



DHC-93

G. C. Jamieson
Assistant Division Manager
Production Department
Hobbs Division

Western Hemisphere Petroleum Division
Continental Oil Company
P. O. Box 460
1001 North Turner
Hobbs, New Mexico 88240
(505) 393-4141

RECEIVED
AUG 23 1971
NL CONSERVATION COMM

Recd Sept 12

August 19, 1971

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

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

Gentlemen:

Application for Downhole Commingling - Hawk A Well No. 2,
Unit H-8-21S-37E, Lea County, New Mexico

Continental Oil Company, as operator of the Hawk A Lease, respectfully requests Administrative approval under the provisions of Order No. R-3845, to commingle in the well bore production from Blinebry Oil and Drinkard Oil Pools in the subject well. This dual completion was authorized by Administrative Order No. MC-1659. The attached plat shows the Hawk A Lease outlined in red and the No. 2 well by the red circle.

On August 13, 1971, the bottom hole pressures in the Blinebry and Drinkard were measured in the Hawk A Well No. 2. The Blinebry pressure was calculated to be 1705 psi after being shut-in for four years. The Drinkard pressure was measured to be 614 psi after being shut-in for 24 hours.

Attached is Form C-116 indicating the latest well tests. Also attached is a production decline curve for each zone. Anticipated production from the well after commingling is 20 BOPD by pumping.

The fluid from these two pools has been commingled at the battery for a number of years and there has been no indication of incompatibility. Both crudes are typical Permian high gravity crude.

New Mexico Oil Conservation Commission

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

Yours very truly,



dw

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Copies to:

New Mexico Oil Conservation Commission

P. O. Box 1980

Hobbs, New Mexico 88240

United States Geological Survey

P. O. Box 1157

Hobbs, New Mexico 88240

Off-Set Operators

RLA: JJB: JWK:

Off-Set Operators

Atlantic Richfield Company
P. O. Box 1978
Roswell, New Mexico 88201

AMOCO Producing Company
P. O. Box 68
Hobbs, New Mexico 88240

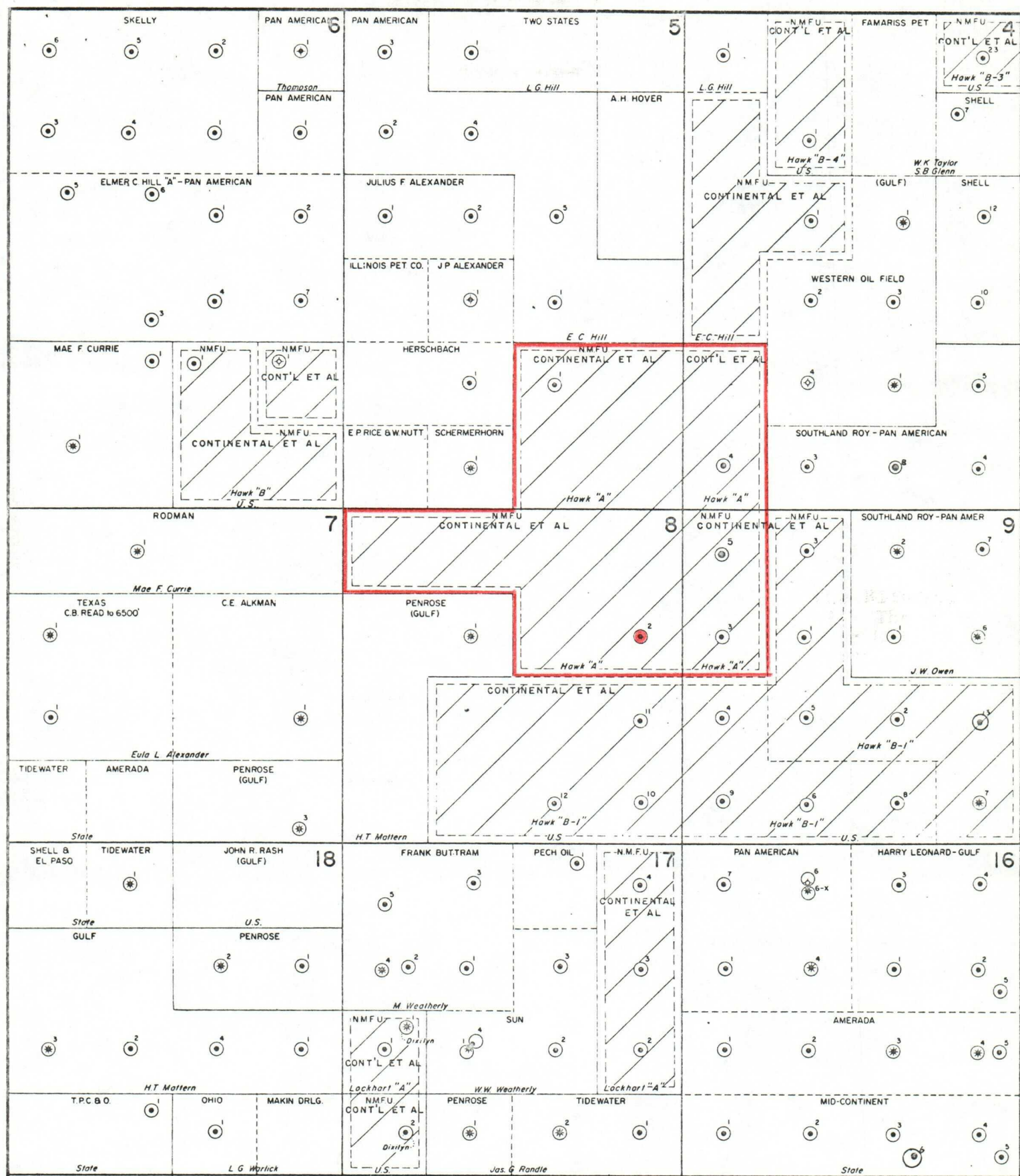
Cities Service Oil Company
P. O. Box 69
Hobbs, New Mexico 88240

Chevron Oil Company
P. O. Box 1660
Midland, Texas 79701

Penrose Production Company
P. O. Box 988
Eunice, New Mexico 88231

Summit Energy, Inc.
1925 Mercantile Dallas Building
Dallas, Texas 75201

APCO
Liberty Bank Building
Oklahoma City, Oklahoma 73102



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Completion		Special							
CONTINENTAL OIL COMPANY		BLINEBRY - DRINKARD		LEA											
Address		TYPE OF TEST - (X)		SCHEDULED											
Box 460, Hobbs, New Mexico 88240															
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.
<u>DRINKARD</u>															
Hawk A	2	H	8	21	37	8-11-71	F 30/64	450	10	24	0	39	10	55	5,500
<u>BLINEBRY</u>															
Shut-In															

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 ~~testing~~ 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.

M. E. Headley
(Signature)

Administrative Supervisor
(Title)

August 11, 1971

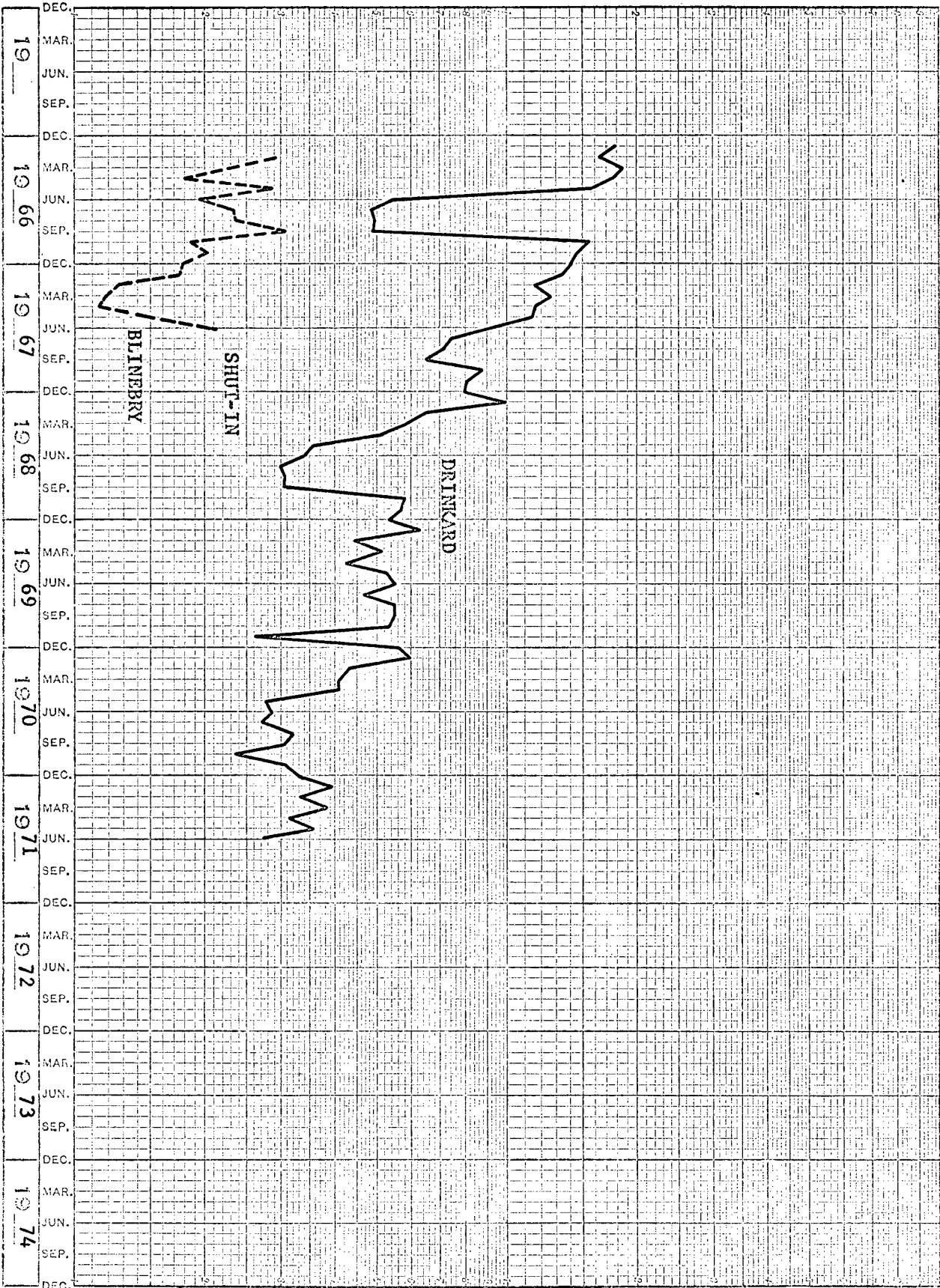
(Date)

BOPM

1,000

10,000

100



HAWK "A" NO. 2