



CONTINENTAL OIL COMPANY

DEC 11 1969

P. O. 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 Oil 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


DNC -24
Rec 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,



G. C. Jamieson
Assistant Division Manager

VTL-JS
CC: NMOCC-Hobbs
USGS-Hobbs (2)

RLA JJB JWK

Shell Oil Company
Aztec Oil and Gas Company
J. W. Rogers
Humble Oil and Refining Company

Operator Continental Oil Company		Pool Tubb (Oil)		County Lea										
Address Box 460, Hobbs, N. M. 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
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 BBL'S.	GRAV. OIL		OIL BBL'S.
Hawk B-10	9	B	10	21	37									
Shut-in - pumping unit moved 1968														

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

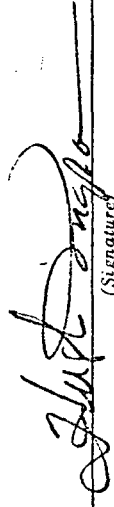
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized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

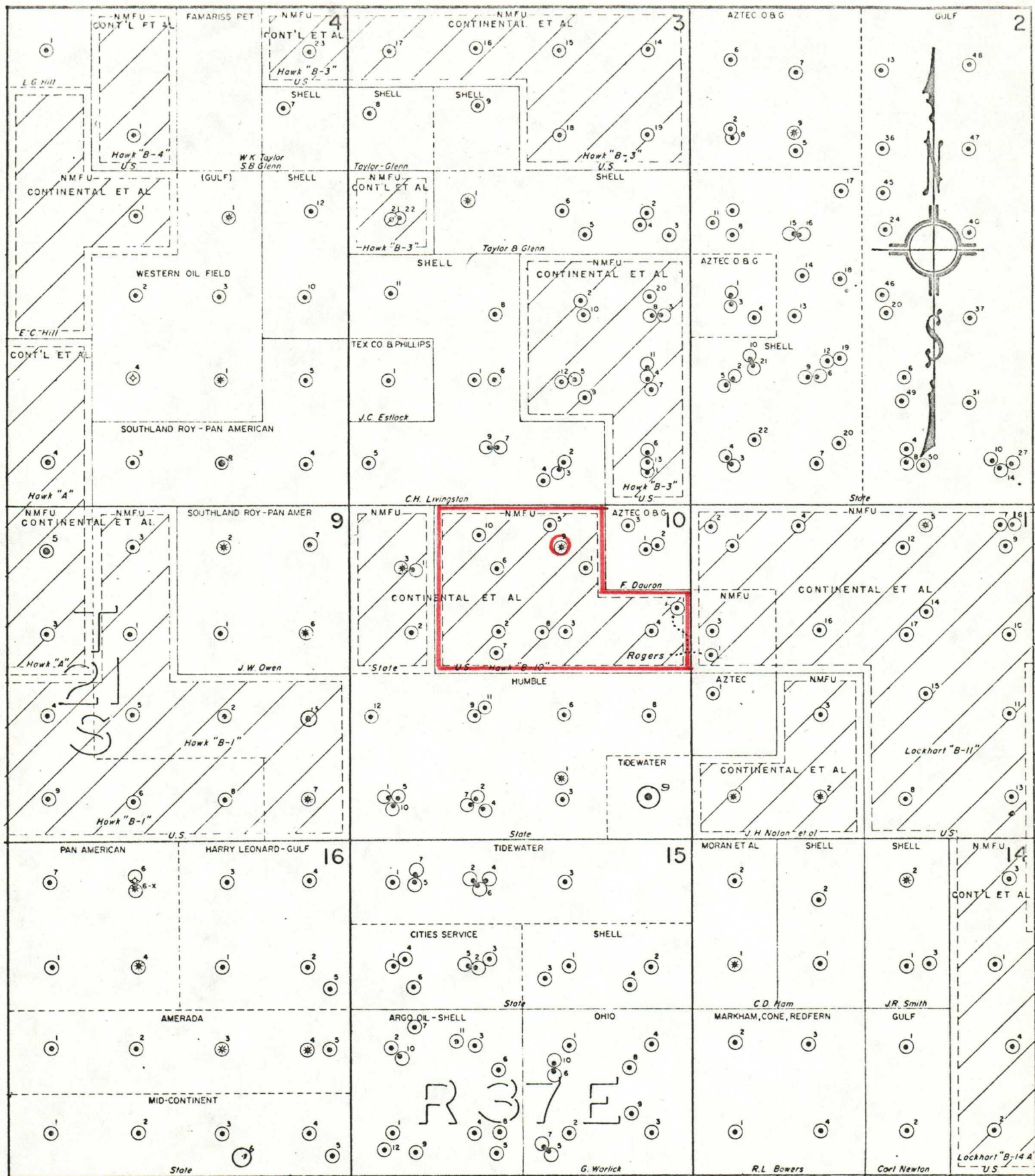
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

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.


(Signature)
Administrative Section Chief
(Title)
12-5-69
(Date)



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



HAWK B-10 NO.9
DRINKARD-TUBB

