



SHELL OIL COMPANY

P. O. BOX 1810
MIDLAND, TEXAS 79701

September 1, 1970

Subject: Application for Downhole Commingling
Livingston No. 10
Drinkard Field, Section 4, T-21-S,
R-37-E, Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

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

Gentlemen:

Shell Oil Company respectfully requests administrative approval under provisions of Order No. R-3845 to commingle in the wellbore production from the Blinebry and Drinkard pools in its Livingston No. 10, located in the Lot 14 of Section 4, T-21-S, R-37-E, Lea County, New Mexico. This dual completion was authorized by Administrative Order No. MC1109 dated November 2, 1961. The attached plat depicts the Livingston lease as outlined in red and the No. 10 well as indicated by the red circle.

The attached Form C-116 shows the results of production tests taken within the last thirty days on both the Blinebry and Drinkard Zones. The upper Blinebry Zone is currently produced by plunger lift and the lower Drinkard Zone is produced by intermittent flow up 2-1/16" OD tubing. The Static bottom hole pressures are estimated at 800 and 900 psi for the Blinebry and Drinkard Zones, respectively.

The attached production curves depict the production history for each zone and an estimate of future performance as shown by the dashed line. We propose to allocate production from each zone by means of this curve extension.

Production from the Blinebry and Drinkard formations has been commingled at the tank battery for a number of years with no indication of fluid incompatibility. Since the crudes are commingled at the tank battery before being sold, no difference in value should result by commingling the production within the wellbore.

A copy of this application is being furnished to all offset operators.

SEP 9 PM 1 18
70

DHC-68

Due Sept 29

Your further handling of approval of this application will sincerely be appreciated.

Yours very truly,



For: J. J. Pickell, Manager
Production Department-South
Mid-Continent Division

RRS:DRP

Attachments

cc - Offset Operators (Per Attached List)

- New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

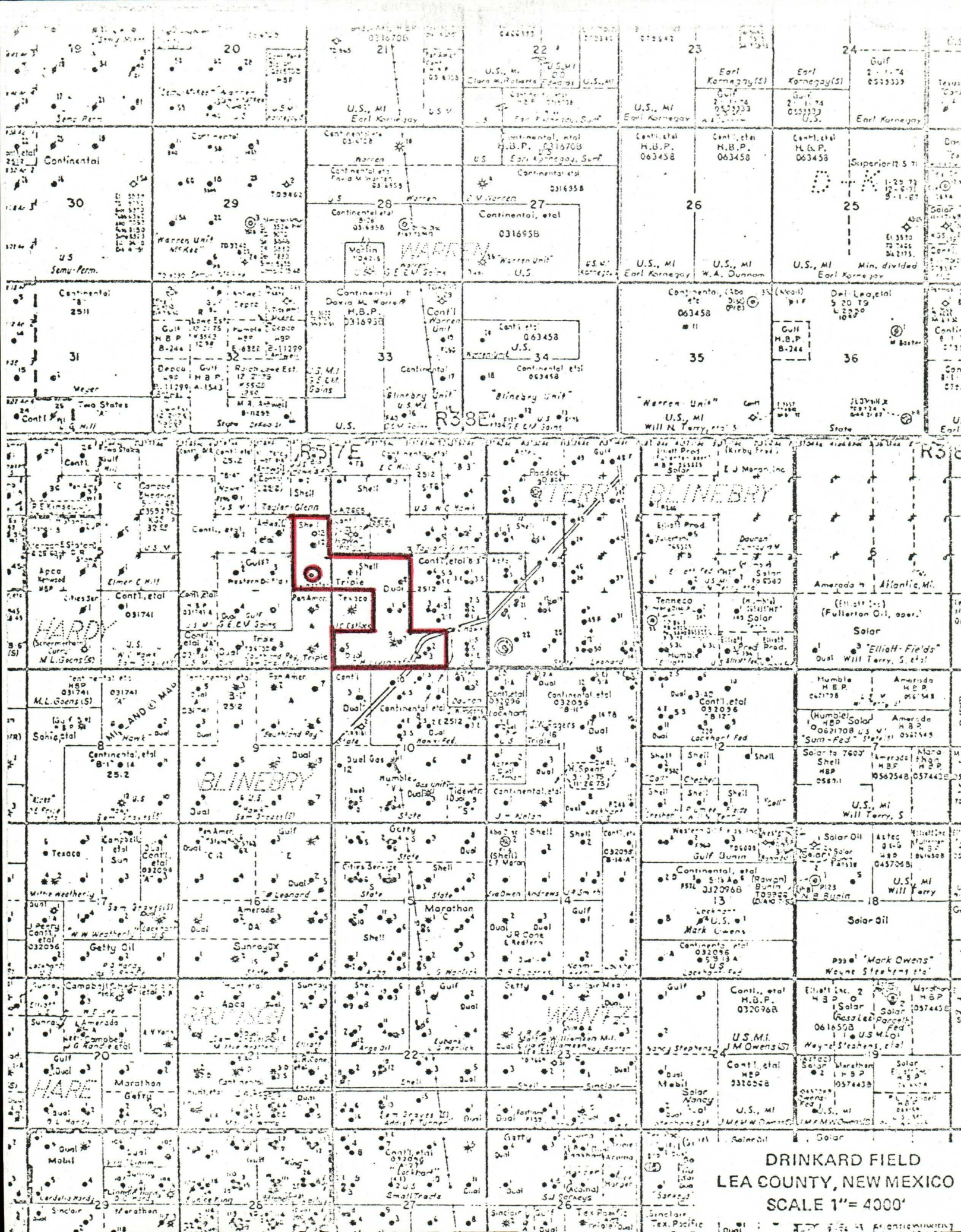
OFFSET OPERATORS TO
LIVINGSTON LEASE
LEA COUNTY, NEW MEXICO

Continental Oil
Box 431
Permian Building
Midland, Texas 79701

Gulf Oil Corp.
P. O. Box 1150
Midland, Texas 79701

Pan American Petroleum
P. O. Box 68
Hobbs, New Mexico 88240

Texaco, Inc.
P. O. Box 3109
Midland, Texas 79701



DRINKARD FIELD
LEA COUNTY, NEW MEXICO
SCALE 1" = 4000'

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Shell Oil Company		Pool Blinebry		County Lea												
Address P.O. Box 1810, Midland, Texas 79701		TYPE OF TEST - (X)		Completion ☐ Special ☒												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.			
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.	
Livingston	10	P	4	21	37	9-1-70	F	48/64	325	5	24	0	36.7	6*	102	17,000
FILED FOR INCREASE IN ALLOWABLE																

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
Report casing pressure in lieu of tubing pressure for any well producing through casing.
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

R.A. Lowery R.A. Lowery
(Signature)
Division Production Supt.
(Title)
9-4-70
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator Shell Oil Company		Pool Drinkard		County Lea												
Address P.O. Box 1810, Midland, Texas 79701		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	ST. L.	CHOKESIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T							R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
Livingston	10	P	4	21	37	9-1-70	F	32/64	390	6	24	0	42.9	5	104	20,800

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

R. A. Lowery (Signature)
R. A. Lowery (Name)
Division Production Supt. (Title)

9-4-70

(Date)

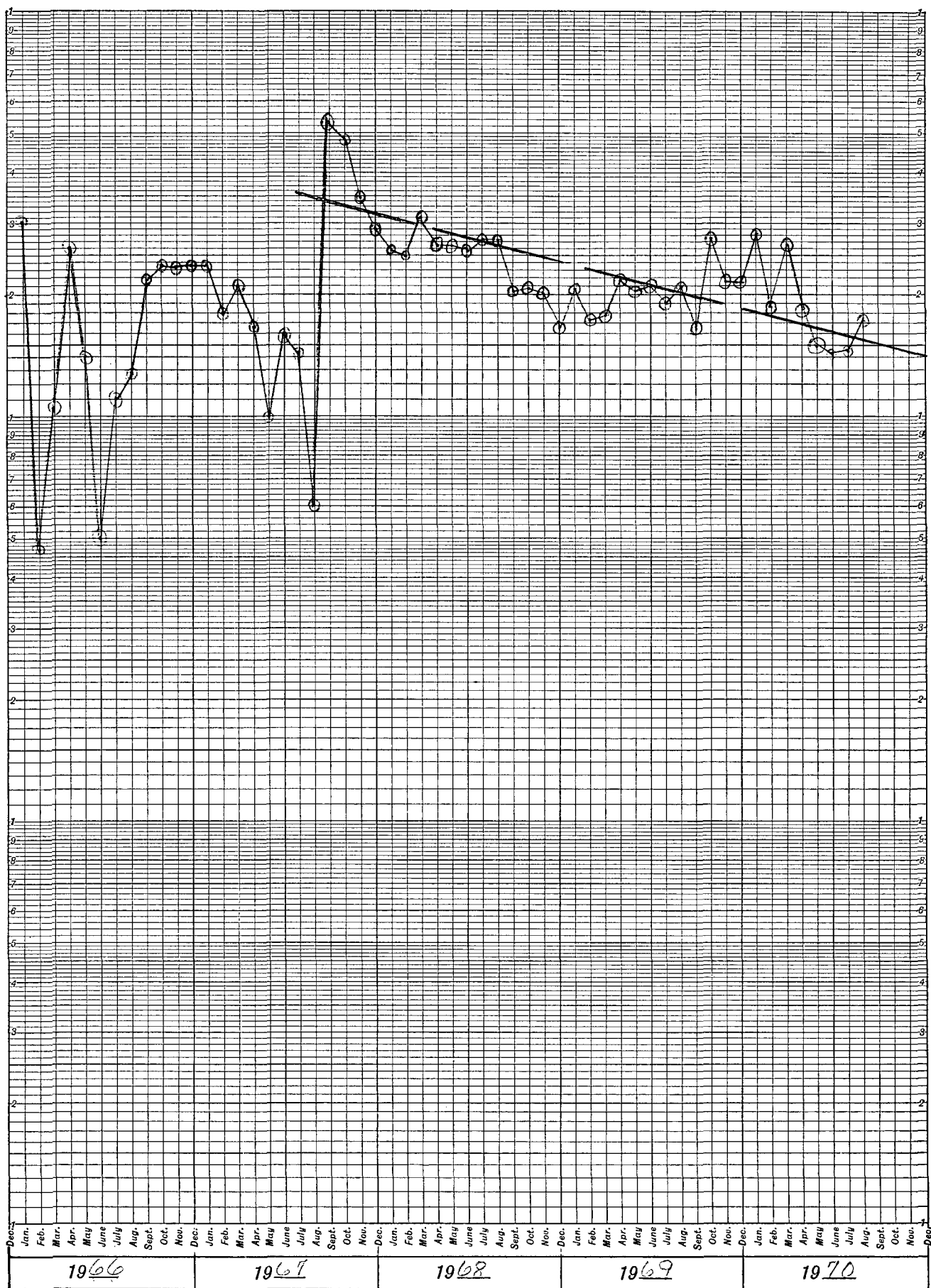
LIVINGSTON No. 10 Blinby (PLUNGER)

1-10

100

10

BD PM



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NO. 3255. FIVE YEARS BY MONTHS X 3 3-INCH CYCLES RATIO RULING.

(FLOW)

1000

100

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1966

19 07

1968

1969

1970

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