

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



January 10, 1994

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. 125
990' FSL, 1650' FWL
Section 26, T27N, R6W
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.

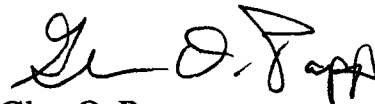
The Blanco Mesaverde formation is currently marginally economic. Commingling will allow for better lift of liquids production and benefits from compression.

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

A handwritten signature in black ink, appearing to read "Glen O. Papp". The signature is fluid and cursive, with the first name "Glen" being the most prominent.

Glen O. Papp
Field Superintendent

Attachments

GOP/DLD/df

OFFSET LEASE OWNERSHIP

R 6 W

22	23	EL PASO SF079365	24	EL PASO
27	26	EL PASO SF079367B	25	
<div>EL PASO SF079210</div> <div>CAULKINS 3547</div> <div>34</div>	<div>CAULKINS 3547</div> <div>35</div>	<div>E290-28</div> <div>E290-68</div> <div>E290-28</div> <div>3290-36</div> <div>E290</div> <div>36</div>		

RINCON UNIT #125

T 27 N

Submit 2 copies to Appropriate
District Office.
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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator		Pool		County										
UNION OIL COMPANY OF CALIFORNIA		BLANCO MESAVERDE/BASIN DAKOTA		RIO ARriba										
Address		TYPE OF TEST - (X)		Completion <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/>		Special <input type="checkbox"/>								
3300 NORTH BUTLER, SUITE 200, FARMINGTON, NEW MEXICO 87401														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
RINCON UNIT	125	N	26	27N	6W	11/93	F 64/64"	263		24	-0-	-0-	17	---
BLANCO MESAVERDE BASIN DAKOTA						11/93	F 64/64"	271		24	-0-	-0-	105	150,000

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

FIELD SUPERINTENDENT

Printed name and title

JANUARY 10, 1994

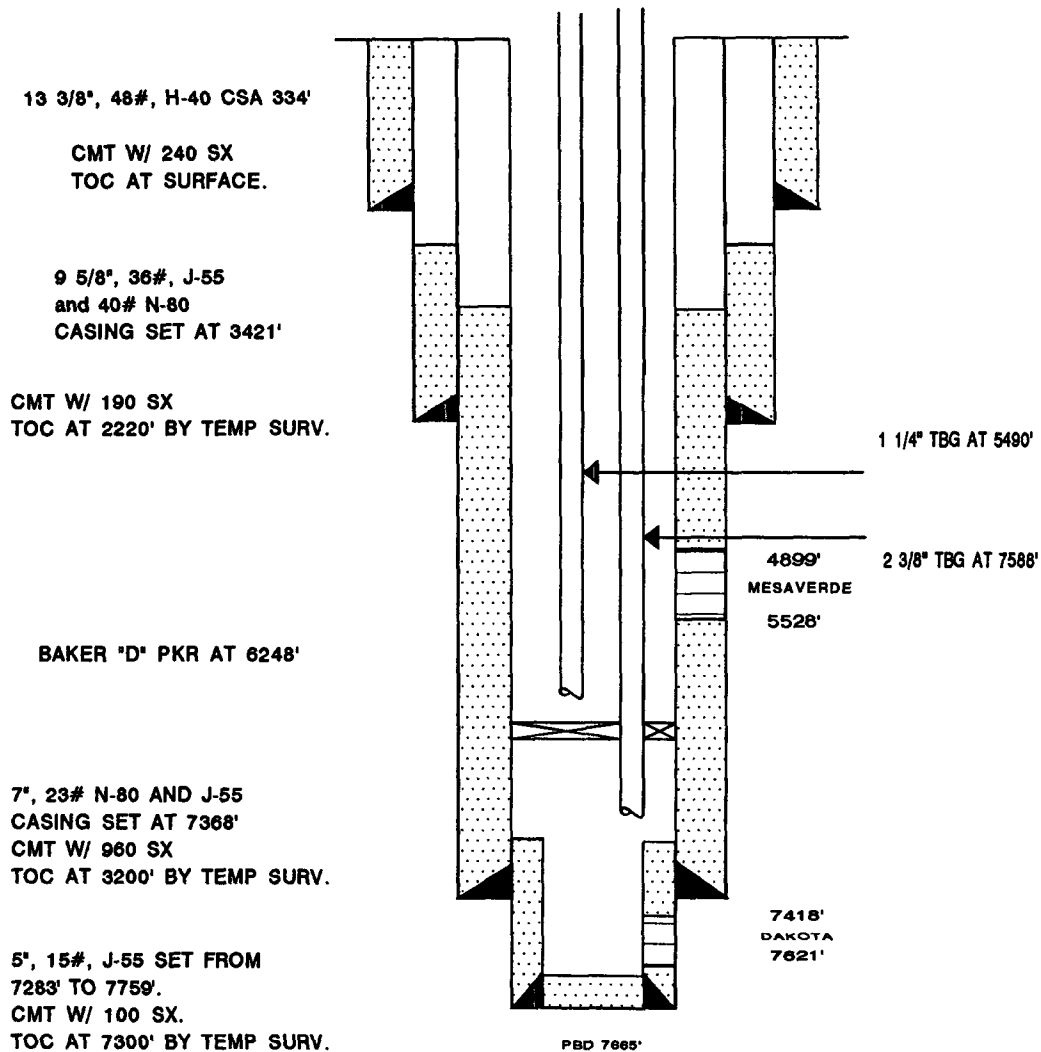
(505) 326-7600

Date

Telephone No.

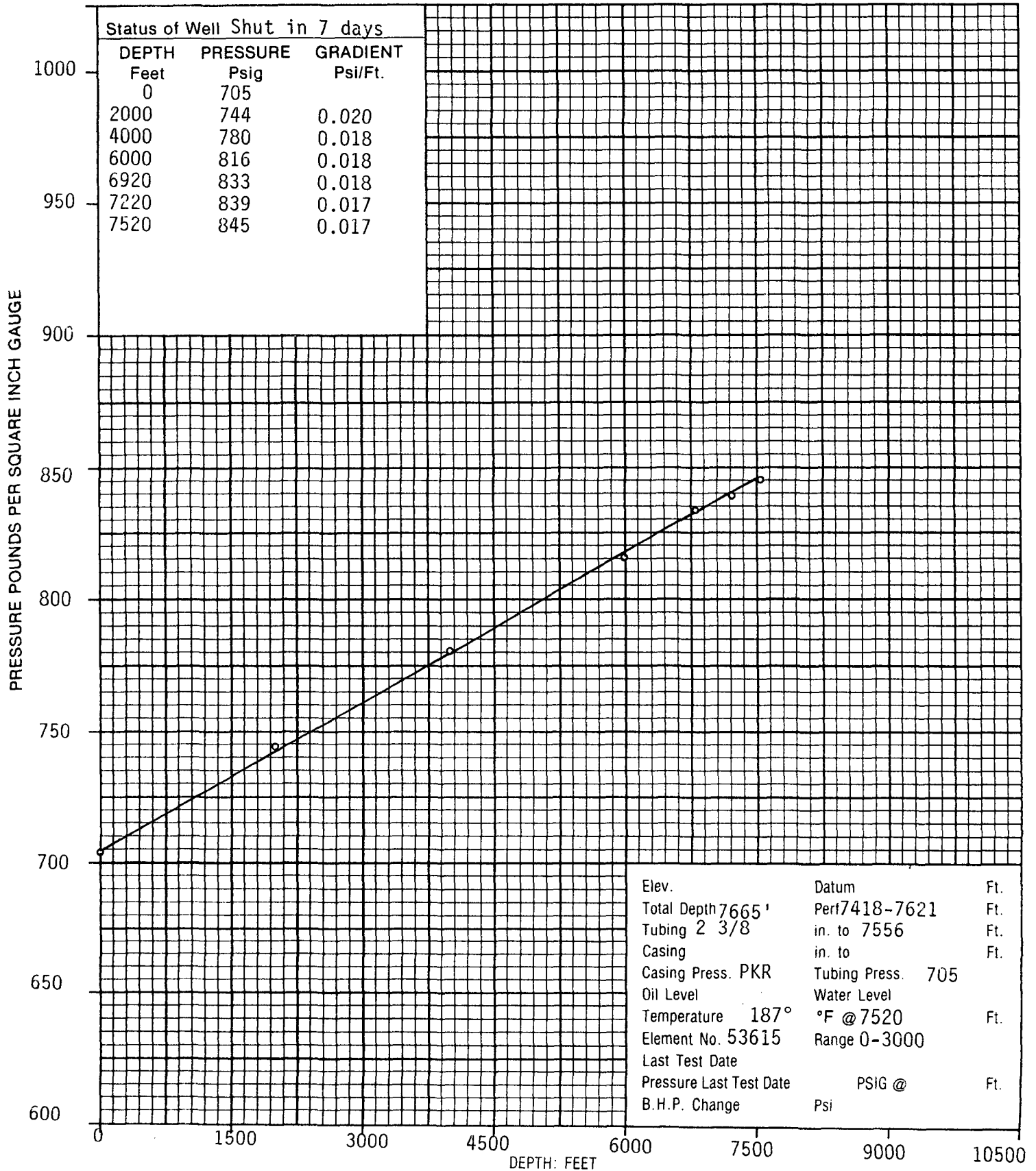
RINCON UNIT #125

990' FSL, 1650' FWL
SEC. 26, T27N, R6W





Company UNOCAL Lease RINCON UNIT Well No. 125
Field SAN JUAN BASIN County RIO ARriba State N.M.
Formation DAKOTA- MESA VERDE Test Date 9-21-93





Page 4 of 19

File 2-25399-FL&P

COMPANY UNOCAL LEASE RINCON UNIT WELL NO. 125
 FIELD _____ COUNTY RIO ARriba STATE NEW MEXICO
 FORMATION MESA VERDE TEST DATE 9-21-93 TIME _____

FLUID LEVEL REPORT

WELL DATA

Elevation _____ feet Datum _____ feet subsea Total Depth _____ feet
 Perforations 4899-5528 feet Test Depth 5214 feet Packer 6718 feet
 Tubing Size 1 1/4 in. to 5490 feet Tubing Pressure _____ psig
 Casing Size _____ in. to _____ feet Casing Pressure 457 psig
 Oil Level _____ feet Water Level _____ feet Average Tubing Joint 31.5 feet
 Well Makes _____ % Oil, _____ % Water Atmospheric Temperature _____ °F
 Status of Well Shut in 7 days Operator JR-SB Unit No. P-204

PRESSURE DATA

	Feet	Gradient Psig/Ft.	Psi
Casing Pressure			457
GAS			
Average Tubing Joints _____ ft. Joints to Fluid _____ * Feet to Fluid.	5214	0.012	63
OIL			
Fluid Column Length _____ ft. % Oil _____ Oil Column Length.			
WATER			
Fluid Column Length _____ Ft. % Water _____ Water Column Length.			

PRESSURE AT TEST DEPTH

****5214 520**

Calculated subsurface pressure at datum depth of 5214 feet subsea is 520 psig
 Last Test Date _____ Pressure Last Test _____ psig BHP Change _____ psi
 Remarks: *FLUID LEVEL BELOW PERFORATIONS
**MID-PERFORATION*

RINCON UNIT NO. 125

After a 7 day SI period:

$$\text{Mesaverde BHP} = 520 \text{ psi @ } 5214'$$

$$\text{Dakota BHP} = 845 \text{ psi @ } 7520'$$

$$\text{Gas Gradient} = 0.018 \text{ psi/ft}$$

Adjusting to a common datum of 5214':

$$\text{Mesaverde BHP} = 520 \text{ psi}$$

$$\text{Dakota BHP} = 845 - [(0.018)(7520 - 5214)] = 803 \text{ psi}$$

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

DATE 1/08/93 CHROMATOGRAPHIC GAS ANALYSIS REPORT

MAILEE

94100 UNION OIL CO. OF CALIFORNIA
ATTN: SHARON L. MILLER
P.O. BOX 671
MIDLAND, TEXAS 79702

METER NUMBER 72567 - RINCON UNIT #125 MV
OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 11/20/92 TYPE CODE 2 - ACTUAL
SAMPLE DATE 11/18/92 H2S GRAINS 0
EFFECTIVE DATE 1/01/93 LOCATION F - FARMINGTON
EFFECTIVE FOR 6 MONTHS

COMPONENTS	NORMALIZED MOL %	GPM
CO2	1.14	.000
H2S	.00	.000
N2	.32	.000
METHANE	85.24	.000
ETHANE	7.76	2.076
PROPANE	3.28	.904
ISO-BUTANE	.57	.186
NORM-BUTANE	.86	.271
ISO-PENTANE	.32	.117
NORM-PENTANE	.22	.080
HEXANE PLUS	.29	.127
	100.00	3.761

SPECIFIC GRAVITY .677

MIXTURE HEATING VALUE
(BTU @ 14.73 DRY) 1170

RATIO OF SPECIFIC HEATS .000

NO TEST SECURED FOR H2S CONTENT

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

DATE 7/08/82 CHROMATOGRAPHIC GAS ANALYSIS REPORT

MAILEE
 94100

UNION OIL CO. OF CALIFORNIA
 ATTN: MIDLAND PRODUCTION DEPT.
 P.O. BOX 871
 MIDLAND, TEXAS 79702

METER NUMBER 74971 - RINCON UNIT #125 DK
 OPERATOR 9185 - UNION OIL CO OF CALIF

ANALYSIS DATE	5/29/92	TYPE CODE	2 - ACTUAL
SAMPLE DATE	5/21/92	H2S GRAINS	0
EFFECTIVE DATE	7/01/92	LOCATION	F - FARMINGTON
EFFECTIVE FOR	3 MONTHS		

COMPONENTS	NORMALIZED MOL %	GPM
CO2	1.37	.000
H2S	.00	.000
N2	.39	.000
METHANE	88.28	.000
ETHANE	7.08	1.897
PROPANE	1.71	.471
ISO-BUTANE	.38	.118
NORM-BUTANE	.42	.132
ISO-PENTANE	.17	.062
NORM-PENTANE	.08	.033
HEXANE PLUS	<u>.12</u>	<u>.052</u>
	100.00	2.785

RINCON UNIT NO. 125
ALLOCATION FORMULA

<u>GAS PRODUCTION:</u>	Mesaverde Rate	17 MCFD
	Dakota Rate	<u>105</u> MCFD
	Total Rate	<u>122</u> MCFD

Therefore,	Mesaverde	14%
	Dakota	86%

<u>OIL PRODUCTION:</u>	Mesaverde Rate	0.0 BOPD
	Dakota Rate	<u>0.7</u> BOPD
	Total Rate	<u>0.7</u> BOPD

Therefore,	Mesaverde	0%
	Dakota	100%

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January 10, 1994

Farmington District

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

Dear Sirs:

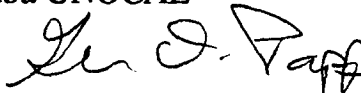
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Rio Arriba County, New Mexico

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
Field Superintendent

GOP/DLD/df

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



January 10, 1994

Farmington District

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

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Glen O. Papp
Field Superintendent

GOP/DLD/df

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Unocal Corporation
3300 North Butler Avenue
Suite 200
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January 10, 1994

Farmington District

Caulkins Oil Company
P.O. Box 340
Bloomfield, New Mexico 87413

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Union Oil Company of California
dba UNOCAL

Glen O. Papp
Field Superintendent

GOP/DLD/df

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

UNOCAL 76

January 10, 1994

Farmington District

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

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RECEIVED
JAN 24 1994
OIL CON. DIV.
DIST. 3

Sincerely,

Union Oil Company of California
dba UNOCAL

Glen O. Papp
Glen O. Papp
Field Superintendent

GOP/DLD/df

NMOCD
FARMINGTON COPY

APPROVED
JAN 19 1994
DISTRICT MANAGER



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

OIL CONSERVATION DIVISION
RECEIVED
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
150513146178
'94 JAN 27

Date: 1-26-94

Attn: Ben Stone

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

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

Proposed DHC X _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 1-12-94
for the UNIOCAL OPERATOR RECONTRACT # 125 LEASE & WELL NO.

N-26-27N-06W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

Eric Busch

DHC-969