

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



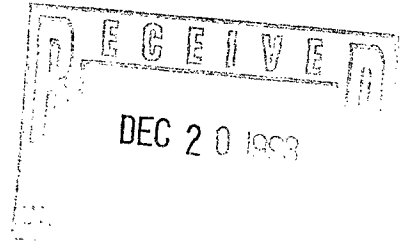
December 17, 1993

CERTIFIED RETURN RECEIPT REQUESTED

Farmington District

New Mexico Oil Conservation Division
Attn: Mr. William J. LeMay
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

New Mexico Oil Conservation Division
Attn: Mr. Frank Chavez
1000 Rio Brazos Road
Aztec, New Mexico 87410



Dear Sirs:

Union Oil Company of California (UNOCAL) requests permission to downhole commingle production from the Blanco Mesaverde and Basin Dakota formations in the following well:

Rincon Unit No. 137
1500' FSL, 1800' FWL
Section 24, T27N, R7W
Rio Arriba County, New Mexico

As provided by Order No. R-9893, administrative approval may be granted without notice and hearing.

As required for an exception to rule 303-A, the following information is attached:

1. An acreage dedication plat showing offset lease ownership.
2. A Form C-116 showing current productivity from each zone.
3. A wellbore diagram with completion detail.
4. A bottomhole pressure from each zone and a calculated adjustment to a common datum.
5. Gas analyses from each zone.
6. An allocation formula for commingled production.
7. A copy of the notification letter sent to all offset operators and the Bureau of Land Management.

The Blanco Mesaverde formation is currently marginally economic. Commingling will allow for better lift of liquids production and benefits from compression.

Both zones produce essentially dry gas. Therefore, the respective formation fluids are compatible. Also, no crossflow will occur between the commingled zones.

If you have any questions, please contact Dana Delventhal at (505)326-7600. Thank you for your consideration in this matter.

Sincerely,

Union Oil Company of California
dba UNOCAL

Glen O. Papp

Glen O. Papp
Field Superintendent

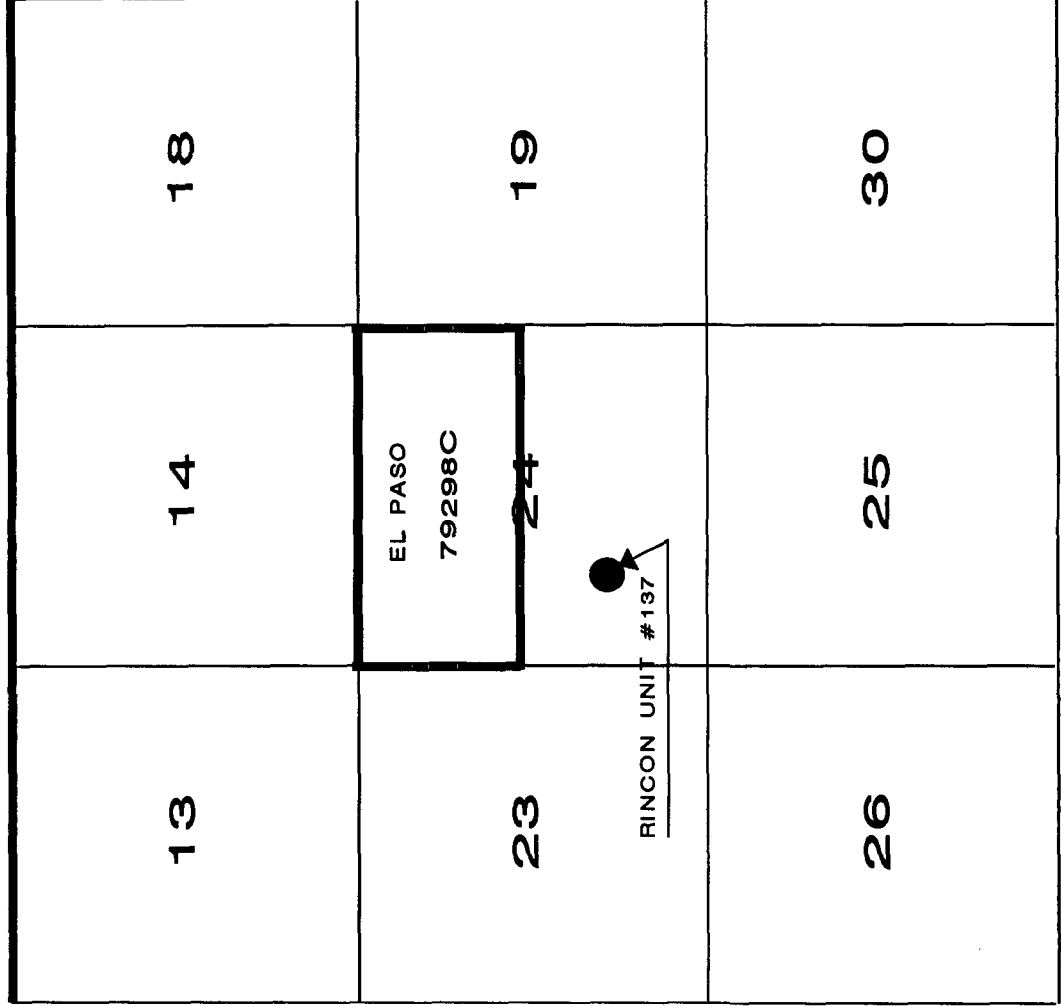
Attachments

GOP/DLD/df

OFFSET LEASE OWNERSHIP

R 7 W

R 6 W



T 27 N

OIL CONSERVATION DIVISION

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 874

GAS - OIL RATIO TEST

Operator		Pool		County										
Union Oil Company of California		Blanco Mesaverde/Basin Dakota		Rio Arriba										
Address														
3300 N. Butler, Suite 200, Farmington, NM 87401														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	Scheduled ☐	Completion ☒ Special ☐	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT / BBL	
		U	S	T						R	WATER BBL.S	GRAV. OIL		OIL BBL.S
Rincon Unit	137	K	24	27N	7W									
Blanco Mesaverde						11/93	F	64/64"	294			-0-	17	--
Basin Dakota						11/93	F	64/64"	288			0.2	112	560,000

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Glen O. Papp

Printed name and title

December 17, 1993

Date _____

Field Superintendent

(505) 326-7600

Telephone No.

RINCON UNIT #137

1500' FSL, 1800' FWL
SEC. 24, T27N, R7W

13 3/8", 48#, J-55 CSA 323'

CMT W/ 230 SX
TOC AT SURFACE.

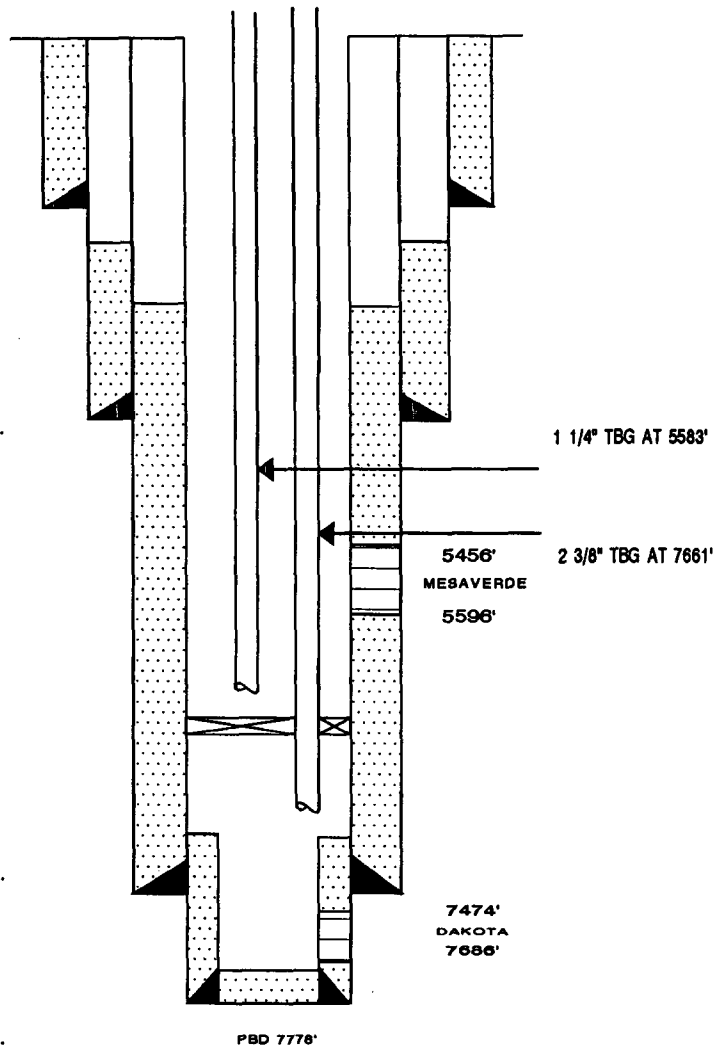
9 5/8", 36#, J-55
and 40# N-80
CASING SET AT 3434'

CMT W/ 145 SX
TOC AT 2300' BY TEMP SURV.

BAKER 'D' PKR AT 6727'

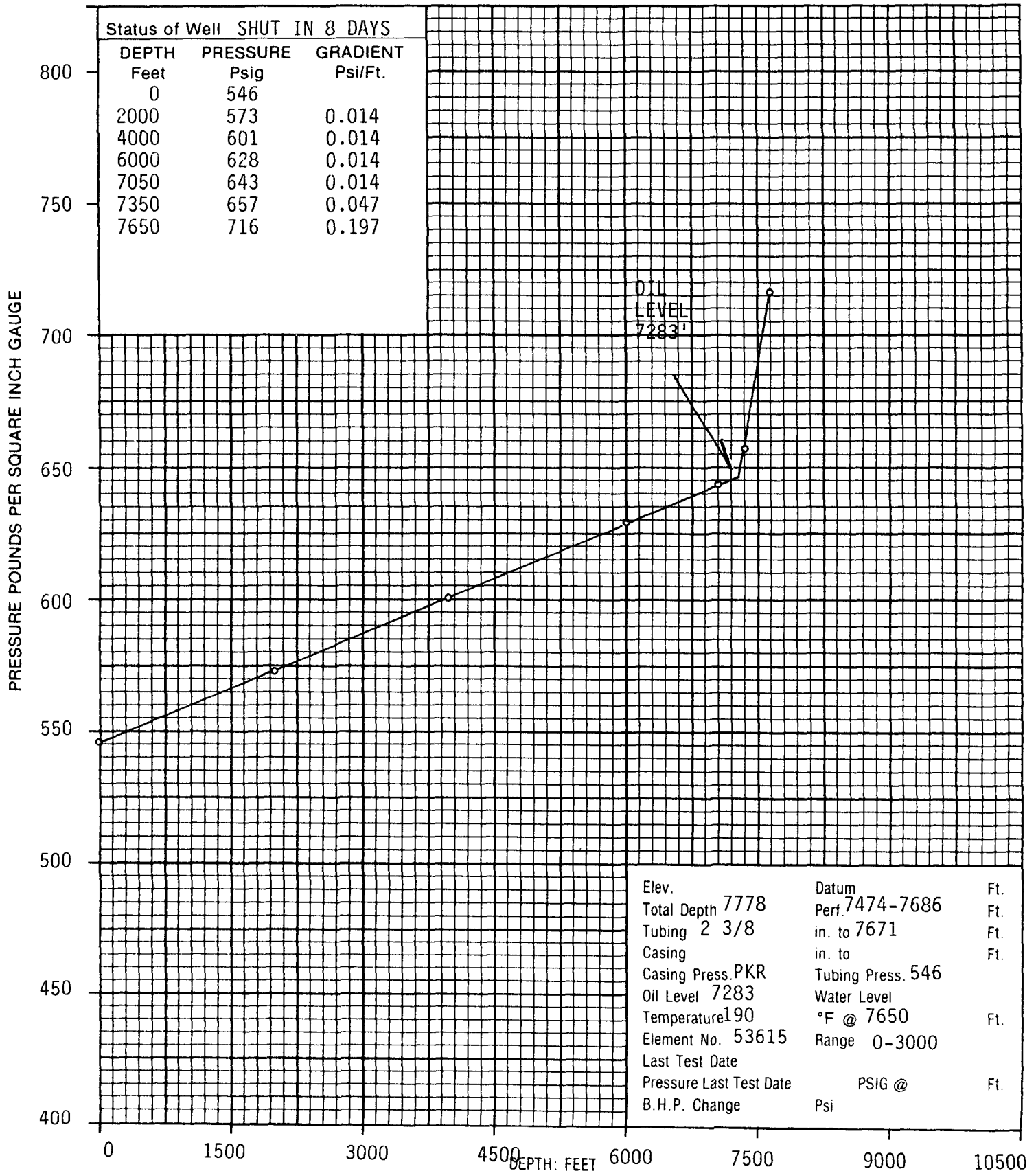
7", 23# N-80 AND J-55
CASING SET AT 7420'
CMT W/ 1040 SX
TOC AT 2900' BY TEMP SURV.

5", 15#, J-55 SET FROM
7370' TO 7815'.
CMT W/ 80 SX
TOC AT 7400' BY TEMP SURV.





Company UNOCAL Lease RINCON UNIT Well No. 137
Field SAN JUAN BASIN County RIO ARriba State N.M.
Formation DAKOTA- MESA VERDE Test Date 9-22-93





Page 17 of 19
File 2-25399-FL&P

COMPANY UNOCAL LEASE RINCON UNIT WELL NO. 137
FIELD _____ COUNTY RIO ARriba STATE NEW MEXICO
FORMATION MESA VERDE TEST DATE 9-22-93 TIME _____

FLUID LEVEL REPORT

WELL DATA

Elevation _____ feet Datum _____ feet subsea Total Depth _____ feet
Perforations 5456-5596 feet Test Depth 5526(MP) feet Packer 6727 feet
Tubing Size 1 1/4 in. to 5589 feet Tubing Pressure 325 psig
Casing Size _____ in. to _____ feet Casing Pressure 330 psig
Oil Level _____ feet Water Level _____ feet Average Tubing Joint 31.5 feet
Well Makes 0 % Oil, 100 % Water Atmospheric Temperature _____ °F
Status of Well SHUT IN 8 DAYS Operator JR-SB Unit No. P-204

PRESSURE DATA

	Feet	Gradient Psig/Ft.	Psi
Casing Pressure			330
GAS			
Average Tubing Joints <u>31.5</u> ft. Joints to Fluid <u>1735</u> Feet to Fluid.	5465	0.008	44
OIL			
Fluid Column Length _____ ft. % Oil _____ Oil Column Length.			
WATER			
Fluid Column Length <u>61</u> Ft. % Water <u>100</u> Water Column Length.	61	0.430	26

PRESSURE AT TEST DEPTH

5526 400

Calculated subsurface pressure at datum depth of 5526 feet subsea is 400 psig
Last Test Date _____ Pressure Last Test _____ psig BHP Change _____ psi
Remarks: _____

RINCON UNIT NO. 137

After a 7 day SI period:

Mesaverde BHP = 400 psi @ 5526'

Dakota BHP = 716 psi @ 7650'

Gas Gradient = 0.014 psi/ft

Adjusting to a common datum of 5526':

Mesaverde BHP = 400 psi

Dakota BHP = $716 - [(0.014)(7650 - 5526)] = 686$ psi

Therefore the reservoir pressures fall within the 50% requirement.

EL PASO NATURAL GAS COMPANY
 VOLUME ACCOUNTING DEPARTMENT
 MEASUREMENT DIVISION
 POST OFFICE BOX 1492
 EL PASO, TEXAS 79978
 PHONE: (915) 541-5267

CHROMATOGRAPHIC GAS ANALYSIS REPORT

DATE 7/08/92

MAILEE
 94100

UNION OIL CO. OF CALIFORNIA
 ATTN: MIDLAND PRODUCTION DEPT.
 P.O. BOX 671
 MIDLAND, TEXAS 79702

METER NUMBER 72585 - RINCON UNIT NP #137 MV
 OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 6/02/92 TYPE CODE 2 - ACTUAL
 SAMPLE DATE 5/29/92 H2S GRAINS 0
 EFFECTIVE DATE 7/01/92 LOCATION F - FARMINGTON
 EFFECTIVE FOR 3 MONTHS

COMPONENTS	NORMALIZED MOL %	GPM
CO2	.78	.000
H2S	.00	.000
N2	.38	.000
METHANE	81.34	.000
ETHANE	9.99	2.672
PROPANE	4.41	1.215
ISO-BUTANE	.69	.228
NORM-BUTANE	1.25	.394
ISO-PENTANE	.49	.179
NORM-PENTANE	.40	.145
HEXANE PLUS	.27	.118
	100.00	4.949

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 VOLUME ACCOUNTING DEPARTMENT
 MEASUREMENT DIVISION
 POST OFFICE BOX 1492
 EL PASO, TEXAS 79978
 PHONE: (915) 541-5267

CHROMATOGRAPHIC GAS ANALYSIS REPORT

DATE 7/08/92

MAILEE
 94100

UNION OIL CO. OF CALIFORNIA
 ATTN: MIDLAND PRODUCTION DEPT.
 P.O. BOX 671
 MIDLAND, TEXAS 79702

METER NUMBER 72586 - RINCON UNIT #137 DK
 OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 6/02/92 TYPE CODE 2 - ACTUAL
 SAMPLE DATE 5/27/92 H2S GRAINS 0
 EFFECTIVE DATE 7/01/92 LOCATION F - FARMINGTON
 EFFECTIVE FOR 3 MONTHS

COMPONENTS	NORMALIZED MOL %	GPM
CO2	.22	.000
H2S	.00	.000
N2	.68	.000
METHANE	85.31	.000
ETHANE	6.77	1.811
PROPANE	4.24	1.169
ISO-BUTANE	.88	.288
NORM-BUTANE	1.08	.341
ISO-PENTANE	.35	.128
NORM-PENTANE	.24	.087
HEXANE PLUS	<u>.23</u>	<u>.100</u>
	100.00	3.924

RINCON UNIT NO. 137
ALLOCATION FORMULA

GAS PRODUCTION:

Mesaverde Rate	17 MCFD
Dakota Rate	<u>112</u> MCFD
Total Rate	<u>129</u> MCFD

Therefore,

Mesaverde	13%
Dakota	87%

OIL PRODUCTION:

Mesaverde Rate	0.0 BOPD
Dakota Rate	<u>0.2</u> BOPD
Total Rate	<u>0.2</u> BOPD

Therefore,

Mesaverde	0%
Dakota	100%

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Unocal Corporation
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December 17, 1993

Farmington District

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

Dear Sirs:

Union Oil Company of California (UNOCAL) has requested permission from the New Mexico Oil Conservation Division to downhole commingle production from the Blanco Mesaverde and Basin Dakota formations in the following well:

Rincon Unit No. 137
1500' FSL, 1800' FWL
Section 24, T27N, R7W
Rio Arriba County, New Mexico

If you have any objections to this proposal, please notify the NMOCD within twenty (20) days. If you have any questions about this application, please contact Dana Delventhal at (505)326-7600.

Sincerely,

Union Oil Company of California
dba UNOCAL

Glen O. Papp DLD

Glen O. Papp
Field Superintendent

GOP/DLD/df

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



December 17, 1993

Farmington District

Meridian Oil Production Inc.
P.O. Box 4289
Farmington, New Mexico 87499

Dear Sirs:

Union Oil Company of California (UNOCAL) has requested permission from the New Mexico Oil Conservation Division to downhole commingle production from the Blanco Mesaverde and Basin Dakota formations in the following well:

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Sincerely,

Union Oil Company of California
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Glen O. Papp
Field Superintendent

GOP/DLD/df

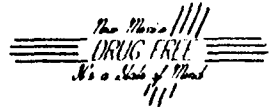


CONSERVATION DIVISION
RECEIVED
AUG 10 1993

STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DIVISION

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 12/21/93

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: Proposed MC _____
Proposed NSL _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC _____ ✓
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on Dec 20, 1993
for the Unocal Revised Unit #137
OPERATOR LEASE & WELL NO.

K-24-27N-5W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

J. S.