Rand Carroll
Oil Conservation Division
2040 S Pacheco
Santa Fe NM 87505

RE: A. P. A.

Santa Fe-Barbs #1 M 10-21N-10W	API # 30-045-23227	$7500. Bond
Santa Fe-Leggs #2 N 11-21N-10W	API # 30-045-23027	$7500. Bond
Santa Fe-Leggs #1 O 11-21N-10W	API # 30-045-22633	$7500. NO Bond

Dear Rand:

We sent a letter on June 5, 1997 directing APA Development Corp. to flle plans to bring these wellls into compliance within 30 days. We have had no response from the operator as to his intentions for the wells.

Please docket a case calling APA Development Corp. First National Bank of Farmington and all other interested parties to appear and show cause why the above listed wells should not be plugged and abandoned according to a Division approved plugging and restoration program.

Protection of fresh water and prevention of communication between zones is a concern due to the deteriorating wellbore conditions. These wells need to be plugged as soon as possible.

I have enclosed an approved plug and abandonment procedure for each well.
If there is any other paper work needed please feel free to contact me at 334-6178 ext, 16.

Sincerely,

Charlie T. Perrin
Deputy Oil and Gas Inspector

CP/mk

cc: well files

enc

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1995

V-5

Form C-122-A
Revised 10-1-78

POOL NAME	POOL SLOPE	FORMATION	COUNTY
BASIN	n = .75	DAKOTA	RIO ARRIBA

14555

COMPANY			WELL NAME AND NUMBER		
UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL			RINCON UNIT #176E (DK)		
UNIT LETTER	SECTION	TOWN SHIP	RANGE	PURCHASING PIPE LINE	
F	31	27N	6W	EL PASO NATURAL GAS COMPANY	
CASING O.D. – INCHES	CASING I.D. – INCHES	SET AT DEPTH – FEET	TUBING O.D. – INCHES	TUBING I.D. – INCHES	TOP – TUBING PERF. – FEET
7.000	6.969	7599'	2.375	1.995	7543'
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY & LENGTH
FROM 7321' TO 7518'		CASING	TUBING X	.794	5989'
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM DEC. 12 TO DEC. 18			OCTOBER 31, 1995		

PRESSURE DATA – ALL PRESSURE IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c – Item d)	(f) Friction Loss (a – c) or (b – c)	(g) Average Meter Pressure (integr.)
PKR	202	87	84	3	115	52
(h) Corrected Meter Pressure (g + e)	**(i) Avg. Wellhead Press. P_t = (h + f)**	**(j) Shut-In Casing Pressure (DWt)**	**(k) Shut-In Tubing Pressure (DWt)**	**(l) P_o = Higher Value of (j) or (k)**	**(m) Del. Pressure P_d = 40 % P_o**	**(n) Separator or De-hydrator Pr. (DWt) for critical flow only**
55	170		1262	1262	505	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volumes – MCF/D	Quotient of Item c / Item d	$\sqrt{\text{Item c} / \text{Item d}}$	Corrected Volume
370	1.0357	1.0177	Q = 377 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$	$(F_e Q_m)^2 (10\,00)$	$R^2 = (1 - e^{-s})(F_e Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.353	12564	4435	28900	33335	183

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_t^2}{P_c^2 - P_w^2}\right]^n = 377 \left[\frac{1337619}{1559309}\right]^{.8578} = .8913 = 336 \text{ MCF/D}$$

REMARKS:

INITIAL AND ANNUAL - 1ST DELIVERED AND SURFACE COMMINGLED 10/31/95.

SUMMARY

Item h	55	Psia
P_c	1262	Psia
Q	377	MCF/d
P_w	183	Psia
P_t	505	Psia
D	336	MCF/D

Company UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL

By R.L. Caine

Title Production Foreman

Witnessed By

Company

API #30-039-25490

RECEIVED
JAN 31 1996
OIL CON. DIV.
DIST. 3

RLC/skl