

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

6/17/99
Form C-107-A
Revised March 17, 1999
APPROVAL PROCESS:
☒ Administrative ☐ Hearing
EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

UNION OIL COMPANY OF CALIFORNIA (UNOCAL) 1004 N. BIG SPRING, MIDLAND, TX 79702
Operator Address
RINCON UNIT 231E D - 12 - 26N - 7W RIO ARRIBA
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 023708 Property Code 011510 API NO. 30-039-25489 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO MESAVERDE - 72319		BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	4989 - 5056		7075 - 7156
3. Type of production (Oil or Gas)	GAS		GAS
4. Method			

May 21, 1999

Supplemental Data for C-107-A, Rincon Unit Well No. 231E

Well History: The Rincon Unit Well No. 231E was originally completed as a Dakota / Mesaverde surface commingled well in August 1995. Approval to surface commingle was granted by Administrative Order ~~DHC~~ 906 issued March 27, 1995. Unocal plans to add a Pictured Cliffs completion to this well and downhole commingle the Dakota / Mesaverde. This well work is planned for July, 1999.

Allocation of Production: Unocal proposes to use the existing fixed allocation as shown on the C-107A. Production tests have confirmed this allocation percentage and Unocal feels this percentage accurately represents the production capabilities of these two horizons.

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

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Aramis, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-1
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	71599/73219	Basin Dakota/Blanco Mesaverde
Property Code	Property Name	Well Number
011510	RINCON UNIT	231 E
OGRID No.	Operator Name	Elevation
023708	UNOCAL	6440

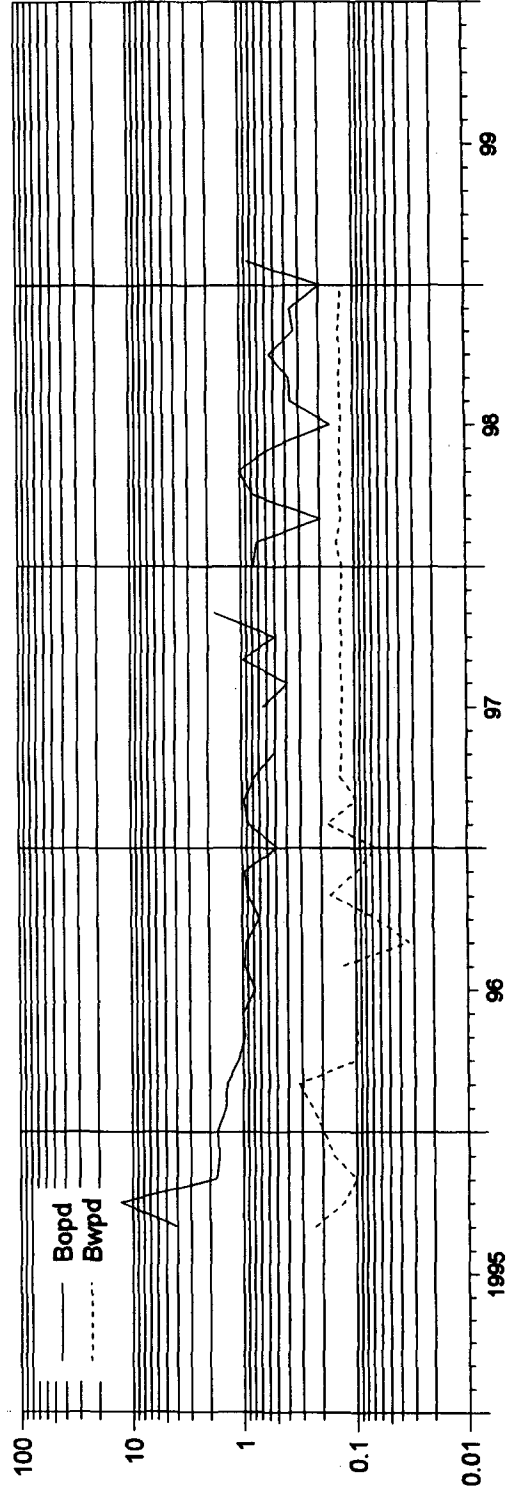
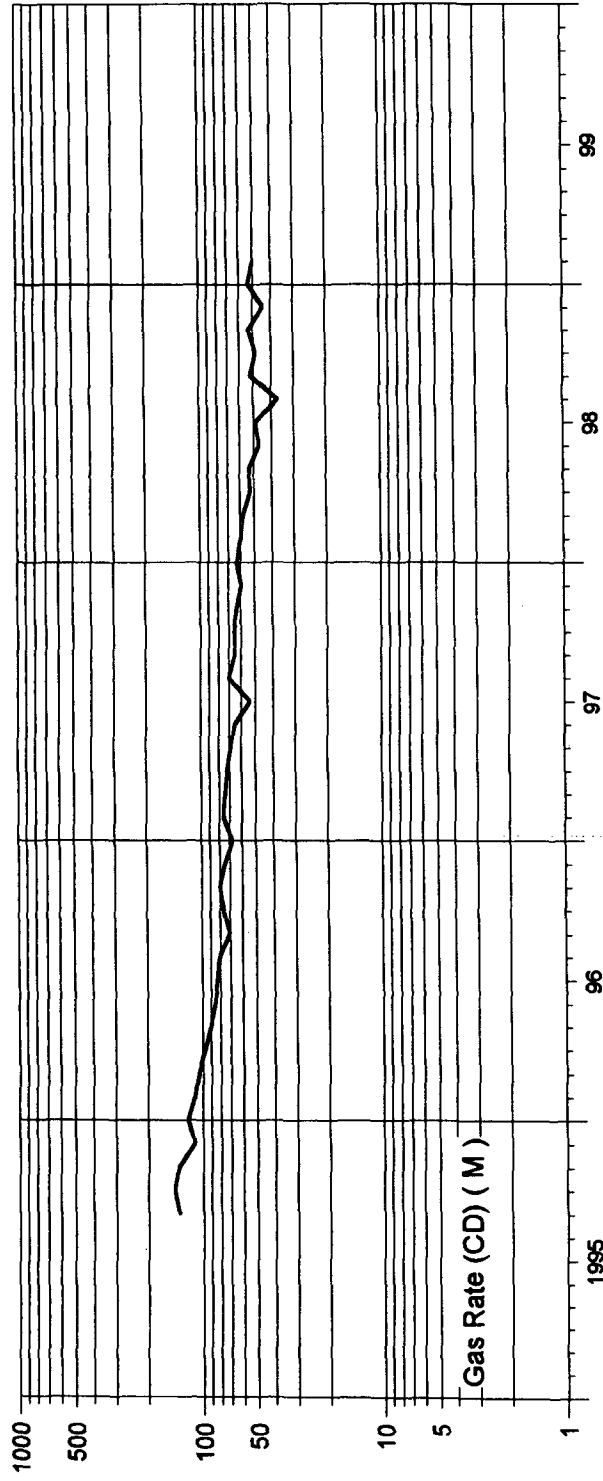
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	12	26N	7W		1145	NORTH	790	WEST	RIO ARRI

UNION OIL COMPANY OF CALIFORNIA

RINCON UNIT 231E:DK

RIO ARRIBA CO., NEW MEXICO



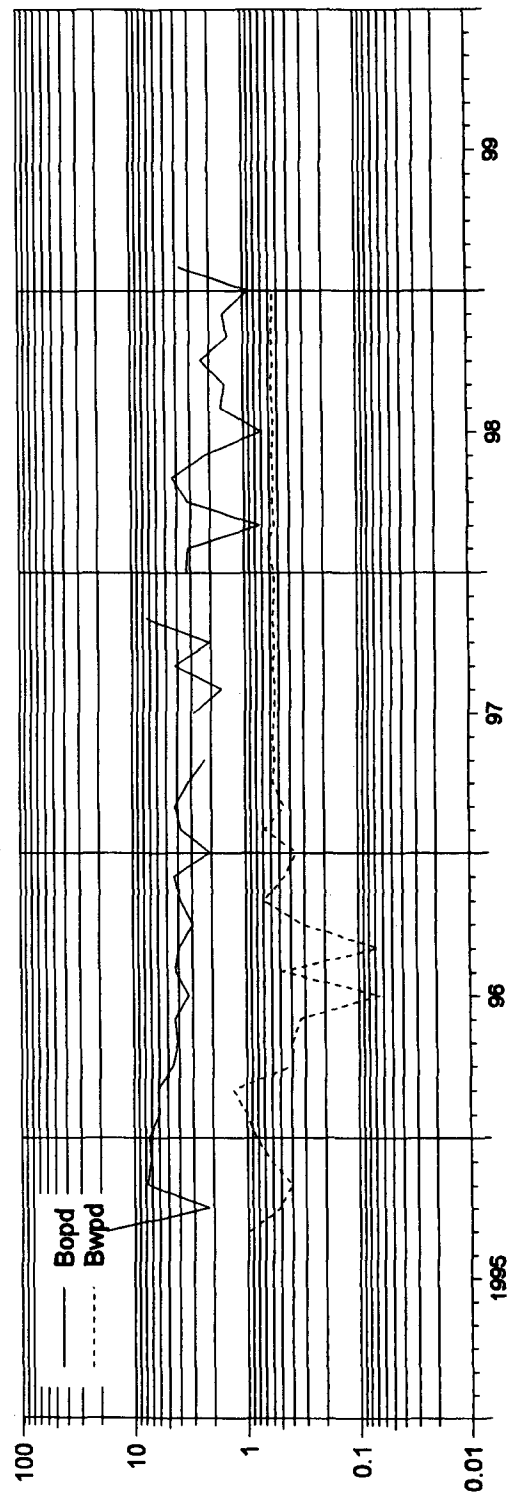
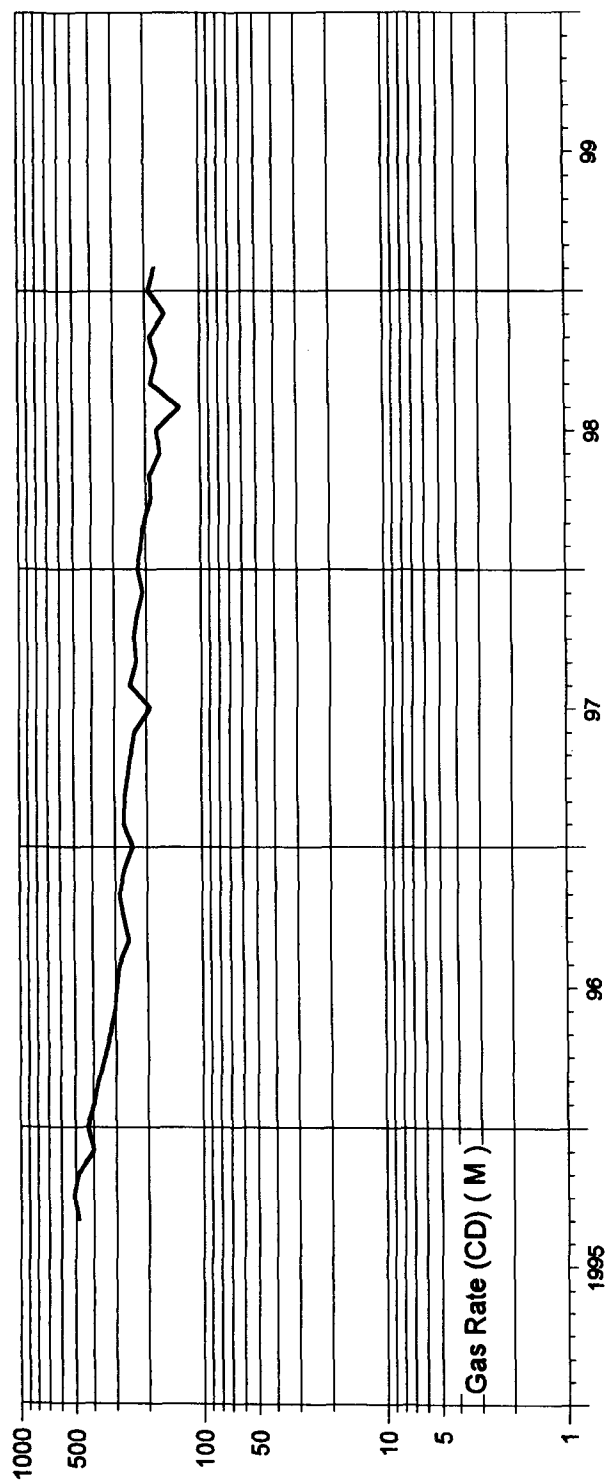
RINCON_UNIT_231E:DK

DATE	GAS VOL PROD Mcf	OIL VOL PROD bbl	WATER VOL PROD bbl	Gas Rate (CD) Mcf/d	Oil Rate (CD) bbl/d	Water Rate (CD) bbl/d	Cum Gas Prod Mcf	Cum Oil Prod bbl
19950901	4071	124	7	136	4.1	0.2	4071	124
19951001	4435	396	4	143	12.8	0.1	8506	520
19951101	4080	53	3	136	1.8	0.1	12586	573
19951201	3440	52	5	111	1.7	0.2	16026	625
19960101	3741	53	6	121	1.7	0.2	19767	678
19960201	3197	41	7	110	1.4	0.2	22964	719
19960301	3248	44	10	105	1.4	0.3	26212	763
19960401	2910	33	3	97	1.1	0.1	29122	796
19960501	2791	30	3	90	1.0	0.1	31913	826
19960601	2557	30						

UNION OIL COMPANY OF CALIFORNIA

RINCON UNIT 231E:MV

RIO ARriba CO., NEW MEXICO



RINCON_UNIT_231E:MV

DATE	GAS VOL PROD Mcf	OIL VOL PROD bbl	WATER VOL PROD bbl	Gas Rate (CD) Mcf/d	Oil Rate (CD) bbl/d	Water Rate (CD) bbl/d	Cum Gas Prod Mcf	Cum Oil Prod bbl
19950901	14437	529	29	481	17.6	1.0	14437	529
19951001	15721	68	16	507	2.2	0.5	30158	597
19951101	14464	228	12	482	7.6	0.4	44622	825
19951201	12216	223	19	394	7.2	0.6	56838	1048
19960101	13267	229	26	428	7.4	0.8	70105	1277
19960201	11338	171	29	391	5.9	1.0	81443	1448
19960301	11517	189	41	372	6.1	1.3	92960	1637
19960401	10317	137	12	344	4.6	0.4	103277	1774
19960501	9899	126	1					

WELL NAME :**RINCON UNIT 231E MESAVERDE**

	ORIGINAL	
Test Date:	Aug-95	
GAS GRAVITY:	0.7	
CONDENSATE (YES=1):	1	
RESERVOIR TEMP:	145	F
SURFACE TEMP:	60	F
DEPTH OF ZONE:	5023	ft
% N2	0.47	
% CO2	0.91	
% H2S	0.00	
Pc =	667.86	
Tc =	381.72	
SURFACE PRESS	1,000	psia
BHP	1,151	psia
Z	0.8727	
BHP/Z	1,319	psia

	CURRENT	
Test Date:	Jun-98	
GAS GRAVITY:	0.7	
CONDENSATE (YES=1):	1	
RESERVOIR TEMP:	145	F
SURFACE TEMP:	60	F
DEPTH OF ZONE:	5023	ft
% N2	0.47	
% CO2	0.912	
% H2S	0.00	
Pc =	667.86	
Tc =	381.72	
SURFACE SITP	300	psia
BHP	339	psia
Z	0.9587	
BHP/Z	354	psia



New Name. Same Spirit.
A Business Unit of Unocal

May 21, 1999

Caulkins Oil Co.
P.O. Box 340
Bloomfield, NM 87413

Gentlemen:

Union Oil Company of California (UNOCAL) has requested from the State of New Mexico Oil Conservation Division, approval to down hole commingle production from the Blanco Mesaverde and Basin Dakota formations in the following Rincon Unit well, Rio Arriba County, New Mexico.

Well	Lease	Legal Location
231E	Federal	1145' FNL, 790' FWL, Nw Sec 12, T26N, R7W

If Caulkins Oil Co., as an offset operator, has an objection to this proposal, please notify NMOCD within twenty days. If you have any questions regarding this application, please contact Heather Dahlgren at 915/685-7665.

Sincerely,

Spirit Energy 76
A Business Unit of UNOCAL

A handwritten signature in black ink, appearing to read "Heather Dahlgren". The signature is fluid and cursive.

Heather Dahlgren
Senior Engineering Technician