



CONTINENTAL OIL COMPANY

P. O. Box 460
HOBBS, NEW MEXICO 88240

PRODUCTION DEPARTMENT
HOBBS DIVISION
L. P. THOMPSON
Division Manager
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Assistant Division Manager

1001 NORTH TURNER
TELEPHONE 393-4141

NOV 21 1969

November 21, 1969

New Mexico Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico

Attention Mr. A. L. Porter, Jr., Secretary-Director

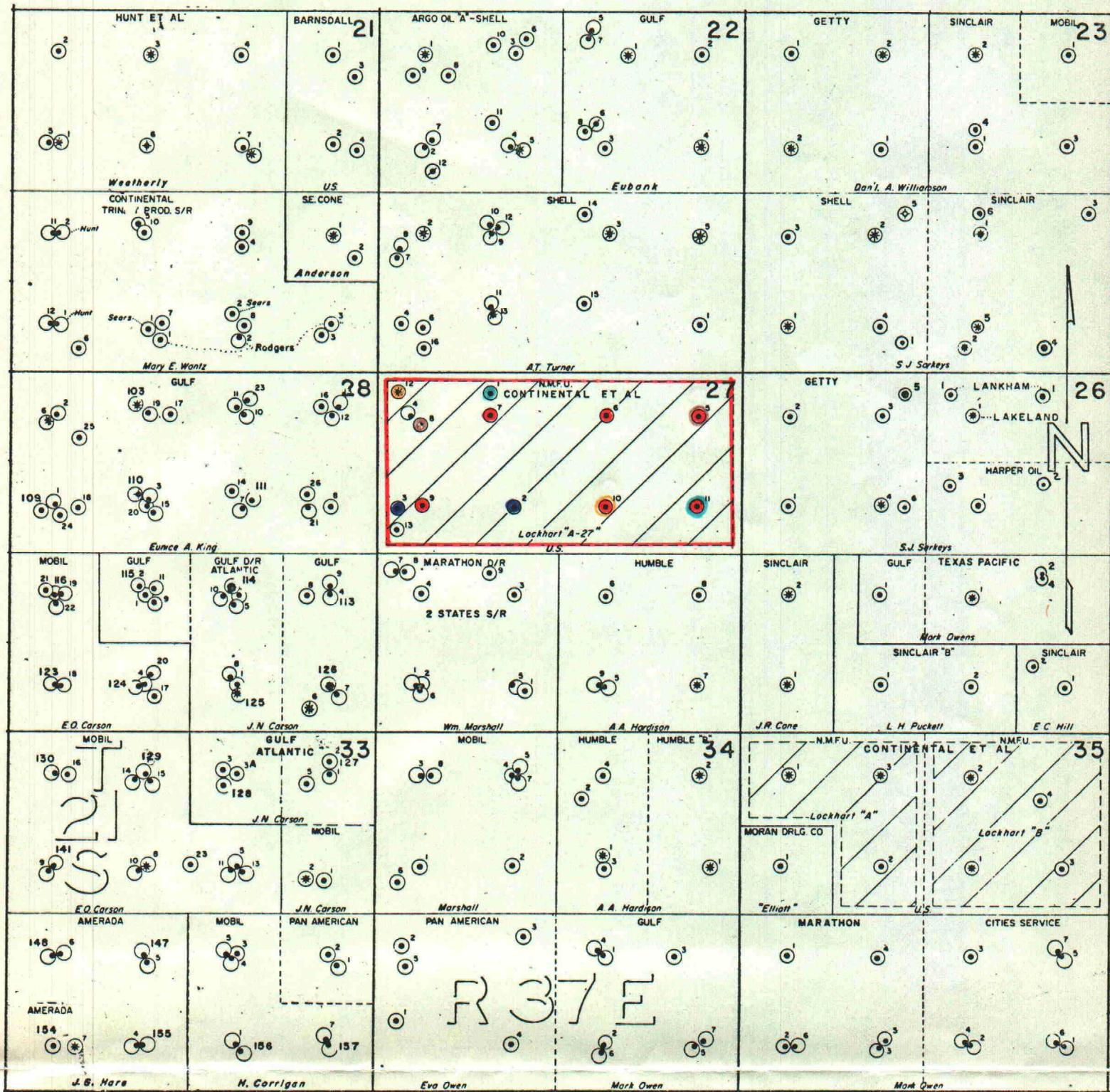
Gentlemen:

Subject: Amendment to Administrative Order PC-256
Lockhart A-27 Lease, Lea County, New Mexico

Administrative Order PC-256 dated March 12, 1965, authorized the commingling on the Lockhart A-27 Lease of the oil produced from the Drinkard and Blinebry oil pools with gas well liquids produced from the Tubb and Blinebry gas pools. Continental Oil Company has now completed two wells in the Wantz Abo oil pool and hereby requests authority to commingle production from this pool with the hydrocarbon liquids already commingled on the lease.

The attached plat shows the location of wells and the pools from which they produce. The attached schematic diagram shows the method by which the commingling is proposed to be accomplished. Production from the Wantz Abo is below top allowable, as is production from the Blinebry oil pool. The Drinkard Pool contains top allowable (high gas-oil ratio) wells. Consequently, we propose to meter production from the Drinkard, Tubb gas, and Blinebry gas pools and allocate production to the Blinebry oil and Wantz Abo oil pools by subtraction and on the basis of monthly well tests. The attached tabulation shows the current well test data on the wells and the indicated value of production prior to commingling and after commingling. In addition to the slight increase indicated, a savings in volume and gravity is anticipated as a result of commingling the production which will reduce the amount of storage time.

It is respectfully requested that Administrative Order PC-256 be amended to permit the commingling of the Wantz Abo Pool production from the Lockhart A-27 Lease with the liquid hydrocarbons already authorized



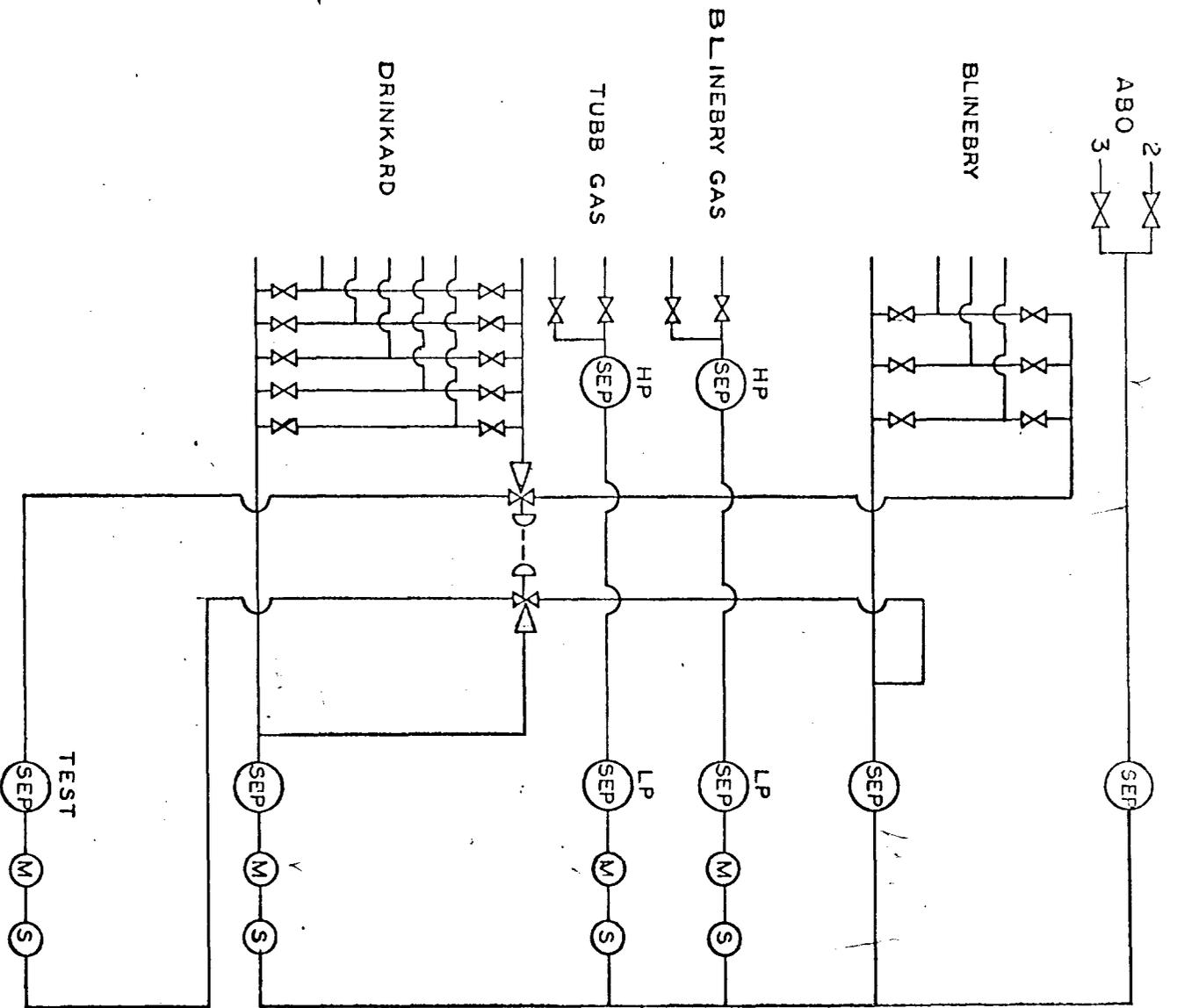
LEGEND

- Tubb Gas
- Blinebry Gas
- Drinkard Oil
- Blinebry Oil
- Abo Oil

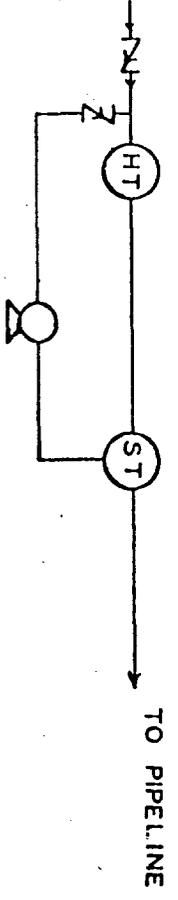
CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DIVISION

LOCATION PLAT
 LOCKHART A-27 LEASE
 LEA COUNTY, NEW MEXICO

Scale: 1" = 2000'



NOTE: Abo Production to be added to existing system shown below.



CONTINENTAL OIL COMPANY
 LOCKHART A-27 LEASE

CONTINENTAL OIL COMPANY

LOCKHART A-27 LEASE

TABLE OF WELL TEST DATA

<u>Well</u>	<u>Date</u>	<u>BO</u>	<u>Water</u>	<u>Gas</u>	<u>GOR</u>
#1 Blinebry	10-14-69	2	0	50	25,000
#11 Blinebry	9-4-69	21	0	273	13,000
#5 Drinkard	10-1-69	3	0	605	201,667
#6 Drinkard	10-5-69	1	0	51	51,000
#7 Drinkard	10-7-69	4	1	39	9,750
#9 Drinkard	10-11-69	4	1	217	54,250
#10 Drinkard	10-12-69	5	0	66	13,200
#11 Drinkard	10-3-69	3	0	692	230,667
#2 Abo	10-17-69	9	0	15	1,667
#3 Abo	10-25-69	12	1	179	14,950
#5) Blinebry	8&9-1969	4			
#8) distillate					
#10) Tubb	8&9-1969	2			
#12) distillate					

Calculation of values based on Daily Average Production September 1969.

<u>Segregated</u>	<u>B/D</u>	<u>API</u>	<u>Value</u>	<u>\$/day</u>
Blinebry, Drinkard, etc. commingled zones	40	38.7	3.32	\$132.80
Abo	45	34.4	3.24	\$145.80
				<u>\$278.60</u>
<u>Commingled</u>				
All zones	35	36.4	3.23	\$278.80



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

NEW MEXICO HOBBS DIVISION	
NOV 18 1969	
Div. Manager	<i>[Signature]</i>
Asst. Div. Mgr.	<i>[Signature]</i>
Div. Engr.	<i>[Signature]</i>
Div. Comm. Mgr.	<i>[Signature]</i>
November 18, 1969	

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Attention: Mr. G. C. Jamieson

Gentlemen:

Your letter of November 12 requests approval to modify the commingling system approved by our letter of February 23, 1965, lease Las Cruces 032096(a). You now propose to commingle Wantz Abo pool oil production with presently commingled Blinebry pool oil, Drinkard pool oil, Tubb gas pool condensate, and Blinebry gas pool condensate in the N $\frac{1}{2}$ sec. 27, T. 21 S., R. 37 E., Lea County, New Mexico.

The system for commingling described in your letter and attachments thereto is hereby approved subject to like approval by the New Mexico Oil Conservation Commission.

Please notify our Hobbs office when the installation is completed so that a field inspection of the system can be made.

Sincerely yours,

[Signature]
JOHN A. ANDERSON
Regional Oil and Gas Supervisor