



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1376

Unocal Oil & Gas Division
P.O. Box 850
Bloomfield, New Mexico 87413-0850

RECEIVED
OCT 23 1996

Attention: Mr. Brett H. Liggett

OIL CON. DIV.
DIST. 3

*Rincon Unit Well No. 183 (API No. 30-039-06834)
Unit K, Section 31, Township 27 North, Range 6 West, NMPM,
Rio Arriba, New Mexico.
Blanco Mesaverde (Gas - 72319) and
Basin Dakota (Prorated Gas - 71599) Pools*

Dear Mr. Liggett:

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 multiple 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 subject zones is hereby placed in abeyance.

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.

Production from the subject well shall be allocated utilizing the formula as shown on Exhibit 'A' attached hereto.

The allocation method established herein may be altered at some time subsequent to initiating downhole commingling operations upon request by the operator and for good cause shown.

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

Pursuant to Rule 303.H., the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.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 16th day of October, 1996.

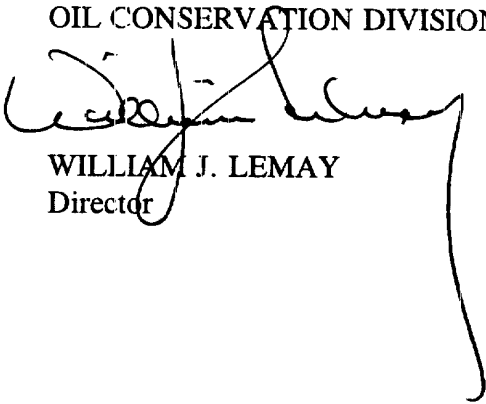
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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/BES

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

EXHIBIT 'A'

To allow for flush production for a period of less than 24 months:

$$Q_{1n} = q_i(e^{-D(t-0.5)})(365/12) \text{ and } Q_{2n} = Q_n - Q_{1n};$$

When: $Q_n < Q_{1n}$;

Then: $Q_{1n} = Q_n(Q_1(n-1)/(Q_1(n-1) + Q_2(n-1)))$ and $Q_{2n} = Q_n(Q_2(n-1)/(Q_1(n-1) + Q_2(n-1)))$;

And to allow for flush production for a period of more than 24 months:

$$Q_{1n} = Q_n(Q_1(24)/(Q_1(24) + Q_2(24))) \text{ and } Q_{2n} = Q_n(Q_2(24)/(Q_1(24) + Q_2(24)));$$

Where:

q_i	Average three month production rate of the existing completion prior to downhole commingling in Mcfd
D	Effective monthly decline rate of the existing completion (1/months)
Q_n	Total commingled production, for the n th month, after n months of commingled production in Mcfd.
Q_{1n}	Total production for the existing completion, for the n th month, after n months of commingled production in Mcfd.
Q_{2n}	Total production for the new completion, for the n th month, after n months of commingled production in Mcfd.
t	Time from beginning of commingled production (months)