Unocal North American
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

July 28, 1992

CERTIFIED RETURN RECEIPT
P-671-272-430

Farmington District

New Mexico Oil Conservation Division
310 Old Santa Fe Trail, Box 2088
Santa Fe, NM 87504-2088
Attn: David Catanach

SUBJECT:
Requesting Approval for
Surface Commingling of
Condensate Production from
Rincon Unit, Well No. 1-E
Sec 30, T-27-N, R-6-W
Rio Arriba County, New Mexico

Union Oil Company of California, dba Unocal, requests permission to surface commingle condensate from its Rincon Unit, Well No. 1-E, Rio Arriba County, New Mexico. The following describes and demonstrates how Unocal proposes to allocate production under the context of BLM Onshore Oil and Gas orders for commingling, and under the New Mexico Oil Conservation Commission Manual for the Installation and Operation of Commingling Facilities.

The Rincon Unit No. 1-E well is a development gas well currently being drilled by Unocal. The well is to be completed as a dual Dakota/Mesa Verde producer; and it is anticipated that it will be ready for pipeline deliveries September 7, 1992.

Unocal is proposing to surface commingle produced fluids from individual separators into a common stock tank (Exhibit No. 1). Royalties will be paid on the liquid volumes sold from the tank.

The proposed location is within existing Dakota and Mesa Verde participating areas within the Rincon Unit (Exhibit No. 2). The lease is a federal lease and it is described in Exhibit No. 3. The royalty in the two formations is the same.

Unocal is requesting from the New Mexico Oil Conservation Division, approval for surface commingling of the produced condensate and the following method for allocating production. Unocal will conduct initial condensate production tests of equivalent time frames for each of the two zones. The condensate produced during the test period from each pool will be used to calculate an average daily rate (Exhibit No. 4, Part 1). Each

month this rate will be multiplied by the days on production, to yield a volume produced for the month (Exhibit No. 4, Part 3). The corrected volumes will be allocated as per Exhibit 4, Part 5. To ensure the accuracy of the allocation factor, Unocal will retest the zones every six months after the initial test.

Should you have any questions or need any additional information to process this request, please feel free to contact me at the above letterhead address or phone.

Very truly yours,

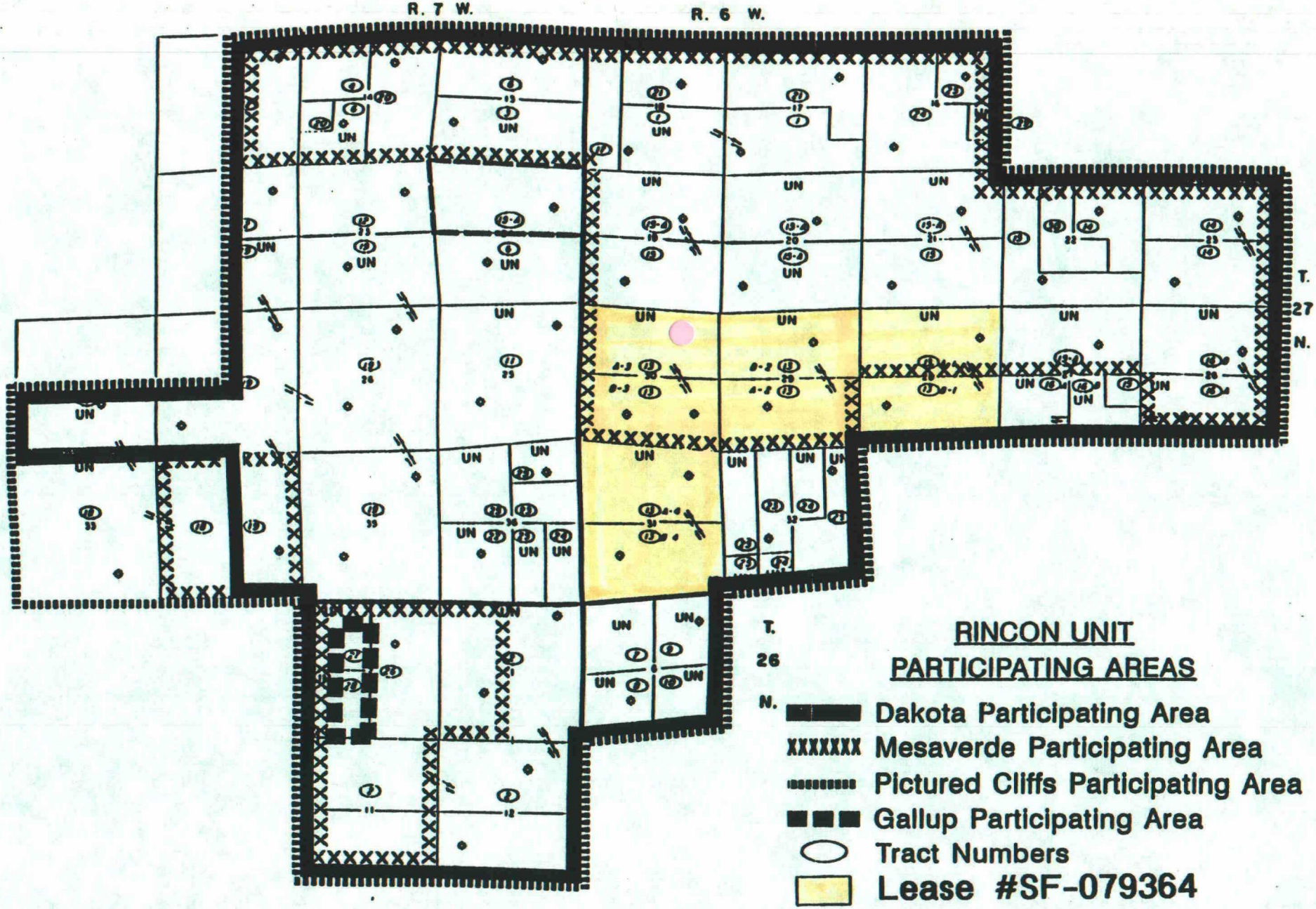
Union Oil Company of California
dba Unocal

Glen O. Papp
District Production Engineer

pmh

cc:NMOCD Aztec Office--Frank Chavez
BLM--Ken Townsend

EXHIBIT No. 2



Rio Arriba County, New Mexico

EXHIBIT No. 1

UNOCAL

CONDENSATE ACCOUNTING SCHEMATIC

RINCON UNIT # 1-E

RIO ARRIBA COUNTY, NEW MEXICO

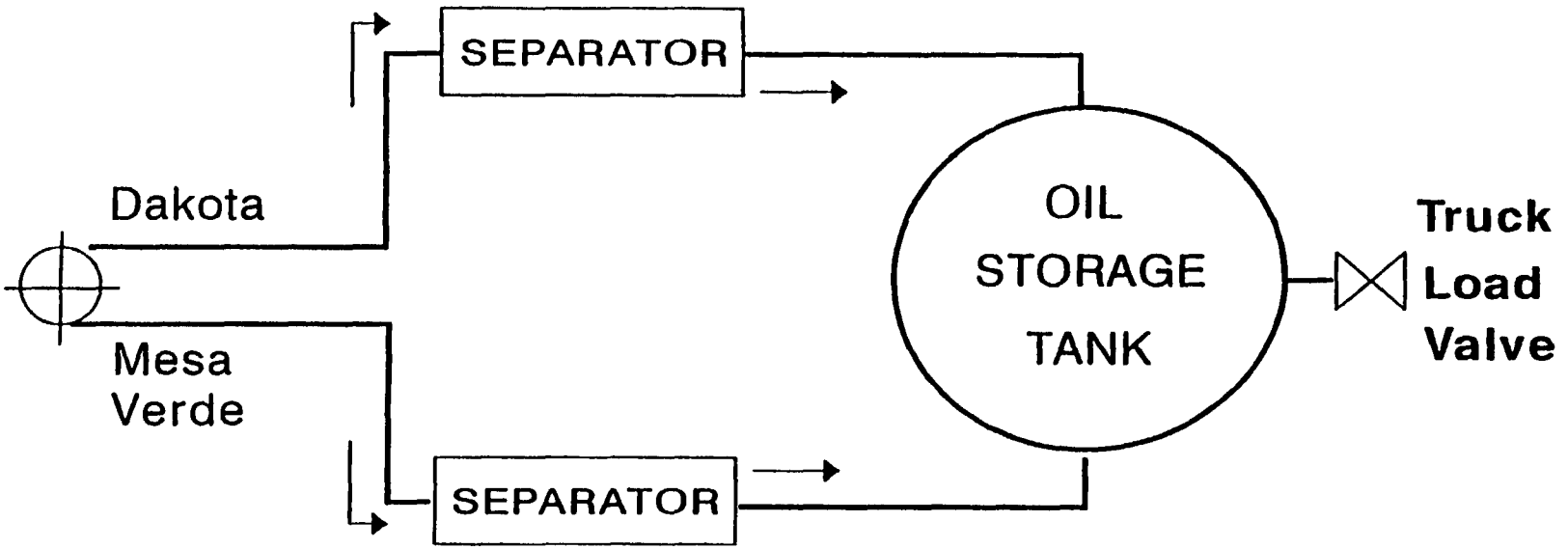


EXHIBIT NO #3
LEASE DISCRIPTION

FEDERAL LEASE	# ACRES	DESCRIPTION
SF – 079364	2605.33	SEC.s 28, 29, 30, & 31

OTHER WELLS ON LEASE # SF – 079364

WELL #	PRODUCING ZONE	LOCATION	WELL STATUS
1	DK	990' FSL, 990' FEL Sec. 30	Producing
4	PC	1529' FSL 990' FEL Sec. 30	Producing
9	PC	1495' FNL 1640' FWL Sec. 31	Producing
19	PC	1650' FNL 990' FWL Sec. 30	Producing
28	PC	1080' FNL 1650' FEL Sec. 29	P & A
48	PC	800' FNL 1500' FEL Sec. 30	Producing
49	PC	1050' FNL 1650' FEL Sec. 31	Producing
50	PC	620' FSL 990' FWL Sec. 31	Producing
61	PC	1058' FNL 1088' FEL Sec. 30	Producing
62	PC	1024' FSL 990' FEL Sec. 28	Producing
127	DK	1190' FNL 890' FEL Sec. 28	Producing
128	DK	1600' FSL 990' FWL Sec. 28	Producing
128	MV	1600' FSL 990' FWL Sec. 28	Producing
129	DK	1650' FSL 1840' FWL Sec. 29	Producing
129	MV	1650' FSL 1840' FWL Sec. 29	Producing
135-A	DK	1840' FNL 870' FWL Sec. 29	Producing
135-A	PC	1840' FNL 870' FWL Sec. 29	Producing
135	DK	1160' FNL 1750' FEL Sec. 29	Producing
135	MV	1160' FNL 1750' FEL Sec. 29	Producing
145	TD	1650' FSL 1040' FEL Sec. 27	Disconnected
149	DK	1100' FSL 1750' FWL Sec. 30	Producing
149	MV	1100' FSL 1750' FWL Sec. 30	Producing
153	PC	890' FNL 890' FEL Sec. 28	Producing
154	PC	1190' FSL 1750' FEL Sec. 30	Producing
163	PC	1180' FSL 800' FWL Sec. 29	Producing
176	DK	990' FNL 1180' FEL Sec. 31	Producing
183	DK	1697' FSL 1460' FWL Sec. 31	Producing
197	PC	1460' FSL 1760' FWL Sec. 28	Producing
251	FC	605' FNL 2385' FWL Sec. 28	Producing
258	FC	1505' FNL 915' FEL Sec. 17	Producing
265	DK	1380' FNL 1842' FEL Sec. 30	Producing

EXHIBIT No. 4

CONDENSATE
ALLOCATION CALCULATIONS

1) Production Test completed on both zones, yields:

Mesa Verde Test Rate = R_1 (BPD)

Dakota Test Rate = R_2 (BPD)

2) Days On / Month

Mesa Verde Days On = A

Dakota Days On = B

3) i) Actual Total Monthly Gauge Volume: G (BPM)

ii) Calculated Individual Volumes:

Mesa Verde = $R_1 \times A$

Dakota = $R_2 \times B$

Total Volume = $R_1(A) + R_2(B)$

4) Allocation Factor (AF):

$$AF = \frac{G}{R_1(A) + R_2(B)}$$

5) Corrected Allocation Volumes:

Mesa Verde = AF x $R_1(A)$

Dakota = AF x $R_2(B)$