



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178 Fax (505) 334-8170

JENNIFER A. SALISBURY
CABINET SECRETARY

ADMINISTRATIVE ORDER RECOMMENDATION

Date: 2/2/96

New Mexico Oil Conservation Division
PO Box 2088
Santa Fe NM 87504-2088

RE: Proposed MC _____
Proposed NSL _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC X _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 2/1/96
for the Thruval Rincon Unit # 170
OPERATOR LEASE & WELL NUMBER
M-20-27N-6W and my recommendations are as follows:
UL-S-T-R

The pressure submitted with this application
do not meet with the qualifications for administrative
approval. Mr. Leggett will re-evaluate and possibly
resubmit the application

Yours truly,

35.8



Monday, January 29, 1996

Certified Receipt No. Z 407 288 662

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

RECEIVED
FEB - 1 1996
OIL CON. DIV.
DIST. 3

CC:
New Mexico Oil Conservation Division
Attn.: Mr. William J. LeMay
PO Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Chavez:

Union Oil Company of California d.b.a. UNOCAL requests approval to down-hole commingle hydrocarbon production from the Blanco Mesa Verde and Basin Dakota formations in the following Rincon Unit well, Rio Arriba County, New Mexico.

Well	Legal Location
Rincon Unit 170	990' FSL, 790' FWL, S20, T27N, R6W

a UNOCAL operated well located on Federal acreage.

This well was drilled and completed, with 4-1/2" casing, in September, 1962 in the Dakota formation. The Dakota is currently producing 100 Mcfd gas and a trace of oil. UNOCAL proposes to perforate, stimulate with a hydraulic fracture and isolate and test (w/ a production packer and 2-3/8" tubing) oil, gas and water production from the Mesa Verde formation. If production from the Mesa Verde is deemed economical, the Mesa Verde would be downhole

commingled with the Dakota. Allocation factors will be calculated from the Mesa Verde test and the Dakota's historical production.

Mesa Verde reserves in this acreage would be developed most economically if this well were granted downhole commingle approval. Approval prior to completion is being sought because production casing size will not support running of dual production strings. Drilling a replacement well of larger casing size or a stand alone Mesa Verde well is not economical at this time.

One week shut-in surface pressures from off-set Mesa Verde wells were obtained in October, 1995 as follows-

<u>WELL</u>	<u>Location</u>	<u>SICP (psig)</u>
135A MV	NW, S29, T27N, R6W	200
108A MV	SE, S19, T27N, R6W	200
170 DK	SW, S20, T27N, R6W	570

UNOCAL is confident that production will not be wasted and the proposed method of completion will efficiently drain Dakota and Mesa Verde acreage around this wellbore. Royalty interests between zones are identical.

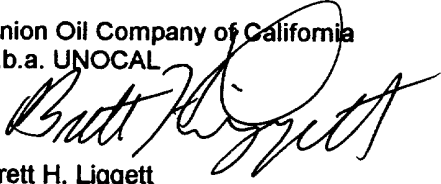
Attachments:

- 1) Current well bore schematic.
- 2) Oil and gas production curves.
- 3) Lease map showing well locations for offset pressure data and offset lease operators.
- 4) Letters to offset operators stating UNOCAL's proposal.

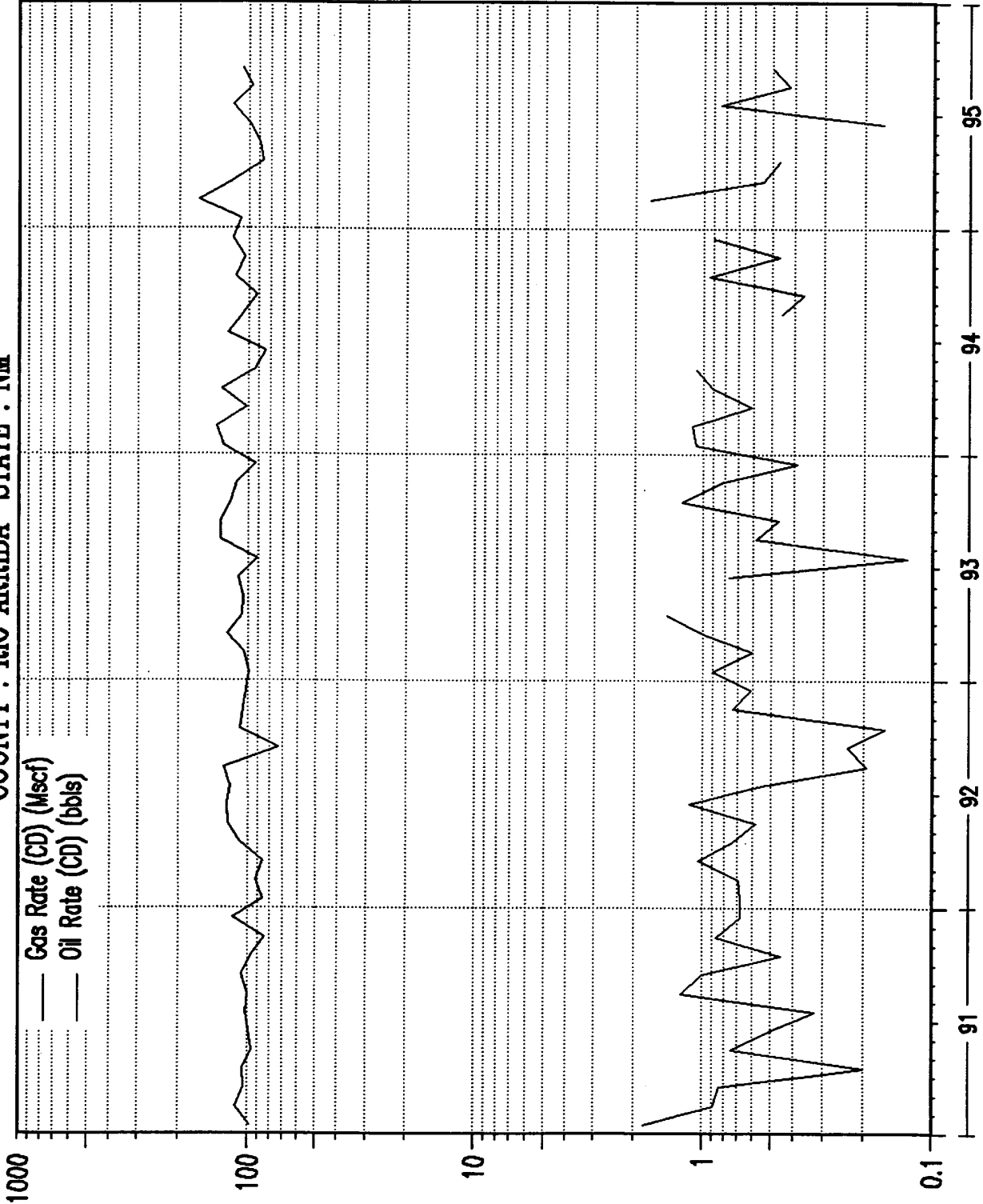
If you have any questions regarding this proposal please contact me at (505) 632 - 1811 #14.

Sincerely,

Union Oil Company of California
d.b.a. UNOCAL


Brett H. Liggett
Production Engineer

WELL: RINCON UNIT 170:DK
SECTION : 20 TOWN : 27N RANGE : 06W
COUNTY : RIO ARriba STATE : NM



UNOCAL
ROCKY MOUNTAIN ASSET GROUP

③

WELL: RINCON UNIT #170

LOCATION: 990' FSL 790' FWL Sec. 20 T27N R6W SW SW

COUNTY: Rio Arriba

STATE: NM

PRODUCING FORMATION: Dakota

SPUD DATE: 7/27/62
COMPL DATE: 9/25/62
RECOMPL DATE: -----

Elevation = 6513'

KB = 12'

Updated: 1/3/96

By: H. Dahlgren

9-5/8", 32.3# H-40 @ 326'
Cmt w/ 210 sxs, Circ. to Surface

TOC
@ 2400'
by TS

DV Tool
@ 3184'

TOC
@ 4590'
by TS

DV Tool
@ 5573'

TOC
@ 6840'
by TS

PBTD
@ 7505'

246 Jts., 2-3/8" EUE 8rd, 4.7# J-55 FHD @ 7468'
(9/14/62)
30.66' 1 jt., 2 3/8" 4.7# J-55 EUE 8rd tbg
3.45' Perf joint & SN
7421.62' 245 jts., 2 3/8" 4.7# J-55 EUE 8rd tbg
7455.73' Total
12.00' BKDB
7467.73' FHD

Dakota perms: 7282-7488

7280 2 holes sqz. 35 sxs
7282-86, 7296-7300, w/ 3 spf

7350 2 holes sqz. 25 sxs

7408-18, 7454-60, 7482-88 w/ 2 spf

Frac w/ 51,000 gal wtr, 60,000# sand

Sqz. 7526-34, 7546-50 w/ 75 sxs

4-1/2", 11.6 & 10.5#, J-55 @ 7561'

TD = 7561' Cmt w/ 150 sxs 1st stg., 225 sxs 2nd stg., 210 sxs 3rd stg.

DHC

RU170

UNOCAL, RINCON UNIT, T27N R6W

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
 108A	 170				
 135A					
 133E		OPERATOR: CAULKINS OIL CO.	OPERATOR: CAULKINS OIL CO.		

UNIT BOUNDARY

UNOCAL, RINCON UNIT, T26N R7W

6	5	4	3	2	1
	OPERATOR: LOUIS DRYDEN CORP	OPERATOR: CENTRAL RESOURCES INC. UNIVERSAL RESOURCES INC.	OPERATOR: CENTRAL RESOURCES INC. UNIVERSAL RESOURCES INC.		
7	8	9	10	11	12
					 231E
			OPERATOR: CENTRAL RESOURCES INC. UNIVERSAL RESOURCES INC.		 134
18	17	16	15	14	13
			OPERATOR: LOUIS DRYDEN CORP SMITH OIL CO.	OPERATOR: CALUMS OIL CO.	OPERATOR: CALUMS OIL CO.
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

UNIT BOUNDARY

UNOCAL, RINCON UNIT, T27N R7W

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24 OPERATOR: MERIDIAN OIL CO.
30	29	28	27	26	25
31	32	33	34 124	35	36
	OPERATOR: AMOCO		 233		 168E
	OPERATOR: AMERICAN OIL CO.				

UNIT BOUNDARY

UNOCAL, RINCON UNIT, T26N R6W

 150E	6	5	4	3	2	1
		OPERATOR: CALUMNE OIL CO.	OPERATOR: CALUMNE OIL CO.			
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

UNIT BOUNDARY

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



Monday, January 29, 1996

United State Department of the Interior
Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

Greetings:

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 Mesa Verde and Basin Dakota formations in the following Rincon Unit well, Rio Arriba County, New Mexico.

Well	Legal Location
Rincon Unit 170	990' FSL, 790' FWL, S20, T27N, R6W

Attached for Bureau of Land Management review is this proposal. If there are any objections to the proposed action, please notify NMOCD within twenty days. If you have any questions regarding this application, please contact me at (505) 532-1811 ext. 14.

Sincerely,

Union Oil Company of California
d.b.a. UNOCAL

Brett H. Liggett
Production Engineer