



Corporation

UNION TEXAS PETROLEUM DIVISION

1300 WILCO BUILDING • MIDLAND, TEXAS 79701 • AREA CODE, 915, 682-0515

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February 2, 1971

DHC-77
Done Feb 28

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

Attention: Mr. A. L. Porter, Jr.

Re: Application for Downhole Commingling
Union Texas Petroleum
Buffington "B" No. 3
Justis Blinebry and Justis Tubb-Drinkard
Pools, Lea County, New Mexico

Gentlemen:

Union Texas Petroleum respectfully requests administrative approval for downhole commingling in its Buffington "B" No. 3, located 330 feet from the south and west lines of Section 17, Township 25 South, Range 38 East, Lea County, New Mexico.

This well qualifies for administrative approval in accordance with Statewide Rule 303, Paragraph C; and in support thereof, the following facts are submitted.

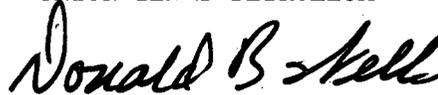
- (1) The attached plat shows the Buffington "B" Lease outlined in red and is described as the south half of Section 19. Well No. 3 is circled in red on the plat.
- (2) The well was dually completed in the Justis Blinebry and Justis Tubb-Drinkard Pools and approved by Commission Order No. DC-992 on September 26, 1960. The Tubb-Drinkard zone was temporarily abandoned on September 3, 1970, because of low productivity (less than one BOPD). We propose to drill out the dual packer and commingle downhole if this application is approved by the Commission.
- (3) A short time before the Tubb-Drinkard was temporarily abandoned, it was tested at the rate of 1.38 barrels of oil, 2 barrels of water, and a GOR of 3700 to 1. On January 25, 1971, the Blinebry was produced at the rate of 14 barrels oil, 10 barrels water, and a GOR of 2700 to 1.
- (4) Neither zone produces more water than the combined oil limit as determined in Rule 303, Paragraph C (b).
- (5) The fluids have been commingled on the surface for several years and no problems have been encountered to indicate incompatibility; therefore, there will be no damage to the reservoir.
- (6) The surface commingling resulted in no reduction of oil value; therefore; downhole commingling will not result in a lesser value.

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- (7) The ownership of the zones to be commingled is common.
- (8) Attached is a production decline curve showing the monthly production of oil for each zone since 1967.
- (9) The production from both zones is produced by artificial lift. Bottom hole pressure is estimated to be less than 200 psig in both zones.
- (10) Commingling in the well bore will not jeopardize the efficiency of future secondary recovery operations in either of the zones.
- (11) Copies of this application have been furnished to offset operators.

Yours truly,

UNION TEXAS PETROLEUM



Donald B. Wells

DBW:jsp

Attachments

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

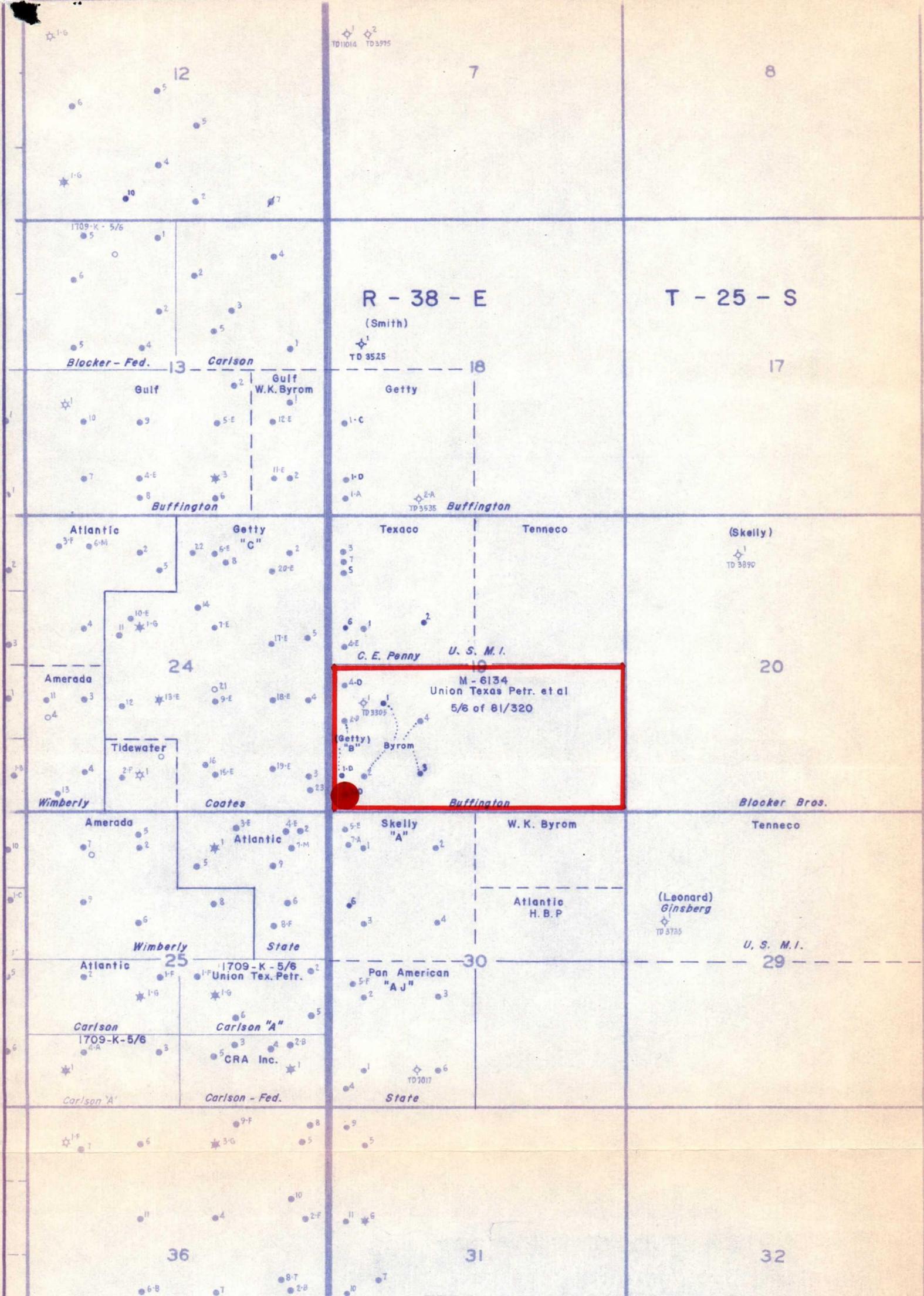
Getty Oil Company
P. O. Box 249, Hobbs, New Mexico 88240

Skelly Oil Company
P. O. Box 730, Hobbs, New Mexico 88240

W. K. Bryom
P. O. Box 147, Hobbs, New Mexico 88240

Texaco, Inc.
P. O. Box 728, Hobbs, New Mexico 88240

Tenneco
P. O. Box 1031, Midland, Texas 79701



UNION TEXAS PETROLEUM
A DIVISION OF ALLIED CHEMICAL CORPORATION

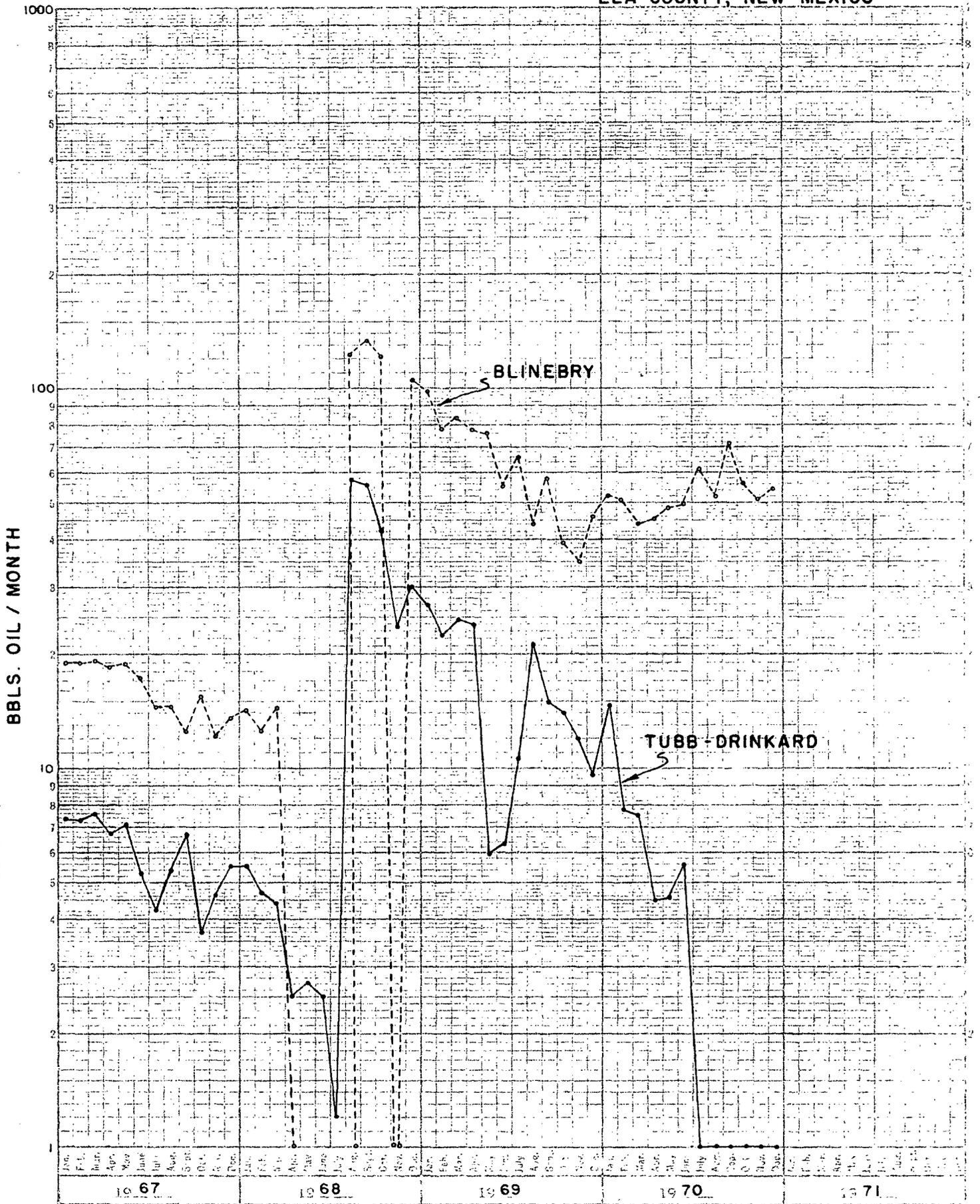
BUFFINGTON "B" LEASE
LEA COUNTY, NEW MEXICO

**JUSTIS BLINEBRY &
JUSTIS TUBB - DRINKARD POOLS**

SCALE IN FEET
2000 0 2000 4000

D. W. MIDLAND DISTRICT 2-3-71

BUFFINGTON "B" 3
 JUSTIS BLINEBRY AND
 JUSTIS TUBB-DRINKARD POOLS
 LEA COUNTY, NEW MEXICO



3 YEARS BY MONTHS 47 6-690
 1 & 10 CYCLES
 KRUPPEL & DEWIS