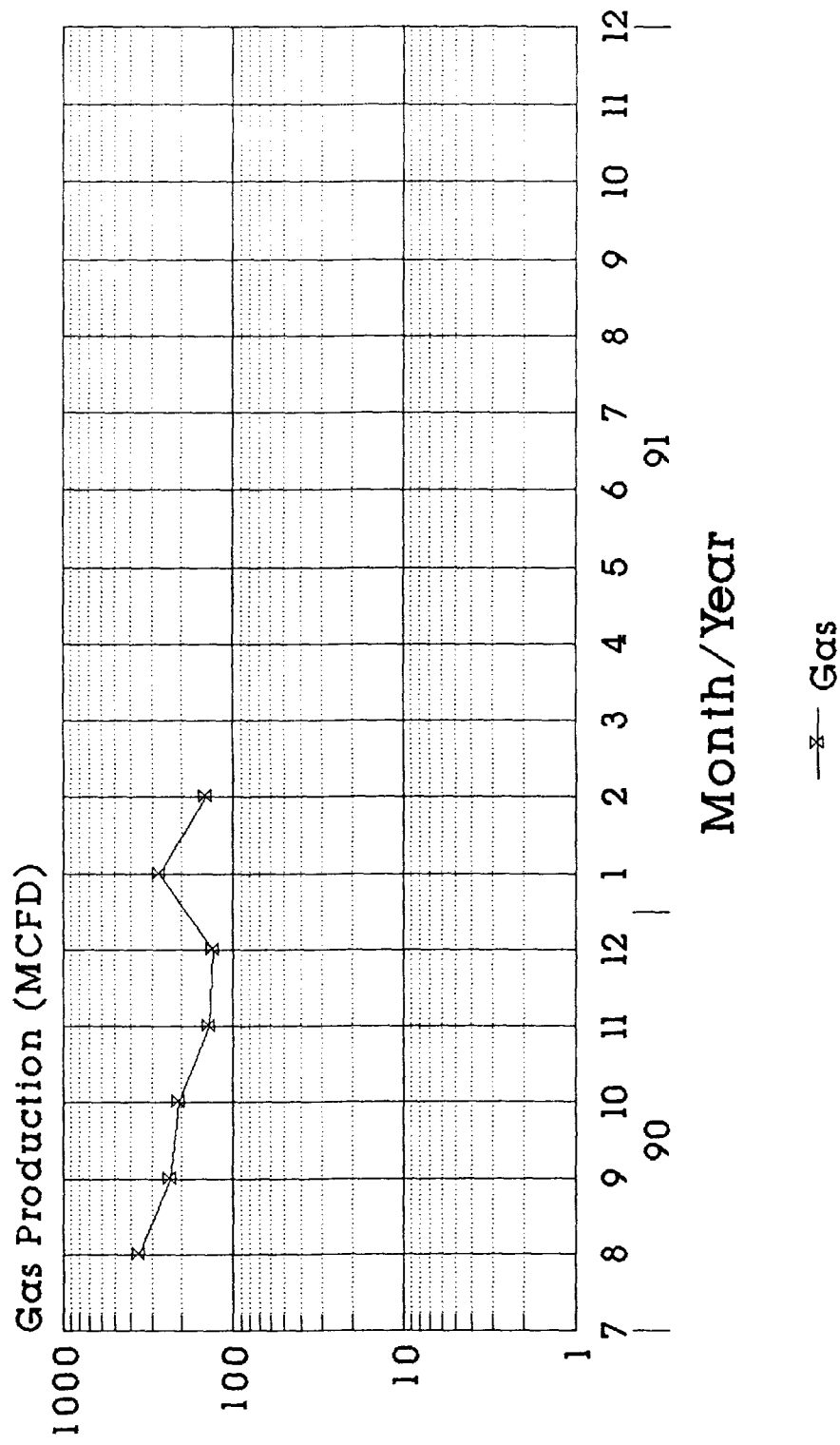


# RINCON UNIT #273

## 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. #273 - 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	0.26	1.18	RATE (%)	(M\$)	(M\$)
FORMATION	:	FRUITLAND COAL		DISC @ 10.0%	-0.27	0.46			
TOTAL DEPTH:				DISC @ 15.0%	-0.39	0.27	0.0	63.	282.
OPERATOR	:	Unocal		INV EFF RATIO (IER):			5.0	-18.	175.
AFE #	:			UNDISCOUNTED	0.26	1.45	10.0	-63.	108.
LIFE (YRS)	:	22.8		DISC @ 10.0%	-0.27	0.56	15.0	-92.	63.
				DISC @ 15.0%	-0.39	0.33	20.0	-111.	31.
							25.0	-124.	7.
WI		ORI	GRI	DATE					
100.00000		80.99870	80.99870	JUN 1990	PAYOUT (YEARS)	12.7	3.3		
					RATE OF RETURN (%)	3.6	26.7		
								DISCOUNT DATE : JUN 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	487.
GAS	(\$/MCF)	1.35	1.42	1.43	DRY HOLE	0.	0.	EXPENSES:	
NGL	(\$/BBL)	0.00	0.00	0.00				OPEX (LOE)	81.
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	71.
					FACILITIES	0.	0.	INDIRECT	13.
UNIT COST PERFORMANCE					PIPELINE	0.	0.	OVERHEAD	19.
					PLANT	0.	0.	NET ABAND/SALV	0.
					GATHERING	0.	0.		
OPEX	(\$/BOE)		1.16	1.43				NET INVESTMENTS	239.
OPEX	(\$/BOE\$)		3.30	4.08	MISC INTAN	167.	167.		
F&D	(\$/BOE)		3.41	4.22	MISC TAN	72.	72.	BTAX CASH FLOW	63.
F&D	(\$/BOE\$)		9.70	11.98				INCOME TAXES PAID	-218.
ATAX CF	(\$/BOE)			4.96	TOTAL	239.	239.	ATAX CASH FLOW	282.
ATAX CF	(\$/BOE\$)			14.11	DISC @ 10.0%	237.	237.	ATAX DISC @ 10.0%	108.

RESERVES & PRODUCTION				ASSUMPTIONS & REMARKS	
		GROSS	NET		
		REMAIN	ULT	REMAIN	ULT
OIL (MBBLS)		0.	0.	0.	0.
GAS (MMCF)		420.	420.	340.	340.
NGL (MBBLS)		0.	0.	0.	0.
SULPHUR (MTONS)		0.	0.	0.	0.
EQUIVALENT RESERVES:					
BTU (MBOE)		70.	70.	57.	57.
VALUE (MBO\$E)		25.	25.	20.	20.

INITIAL RATE:					
OIL (BBL/DAY)		0.		GLOBAL FILES: 1= \$UNOCAL1 2= \$UNOCAL2	
GAS (MCF/DAY)		224.		ALTKEY: USA	

F:P.A.  
VAL #: 8

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

DATE: 04/20/91  
TIME: 09:05:14  
PAGE: 10

NAME : RINCON U. #273 - FT TAXCR  
FIELD : BASIN FRUITLAND COAL  
CITY, STATE: NEW MEXICO  
FORMATION : FRUITLAND COAL  
OPERATOR : 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\$---
7MO)1990	0.0	0.0	26.9	21.8	3.6	0.00	0.0	1.65	35.9	35.9
1991	0.0	0.0	42.4	34.3	5.7	0.00	0.0	1.42	48.6	48.6
1992	0.0	0.0	31.1	25.2	4.2	0.00	0.0	1.42	35.6	35.6
1993	0.0	0.0	27.4	22.2	3.7	0.00	0.0	1.42	31.4	31.4
1994	0.0	0.0	24.8	20.0	3.3	0.00	0.0	1.42	28.4	28.4
1995	0.0	0.0	22.9	18.6	3.1	0.00	0.0	1.42	26.3	26.3
1996	0.0	0.0	21.3	17.3	2.9	0.00	0.0	1.42	24.4	24.4
1997	0.0	0.0	19.9	16.1	2.7	0.00	0.0	1.42	22.8	22.8
1998	0.0	0.0	18.8	15.3	2.5	0.00	0.0	1.42	21.6	21.6
1999	0.0	0.0	17.9	14.5	2.4	0.00	0.0	1.42	20.5	20.5
2000	0.0	0.0	17.0	13.8	2.3	0.00	0.0	1.42	19.5	19.5
2001	0.0	0.0	16.1	13.1	2.2	0.00	0.0	1.42	18.5	18.5
2002	0.0	0.0	15.3	12.4	2.1	0.00	0.0	1.42	17.6	17.6
2003	0.0	0.0	14.6	11.8	2.0	0.00	0.0	1.42	16.7	16.7
2004	0.0	0.0	13.8	11.2	1.9	0.00	0.0	1.42	15.9	15.9
SUB TOTAL	0.0	0.0	330.2	267.5	44.6	0.00	0.0	1.43	383.8	383.8
REMAINDER	0.0	0.0	89.8	72.7	12.1	0.00	0.0	1.42	102.9	102.9
OT 22.8 YR	0.0	0.0	420.0	340.2	56.7	0.00	0.0	1.43	486.8	486.8

	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\$---
7MO)1990	1.5	0.0	1.5	4.8	0.6	239.0	-210.0	-60.5	-149.5	-149.5
1991	3.6	0.0	3.6	7.1	1.4	0.0	36.5	-30.7	67.2	-82.3
1992	3.6	0.0	3.6	5.2	1.4	0.0	25.4	-23.9	49.3	-33.1
1993	3.6	0.0	3.6	4.6	1.4	0.0	21.8	-20.9	42.7	9.7
1994	3.6	0.0	3.6	4.2	1.4	0.0	19.2	-18.8	38.0	47.7
1995	3.6	0.0	3.6	3.9	1.4	0.0	17.4	-16.5	33.9	81.5
1996	3.6	0.0	3.6	3.6	1.4	0.0	15.8	-13.5	29.4	110.9
1997	3.6	0.0	3.6	3.3	1.4	0.0	14.4	-11.7	26.1	137.0
1998	3.6	0.0	3.6	3.2	1.4	0.0	13.4	-10.0	23.4	160.4
1999	3.6	0.0	3.6	3.0	1.4	0.0	12.5	-9.6	22.1	182.5
2000	3.6	0.0	3.6	2.9	1.4	0.0	11.6	-9.2	20.8	203.4
2001	3.6	0.0	3.6	2.7	1.4	0.0	10.8	-8.9	19.6	223.0
2002	3.6	0.0	3.6	2.6	1.4	0.0	10.0	-8.5	18.5	241.5
2003	3.6	0.0	3.6	2.5	1.4	0.0	9.2	3.5	5.7	247.2
2004	3.6	0.0	3.6	2.3	1.4	0.0	8.5	3.2	5.3	252.5
SUB TOTAL	51.9	0.0	51.9	55.8	20.7	239.0	16.4	-236.1	252.5	252.5
REMAINDER	29.4	0.0	29.4	15.1	11.7	0.0	46.7	17.8	29.0	281.5
OT 22.8 YR	81.3	0.0	81.3	70.9	32.4	239.0	63.2	-218.3	281.5	281.5

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

DATE: 04/20/91  
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ME : RINCON U. #273 - FT TAXCR  
ELD : BASIN FRUITLAND COAL  
TY, STATE: NEW MEXICO  
FORMATION : 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\$-----	-----	-----MBBLS-----	-----\$/BBL-----	-----M\$-----	-----M-TONS-----	-----M\$-----	-----M\$-----	-----M\$-----
7MO)1990	239.0	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	239.0	51.9	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
REMAINDER	0.0	29.4	1.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
OT 22.8 YR	239.0	81.3	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\$-----
7MO)1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	4.2
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	10.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	10.0
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	10.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	10.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	5.8
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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	72.0	0.0	50.1
REMAINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OT 22.8 YR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	0.0	50.1

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VAL #: 8

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

DATE: 04/20/91  
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NAME : RINCON U. #273 - 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\$-----				
7MO)1990	31733.7	21.6	0.840	0.000	21.6
1991	50040.9	34.0	0.840	0.000	34.0
1992	36659.3	24.9	0.840	0.000	24.9
1993	32322.6	22.0	0.840	0.000	22.0
1994	29206.0	19.9	0.840	0.000	19.9
1995	27047.4	18.4	0.840	0.000	18.4
1996	25154.1	17.1	0.840	0.000	17.1
1997	23454.2	16.0	0.840	0.000	16.0
1998	22221.2	15.1	0.840	0.000	15.1
1999	21110.1	14.4	0.840	0.000	14.4
2000	20054.6	13.6	0.840	0.000	13.6
2001	19051.9	13.0	0.840	0.000	13.0
2002	18099.3	12.3	0.840	0.000	12.3
2003	17194.3	0.0	0.000	0.000	0.0
2004	16334.6	0.0	0.000	0.000	0.0
SUB TOTAL	389684.2	242.3	0.840	0.000	242.3
REMAINDER	106212.7	0.0	0.000	0.000	0.0
TOT 22.8 YR	495896.9	242.3	0.840	0.000	242.3

GLOBAL FILE: \$UNOCAL1

EVALUATION #8 IN PROJECT FILE "P.A. " 04/20/91 09:04:38

0 IDENT "30 25 U091205 " "  
0 DATES JUN 1990 JUN 1990 AUG 1990  
0 NAME "RINCON U. #273 - FT TAXCR "  
0 FIELD "BASIN FRUITLAND COAL "  
0 CNTYSTATE "NEW MEXICO "  
0 FORMATION "FRUITLAND COAL "  
0 OPERATOR "UNOCAL "  
0 ECONOMICS ELIM  
0 OWNERSHIP 1. 0.809987  
00 COMMENT "PROD DECLINE BASED ON AVG WELL CASE "  
00 COMMENT "FIRST 6 MONTHS = ACTUAL PROD. "  
00 GPROD P MON 6.942 6.417 4.122 4.04 5.372 4.371  
00 GPROD \* EXP \* \* \* 60. 2.  
60 GPROD \* EXP \* \* \* 28. 14.  
70 GPROD \* EXP \* \* \* 10. 25.  
80 GPROD \* EXP \* \* \* 7. 36.  
90 GPROD \* EXP \* \* \* 5.  
00 TAN I MON 72000. 0.  
00 INTAN I MON 167000. 0.  
20 PRGAS P MON 1.14 1.37 1.77 1.64 1.29  
50 PRGAS JAN 1991 CON 1.2  
90 FACTOR 1.18 PRGAS  
00 COMMENT "18% BTU ADJUSTMENT "  
10 LOETOT P CON 300.  
20 AVALPS \* CON 3.5  
\*\* START OF INSERT FILE C-TAX  
0 COMMENT "ASSUMES CONSTANT \$.84 TAX CREDIT "  
0 COMMENT "TO 2003 "  
0 TEMP1 \* CON 0.  
0 CADD TEMP1 GPROD  
0 FACTOR 1000. TEMP1  
00 FACTOR 1.18 TEMP1  
70 TEMP5 JAN 1990 CON 0.84  
90 TEMP5 JAN 2003 CON 0.  
0 CADD TEMP2 TEMP1  
00 CFACTOR TEMP5 TEMP2  
10 FACTOR 0.809987 TEMP2  
20 CADD TAXCR TEMP2  
30 FACTOR 0.001 TEMP2  
\*\* END OF INSERT FILE  
70 ULTIMATE GPROD 420.

GLOBAL FILE: \$UNOCAL2

ILLEGIBLE

APPLICATION TO EXPAND THE BASIN FRUITLAND COAL GAS PARTICIPATING AREA  
- RINCON UNIT - RIO ARRIBA COUNTY, NEW MEXICO

Duane Spencer  
Chief of Reservoir Management  
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 expansion to the participating area for the Basin Fruitland Coal Gas producing formation, to wit:

TOWNSHIP 27 NORTH, RANGE 7 WEST, N.M.P.M.

Section 13: South/2

Containing 320 acres, more or less

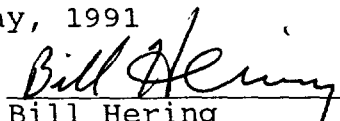
In support of this application, and in addition to the geologic and engineering reports, the following are attached:

- 1) Structure Top - Basin Fruitland Coal Gas Formation
- 2) Basin Fruitland Coal Gas Formation Gross Isopach
- 3) Type Log
- 4) Land Map - Rincon Unit
- 5) Rincon Unit #277 Fruitland Coal Gas Production Decline Curve
- 6) Rincon Unit #277 Fruitland Coal Gas Economics
- 7) Schedule of Lands and Working Interest Ownership in the expansion to the Basin Fruitland Coal Gas Participating Area (Participation Allocation Formula)
- 8) Applicant's Statement and Affidavit

This application is predicated on six months of actual production history from the Rincon Unit #277 well which first delivered on August 9, 1990.

Applicant respectfully requests your approval of the hereinabove selection of lands to constitute the expansion to the Basin Fruitland Coal Gas Formation participating area, to be effective August 9, 1990.

Dated this 31st day of May, 1991

  
\_\_\_\_\_  
Bill Hering  
District Petroleum Engineer  
Union Oil Company of California

### Well Summary

Well Name: Rincon Unit #277

Location: 1034'FSL, 1677'FWL, Sec 13, T27N, R7W

Elevation: 6718' GL

Total Depth: 3300'

Lease Number: SF-079298

Pool/Formation: Basin Fruitland Coal Gas

Spud Date: 5-31-90

Completion Date: 6-12-90

1st Delivery Date: 8-9-90

Perf'd Interval: 3139-3142, 3147-3151, 3157-3162, 3165-3171,  
3177-3182, 3205-3207, 3216-3218, 3220-3223, 3225-  
3240

### Geologic Summary

The Fruitland Formation was deposited in a coastal plain environment landward of the Pictured Cliffs strandline. It consists of shales, siltstones, sandstones and coal. The coals were deposited in low-lying areas such as lagoons, swamps and bayous behind the barrier islands, bars, and beaches of the Pictured Cliffs sandstone. The coal is best developed in the basal Fruitland, and extends aurally over the entire basin with the exception of a small region on the eastern margin. Net coal varies from 20 to 80 feet thick with the thickest sections being in the north-central part of the basin. The Rincon Unit coals range in thickness from 30 to 70 feet and in some areas of the unit are split into an upper and a basal coal zone. The coal itself is considered High Volatile C Bituminous in rank. Regional dip is 1 to 2 degrees to the northeast, and structure does not appear to be a factor in natural gas entrapment anywhere in the area of the unit.

### Engineering Summary

The Rincon Unit #277 was drilled and completed by Union Oil Company of California as a Basin Fruitland Coal Gas producer in 1990. Surface pipe measuring 8-5/8" was set at 362 feet and cemented with 300 sacks to surface. Production casing measuring 4-1/2" was then set at 3298 feet and cemented in two stages to surface with 900 sacks cement. After drilling out to PBTD of 3294', the lower coal zone was perforated from 3205' to 3240' with 2 shots per foot and the upper coal zone from 3139' to 3182' with 4 shots per foot and fracture stimulated with 300,000# 20/40 sand, 1.44 MMSCF/N<sub>2</sub> and 32,353 gallons cross-linked gel water. The recorded initial potential and 24 hour shut-in pressure were 332 MCFD and 700 psi, respectively. The well was first delivered to the El Paso Natural Gas pipeline system on August, 9 1990. The current deliverability for the well against a 150# line pressure is 38 MCFD.

Volumetrics calculated on the below-listed parameters yields a recoverable gas volume of 0.46 Bcf.

Net Pay: 50 ft  
Drainage area: 160 acres  
Gas Content: 164 SCF/ton  
Tonnage Factor: 2078 tons/acre-feet (from density log)  
Recovery Factor: 17%

Economics

Completion Cost: \$275,000  
Royalty Burden: 19.00%  
Gas Price: \$1.20/MMBTU  
Operating Cost: \$300/month  
Tax Credit: \$0.84/MMBTU constant  
Production Rate: Maximum - 150 MCFD, Current - 50 MCFD  
No associated water production

Economics based on the above are attached. Given the investment cost to complete this well payout should occur in 9.5 years. Compared with net total revenue this Basin Fruitland Coal Gas well produces in economic quantities above operating costs.

STATE OF NEW MEXICO

COUNTY OF SAN JUAN

APPLICANT'S STATEMENT AND AFFIDAVIT

BEFORE ME, the undersigned authority on this day personally appeared Bill Hering, District Petroleum Engineer, known to me to be the person whose name is subscribed to this instrument, who, having been by me first duly sworn, upon oath states as follows:

- 1) That this Statement and Affidavit is made concerning this application for expansion to the Basin Fruitland Coal Gas participating area in the Rincon Unit, in the S/2 Section 13, T27N-R7W, comprising 320 acres.
- 2) That to the best of his information, knowledge and belief, the information supplied is true.
- 3) That notice of this application has been mailed or delivered to the Rincon Unit working interest owners in accordance with the unit agreement and the unit operating agreement.
- 4) That he certifies that the information and data contained in the application are true and correct and that all copies of records or summaries of such records relied upon in the application are true, correct and authentic copies of documents on file in the offices of Union Oil Company of California.
- 5) That he is of lawful age, that he is a responsible official of Union, that he is duly authorized to make this Statement and Affidavit on behalf of Union, that he has knowledge of the facts contained herein, that this Statement and Affidavit is true and correct, and that he adopts the allegations herein as his sworn statement.

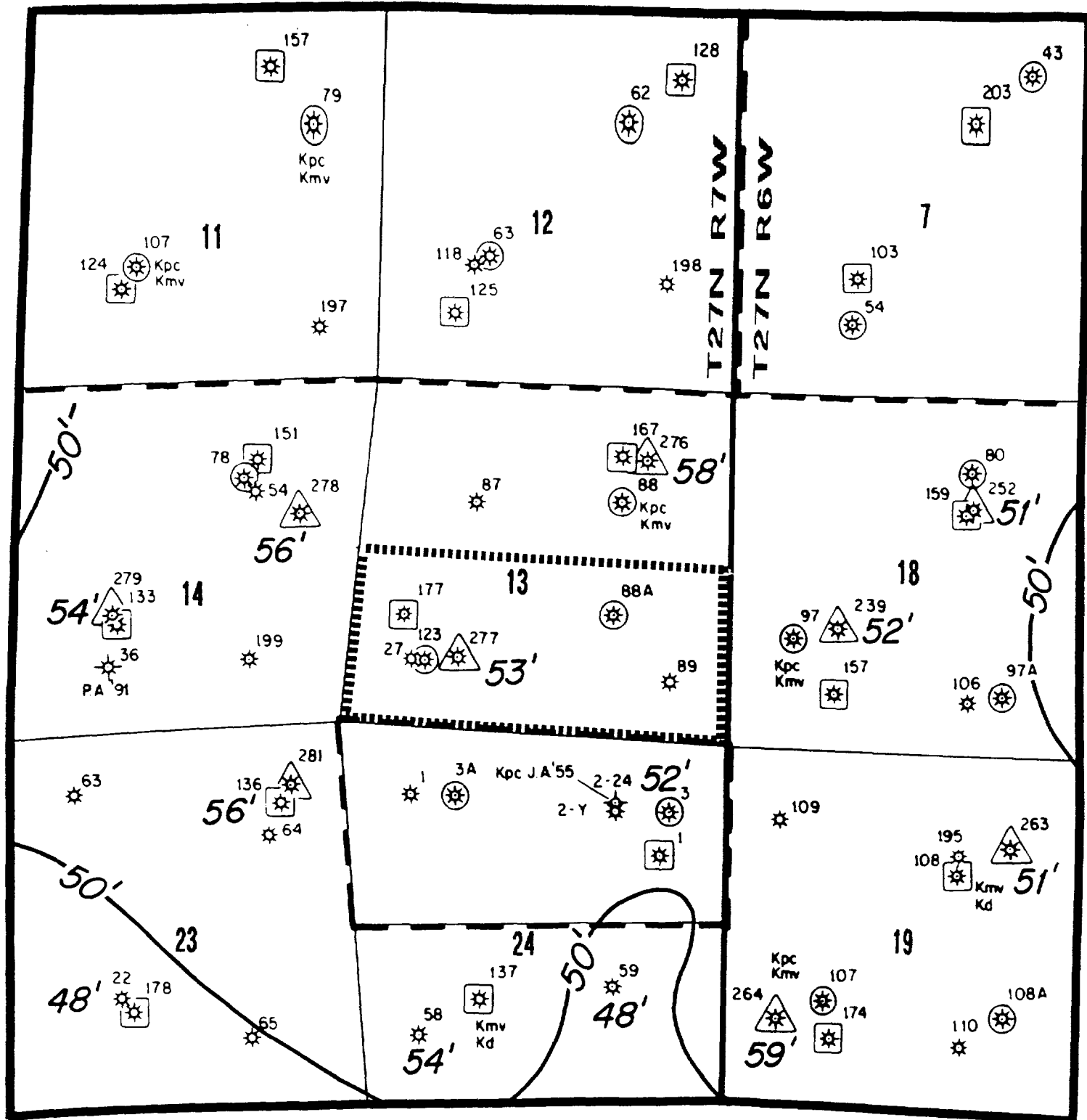
SUBSCRIBED AND SWORN TO before me, this undersigned authority, on this day of May 31, 1991.

*Audra L. Luese*  
Notary Public in and for  
San Juan County, New Mexico

My Commission Expires:

6/2/94





# PRODUCING INTERVAL

•	FARMINGTON	Kfm
•	KIRTLAND	Kk
•	FRUITLAND	Kf
•	PICTURED CLIFFS	Kpc
•	CHACRA	Kc
•	LA VENTANA	Kiv
•	MESAVERCE	Kmv
•	SALLUP	Kgi
•	DAKOTA	Kd

Kch CLIFFHOUSE  
 Kcm MENEFEE  
 Kgi TOCITO  
 Kgn GREENHORN

**UNOCAL** 76

NORTH AMERICAN OIL & GAS DIVISION  
SOUTHWESTERN REGION

## RINCON UNIT

RIO ARRIBA COUNTY, NEW MEXICO

ISOPACH

FRUITLAND COAL

RINCON UNIT # 277

S $\frac{1}{2}$  SEC. 13 -T27N R7W

INTERP BY D.V.H. SCALE 2 1/2" = 1 Mi. 1" = 10'  
DRAFT BY DATE 9-26-90