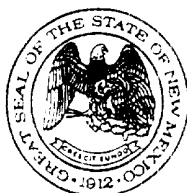


plans
filed
etc



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



RECEIVED
FEB - 3 1994
OIL CON. DIV.
DIST. 3

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

ADMINISTRATIVE ORDER DHC-961

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

Attention: Glen O. Papp

Rincon Unit Well No. 130

*Unit A, Section 32, Township 27 North, Range 6 West, NMPM,
Rio Arriba County, New Mexico.
Blanco-Mesaverde and Basin-Dakota Gas Pools*

Dear Mr. Papp:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 50 barrels per day, and total water production shall not exceed 100 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

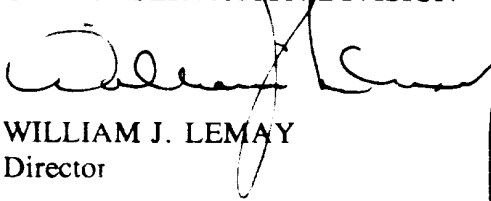
Blanco-Mesaverde Pool	Oil	7%	Gas	7%
Basin-Dakota Pool	Oil	93%	Gas	93%

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 31st day of January, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/DRC/amg

cc: Oil Conservation Division - Aztec
US Bureau of Land Management - Farmington



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

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

Date: 1-26-94

att: Mr. 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 ✓ _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 1-4-94

for the UNOCAL
OPERATOR

PERCON Unit #130
LEASE & WELL NO.

A-32-27N-06W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

Eric Bush

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

UNOCAL 76

December 30, 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

RECEIVED
JAN 04 1994
OIL CON. DIV.
DIST 3

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. 130
990' FNL, 990' FEL
Section 32, 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.

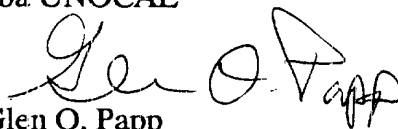
The Blanco Mesaverde formation is currently marginally economic. Commingling will allow for better lift of liquids production and benefits from compression.

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 more prominent.

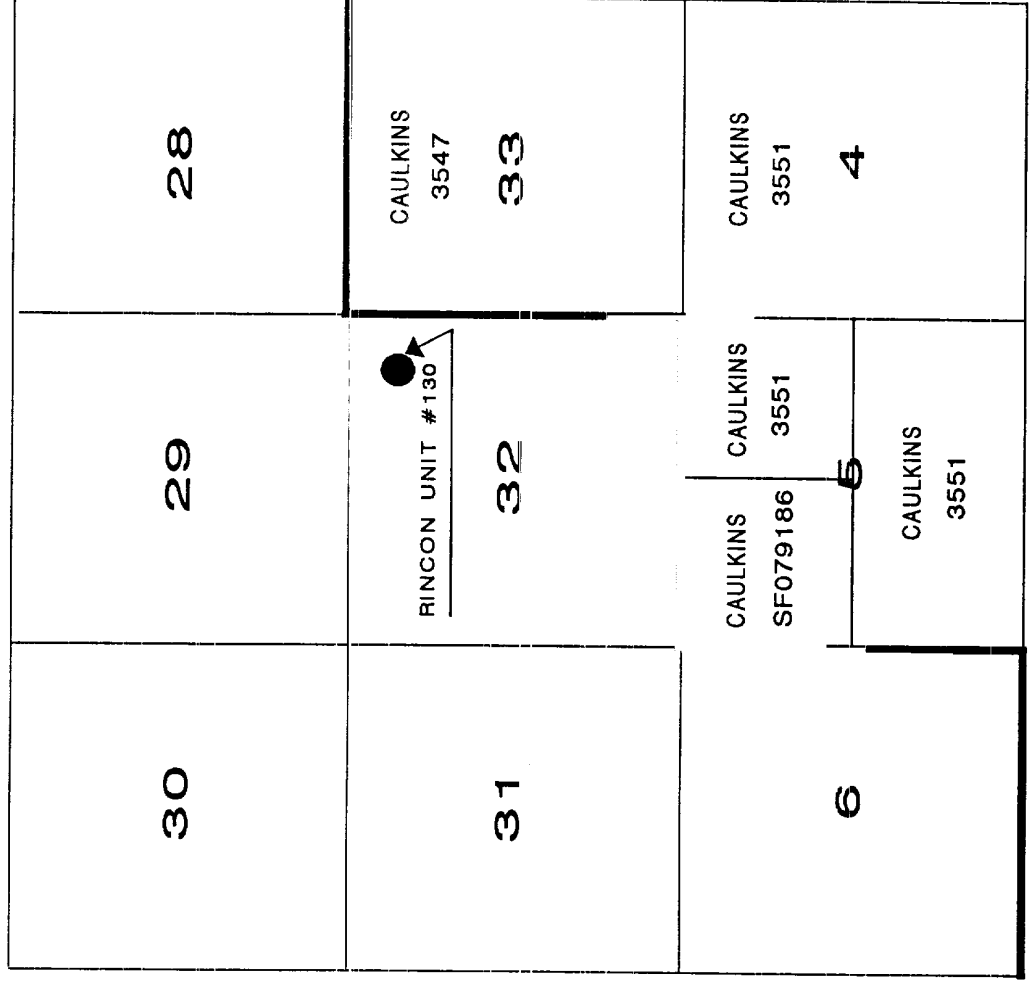
Glen O. Papp
Field Superintendent

Attachments

GOP/DLD/df

OFFSET LEASE OWNERSHIP

R 6 W



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

OIL CONSERVATION DIVISION

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

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Union Oil Company of California		Pool Blanco Mesaverde/Basin Dakota		County Rio Arriba										
Address 3300 North Butler, Suite 200, Farmington, New Mexico 87401		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☐										
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 BBL.S.	GRAV. OIL		OIL BBL.S.
Rincon Unit	130	A	32	27N	6W	11/93	F 64/64"	298		24	-0-	0.4	34	85,000
Blanco Mesaverde Basin Dakota						11/93	F 64/64"	292		24	-0-	5	450	90,000

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

December 30, 1993

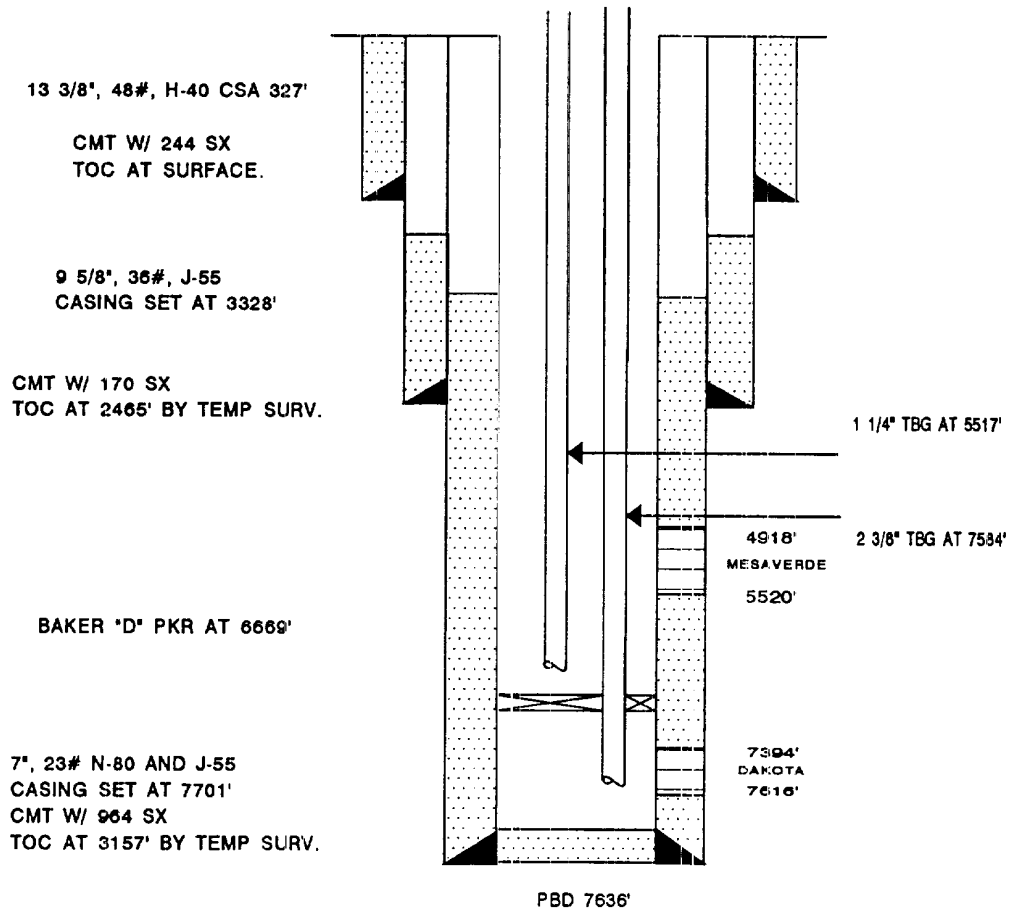
Date

(505) 326-7600

Telephone No.

RINCON UNIT #130

990' FNL, 990' FEL
SEC. 32, T27N, R6W





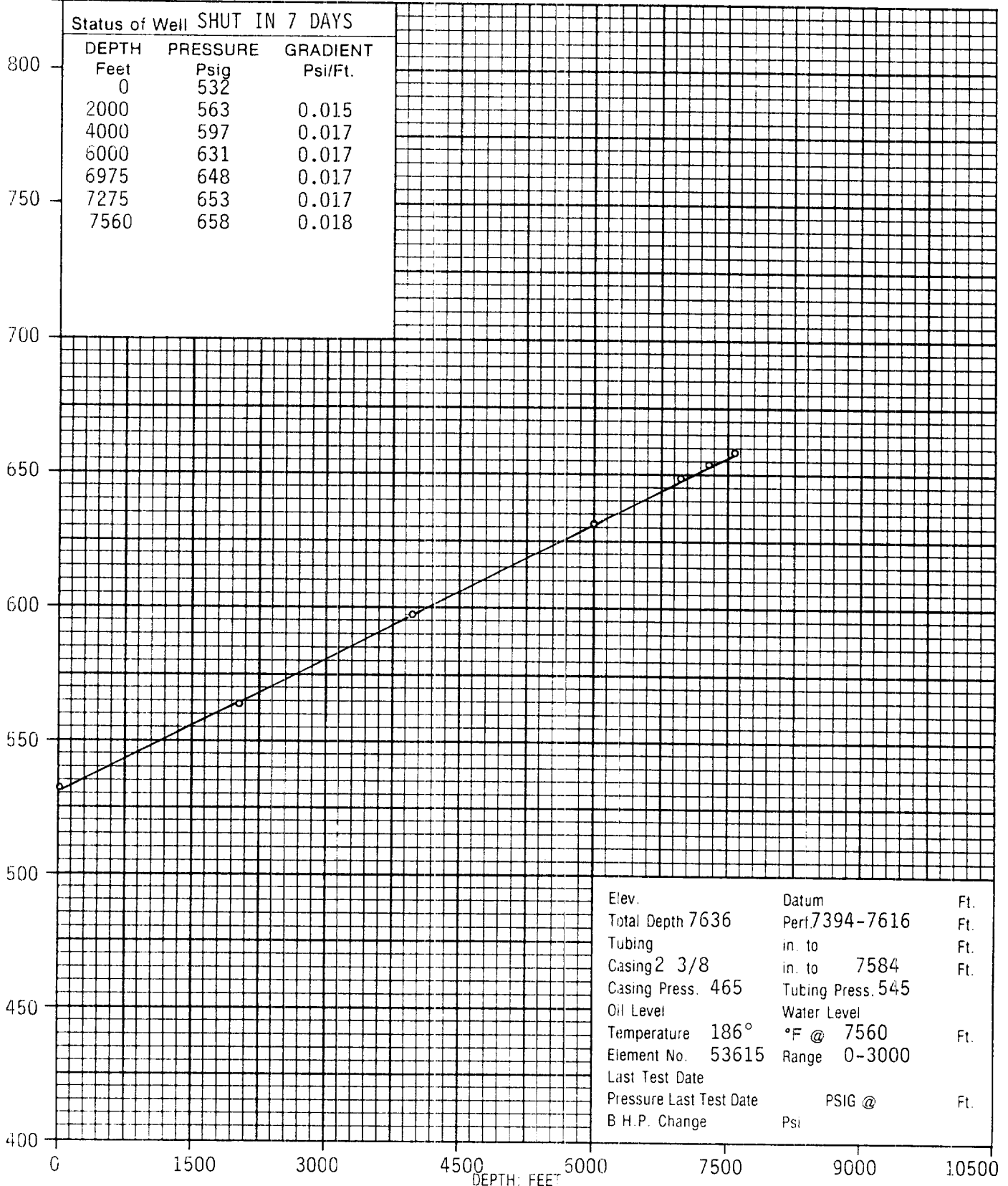
MIDLAND, TEXAS

Company UNOCAL Lease RINCON UNIT Well No. 130
Field SAN JUAN BASIN County RIO ARriba State N.M.
Formation DAKOTA- MESA VERDE Test Date 9-21-93

Status of Well SHUT IN 7 DAYS

DEPTH	PRESSURE	GRADIENT
Feet	Psig	Psi/Ft.
0	532	
2000	563	0.015
4000	597	0.017
6000	631	0.017
6975	648	0.017
7275	653	0.017
7560	658	0.018

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev.	Datum	Ft.
Total Depth 7636	Perf. 7394-7616	Ft.
Tubing	in. to	Ft.
Casing 2 3/8	in. to 7584	Ft.
Casing Press. 465	Tubing Press. 545	
Oil Level	Water Level	
Temperature 186°	°F @ 7560	Ft.
Element No. 53615	Range 0-3000	
Last Test Date		
Pressure Last Test Date	PSIG @	Ft.
B H.P. Change	Psi	

Page 14 of 19

File 2-25399-FL&P

COMPANY UNOCAL LEASE RINCON UNIT WELL NO. 130
FIELD _____ COUNTY RIO ARriba STATE NEW MEXICO
FORMATION MESA VERDE TEST DATE _____ TIME _____

FLUID LEVEL REPORT

WELL DATA

Elevation _____ feet Datum _____ feet subsea Total Depth _____ feet
Perforations 5368-5520 feet Test Depth 5444(MP) feet Packer 6669 feet
Tubing Size 1 1/4 in. to 5517 feet Tubing Pressure 460 psig
Casing Size _____ in. to _____ feet Casing Pressure 465 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 7 days Operator JR-SB Unit No P-204

PRESSURE DATA

	Feet	Gradient Psig/Ft.	Psi
Casing Pressure			465
GAS			
Average Tubing Joints <u>31.5</u> ft. Joints to Fluid <u>169</u> Feet to Fluid.	5324	0.013	69
OIL			
Fluid Column Length _____ ft. % Oil _____ Oil Column Length.			
WATER			
Fluid Column Length <u>120</u> Ft. % Water <u>0.430</u> Water Column Length.	120	0.430	52

PRESSURE AT TEST DEPTH

5444 586
Calculated subsurface pressure at datum depth of 5444 feet subsea is 586 psig
Last Test Date _____ Pressure Last Test _____ psig BHP Change _____ psi
Remarks: _____

After a 7 day SI period:

$$\text{Mesaverde BHP} = 586 \text{ psi @ } 5444'$$

$$\text{Dakota BHP} = 658 \text{ psi @ } 7560'$$

$$\text{Gas Gradient} = 0.017 \text{ psi/ft}$$

Adjusting to a common datum of 5444':

$$\text{Mesaverde BHP} = 586 \text{ psi}$$

$$\text{Dakota BHP} = 658 - [(0.017)(7560 - 5444)] = 622 \text{ psi}$$

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 6/08/93 CHROMATOGRAPHIC GAS ANALYSIS REPORT

MAILEE

94100 UNION OIL COMPANY OF CALIFORNIA
ATTN: SHARON L. MILLER
P.O. BOX 671
MIDLAND, TX 79702-0671

METER NUMBER 72573 - RINCON UNIT NP #130 MV
OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 4/07/93 TYPE CODE 2 - ACTUAL
SAMPLE DATE 4/01/93 H2S GRAINS 0
EFFECTIVE DATE 5/01/93 LOCATION D - DANIELS FM
EFFECTIVE FOR 6 MONTHS

COMPONENTS	NORMALIZED MOL %	GPM
CO2	1.32	.000
H2S	.00	.000
N2	.42	.000
METHANE	84.28	.000
ETHANE	8.54	2.284
PROPANE	3.02	.832
ISO--BUTANE	.67	.219
NORM--BUTANE	.78	.246
ISO--PENTANE	.35	.128
NORM--PENTANE	.20	.072
HEXANE PLUS	.42	.183
	100.00	3.964

SPECIFIC GRAVITY .684

MIXTURE HEATING VALUE
(BTU @ 14.73 DRY) 1175

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) 541-5287

DATE 7/08/92

CHROMATOGRAPHIC GAS ANALYSIS REPORT

MAILEE
94100

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

METER NUMBER 72574 - RINCON UNIT #130 DK
OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 6/14/92
SAMPLE DATE 6/12/92
EFFECTIVE DATE 7/01/92
EFFECTIVE FOR 3 MONTHS

TYPE CODE 2 - ACTUAL
H2S GRAINS 0
LOCATION F - FARMINGTON

COMPONENTS	NORMALIZED MOL. %	GPM
CO2	1.31	.000
H2S	.00	.000
N2	.45	.000
METHANE	85.88	.000
ETHANE	7.42	1.985
PROPANE	2.95	.813
ISO-BUTANE	.54	.177
NORM-BUTANE	.77	.243
ISO-PENTANE	.30	.110
NORM-PENTANE	.19	.069
HEXANE PLUS	<u>.19</u>	<u>.083</u>
	100.00	3.480

RINCON UNIT NO. 130
ALLOCATION FORMULA

<u>GAS PRODUCTION:</u>	Mesaverde Rate	34 MCFD
	Dakota Rate	<u>450</u> MCFD
	Total Rate	<u>484</u> MCFD

Therefore,	Mesaverde	7%
	Dakota	93%

<u>OIL PRODUCTION:</u>	Mesaverde Rate	0.4 BOPD
	Dakota Rate	<u>5.0</u> BOPD
	Total Rate	<u>5.4</u> BOPD

Therefore,	Mesaverde	7%
	Dakota	93%

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

UNOCAL 76

December 30, 1993

Farmington District

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

Dear Sirs:

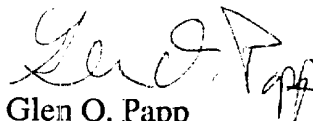
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Rincon Unit No. 130
990' FNL, 990' FEL
Section 32, T27N, R6W
Rio Arriba County, New Mexico

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

UNOCAL 76

December 30, 1993

Farmington District

Caulkins Oil Company
310 North First
Bloomfield, New Mexico 87413

Dear Sirs:

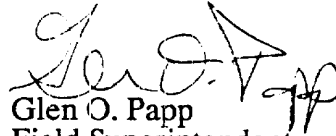
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Sincerely,

Union Oil Company of California
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Glen O. Papp
Field Superintendent

GOP/DLD/df