.556312%
			TOTAL		100.00%	100.00%	
NA 42209	T-27-N. R-7-W Sec. 14: Lots 1, 2, 3, 4, 5, 6, 8, 11, 12 (E/2, NW/4SW/4)	337.63	Royalty; Working Interest; Amoco Production Company; Conoco Inc ORRI;	Tract 20	12.50%	12.50%	1.730383%
			TOTAL		100.00%	100.00%	

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 013654	T-27-N, R-6-W Sec. 17: N/2, NE/4SE/4 Sec. 18: NE/4, E/2NW/4	600.00	Royalty; Working Interest: Amoco Production Company; Conoco Inc. ORRI;	Tract 21 TOTAL	12.50% 40.75% 40.75% 6.00% 100.00%	12.50% 40.75% 40.75% 6.00% 100.00%	2.075051%
E-289-29	T-27-N, R-7-W Sec. 36: SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 22 TOTAL	12.50% 68.75% 13.75% 5.00% 100.00%	12.50% 68.75% 13.75% 5.00% 100.00%	1.820014%
E-290-3	T-27-N, R-6-W Sec. 32: E/2NW/4, NE/4SW/4 T-27-N, R-7-W Sec. 36: S/2NE/4	200.00	Royalty; Working Interest: The Wiser Company; ORRI;	Tract 23 TOTAL	12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%	1.025017%

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-290-28	T-27-N. R-6-W Sec. 32: SE/4SW/4, W/2NE/4 T-27-N. R-7-W Sec. 36: E/2SE/4	200.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 24 TOTAL	12.50% 68.75% 13.75% 5.00% 100.000%	12.50% 68.75% 13.75% 5.00% 100.000%	1.025017%
E-290-28	T-27-N. R-6-W Sec. 16: W/2, W/2SE/4, SE/4SE/4	440.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 24 TOTAL	12.500% 64.583% 12.917% 10.000% 100.000%	12.500% 64.583% 12.917% 10.000% 100.000%	2.255038%
E-290-28	T-27-N. R-6-W Sec. 32: W/2NW/4, NW/4SW/4 T-27-N. R-7-W Sec. 36: N/2NE/4	200.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25 TOTAL	12.500% 72.916% 14.584% 0.000% 100.00%	12.500% 72.916% 14.584% 0.000% 100.00%	1.025017%
E-290-28	T-27-N. R-6-W Sec. 32: SW/4SW/4, E/2NE/4, SE/4 Sec. 16: NE/4 T-27-N. R-7-W Sec. 36: W/2SE/4, NW/4	680.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25 TOTAL	12.50% 68.75% 13.75% 5.00% 100.000%	12.50% 68.75% 13.75% 5.00% 100.000%	3.485058%

EXHIBIT "B"
SCHEDULE XVIII
SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-291-3	T-27-N, R-6-W Sec. 2: Lots 1, 2, S/2NE/4, SE/4 (E/2)	320.76	Royalty; Working Interest: The Wiser Oil Company; ORRI;	Tract 26	12.50%	12.50%	1.643922%
				TOTAL	87.50% 00% 100.00%	87.50% 00% 100.00%	
E-291-35	T-26-N, R-7-W Sec. 2: Lots 3, 4, S/2NW/4, (NW/4)	160.68	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 27	12.50%	12.50%	.823499%
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
E-291-35	T-26-N, R-7-W Sec. 2: SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 28	12.50%	12.50%	.820014%
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
E-6443-4	T-27-N, R-6-W Sec. 16: NE/4SE/4	40.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 29	12.50%	12.50%	.205003%
				TOTAL	82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	

EXHIBIT "B"
 SCHEDULE XVIII
 SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	T-27-N, R-6-W Sec. 22: E/2NW/4, NE/4SW/4 NW/4SE/4	160.00		Tract 30	12.50%	12.50%	.820014%
			Royalty; Working Interest; Union Oil Company of California; ORRI;		12.50%	75.00%	
				TOTAL	100.00%	100.00%	

EXHIBIT "B"
 SCHEDULE XVIII
 SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 RINCON UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:

Township 26 North, Range 6 West, N.M.P.M.
 Section 6: All

Township 26 North, Range 7 West, N.M.P.M.
 Section 1: All
 Section 2: All
 Section 11: All
 Section 12: All

Township 27 North, Range 6 West, N.M.P.M.
 Sections 16, 17, 18, 19, 20, 21, 22,
 23, 26, 27, 28, 29, 30, 31,
 32: All

Township 27 North, Range 7 West, N.M.P.M.
 Section 13: All
 Section 14: All
 Section 15: E/2
 Section 22: E/2
 Section 23: All
 Section 24: All
 Section 25: All
 Section 26: All
 Section 27: E/2, SW/4
 Section 28: S/2
 Section 34: E/2
 Section 35: Lots 1, 2, 3, 4, 5, 6, 7, 8,
 9, 10, 11, 12, 13, 14, 15, 16 (All)
 Section 36: All

Total Number of Acres in Participating Area:
 Total Number of Acres Committed in Participating Area:
 Page 12

19,863.94
 19,511.87

EXHIBIT "B"
 SCHEDULE XV
 FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079052	T-27-N, R-6-W	520.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 1			4.520650%
	Sec. 17: W/2SE/4, SE/4SE/4, SW/4				12.50%	12.50%	
	Sec. 18: SE/4, E/2SW/4				82.50%	82.50%	
					5.00%	5.00%	
	TOTAL				100.00%	100.00%	
SF 079160	T-26-N, R-7-W	960.60	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 2			8.351032%
	Sec. 1: Lots 3, 4, S/2NW/4, SW/4 (W/2)				12.50%	12.50%	
	Sec. 11: All				68.75%	68.75%	
					13.75%	13.75%	
	TOTAL				5.00%	5.00%	
					100.00%	100.00%	
SF 079298	T-27-N, R-7-W	336.22	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 3			2.922948%
	Sec. 13: Lots 1, 2, 3, 4, 5, 6, 7, 8 (S/2)				12.50%	12.50%	
					68.75%	68.75%	
					13.75%	13.75%	
	TOTAL				5.00%	5.00%	
					100.00%	100.00%	
SF 079298-A	T-27-N, R-7-W	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 4			1.390969%
	Sec. 14: NW/4				12.50%	12.50%	
					74.06%	74.06%	
					13.44%	13.44%	
	TOTAL				100.00%	100.00%	

EXHIBIT "B"
 SCHEDULE XV
 FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079298-C	T-27-N, R-7-W Sec. 24: Lots 1, 2, 3, 4, 5, 6, 7, 8 (N/2)	352.07	Royalty; Working Interest: El Paso Natural Gas Co.; J. Glenn Turner and Wm. G. Webb; ORRI;	Tract 5 TOTAL	12.500\$ 28.13\$ 28.12\$ 31.25\$ 100.000\$	00.00\$ 00.00\$ 00.00\$ 00.00\$ 00.00\$	0.000000\$
SF C 98-D	T-27-N, R-7-W Sec. 13: N/2 Sec. 14: Lots 7, 9, 10 (NE/4SW/4, S/2SW/4)	431.32	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 6 TOTAL	12.50\$ 82.50\$ 5.00\$ 100.00\$	12.50\$ 82.50\$ 5.00\$ 100.00\$	3.749706\$
SF 079360	T-27-N, R-7-W Sec. 15: E/2	320.00	Royalty; Working Interest: H. R. Stasney & Sons, et al; ORRI;	Tract 12 TOTAL	12.50\$ 82.50\$ 5.00\$ 100.00\$	12.50\$ 82.50\$ 5.00\$ 100.00\$	2.781938\$
SF 079364	T-27-N, R-6-W Sec. 28: N/2 Sec. 29: S/2 Sec. 30: N/2	959.49	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 13 TOTAL	12.500\$ 66.666\$ 13.334\$ 7.50\$ 100.000\$	12.500\$ 66.666\$ 13.334\$ 7.50\$ 100.000\$	8.341382\$

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EXHIBIT "B"
SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079364	T-27-N, R-6-W Sec. 29: N/2 Sec. 30: S/2	639.59	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	TOTAL	12.500%	12.500%	5.560313%
					64.166%	64.166%	
					12.834%	12.834%	
					10.500%	10.500%	
					100.000%	100.000%	
SF 079365-A	T-27-N, R-6-W Sec. 22: NE/4, NE/4SE/4	200.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 14	12.500%	12.500%	1.738712%
					64.166%	64.166%	
					12.834%	12.834%	
					10.500%	10.500%	
					100.000%	100.000%	
SF 079365-A	T-27-N, R-6-W Sec. 23: All	640.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	TOTAL	12.500%	12.500%	5.561877%
					66.666%	66.666%	
					13.334%	13.334%	
					7.500%	7.500%	
					100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 19: S/2 Sec. 21: S/2 Sec. 22: W/2SW/4, SE/4SE/4	759.40	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15	12.500%	12.500%	6.601888%
					64.166%	64.166%	
					12.834%	12.834%	
					10.500%	10.500%	
					100.000%	100.000%	

EXHIBIT "B"
 SCHEDULE XV
 FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE	PRESENT ACTUAL PARTICIPATION
SF 079366	T-27-N, R-6-W Sec. 22: W/2NW/4, SE/4SW/4, SW/4SE/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15 (continued)	12.500%	12.500%	1.390969%
				TOTAL	100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 20: N/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A	12.500%	12.500%	2.781938%
				TOTAL	100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 19: N/2 Sec. 20: S/2 Sec. 21: N/2 Sec. 27: N/2	1279.32	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A (continued)	12.500%	12.500%	11.121841%
				TOTAL	100.000%	100.000%	
SF 079367-A	T-27-N, R-6-W Sec. 26: N/2	320.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 16	12.50%	12.50%	2.781939%
				TOTAL	100.00%	100.00%	

EXHIBIT "B"

SCHEDULE XV

FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION

RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079367-A	T-27-N, R-6-W Sec. 26: S/2	320.00	Royalty; Working Interest: Union Oil Company of California; ORRI;		12.50%	12.50%	2.781939%
				TOTAL	80.00% 7.50% 100.00%	80.00% 7.50% 100.00%	
SF 079404-A	T-27-N, R-6-W Sec. 18: Lots 1, 2, 3 and 4	157.76	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 17	12.50%	12.50%	1.371496%
				TOTAL	86.50% 1.00% 100.00%	86.50% 1.00% 100.00%	
SF 080213	T-27-N, R-7-W Sec. 34: W/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 18	12.50%	12.50%	2.781939%
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	
SF 080385	T-27-N, R-7-W Sec. 34: E/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 19	12.50%	12.50%	2.781939%
				TOTAL	68.75% 13.75% 5.00% 100.00%	68.75% 13.75% 5.00% 100.00%	

EXHIBIT "B"
SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 012209	T-27-N, R-7-W Sec. 14: Lots 1, 2, 3, 4, 5, 6, 8, 11, 12 (E/2, NW/4SW/4)	337.63	Royalty; Working Interest: Amoco Production Company; Conoco Inc. ORRI;	Tract 20	12.50%	12.50%	2.935206%
				TOTAL	100.00%	100.00%	
NM 1654	T-27-N, R-6-W Sec. 17: N/2, NE/4SE/4 Sec. 18: NE/4, E/2NW/4	600.00	Royalty; Working Interest: Amoco Production Company; Conoco Inc. ORRI;	Tract 21	12.50%	12.50%	5.216135%
				TOTAL	100.00%	100.00%	
E-290-28	T-27-N, R-6-W Sec. 16: W/2, W/2SE/4, SE/4SE/4	440.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 24	12.500%	12.500%	3.825166%
				TOTAL	100.000%	90.000%	

EXHIBIT "B"
SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-290-28	T-27-N, R-6-W Sec. 16: NE/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25	12.50%	12.50%	1.390969%
					68.75%	68.75%	
					13.75%	13.75%	
					5.00%	5.00%	
				TOTAL	100.00%	100.00%	
E-291-3	T-26-N, R-7-W Sec. 2: Lots 1, 2, S/2NE/4, SE/4 (E/2)	320.76	Royalty; Working Interest: The Wiser Oil Company; ORRI;	Tract 26	12.50%	12.50%	2.788546%
					87.50%	87.50%	
					00%	00%	
				TOTAL	100.00%	100.00%	
E-291-35	T-26-N, R-7-W Sec. 2: Lot 3, 4, S/2NW/4 (NW/4)	160.68	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 27	12.50%	12.50%	1.396881%
					68.75%	68.75%	
					13.75%	13.75%	
					5.00%	5.00%	
				TOTAL	100.00%	100.00%	
E-291-35	T-26-N, R-7-W Sec. 2: SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 28	12.50%	12.50%	1.390969%
					68.75%	68.75%	
					13.75%	13.75%	
					5.00%	5.00%	
				TOTAL	100.00%	100.00%	

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EXHIBIT "B"
SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-6443-4	T-27-N, R-6-W Sec. 16: NE/4SE/4	40.00		Tract 22			0.3477423
			Royalty; Working Interest; Union Oil Company of California; ORRI;		12.50%	12.50%	
					82.50%	82.50%	
					5.00%	5.00%	
			TOTAL		100.00%	100.00%	
Patented	T-27-N, R-6-W Sec. 22: E/2NW/4, NE/4SW/4 NW/4SE/4	160.00		Tract 30			1.3909693
			Royalty; Working Interest; Union Oil Company of California; ORRI;		12.50%	12.50%	
					75.00%	75.00%	
					12.50%	12.50%	
			TOTAL		100.00%	100.00%	

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EXHIBIT "B"
SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
RINCON UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:

Township 27 North, Range 6 West, N.M.P.M.
Sec. 27, 28: N/2
Sec. 16, 17, 18, 19, 20, 21, 22, 23
26, 29, 30: All
Township 27 North, Range 7 West, N.M.P.M.
Sec. 15: E/2
*Sec. 24: N/2
Sec. 13, 14, 34: All
Township 26 North, Range 7 West, N.M.P.M.
Sec. 1: W/2
Sec. 2, 11: All

Total Number of Acres in Participating Area:
Total Number of Acres Committed in Participating Area:

11,854.84
11,502.77

*Not Committed to Unit

EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079052	T-27-N, R-6-W Sec. 17: SW/4, W/2SE/4, SE/4SE/4 Sec. 18: SE/4, E/2SW/4	520.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 1 TOTAL	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	2.54007%
SF 079160	T-26-N, R-7-W Sec. 1: All Sec. 11: All Sec. 12: All	1920.80	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 2 TOTAL	12.50% 68.75% 13.75% 5.00% 100.00%	12.50% 68.75% 13.75% 5.00% 100.00%	2.18261%
SF 079298	T-27-N, R-7-W Sec. 13: Lots 1, 2, 3, 4, 5, 6, 7, 8 (S/2)	336.22	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 3 TOTAL	12.50% 68.75% 13.75% 5.00% 100.00%	12.50% 68.75% 13.75% 5.00% 100.00%	1.64235%
SF 079298-A	T-27-N, R-7-W Sec. 14: NW/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 4 TOTAL	12.5000% 74.0625% 13.4375% 100.0000%	12.5000% 74.0625% 2.5000% 89.0625%	.78156%

EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079298-D	T-27-N, R-7-W	768.76	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 6	12.50%	12.50%	3.75520%
	Sec. 13: N/2						
	Sec. 14: Lots 7, 9, 10 (NE/4SW/4, S/2SW/4)						
	Sec. 24: Lots 9, 10, 11, 12, 13, 14, 15, 15 (S/2)						
SF 101	T-26-N, R-6-W	161.81	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 7	12.50%	12.50%	.79041%
	Sec. 6: NW/4						
	TOTAL						
SF 079301-A	T-26-N, R-6-W	161.35	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 8	12.50%	12.50%	.78816%
	Sec. 6: SW/4						
	TOTAL						

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SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079302	T-26-N. R-6-W Sec. 6: NE/4	160.48	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 9	12.50%	12.50%	.78391%
				TOTAL	68.75% 13.75% 5.00% 100.00%		
SF 079302-B	T-26-N. R-6-W Sec. 6: SE/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 10	12.50%	12.50%	.78156%
				TOTAL	68.75% 13.75% 5.00% 100.00%		
SF 079321	T-27-N. R-7-W Sec. 25: Lots 1, 2, 3, 4, 5, 6, 7, 8 E/2 (All)	656.48	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 11	12.50%	12.50%	3.20674%
				TOTAL	82.50% 5.00% 100.00%		
SF 079360	T-27-N. R-7-W Sec. 15: E/2 Sec. 22: NE/4 Sec. 23: N/2	800.00	Royalty; Working Interest: H. R. Stasney & Sons, et al; ORRI;	Tract 12	12.50%	12.50%	3.90780%
				TOTAL	82.50% 5.00% 100.00%		

EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE	PRESENT ACTUAL PARTICIPATION
SF 079364	T-27-N, R-6-W Sec. 28: S/2 Sec. 29: N/2 Sec. 30: Lots 3, 4, E/2SW/4, SE/4 Sec. 31: Lots 4, 13, 14, 15, 16, SE/4SW/4, S/2SE/4 (S/2)	1295.91	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 13	12.500%	12.500%	5.33020%
SF 164	T-27-N, R-6-W Sec. 28: N/2 Sec. 29: S/2 Sec. 30: Lots 1, 2, E/2NW/4, NE/4 Sec. 31: Lots 5, 6, 7, 8, 9, 10, 11, 12 (N/2)	1309.42	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 13	12.500%	12.500%	5.39619%
SF 079365-A	T-27-N, R-6-W Sec. 22: NE/4, NE/4SE/4 Sec. 23: N/2	520.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 14	12.500%	12.500%	2.54007%

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EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079365-A	T-27-N, R-6-W Sec. 23: S/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 14	12.500%	12.500%	1.56312%
				TOTAL	100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 19: Lots 3, 4, E/2SW/4, SE/4 Sec. 21: S/2 Sec. 22: W/2SW/4, SE/4SE/4 Sec. 27: NE/4SE/4	799.40	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15	12.500%	12.500%	3.90487%
				TOTAL	100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 22: W/2NW/4, SW/4SE/4, SE/4SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15	12.500%	12.500%	1.78156%
				TOTAL	100.000%	100.000%	
SF 079366	T-27-N, R-6-W Sec. 19: Lots 1, 2, E/2NW/4, NE/4 Sec. 20: S/2 Sec. 21: N/2 Sec. 27: N/2	1279.32	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A	12.500%	12.500%	6.24916%
				TOTAL	100.000%	100.000%	

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EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079366	T-27-N, R-6-W Sec. 20: N/2	320.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 15-A	12.50%	12.50%	1.56312%
				TOTAL	100.00%	100.00%	
SF 079367-A	T-27-N, R-6-W Sec. 26: N/2 Sec. 27: SE/4SE/4, W/2SE/4	440.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 16	12.50%	12.50%	2.14929%
				TOTAL	100.00%	100.00%	
SF 079367-A	T-27-N, R-6-W Sec. 26: S/2 Sec. 27: SW/4	480.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 16	12.50%	12.50%	2.34468%
				TOTAL	100.00%	100.00%	
SF 079404-A	T-27-N, R-6-W Sec. 18: Lots 1, 2, 3 and 4	157.76	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	Tract 17	12.50%	12.50%	.77062%
				TOTAL	100.00%	100.00%	

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EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 080213	T-27-N, R-7-W	1280.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 18	12.50%	12.50%	6.25248%
	Sec. 28: S/2						
	Sec. 33: All						
	Sec. 34: W/2						
				TOTAL	100.00%	100.00%	
SF 0185	T-27-N, R-7-W	2645.09	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 12	12.50%	12.50%	12.92061%
	Sec. 22: SE/4						
	Sec. 23: Lots 1, 2, 3, 4, SW/4 (S/2)						
	Sec. 26: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (All)						
				TOTAL	100.00%	100.00%	
	Sec. 27: E/2, SW/4						
	Sec. 34: E/2						
	Sec. 35: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (All)						

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EXHIBIT "B"
SCHEDULE IX-A
REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 012209	T-27-N, R-7-W Sec. 14: Lots 1, 2, 3, 4, 5, 6, 8, 11, 12 (E/2, NW/4SW/4)	337.63	Royalty; Working Interest; Amoco Production Company; Conoco Inc ORRI;	Tract 20	12.50%	12.50%	1.64924%
				TOTAL	40.75%	40.75%	
					40.75%	40.75%	
					6.00%	6.00%	
					100.00%	100.00%	
NM 654	T-27-N, R-6-W Sec. 17: N/2, NE/4SE/4 Sec. 18: NE/4, E/2NW/4	600.00	Royalty; Working Interest; Amoco Production Company; Conoco Inc. ORRI;	Tract 21	12.50%	12.50%	2.23085%
				TOTAL	40.75%	40.75%	
					40.75%	40.75%	
					6.00%	6.00%	
					100.00%	100.00%	
E-289-29	T-27-N, R-7-W Sec. 36: SW/4	160.00	Royalty; Working Interest; Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 22	12.50%	12.50%	.78156%
				TOTAL	68.75%	68.75%	
					13.75%	13.75%	
					5.00%	5.00%	
					100.00%	100.00%	

Effective October 1, 1957
Revised February 5, 1990

EXHIBIT "B"
 SCHEDULE IX-A
 REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-290-3	T-27-N, R-6-W Sec. 32: E/2NW/4, NE/4SW/4 T-27-N, R-7-W Sec. 36: S/2NE/4	200.00	Royalty; Working Interest: The Wiser Oil Company; ORRI;	Tract 23	12.50%	12.50%	.97695%
			TOTAL		100.00%	100.00%	
E-290-28	T-27-N, R-6-W Sec. 16: W/2, W/2SE/4, SE/4SE/4	440.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 24	12.50%	12.50%	2.14929%
			TOTAL		100.00%	90.000%	
E-290-28	T-27-N, R-6-W Sec. 32: SE/4SW/4, W/2NE/4 T-27-N, R-7-W Sec. 36: E/2SE/4	200.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 24	12.50%	12.50%	.97695%
			TOTAL		100.000%	100.000%	
E-290-28	T-27-N, R-6-W Sec. 32: SE/4, E/2NE/4, SW/4SW/4 T-27-N, R-7-W Sec. 36: NW/4, W/2SE/4	520.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25	12.50%	12.50%	2.54007%
			TOTAL		100.00%	99.00%	

Effective October 1, 1957
 Revised February 5, 1990

EXHIBIT "B"
 SCHEDULE IX-A
 REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-290-28	T-27-N. R-6-W Sec. 16: NE/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25	12.50%	12.50%	.78156%
				TOTAL	100.000%	100.000%	
E-290-28	T-27-N. R-6-W Sec. 32: NW/4SW/4, W/2NW/4 T-27-N. R-7-W Sec. 36: N/2NE/4	200.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 25	12.500%	12.500%	.97695%
				TOTAL	100.000%	100.000%	
E-291-3	T-26-N. R-7-W Sec. 2: Lots 1, 2, S/2NE/4, SE/4	320.76	Royalty; Working Interest: The Wiser Oil Company; ORRI;	Tract 26	12.50%	12.50%	1.56681%
				TOTAL	100.00%	100.00%	
E-291-35	T-26-N. R-7-W Sec. 2: NW/4	160.68	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 27	12.50%	12.50%	.78488%
				TOTAL	100.00%	100.00%	

EXHIBIT "B"
 SCHEDULE IX-A
 REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE	PRESENT ACTUAL PARTICIPATION
E-291-35	T-26-N, R-7-W Sec. 2: SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 28	12.50%	12.50%	<u>.78156%</u>
				TOTAL	100.00%	99.00%	
E-6443-4	T-27-N, R-6-W Sec. 16: NE/4SE/4	40.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 29	12.50%	12.50%	<u>.19539%</u>
				TOTAL	82.50%	82.50%	
					5.00%	5.00%	
					100.00%	100.00%	
Fee	T-27-N, R-6-W Sec. 22: E/2NW/4, NE/4SW/4 NW/4SE/4	160.00	Royalty; Working Interest: Union Oil Company of California; ORRI;	Tract 30	12.50%	00%	<u>.78156%</u>
				TOTAL	75.00%	75.00%	
					12.50%	12.50%	
					100.00%	87.50%	

Effective October 1, 1957
 Revised February 5, 1990

EXHIBIT "B"
 SCHEDULE IX-A
 REVISED EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 RINCON UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:

Township 26 North, Range 6 West, N.M.P.M. Section 6: All	Township 27 North, Range 7 West, N.M.P.M. Sections 15, 22: E/2		
Township 26 North, Range 7 West, N.M.P.M. Sections 1, 2, 11, 12: All	Sections 13, 14, 23, 24, 25, 26, 33 34, 35, 36: All		
Township 27 North, Range 6 West, N.M.P.M. Sections 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32: All	Section 27: E/2, SW/4 Section 28: S/2	Total Number of Acres in Participating Area: Total Number of Acres Committed in Participating Area:	20,823.94 20,471.87
		Percent of Basic Royalty Committed: Percent of Working Interest Committed: Percent of O.R.R.I. Committed:	99.90159% 100.00000% 99.83976%

Effective October 1, 1957
 Revised February 5, 1990

EXHIBIT "B"
SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079160	T-26-N. R-7-W	1120.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 2	12.50%	12.50%	38.637744%
	Sec. 11: NW/4, E/2				68.75%	68.75%	
	Sec. 12: NW/4, S/2, NE/4				13.75%	13.75%	
					5.00%	5.00%	
					100.00%	100.00%	
SF 080213	T-27-N. R-7-W	960.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 18	12.50%	12.50%	33.118066%
	Sec. 28: S/2				68.75%	68.75%	
	Sec. 33: W/2, SE/4				13.75%	13.75%	
	Sec. 34: SW/4				5.00%	5.00%	
					100.00%	100.00%	
SF 080385	T-27-N. R-7-W	498.04	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 19	12.50%	12.50%	17.181377%
	Sec. 34: SE/4				68.75%	68.75%	
	Sec. 35: Lots 3, 4, 5, 6, 11, 12, 13, 14 (W/2)				13.75%	13.75%	
					5.00%	5.00%	
					100.00%	100.00%	

EXHIBIT "B"
SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
RINCON UNIT AREA

SERIAL NO.	DESCRIPTION	NO. OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-291-35	T-26-N, R-7-W Sec. 2: Lots 3, 4, S/2NW/4, (NW/4)	160.68	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 27	12.50%	12.50%	5.5431363
				TOTAL	100.00%	100.00%	
E-291-35	T-26-N, R-7-W Sec. 2: SW/4	160.00	Royalty; Working Interest: Union Oil Company of California; Meridian Oil, Inc. as agent; ORRI;	Tract 28	12.50%	12.50%	5.5196773
				TOTAL	100.00%	100.00%	

EXHIBIT "B"
SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
RINCON UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:

Township 26 North, Range 7 West, N.M.P.M.

Section 2: W/2

Section 11: NW/4, E/2

Section 12: All

Township 27 North, Range 7 West, N.M.P.M.

Section 28: S/2

Section 33: W/2, SE/4

Section 34: S/2

Section 35: W/2

Total Number of Acres in Participating Area:
Total Number of Acres Committed in Participating Area:

2,898.72
2,898.72

Percent of Basic Royalty Committed:
Percent of Working Interest Committed:
Percent of ORRI Committed:

100.00%
100.00%
100.00%

#299

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



December 14, 1990

Paul T. West
District Production Manager
Farmington District

Bureau of Land Management - Minerals Division
Attn: Gail Keller
1235 La Plata Hwy
Farmington, New Mexico 87401

1-2-91
D -
UNIT Letter
THX 124

Re: Application for the 3rd
Expansion to the Blanco South
Tocito Participating Area -
Gallup Formation - Rincon Unit,
Rio Arriba County, New Mexico

Gentlemen:

Enclosed please find two copies of the Application for Approval for the 3rd expansion to the Blanco South Tocito Participating Area in the Rincon Unit, Rio Arriba County, New Mexico. This application was originally submitted as a request for a new Largo Gallup participating area, but discussion with your agency revealed the Gallup formation was already covered in the Blanco South Tocito participating area located in all of Section 6, T26N, R6W. Enclosed also are geologic and engineering data in support of this application.

Union Oil Company of California, as operator of the Rincon Unit, respectfully requests your approval of this application.

Very Truly Yours,

Union Oil Company of California
dba UNOCAL

xc: Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
New Mexico Department of Energy & Minerals
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

APPLICATION FOR APPROVAL FOR THE 3RD EXPANSION TO THE BLANCO SOUTH
TOCITO PARTICIPATING AREA - RINCON UNIT - RIO ARriba COUNTY, NEW
MEXICO

Gail Keller
Bureau of Land Management - Minerals Division
1235 La Plata Highway
Farmington, New Mexico 87401

Union Oil Company of California, as unit operator of the Rincon Unit,
respectfully submits for your approval the following described lands
to constitute the 3rd expansion to the Blanco South Tocito
participating area for the Gallup producing formation, to wit:

TOWNSHIP 26 NORTH, RANGE 7 WEST, N.M.P.M.

Section 1: All
Section 2: All

TOWNSHIP 26 NORTH, RANGE 6 WEST, N.M.P.M.

Section 6: All

Containing 1925.08 acres, more or less

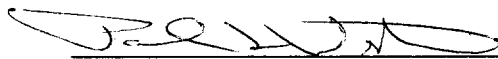
In support of this application, and in addition to the geologic and
engineering reports, the following are attached:

- 1) Structure Top - Gallup SS
- 2) Gallup SS Gross Isopach
- 3) Stratigraphic Cross-Section
- 4) Land Map - Rincon Unit
- 5) Rincon Unit #164 Gallup Production Decline Curve
- 6) Rincon Unit #164 Gallup Economics
- 7) Schedule of Lands and Working Interest Ownership in the Initial
Gallup Participating Area (Participation Allocation Formula)
- 8) Applicant's Statement and Affidavit

This proposed application is predicated on the past production history
from the Rincon Unit #164 well completed in the Gallup Formation
September 22, 1980 in the NW/4 of the SW/4, T26N-R7W.

Applicant respectfully requests your approval of the hereinabove
selection of lands to constitute the 3rd expansion to the Blanco South
Tocito participating area, to be effective September 22, 1980.

Dated this 14th day of December, 1990.


Paul West
District Production Manager
Union Oil Company of California
dba UNOCAL

Well Summary

Well Name: Rincon Unit #164 Location: 1840'FSL, 1090'FWL,
Sec 2, T26N, R7W

Elevation: 6521' GL Total Depth: 7406'

Lease Number: NM-E-291-35

Pool/Formation: Basin Dakota Spud Date: 8-9-69

Completion Date: 9-25-69 1st Delivery: 10-30-69

Perf'd Interval: 7050 - 7254

Pool/Formation: Largo Gallup Spud Date: 8-31-80

Completion Date: 9-22-80 1st Delivery: 12-09-80

Perf'd Interval: 6211 - 6562

Commingling Order: NMOCD #R-6375

Dakota: 31% Gas 13% Condensate

Gallup: 69% Gas 87% Condensate

Geologic Summary

The Gallup was deposited as a series of sand bars on a continental shelf environment. The South Blanco Tocito (oil) and Largo Gallup (gas) fields produce from a single, continuous sand bar running east to west across the area. The bar is composed of two sandstone sequences and an intervening shaley section. Total gross sand thickness reaches a maximum of 46'. This sand bar acts as a single reservoir with the Largo Gallup Field being the gas cap. The original gas/oil contact ran roughly NW to SE through Section 6, T26N-R6W, and the extreme southern portion of Section 36, T27N-R7W.

Stratigraphic Cross Section A-A' shows the two-lobed nature of the sand bar, as well as the abrupt pinchout of the sand in a north-south direction. However, continuity of the sand is quite good in an east-west direction.

Formation Tops:

Pictured Cliffs	2745'	(+3787')
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Mesaverde:

Cliff House 4413' (+2119')

Point Lookout	5048'	(+1484')
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Gallup 6542' (- 10')

Greenhorn 6935' (- 403')

Graneros	6996'	(- 464')
----------	-------	----------

Dakota	7100'	(- 568')
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Engineering Summary

The Rincon Unit #164 was drilled and completed originally as a Basin Dakota gas producer by El Paso Natural Gas Company in 1969. The decline in Dakota production and the recognition of prolific Gallup formation, Tocito member gas production from offset non-unit wells led to the testing and completion of the Tocito in this well by EPNG in 1980. After setting a bridge plug above the Dakota, the Tocito was perforated from 6211 to 6562 with 16 shots and fracture stimulated with 164,600# 20/40 sand, 39,050# 10/20 sand, and 121,000 gallons water. No after-frac gas gauge was obtained since the well initially produced large amounts of condensate. Down-hole commingling of the Dakota and Tocito (Gallup) was approved by the NMOCD in 1980 and production was split using the state-set allocation formula given in the well summary section. As shown on the attached decline curve, production gradually increased. This may have been due to line pressure decrease and also to formation clean-up. The current

deliverability for both the Dakota and Tocito (Gallup) is 343 and 763 MCFD, respectively. Volumetrics calculated on the below-listed parameters yields a recoverable gas volume of 2.3 Bcf. This volume compares favorably with decline curve reserves of 2.2 Bcf.

Net Pay: 28 ft

Drainage area: 260 acres

Average porosity: 14%

Average water saturation: 45%

Initial gas formation volume factor: 0.010 cu ft/SCF

Abandonment gas formation volume factor: 0.190 cu ft/SCF

Economics

Gallup Completion Cost: \$75,040

Royalty Burden: 12.50%

Gas Price: \$0.85/mcf escalated to current of \$1.30/mcf

Condensate Price: Maximum - \$36/bbl, Minimum - \$13/bbl,
Current - \$15/bbl

Operating Cost: \$150/month

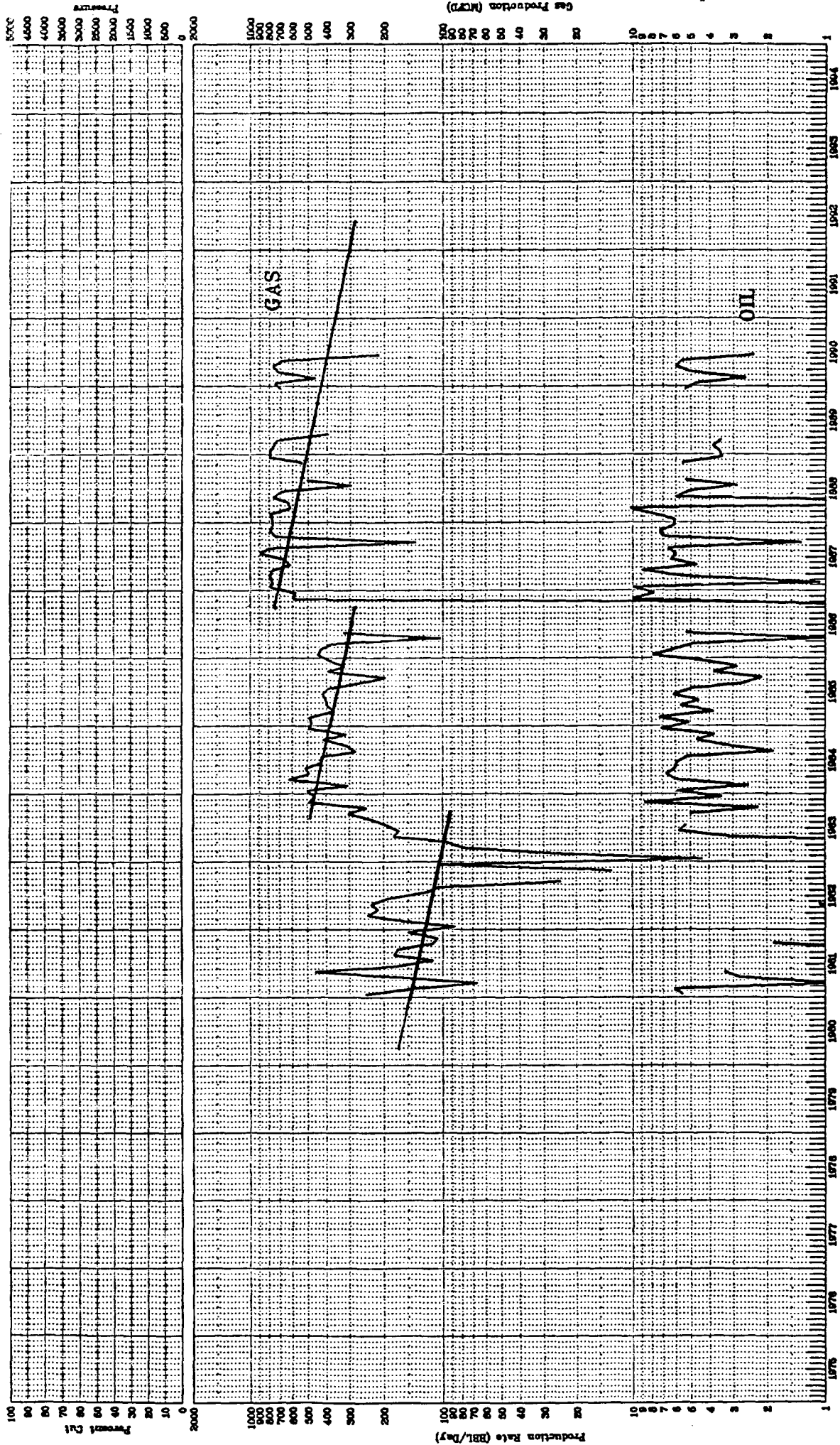
Production Rate: Maximum - 750 mcfd, Minimum - 90 mcfd,
Current - 480 mcfd

Economics based on the above are attached. Given the \$75,040 cost to complete the Gallup zone the workover paid out in 2.0 years. The total expenses shown on the attachment include overhead as well as direct and indirect charges. Compared with gross annual revenue (GAR) the Gallup has and continues to produce in economic quantities above operating costs.

FIELD--LARGO
FORMATION--GALLUP GAS
RIO ARriba COUNTY, NEW MEXICO

LEASE--E-291-35
WELL--RINCON UNIT #184 GL

OPERATOR--UNOCAL
INTEREST--WI 83.3333% NI 72.01667%



File Name--EPCOBLN184GL
Data Source--
API No. -- 3005020230000