

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 file plans to bring these wells 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 19 95**

V 4

Form G 122-A
Revised 10-1-78

POOL NAME BASIN	POOL SLOPE n = .75	FORMATION DAKOTA	COUNTY RIO ARRIBA
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74937

COMPANY UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL			WELL NAME AND NUMBER RINCON UNIT #149 (DK)		
UNIT LETTER N	SECTION 30	TOWN SHIP 27N	RANGE 6W	PURCHASING PIPELINE EL PASO NATURAL GAS COMPANY	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.408	SET AT DEPTH - FEET 7651'	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7432'
GAS PAY ZONE FROM 7320' TO 7534'		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .687	GRAVITY & LENGTH 5106'
DATE OF FLOW TEST FROM JAN. 03 TO JAN. 10			DATE SHUT-IN PRESSURE MEASURED OCTOBER 10, 1995		

PRESSURE DATA - ALL PRESSURE IN PSIA

(a) Flowing Casing Pressure (DWt) PKR	(b) Flowing Tubing Pressure (DWt) 197	(c) Flowing Meter Pressure (DWt) 70	(d) Flow Chart Static Reading 67	(e) Meter Error (Item c - Item d) 3	(f) Friction Loss (a - c) or (b - c) 127	(g) Average Meter Pressure (integr.) 68
(h) Corrected Meter Pressure (g + e) 71	(i) Avg. Wellhead Press. P _w = (h + i) 198	(j) Shut-in Casing Pressure (DWt) PKR	(k) Shut-in Tubing Pressure (DWt) 402	(l) P ₀ = higher value of (j) or (k) 402	(m) Del. Pressure P _d = 40 % P _w 161	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volumes - MCF/D 250	Item c Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0448	$\frac{\text{Item c}}{\text{Item d}}$ 1.0221	Corrected Volume Q = 256 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-S})$.310	$(F_c Q_m)^2 (1000)$ 5793	$R^2 = (1 - e^{-S}) (F_c Q_m)^2 (1000)$ 1796	P_t^2 39204	$P_w^2 = P_t^2 + R^2$ 41000	$P_w = \sqrt{P_w^2}$ 202
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DELIVERABILITY CALCULATION

$U = Q \left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right]^n$ 256	$\left[\frac{135683}{120604} \right]^n$	$\left[\frac{1.1250}{1.0924} \right]^n$	280 MCF/D
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REMARKS:

1995 INITIAL AND ANNUAL - PARENT WELL

RECEIVED
OCT 23 1995

OIL CON. DIV.
DIS. 3

SUMMARY

Item h	<u>71</u>	Psia
P ₀	<u>402</u>	Psia
Q	<u>256</u>	MCF/d
P _w	<u>202</u>	Psia
P _d	<u>161</u>	Psia
D	<u>280</u>	MCF/D

Company UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL
By R.L. Caine
Title Production Foreman
Witnessed By _____
Company _____

API #30-039-06868