

from

V. T. LYON

April 6, 1971

To Jim Kapteina

Attached are production curves inadvertently left off our DHC applications. Please excuse the oversight + thanks for bringing it to our attention.



CONTINENTAL OIL COMPANY

P. O. Box 460
Hobbs, New Mexico 88240
March 30, 1971

DHC - 85

Blue Apr 22

New Mexico Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico 87501

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

Gentlemen:

Subject: Application for Downhole Commingling - Hawk B-10 Well No. 8
G-10-21S-37E

Continental Oil Company, P. O. Box 460, Hobbs, New Mexico, as operator of the Hawk B-10 Lease, respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the well bore production from the Drinkard and Blinebry Pools in its Hawk B-10 Well No. 8 located in Unit G of Section 10, T21S, R37E, Lea County, New Mexico. This dual completion was authorized by Administrative Order No. MC-1561. The attached plat shows the Hawk B-10 Lease outlined in red and the No. 8 well by the red circle.

Test data for the Hawk B-10 Well No. 8 for the past two months has not been reliable due to packer leakage which has resulted in communication between the two zones. On February 20, 1971, the Blinebry tested (pumping) 11 BOPD, 0 BWPD and 211 MCFPD of gas, with the Drinkard shut-in. On February 12, 1971, the Drinkard flowed 11 BOPD, 0 BWPD and 72 MCFPD of gas, with the Blinebry shut-in. With both zones open, neither side will produce at a stabilized rate. No. C-116 is attached for the well, due to the unreliable test data.

On March 17, 1971, the bottom hole pressure in the Blinebry zone was measured in the State 10 Well No. 1 located approximately 2300 feet northwest from the Hawk B-10 Well No. 8. The Blinebry pressure was measured to be 665 psi after shut-in for 24 hours. The Drinkard pressure, taken in the State 10 Well No. 3, located 2400 feet northwest, was measured to be 523 psi after being shut-in for 24 hours. Both the Blinebry and Drinkard zones in the State 10 Wells are produced by flowing. It was not considered feasible to obtain pressure surveys in the Hawk B-10 Well No. 8, due to the communication between the zones. The commingled production from the Hawk B-10 Well No. 8 will be produced by pumping.

Attached hereto is a production decline curve for each zone. Anticipated production from the well is 30 BOPD by pumping.

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The fluid from these two pools has been commingled at the tank battery for a number of years and there has been no indication of incompatibility. Both crudes are typical Permian high gravity crude. Since the crudes have been commingled at the tank battery before sale to the pipe line, there should be no difference between the valve of the commingled stream at the surface and that commingled within the well bore.

The Hawk B-10 is a Federal Lease and a copy of the application is being furnished the USGS and to all offset operators. Your further handling and approval of this application will be sincerely appreciated.

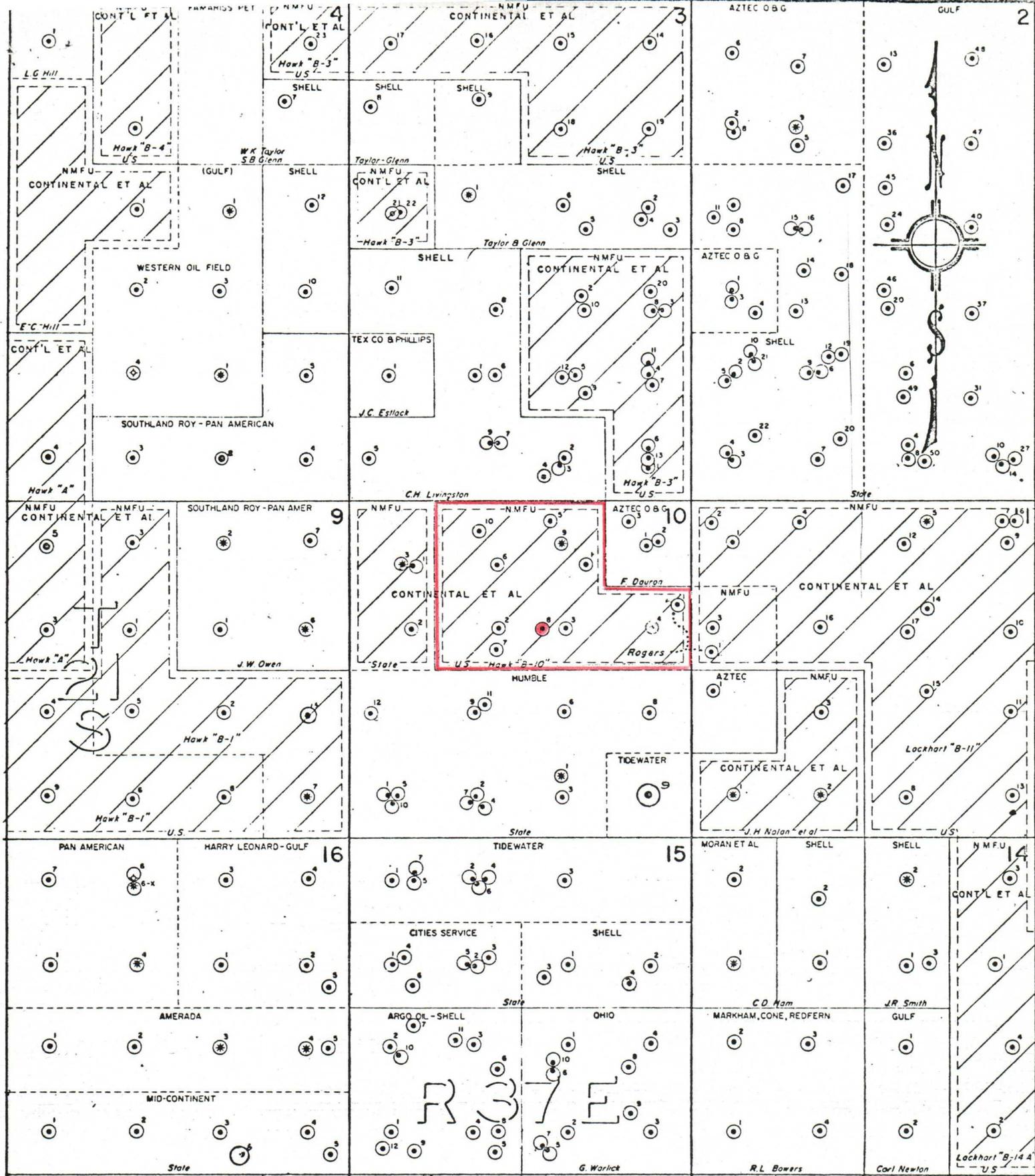
Yours very truly,



G. C. Jamieson
Assistant Division Manager

GCJ-RW

CC: NMOCC-Hobbs
USGS-Hobbs (2)
Aztec Oil and Gas Company
Humble Oil and Refining Company
Shell Oil Company
RLA, JJB, JWK

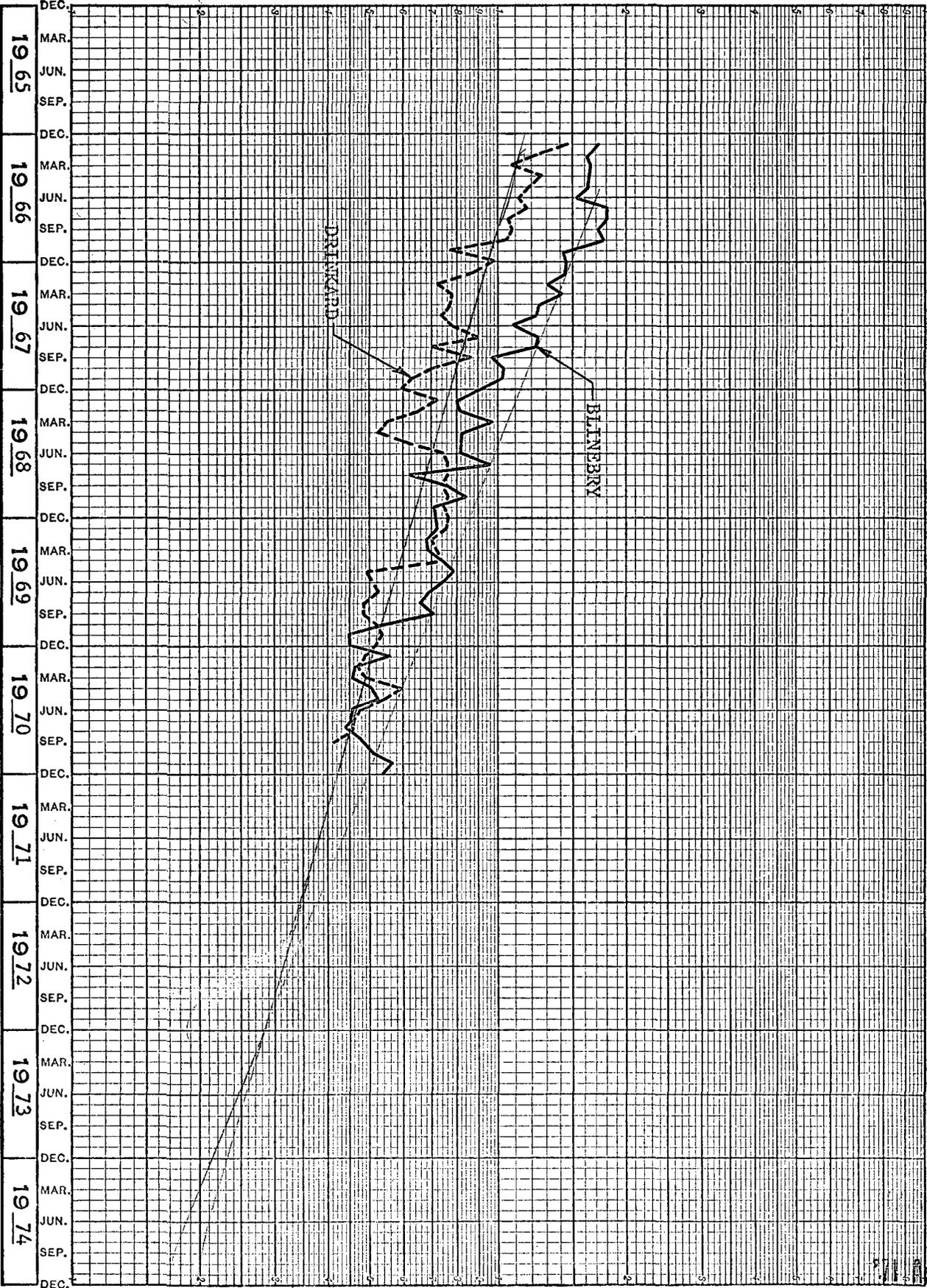


CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DIVISION
 HAWK B-10 LEASE PLAT
 LEA COUNTY, NEW MEXICO
 SCALE: 1" = 2000'

10,000

1,000

100



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HAWK B-10 NO. 8

APR 8 PM 1 04