

Revised 1-10-93 DHC

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

OIL CONSERVATION DIVISION
REC-1450



'93 DEC 20 PM 9 24

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. 135
1160' FNL, 1750' FEL
Section 29, 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

Glen O. Papp

Glen O. Papp
Field Superintendent

Attachments

GOP/DLD/df

OFFSET LEASE OWNERSHIP

R 6 W

19	20	21
30	RINCON UNIT #135 29	28
31	32	CAULKINS 3547 33

T 27 N

Submit 2 copies to Appropriate District Office.

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

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

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator Union Oil Company of California		Pool Blanco Mesaverde/Basin Dakota		County Rio Arriba										
Address 3300 N. Butler, Suite 200, Farmington, NM 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	135	B	29	27N	6W	11/93	F 64/64"	287		24	-0-	0.2	48	240,000
Blanco Mesaverde Basin Dakota						11/93	F 64/64"	286		24	-0-	0.5	111	222,000

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.

Glen O. Papp

Signature

Glen O. Papp

Field Superintendent

Printed name and title

December 17, 1993

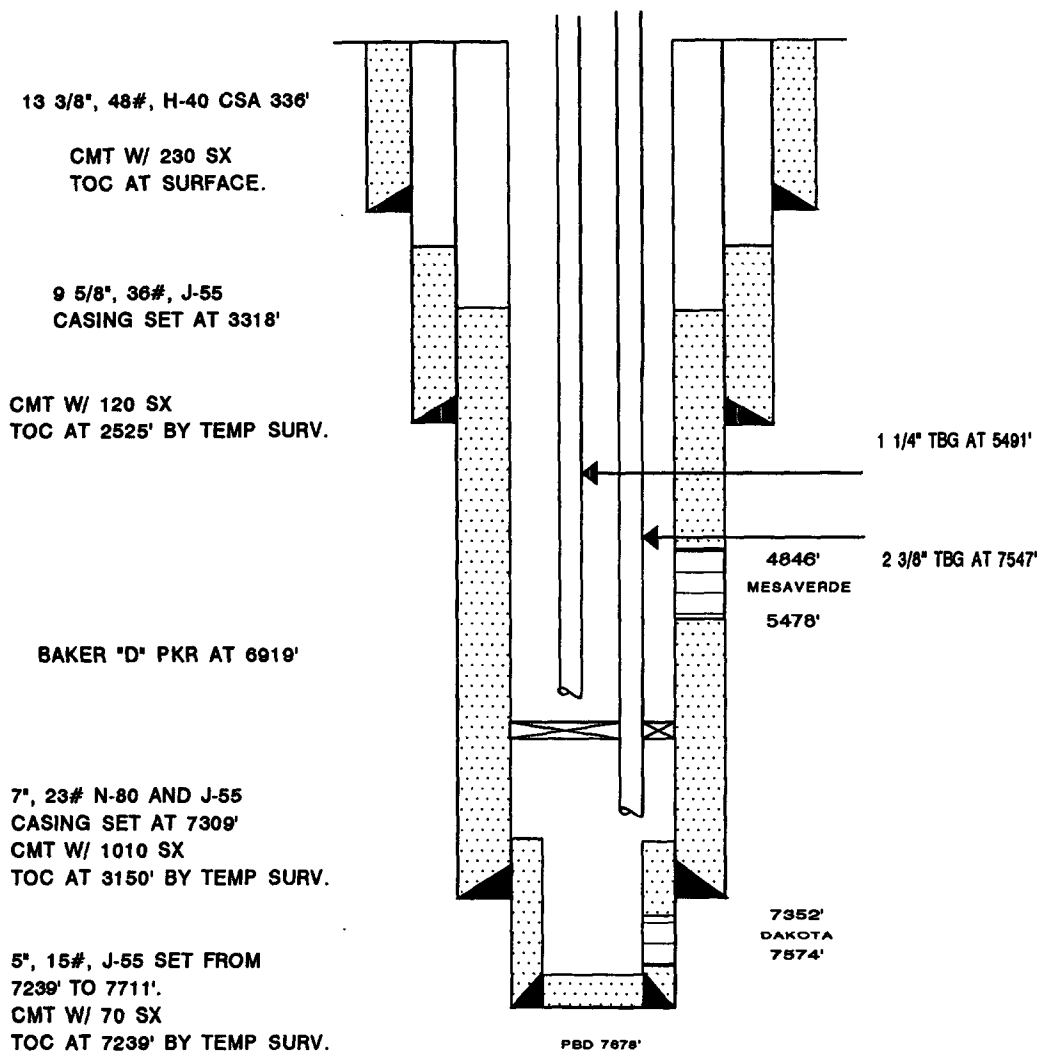
(505)326-7600

Date

Telephone No.

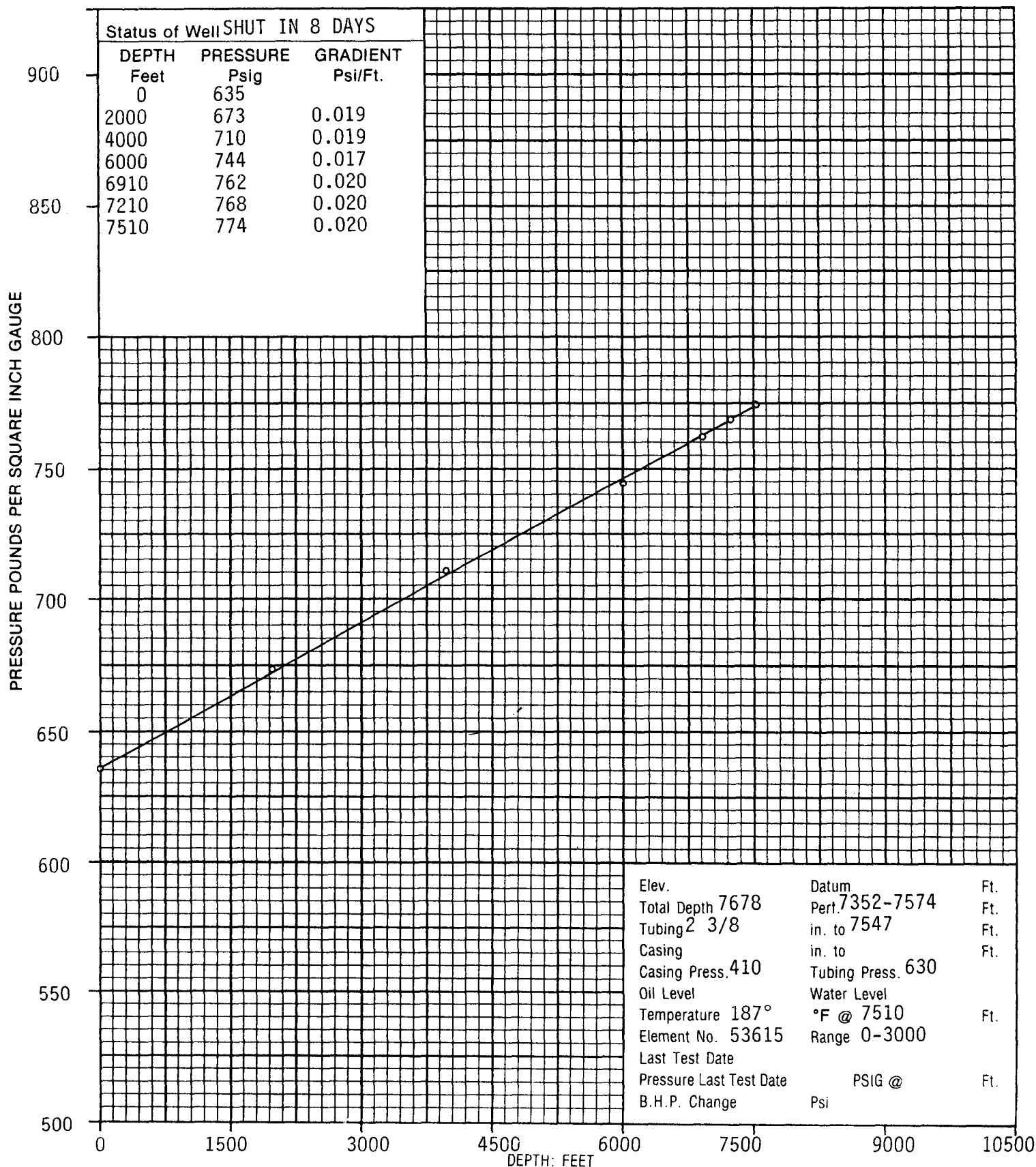
RINCON UNIT #135

1160' FNL, 1750' FEL
SEC. 29, T27N, R6W





Company UNOCAL Lease RINCON UNIT Well No. 135
Field SAN JUAN BASIN County RIO ARRIBA State N. M.
Formation DAKOTA- MESA VERDE Test Date 9-22-93



RINCON UNIT NO. 135

After a 7 day SI period:

$$\text{Mesaverde BHP} = 481 \text{ psi @ } 5491'$$

$$\text{Dakota BHP} = 774 \text{ psi @ } 7510'$$

$$\text{Gas Gradient} = 0.019 \text{ psi/ft}$$

Adjusting to a common datum of 5491':

$$\text{Mesaverde BHP} = 481 \text{ psi}$$

$$\text{Dakota BHP} = 774 - [(0.019)(7510 - 5491)] = 736 \text{ psi}$$

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 72593 - RINCON UNIT #135 MV
OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE 4/26/93 TYPE CODE 2 - ACTUAL
SAMPLE DATE 4/22/93 H2S GRAINS 0
EFFECTIVE DATE 5/01/93 LOCATION D - DANIELS FM
EFFECTIVE FOR 6 MONTHS

COMPONENTS	NORMALIZED MOL %	GPM
CO2	1.10	.000
H2S	.00	.000
N2	.43	.000
METHANE	86.61	.000
ETHANE	6.61	1.768
PROPANE	3.04	.838
ISO-BUTANE	.61	.200
NORM-BUTANE	.72	.227
ISO-PENTANE	.30	.110
NORM-PENTANE	.19	.069
HEXANE PLUS	.39	.170
	100.00	3.382

SPECIFIC GRAVITY .669

MIXTURE HEATING VALUE
(BTU @ 14.73 DRY) 1157

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
CHROMATOGRAPHIC GAS ANALYSIS REPORT

DATE 6/08/92

MAILEE
94100

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

METER NUMBER 72594 - RINCON UNIT #135 DK
OPERATOR 9165 - UNION OIL CO OF CALIF

ANALYSIS DATE	5/02/92	TYPE CODE	2 - ACTUAL
SAMPLE DATE	4/30/92	H2S GRAINS	0
EFFECTIVE DATE	6/01/92	LOCATION	-
EFFECTIVE FOR	6 MONTHS		

COMPONENTS	NORMALIZED MOL %	GPM
CO2	1.34	.000
H2S	.00	.000
N2	.29	.000
METHANE	87.71	.000
ETHANE	6.83	1.827
PROPANE	2.01	.554
ISO-BUTANE	.49	.160
NORM-BUTANE	.57	.180
ISO-PENTANE	.28	.102
NORM-PENTANE	.17	.062
HEXANE PLUS	<u>.31</u>	<u>.135</u>
	100.00	3.020

SPECIFIC GRAVITY .655

MIXTURE HEATING VALUE
(BTU @ 14.73 DRY) 1132

RATIO OF SPECIFIC HEATS .000

NO TEST SECURED FOR H2S CONTENT

RINCON UNIT NO. 135
ALLOCATION FORMULA

<u>GAS PRODUCTION:</u>	Mesaverde Rate	48 MCFD
	Dakota Rate	<u>111</u> MCFD
	Total Rate	<u>159</u> MCFD

Therefore,	Mesaverde	30%
	Dakota	70%

<u>OIL PRODUCTION:</u>	Mesaverde Rate	0.2 BOPD
	Dakota Rate	<u>0.5</u> BOPD
	Total Rate	<u>0.7</u> BOPD

Therefore,	Mesaverde	29%
	Dakota	71%

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

UNOCAL 76

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:

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1160' FNL, 1750' FEL
Section 29, 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 _{ow}

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

Caulkins Oil Company
310 North First
Bloomfield, New Mexico 87413

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
dba UNOCAL

A handwritten signature in dark ink that reads "Glen O. Papp" with a stylized flourish at the end.

Glen O. Papp
Field Superintendent

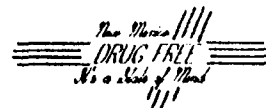
GOP/DLD/df



CONSERVATION DIVISION
ENERGY, MINERALS and NATURAL RESOURCES DIVISION

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6174

93 DEC 27 AM 10 46

Date: 12/21/97

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

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

Proposed DHC 2 _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 12/20/97
for the Unocal OPERATOR Review Unit #135 LEASE & WELL NO.

B-29-27N-6W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

31.8