



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



GARY E. JOHNSON
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JENNIFER A. SALISBURY
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1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 FAX: (505) 334-6170

August 11, 1995

Steven L. Webb
Amoco Production Company
PO Box 800
Denver CO 80201

Re: Lackey B LS #13M C-20-28N-09W 30-045-23888

Dear Mr. Webb:

Your recommended allocation of commingled production to the referenced well is hereby approved as follows:

	Gas	Oil
Otero Chacra	55%	0%
Blanco Mesaverde	33%	100%
Basin Dakota	12%	0%

Sincerely,

Frank T. Chavez
District Supervisor

FTC\sh

cc: well file

1k61s13m

C-20-28-9



30-045-23888

Southern

Rockies

Business

Unit

August 4, 1995

State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RECEIVED
AUG - 7 1995

OIL CON. DIV.
DIST. 3

Attn: Mr. Frank Chavez

Lackey B LS #13M Allocation Data

Amoco Production Company submits the following allocations from production testing of the Lackey B LS #13M. Prior to and during the work we were in contact with Mr. Johnny Robinson to assure agreement in our testing. The proposed allocation factors are:

Otero-Chacra Pool:	Gas 55%	Oil 0%
Blanco Mesaverde Pool (Prorated Gas):	Gas 33%	Oil 100%
Basin Dakota Pool (Prorated Gas):	Gas 12%	Oil 0%

The following describes how the above allocations were established. The production rate from the Dakota was established at 40 MCFD at a flowing pressure of 250 psig from production history. Also, the produced gas was dry with no condensate production. Prior to initiating the work a SITP was measured for the Dakota at 998 psig.

During the recompletion we tested the Mesaverde and Chacra separately. The Mesaverde stabilized after 72 hours at 150 MCFD with a flowing pressure of 10 psig. A 24 hours SITP was measured at 1010 psig. Using these data the productivity index was calculated (assuming a gas gradient of 0.01 psi/ft). The test rate was then recalculated to reflect a 250 psig flowing pressure. The newly calculated rate is 114 MCFD. Condensate production during the testing was almost 1 BPH. This was equivalent to condensate production from the commingled production stream at the end of the work. Therefore, the Mesaverde should be allocated 100% of the oil production from this well.

The Chacra tested at 261 MCFD with a flowing pressure of 18 psig after 48 hours of production. A 24 hour SITP was measured at 860 psig. Utilizing the productivity index methodology described above the test rate was recalculated at 189 MCFD corresponding to a 250 psig flowing pressure. There were no liquids production from the Chacra during the testing.

Test Rates and Allocations

		<u>% of Total</u>		<u>% of Total</u>
Chacra:	189 MCFD	55	0 BCPH	0
Mesaverde	114 MCFD	33	1 BCPH	100
Dakota	40 MCFD	12	0 BCPH	0
Total	343 MCFD		1 BCPH	

Please feel free to contact Steve Webb in our Denver office at (303)830-4206 with any questions you may have regarding the commingling allocations.

Steven L. Webb

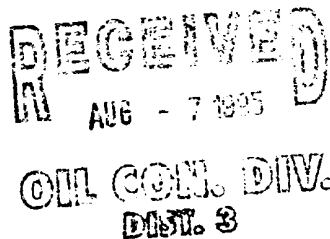
slw/SLW

Unocal Oil & Gas Division
Unocal Corporation
913 West Broadway, P.O. Box 850
Bloomfield, New Mexico 87413
Telephone (505) 632-1811



August 3, 1995

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



RE: Surface Commingling Allocation Percentage

Dear Frank:

Unocal would like to request the attached percentages on the approved blanket surface commingling order #PC-906 for the Rincon Unit #231E DK/MV, dated March 27, 1995. The above well has been completed in the Blanco Mesa Verde/Basin Dakota formations. A 24 hour test was ran beginning on August 1, 1995 on each formation.

Your urgency with this matter would be very much appreciated. Thank you.

Sincerely,
Union Oil Company of California dba Unocal

A handwritten signature in cursive script that reads "R.L. Caine".

R.L. Caine
Production Foreman

Attachment:

RLC/skl

**RINCON UNIT #231E DK/MV PERCENTAGEREQUEST
FOR SURFACE COMMINGLING**

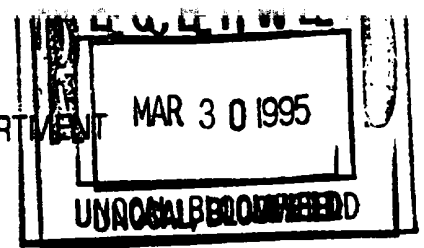
WELL NAME	NO.	FORM.	DATE	RATE FLOWING		CHOKE		RECOMMENDED			
			RAN	MCF/D	TBG. PRESS.	SIZE	BOPD	WATER	GAS %	OIL %	
RINCON UNIT	231E	DK	08/01/95	205	100	PSIG	64/64	13	3	22%	19%
RINCON UNIT	231E	MV	08/01/95	731	100	PSIG	64/64	56	5	78%	81%

BL/sI 8/3/95



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131



COMMINGLING ORDER PC-906

Unocal Oil & Gas Division
P.O. Box 850
Bloomfield, New Mexico 87413

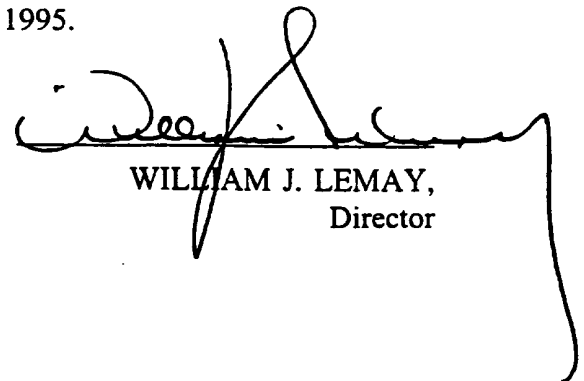
Attention: Brett Liggett

The above-named company is hereby authorized to commingle Blanco Mesaverde and Basin Dakota Pool production from 14 wells described on Exhibit "A" attached hereto, in a common tank battery and to determine the production from each pool by semi-annual well tests. (If this method is to be authorized, all commingled production just be of marginal nature; further the operator shall notify the Santa Fe Office of the Division in the event any well in the commingled battery becomes capable of top allowable production, at which time the Division will amend this order or take such other action as may be appropriate.) Allocations factors for oil and gas production shall also be determined from such tests and adjusted accordingly.

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

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

DONE at Santa Fe, New Mexico, on this 27th day of March, 1995.


WILLIAM J. LEMAY,
Director

WJL/BES

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

EXHIBIT "A"

RINCON UNIT
Wells Approved for Surface Commingling
Blanco Mesaverde and Basin Dakota Pools

Division Order PC-906

<i>Well Number</i>	<i>Location</i>
124A	2025' FNL & 1610' FWL, 34-27N-07W
131E	1145' FSL & 1525' FWL, 36-27N-07W
134E	800' FSL & 800' FEL, 12-26N-07W
149M	1900' FNL & 1365' FWL, 30-27N-06W
166E	1980' FNL & 1980' FWL, 32-27N-06W
176E	1505' FNL & 1850' FWL, 31-27N-06W
178E	1450' FSL & 1450' FEL, 23-27N-07W
185E	1550' FSL & 1505' FEL, 22-27N-07W
193M	1000' FNL & 1190' FWL, 35-27N-07W
227E	800' FSL & 800' FWL, 28-27N-07W
231E	1145' FNL & 790' FWL, 12-26N-07W
303E	1850' FNL & 830' FEL, 33-27N-07W
304	1850' FNL & 1480' FEL, 11-26N-07W
304M	1020' FSL & 795' FEL, 11-26N-07W