

CONTINENTAL OIL COMPANY

P. 0. Box 460 Hobbs, New Mexico December 9, 1969

New Mexico Oil Conservation Commission (2) P. O. Box 2088 Santa Fe, New Mexico

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

Gentlemen:

Subject: Application for Downhole Commingling Hawk B-10 Well No. 9 - B-10-21S-37E

Continental 011 Company, 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 Tubb and Drinkard Pools in its Hawk B-10 Well No. 9 located in Unit B of Section 10, T21S, R37E, Lea County, New Mexico. This dual completion was authorized by Order No. DC-86. The attached plat shows the Hawk B-10 Lease outlined in red and the No. 9 well by the red circle.

Attached hereto is a form C-116 showing the shut in date of the Tubb zone in this well. It is believed economic producing rates can be achieved on a commingled basis, but production will probably be less than 10 BOPD.

On December 2, 1969, the bottom hole pressure in the Tubb zone was 2432 psi after shut in of more than one year. The Drinkard zone has been shut in since 1966 and the BHP probably exceeds 1000 psi. Rods in the tubing prevent actual measurement. The commingled production will be artificially lifted.

Attached hereto is a production decline curve for each zone. The future production from each zone is difficult to estimate. During the five month period of 1966 that both wells produced, the Tubb produced 65% of the well's total production. We propose to allocate future production on the basis of 65% to the Tubb, 35% to the Drinkard.

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



DAC 24 Rice 12/31 NMOCC Hawk B-10 No. 9 Page 2

the crudes have been commingled at the tank battery before sale to the pipe line, there should be no difference between the value 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 this application is being furnished the U.S.G.S. and to all offset operators. Your further handling and approval of this application will be sincerely appreciated.

Yours very truly,

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G. C. Jamieson Assistant Division Manager

VTL-JS

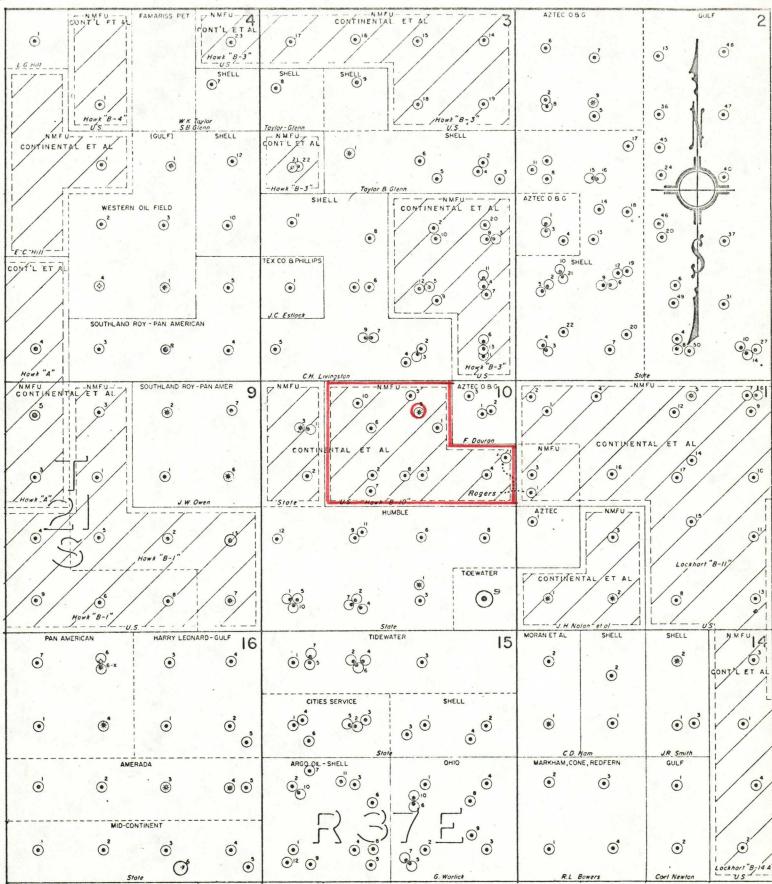
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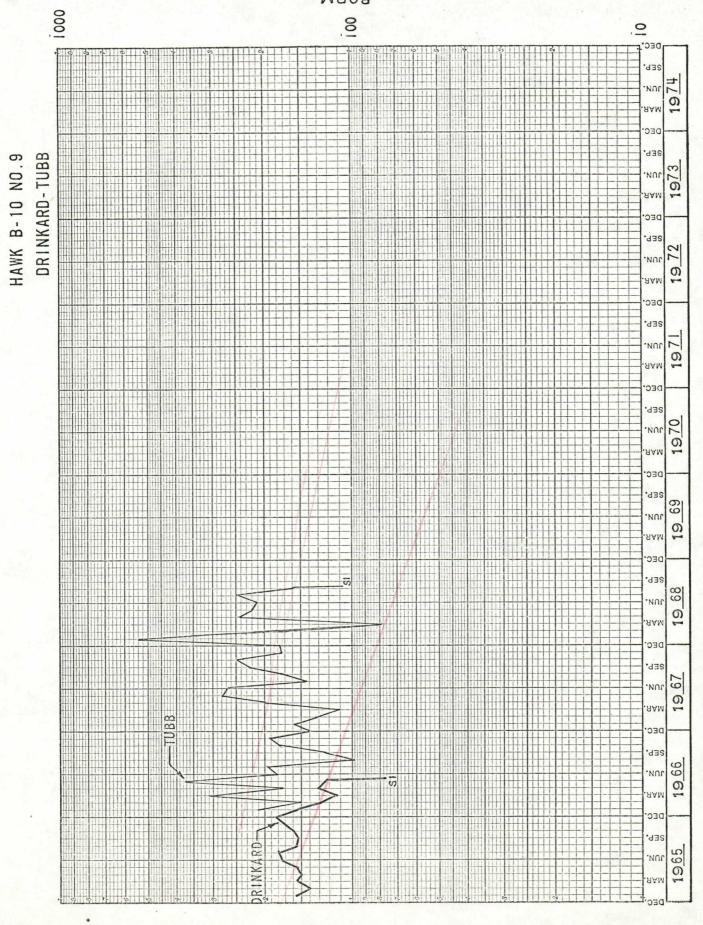
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CONTINENTAL OIL COMPANY PRODUCTION DEPARTMENT HOBBS DIVISION HAWK B-10 LEASE PLAT LEA COUNTY, NEW MEXICO SCALE: 1"= 2000'



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