



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

5-6-93

BRUCE KING
GOVERNOR

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

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

John H. Hendrix

RE: Proposed:

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

Gentlemen:

I have examined the application for the:

John H. Hendrix Corp. Casasat H #1-2 13-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

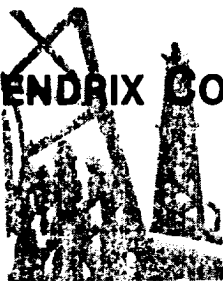
OK

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

April 29 , 1993

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

Attention: Mr. David R. Catanach

RE: Downhole Commingling Request
Cossatot "H" No. 1 Lease
Unit L, Section 13, T22S -
R37E, Lea County, New Mexico

Gentlemen:

John H. Hendrix Corporation respectfully requests administrative approval for an exception to Rule 303-A to permit the downhole commingling of production in the above subject well from the South Brunson Drinkard-Abo and Wantz Granite Wash Pools in Lea County, New Mexico.

Currently, the well is dual completed with the South Brunson Drinkard-Abo flowing up the annulus and the Wantz Granite Wash flowing up the tubing. Approval of this request will protect correlative rights, promote conservation and encourage the efficient recovery of oil and gas reserves.

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.

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 Wood

LW/ah

COSSATOT "H" NO. 1

PERTINENT INFORMATION

- A) John H. Hendrix Corporation
223 W. Wall, Suite 525
Midland, TX 79701
- B) Cossatot "H" No. 1
Unit L, Section 13, T22S - R37E
Lea County, New Mexico
Commingled Zones: South Brunson Drinkard-Abo and
Wantz Granite Wash
- 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 South Brunson Drinkard-Abo Oil Zone and Wantz Granite Wash Zone. (Exhibit 2)
- E) Production decline curves for the South Brunson Drinkard-Abo and Wantz Granite Wash are attached. (Exhibit 3)
- F) Due to the obvious low productivity of this well and 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.

	Anticipated Production			MCFPD
	Oil %	BOPD	Gas %	
South Brunson	19%	21	95%	2777
Drinkard-Abo				
Wantz Granite	81%	91	5%	158
Wash				
Total	100%	113	100%	2935

[illegible]

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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator John H. Hendrix Corporation		Pool South Brunson Drinkard-Abo		County Lea									
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST (X) ☒ Scheduled ☐ Special		Completion ☐									
LEASE NAME Cossatot "H"	WELL NO. 1	LOCATION U S T R		DATE OF TEST 2/20/93	CHOKE SIZE -	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	0	37.1	1	101	101000
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

Lee Wood

Printed name and title

4/29/93

Date

(915) 684-6631

Telephone No.

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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator		Pool		County												
John H. Hendrix Corporation		Wantz Granite Wash		Lea												
Address		Type of Test		Completion												
223 W. Wall, Suite 525, Midland, TX 79701		TEST - (X)		Special												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROG. DURING TEST				GAS - OIL RATIO CU FT/8BL.
		U	S	T	R							WATER BLS.	GRAV. OIL	OL DGLS.	GAS M.C.F.	
Cossatot "H"	1	L	13	22	37	2/26/93	F	Open	35	MGW	24	1	36.8	3	6	2000
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.

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(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

Lee Wood

Printed name and title

4/29/93

(915) 684-6631

Date

Telephone No.

LABORATORY

000001

DRIGHT'S

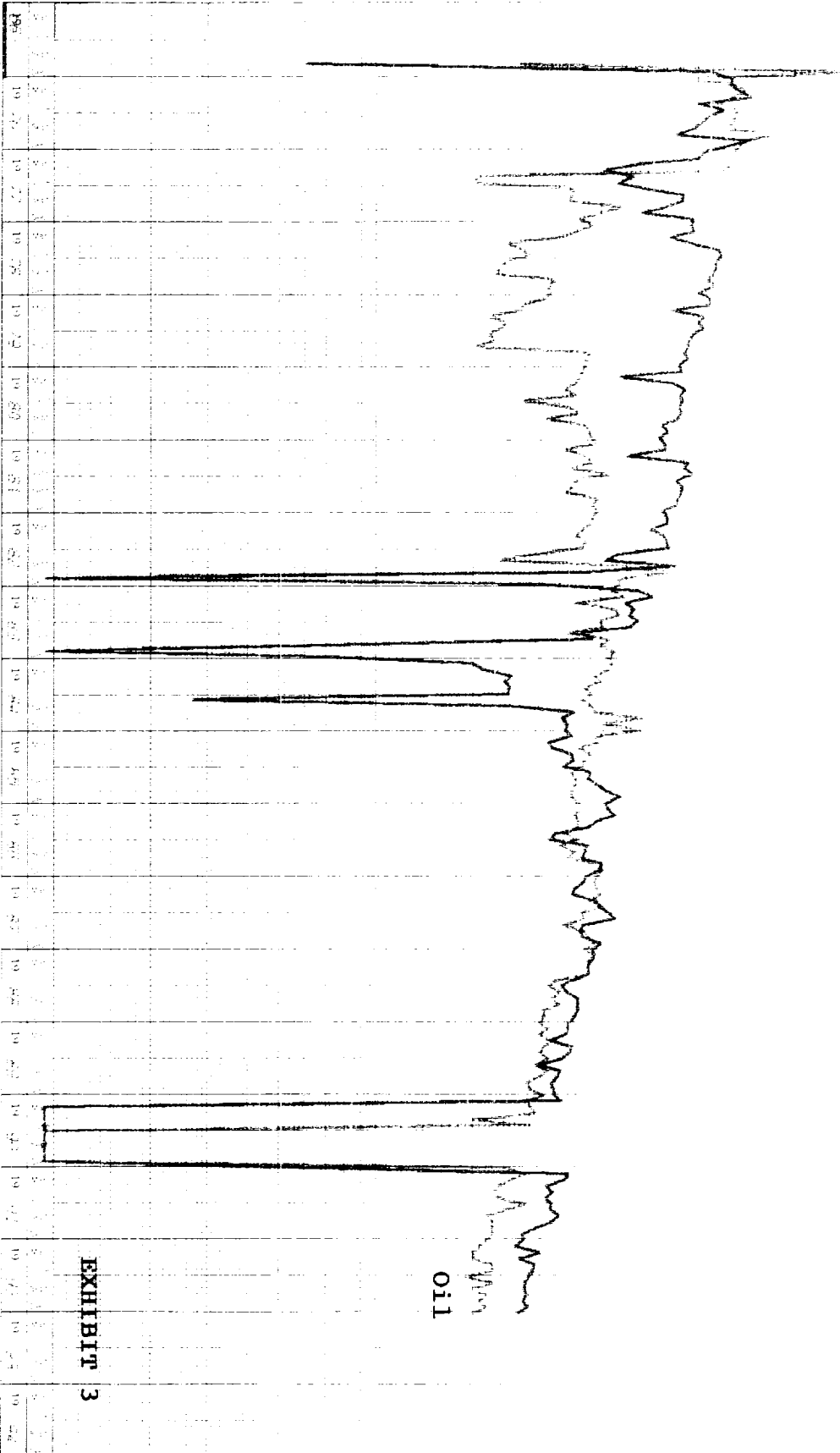
LABORATORY

INC.

RESEARCH

100, 025, 225, 213, 000A

INC.



DRIGHT'S
LABORATORY
INC.
RESEARCH
100, 025, 225, 213, 000A
INC.

JOHN H. HENDRIX CORPORATION



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

April 29, 1993

CERTIFIED MAIL

RE: Waiver Request to Downhole
Commingle South Brunson
Drinkard-Abo and Wantz
Granite Wash Pools,
Cossatot "H" No. 1,
Unit L, Section 13, T22S -
R37E, Lea County, New Mexico

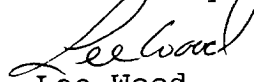
TO: OFFSET OPERATORS

Attached is a copy of John H. Hendrix Corporation's administrative application for N.M.O.C.D. approval to downhole commingle South Brunson Drinkard-Abo and Wantz Granite Wash Pools in our Cossatot "H" No. 1. 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,


Lee Wood

Attachments

April 29, 1993

RE: Request to Downhole
Commingle (Cossatot "H" #1)
South Brunson Drinkard-Abo
and Wantz Granite Wash
Pools, Unit L, Section 13,
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 South Brunson Drinkard-Abo and Wantz Granite Wash Pools in the captioned well bore.

Approved By: _____

Representing: _____

Date: _____

OFFSET OPERATORS TO
JOHN H. HENDRIX CORPORATION'S
COSSATOT "H" NO. 1

Exxon Company USA
P. O. Box 1600
Midland, TX 79702

Marathon Oil Company
P. O. Box 552
Midland, TX 79702

Chevron Operating Co. Inc.
P. O. Box 670
Hobbs, NM 88240

April 29, 1993

RE: Request to Downhole
Commingle (Cossatot "H" #1)
South Brunson Drinkard-Abo
and Wantz Granite Wash
Pools, Unit L, Section 13,
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 South Brunson Drinkard-Abo and Wantz Granite Wash Pools in the captioned well bore.

Approved By: JL Goldbold
Representing: Chevron U.S.A. Production Co.
Date: 5/26/93