



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

11-1-93

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DHC-957

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

John H. Hendrix Corp. Cossatot F #3-D 23-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

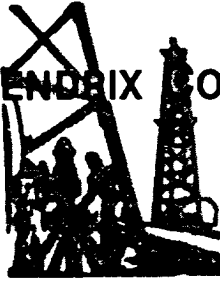
OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

- /ed

JOHN H. HENDRIX CORPORATION



(915) 684-6631
223 WEST WALL, SUITE 525
MIDLAND, TEXAS 79701

October 27, 1993

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: Mr. David R. Catanach

RE: Downhole Commingling Request
Cossatot "F" No. 3
Unit D, Section 23, T22S -
R37E, Lea County, New Mexico

Gentlemen:

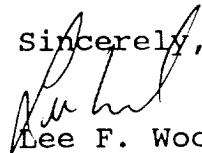
John H. Hendrix Corporation respectfully requests administrative approval to downhole commingle the Wantz Granite Wash and Drinkard production. Approval of this request will protect correlative rights, and encourage the efficient recovery of oil and gas reserves.

Currently the well is dual completed with the Wantz Granite Wash pumping up the tubing and Drinkard flowing up the casing.

By copy of this letter, we are notifying the offset operators of this proposed commingling. If these operators have no objections, we ask that they execute the attached waiver and return two copies to the N.M.O.C.D., Santa Fe.

Enclosed is pertinent data supporting this application as outlined in Rule 303-A. If additional information is necessary, please contact me at (915) 684-6631.

Sincerely,


Lee F. Wood

LW/ah
Enclosures

COSSATOT "F" NO. 3
PERTINENT INFORMATION

- A) John H. Hendrix Corporation
223 W. Wall, Suite 525
Midland, TX 79701
- B) Cossatot "F" No. 3
Unit D, Section 23, T22S - R37E
Lea County, New Mexico
Commingled Zones: Wantz Granite Wash and Drinkard
- C) A lease plat is attached showing the location of this well. (Exhibit 1)
- D) The Form C-116 is included to show current status of Wantz Granite Wash Zone and Drinkard Zone. (Exhibit 2)
- E) Production decline curves for the Wantz Granite Wash and Drinkard are attached. (Exhibit 3)
- F) Due to the fact the well would be produced in a pumped off condition, it is respectfully requested that the BHP data be waived.
- G) Due to the fact these zones are already commingled in many wells, it is requested that the gas analysis requirements be waived.
- H) Working interest and royalty ownership in the two zones is the same.
- I) The following percentages are suggested based on the analysis of past and current production.

	<u>Anticipated Production</u>			<u>MCFPD</u>
	<u>Oil %</u>	<u>BOPD</u>	<u>Gas %</u>	
Drinkard	50%	1	57%	89
Wantz Granite Wash	50%	1	43%	66
	—	—	—	—
Total	100%	<u>2</u>	<u>100%</u>	<u>155</u>

EXHIBIT 1

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

GAS - OIL RATIO TEST

Operator John H. Hendrix Corporation		Pool Drinkard and Wantz Granite Wash		County Lea											
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X) ☒ TEST - (X)		Scheduled ☐ Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION U S T R		DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER GRAV. OIL		Special GAS M.C.F. GAS - OIL RATIO CU.FT/8BL.				
Cossatot F	3	D	23	22	37	3/25/93	P Open	35	M	24	1	39	1	66	6600
Cossatot F	3	D	23	22	37	4/1/93	F 2"	80	M	24	1	40	2	89	8900
EXHIBIT 2															

Instructions:

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 Division.

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.

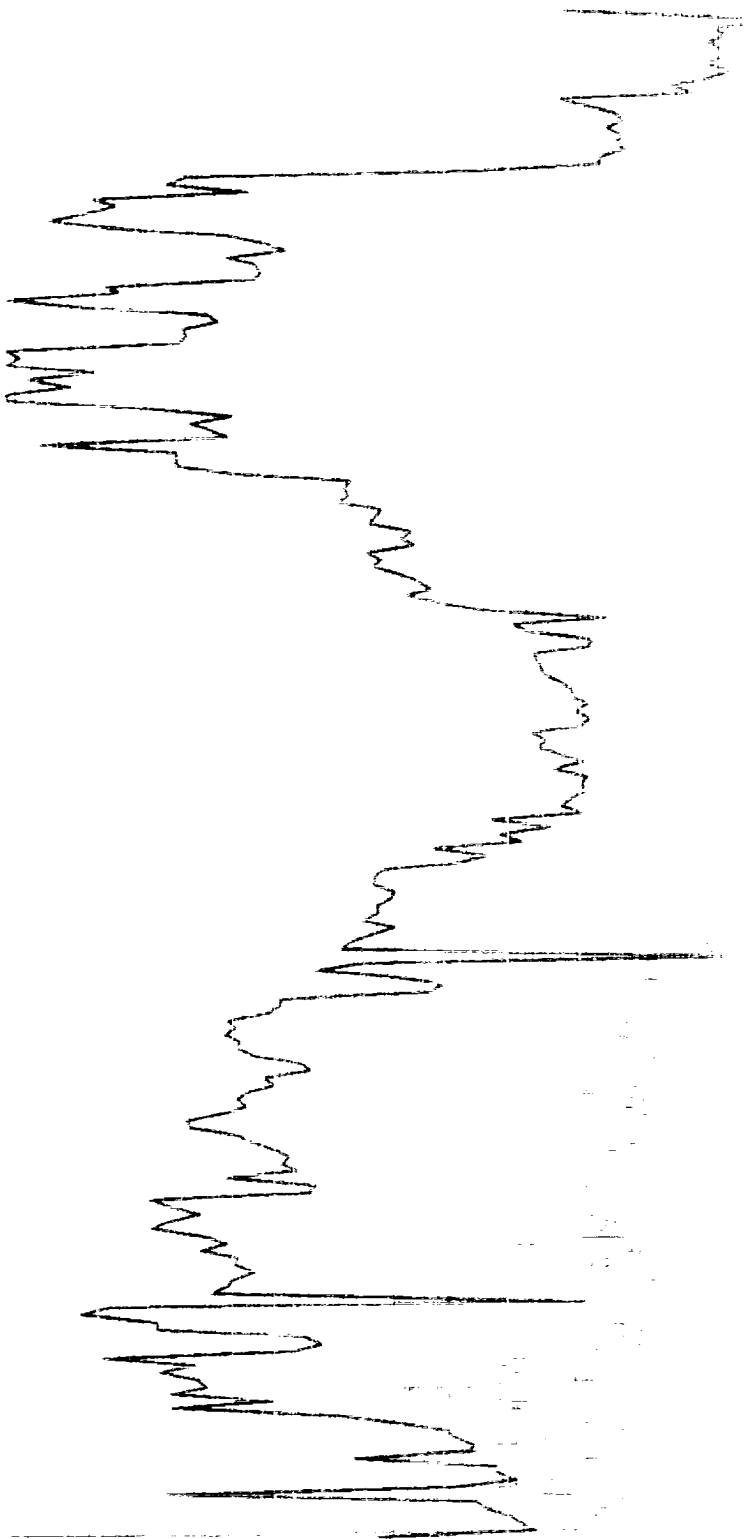
(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Ronnie H. Westbrook
Ronnie H. Westbrook-Vice-President
Printed name and title

Date 10/27/93 (915) 684-6631
Telephone No.



100

Exhibit 3

October 27, 1993

RE: Request to Downhole
Commingle (Cossatot "F" #3)
Wantz Granite Wash
and Drinkard Pools, Unit D,
Section 23, T22S - R37E,
Lea County, New Mexico

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: David R. Catanach

As an offset operator, the undersigned has no objection to the John H. Hendrix Corporation application to the downhole commingling of the Wantz Granite Wash and Drinkard Pools in the captioned well bore.

Approved By: _____

Representing: _____

Date: _____

OFFSET OPERATORS TO

JOHN H. HENDRIX CORPORATION'S

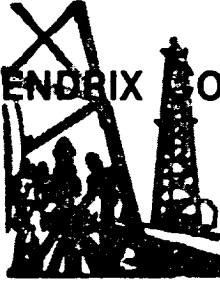
COSSATOT "F" NO. 3

Exxon Company U.S.A.
P. O. Box 1600
Midland, TX 79702
Attn: Production Mgr.

Amerada Hess Corporation
Drawer D
Monument, NM 88265

Conoco Inc.
#10 Desta Drive, Suite 100W
Midland, TX 79705-4500

JOHN H. HENDRIX CORPORATION



(915) 684-6631
223 WEST WALL, SUITE 525
MIDLAND, TEXAS 79701

October 27, 1993

CERTIFIED MAIL

RE: Waiver Request to Downhole
Commingle Wantz Granite
Wash and Drinkard Pools,
Cossatot "F" No. 3, Unit D,
Section 23, T22S - R37E,
Lea County, New Mexico

TO: OFFSET OPERATORS

Attached is a copy of John H. Hendrix Corporation's administrative application for N.M.O.C.D. approval to downhole commingle Wantz Granite Wash and Drinkard Pools in our Cossatot "F" No. 3. Approval of this application will promote conservation and encourage the efficient recovery of oil and gas reserves.

As an offset operator, if you do not have any objections to the attached application, please sign the enclosed waivers and mail the two copies to the N.M.O.C.D. in Santa Fe and one copy to the N.M.O.C.D. in Hobbs. We would also request that you send a copy to John H. Hendrix Corporation in Midland. We have enclosed self addressed, stamped envelopes for your convenience.

If you have any questions, please call me at (915) 684-6631. Your prompt consideration in the above matter is appreciated.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'Lee F. Wood', is written over the typed name.

Lee F. Wood

Attachments