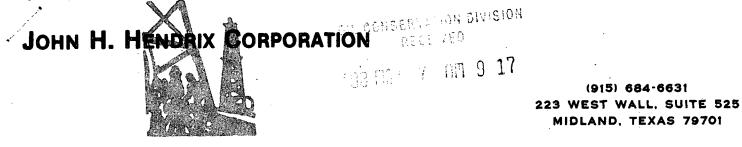
XEZEASE 5.26.93



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

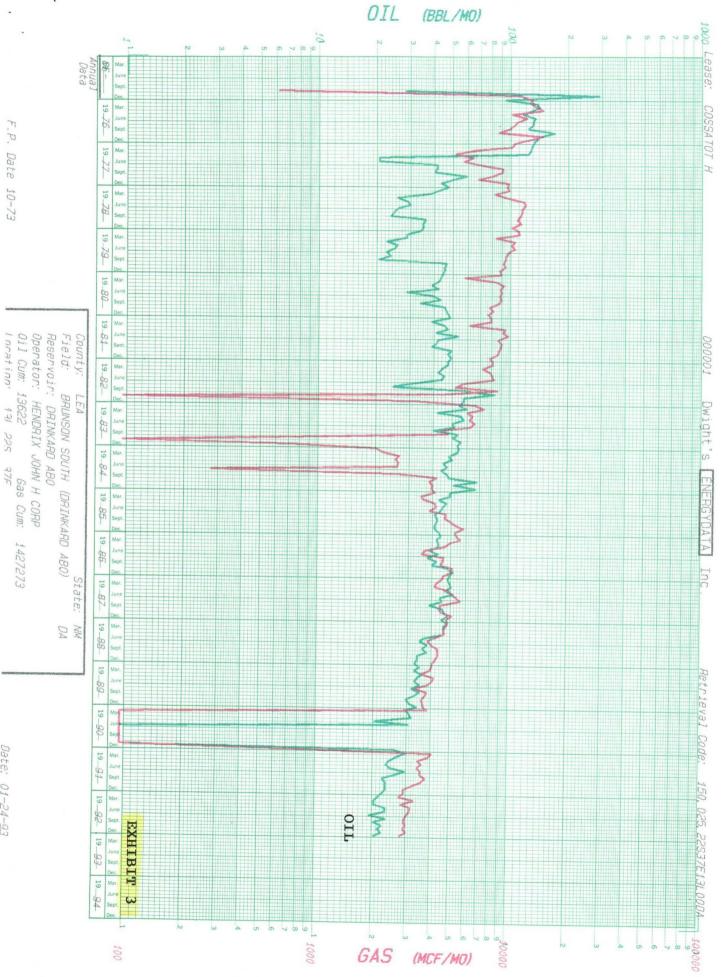
- A) John H. Hendrix Corporation
  223 W. Wall, Suite 525
  Midland, TX 79701
- B) Cossatot "H" No. 1 Unit L, Section 13, T22S - R37E Lea County, New Mexico Commingled Zones: South Brunson Drinkard-Abo and Wantz Granite Wash
- C) A lease plat is attached showing the location of this well. (Exhibit 1)
- 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.

|                               | Antici              | pated Prod | duction             |                             |
|-------------------------------|---------------------|------------|---------------------|-----------------------------|
| South Brunson<br>Drinkard-Abo | <u>0i1 %</u><br>19% | BOPD<br>21 | <u>Gas %</u><br>95% | $\frac{\text{MCFPD}}{2777}$ |
| Wantz Granite<br>Wash         | 81%                 | 91         | 5%                  | 158                         |
| Wash                          |                     |            |                     |                             |
| Total                         | 100%                | 113        | 100%                | 2935                        |

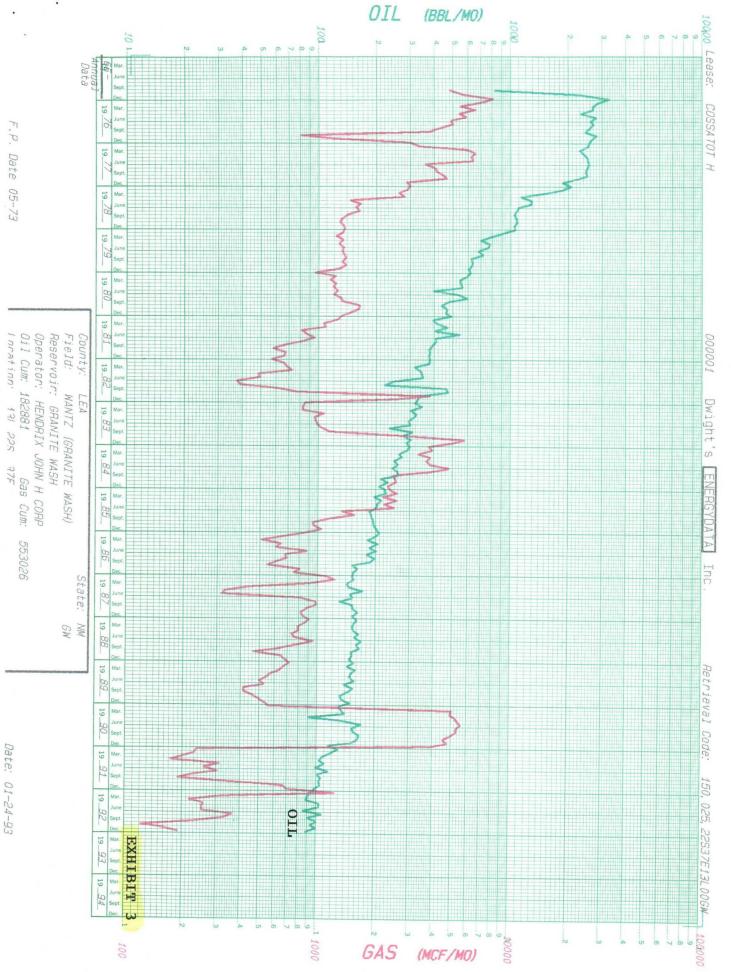
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| (See Rule 301, Rule 1116 & appropriate pool rules.) | order that well can be assigned increased allowables when authorized by the Division.<br>Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of Specific gravity base will be 0.60.<br>Report casing pressure in lieu of tubing pressure for any well producing through casing. | Instructions;<br>During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in<br>which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in |         |   |  | Cossatot "H" 1 | LEASE NAME NO.                  | Address<br>223 W. Wall, Suite 525, | Operator<br>John H. Hendrix Corporation |                      | P.O. Drawer DD, Artesia, NM 88210<br><u>DISTRICT III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410 | P.O. Box 1980, Hobbs, NM 88240<br>DISTRICT II | Submit 2 copies to Appropriate<br>District Office.<br>DISTRICT 1         |
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| Date  |  |   | ]       |   |  | М              |                                 | ₹<br>₹                             | nkard-Abo                               |                      |  | VISION  | artment  |
| Ģ   | Signature<br>Lee Wood<br>Printed name and<br>4/29/93   | hereby c  |         |   |  | 24             | HOURS                           |                                    | ŏ                                       |                      |  |   |  |
|   | Signature<br>Lee Wood<br>Printed name and title<br>4/29/93   | certify that<br>to the best of  |         |   |  | 0              | WATE                            | Completion                         |   |                      |  |   |  |
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| Teleph  | 915) 6   | above information<br>mowledge and belief  | IT 2    |   |  | 101            | GAS                             | Special                            |   |                      |  | Revis   | Form   |
| Telephone No.                                       | 684-6631   | is true and   |         |   |  | 101000         | GAS - OIL<br>FATIO<br>CU.FT/BBL |                                    |   |                      |  | Revised 1/1/89                                | Form C-116   |

| (See Rule 301, Rule 1116 & appropriate pool rules.) | which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in<br>order that well can be assigned increased allowables when authorized by the Division.<br>Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.<br>Specific gravity base will be 0.60.<br>Report casing pressure in lieu of tubing pressure for any well producing through casing. | Instructions:  |         |        | Cossatot "H" | LEASE NAME                           | Address<br>223 W. Wall, Suite | Operator<br>John H. Hendrix Co |                      | DISTRICT III<br>1000 Rio Brazos Rd., Aztec, NM 87410 | P.O. Box 1980, Hobbs, NM 88240<br>DISTRICT II | Submit 2 copies to Appropriate<br>District Office.                       |
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| propriate   | percent.<br>sed allowa<br>n MCF m<br>tubing pre   |  |         |        | Ч            | NO.L                                 | 525,                          | Corporation                    |                      | -  |   |  |
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|   | through casi  |  |         |        | 2/26/93      | DATE OF<br>TEST                      | 79701                         | Wantz Gr                       | GAS - OIL RATIO TEST | Santa Fe, New Mexico 87504-2088                      | OIL CONSERVATION DIV                          | State of New Mexico<br>Energy, Minerals and Natural Resources Department |
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|   | in the poor in<br>t tolerance in<br>ure of 60° F.   |  |         |        | 35           | . TBG.<br>PRESS.                     | Scheduled                     | þ                              | EST                  | <b>1</b> -2088                                       |   | es Depar   |
| Date  |   |  |         |        | MGW          | ALLOW-                               | Ř                             |                                |                      |  | <b>ISION</b>                                  | tment  |
| Ċ   |   | I hereby certify that the above information complete to the best of my knowledge and belief. |         |        | 24           | HOURS                                | R                             |                                |                      |  |   |  |
|   | Wood<br>ume and title<br>)/93   | certify that   |         |        | ļ            | WATER<br>BBLS.                       | Completion                    | 0                              |                      |  |   |  |
|   |   | of my kno  | E       |        | 36.8         | 0                                    |                               | <sup>County</sup><br>Lea       |                      |  |   |  |
|   | (915)   | above info<br>mowledge a   | EXHIBIT | ······ | ω            | DURING TEST<br>BAV. OIL<br>DIL BBLS. | s                             |                                |                      |  |   |  |
| Telep   | 684   | information<br>dge and belie   | N       |        | 6            | GAS<br>M.C.F.                        | Special                       |                                |                      |  | Kevi  | Form   |
| Telephone No.                                       | 684-6631  | f. true and  |         |        | 2000         | GAS - OIL<br>PATIO<br>CU.FT/BBL      |                               |                                |                      |  | Kevised 1/1/89                                | Form C-116   |



Date: 01-24-93





# (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 Aruly, pelvac Lèe 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

> JOHN H. HENDRIX CORPORATION MIDLAND, TEXAS

OIL CONSERVE ON DIVISION RECEIVED

'93 JUN 1 AM 9 15

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

가장 가가

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: 78 Godbald Representing: Chevron U.S.A. Production Co. Date: 5/26/93

GIL CONSERVE OUN DIVISION RECEIVED

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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

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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: C. N. HARPER -     | PERMITS SUPERVISOR |
|---------------------------------|--------------------|
| Representing: EXXON CO., U.S.A. |                    |
| Date: 5-28-93                   |                    |