

Unocal Oil & Gas Division
Unocal Corporation
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Telephone (505) 632-1811



Tuesday, September 17, 1996

OIL CONSERVATION DIVISION
REC. 110
SEP 17 1996 8 52

Mr. David Catanach
New Mexico Energy , Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Dear Mr. Catanach:

As per our phone conversation on Monday, September 16, 1996 I am amending State Form C-107-A (ref. Unocal, Rincon Unit 183 DK, date: 8/14/96) with the following pressure data:

Bottom Hole Pressure	Upper Zone	Lower Zone
Current	1082 psig	518 psig
Original	1082 psig	3116 psig

Attached to this letter is my file copy of pressure calculations documenting the above data. Thank you for your help in this matter. If you have any question please contact me at (505) 632 - 1811 ext. 14.

Very Truly Yours,
Union Oil of California
d.b.a. UNOCAL


Brett H. Liggett
Production Engineer

KERRI
310 209 2920

UNOCAL 76

PREPARED BY BHL	CHECKED BY —	DATE 9/16	PAGE 1 OF 1
SUBJECT Rincon 183, Bottom hole pressure estimates		W O / A F E. NO File	

Dakota zone - (mature producing)

Original Reservoir Pressure -

12/62 SICP = 2596 psig (Request For Allowable, Authorization to Transport)

Mid perms 7372'

$$P_{wf} = (0.0705 \text{ psi/ft})(7372) + 2596 = \boxed{3116 \text{ psig}}$$

Current Reservoir Pressure -

SICP = 440 psig (9/9-9/15 as Per Aaron Moore, Shutin)
(no fluid in well)

$$P_{wf} = (0.0106 \text{ psi/ft})(7372) + 440 = \boxed{518 \text{ psig}}$$

Mesa Verde zone - (behind pipe, proposed)

Original Reservoir Pressure -

Prior to 1992 infill drilling there were no MV completions in the offset spacings. Therefore the original reservoir pressure should be considered the current pressure, or very close to it.

Current Reservoir Pressure -

The expected behind pipe pressure will be close to that of the Rincon 183E offset drilled in 1994 -

SICP = 950 psig Mid perms 5340' (initial test)

$$P_{wf} = (0.0247 \text{ psi/ft})(5340) + 950 = \boxed{1082 \text{ psig}}$$