



Donald W. Johnson
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Production Department
Hobbs Division
North American Production

Conoco Inc.
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August 17, 1984

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 88501

Attention: Mr. Gilbert Quintana

Gentlemen:

Application to Downhole Commingle Hawk A No. 6, Unit G, Sec. 8-21S-37E,
Lea County, New Mexico

Conoco respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Blinebry Oil and Gas and Drinkard pools in the subject well. We originally applied for this downhole commingling on August 31, 1983; but, our application was denied because the pressure difference between the two zones was not less than 50 percent. We are submitting this application again, because recent pressure data from the Blinebry now indicates a pressure difference of less than 50 percent.

A 24 hour shut-in pressure was measured from the Blinebry in June, 1984; pressures for the two zones, adjusted to a common datum, are 436 psia for the Blinebry and 303 psia for the Drinkard.

Attached is a lease plat, C-116's showing well tests, and decline curves for each zone. The above data has been updated for the Blinebry pool. However, the information shown for the Drinkard is the same as that submitted in our former application because this zone has been temporarily abandoned with a retrievable bridge plug since November, 1982.

Six other wells on the Hawk A lease are downhole commingled in these two zones; hence, the value of the production will not be reduced nor will the fluids be incompatible in the wellbore.

Based on the ratio of production from the two pools, the following allocation percentages are recommended:

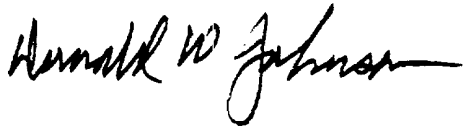
	<u>Oil</u>	<u>Gas</u>
Blinebry	50%	25%
Drinkard	50%	75%

NEW MEXICO OIL CONSERVATION DIVISION

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By copy of this letter we are notifying the Bureau of Land Management and Gulf, the only offset operator to the well. We appreciate your prompt review of this application.

Yours very truly,

A handwritten signature in black ink, appearing to read "Donald W. Johnson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Donald W. Johnson

DDP:jr

cc: Bureau of Land Management, Carlsbad
Gulf Oil Exploration and Production Company

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Completion		Special						
Conoco Inc.		Blinebry Oil and Gas		Lea										
Address		P. O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		SCHEDULED		Special						
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - O RATIO CU. FT./B	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
Hawk A	6	G	8	21S	37E	6-8-84	P	-	24	3	40	9	70	7778

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

David J. Smythe
(Signature)
Administrative Supervisor
(Title)

8-10-84
(Date)

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.

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator Conoco Inc.		Pool Drinkard		County Lea										
Address P. O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion ☐	Special ☒									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS R. C.U.F.
		U	S	T						R	WATER BBLs.	GRAV. OIL	OIL BBLs.	
Hawk A	006	G	8	21S	37E	7-22-83	F		24	2	9	198	22	

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 30) and appropriate pool rules.

I hereby certify that the above info is true and complete to the best of my knowledge and belief.

David L. Lujan
(Signature)
Administrative Sup
(Title)

HAWK A No. 6

DRINKARD

BOPM

