191 JUL 15 AM 9 58

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

July 12, 1991

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 Pike Federal Lease Unit A, Section 6, T23S -R38E, Lea County, New Mexico

### Gentlemen:

John H. Hendrix Corporation respectfully requests administrative approval to downhole commingle the Blinebry Oil, Tubb Oil, and Brunson Drinkard Abo South Pools in our Pike Federal No. 1. Approval of this request will protect correlative rights, promote conservation, and encourage the efficient recovery of oil and gas reserves.

Additional data relative to this commingling is listed below:

- (1) A lease plat is attached showing the location of this well. (Exhibit 1)
- (2) A current C-116 is included to show the current status of Blinebry Oil Zone (Exhibit 2), Tubb Oil (Exhibit 3) and the Brunson Drinkard Abo South Zone (Exhibit 4).
- (3) Decline curves for the Blinebry (Exhibit 5), Tubb (Exhibit 6), and Brunson Drinkard Abo South (Exhibit 7) are attached.
- (4) Due to the current configuration of the well bore, it is not possible to obtain a BHP. 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.

- (5) Due to the Brunson Drinkard Abo South Zone being unable to produce, and the fact these zones are commingled in many wells, it is requested that the gas analysis requirement be waived.
- (6) Working interest and royalty ownership in the three pools are the same.
- (7) The following percentages are suggested based on the analysis of past and current production.

	<u>Oil</u>	Expected BOPD	Production Gas	MCFPD
Blinebry	. 22	2	.26	49
Tubb	.56	5	.50	95
Brunson Drinkard Abo South	.22	<u>2</u>	.24	<u>46</u>
Total	1.00	9	1.00	190

The subject well was originally drilled by Amoco as a triple completion in the Blinebry, Tubb, and Brunson Drinkard Abo South. The completion consisted of three strings of tubing and two production packers to isolate the three zones, Exhibit 8.

In January of 1978 the Tubb tubing became plugged off due to paraffin and lost tools. In December, 1979 a 2" plug was set in the Brunson Drinkard Abo South string at 6850' and the Brunson Drinkard Abo South tubing was perforated from 6199' - 6264'. This work left the Brunson Drinkard Abo South temporarily abandoned with the Tubb Zone producing up the original Brunson Drinkard Abo South tubing. Last production for the Blinebry was June, 1982.

Effective February 1, 1987, Petrus Oil Company purchased this property from Amoco Production Company. Effective November 1, 1989, John H. Hendrix Corporation purchased the property from Petrus.

Starting January 26, 1991, John H. Hendrix Corporation started attempting to retrieve the tubing strings and clean them out. In excess of \$100,000 was spent in cleaning out the well due to stuck tubing and packers. Due to the high risk of three tubing strings and two packers getting stuck again, and due to the low productivity of the well, we isolated the Brunson Drinkard Abo South Zone with a RBP set at 6401', and the Blinebry is isolated from Tubb by packer set at 6129'. See Exhibit 9.

This commingling is necessary to permit Blinebry, Tubb and Brunson Drinkard Abo South production that would not otherwise be economically produced. It will also allow more efficient production for all three zones. With the well in a pumped off condition, there will be no cross flow between the three zones.

By copy of this letter we are notifying the offset operators of this proposed commingling. If these operators have no objection, we ask that they execute the attached waiver and return two copies to the N.M.O.C.D. If you have any questions, please call.

Yours very truly,

Ronnie H. Westbrook Vice-President

Exhibits Attached

CC: N.M.O.C.D. District 1 - Hobbs
B.L.M. - Carlsbad
Offset Operators (Certified Mail)

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Submit 2 copies to Appropriate P.O. Drawer DD, Artesia, NM 88210 P.O. Box 1980, Hobbs, NM 88240 DISTRICT District Office. DISTRICT III DISTRICT II

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Revised 1/1/89 Form C-116

# OIL CONSERVATION DIVISION

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

## GAS - OIL RATIO TEST

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## nstructions:

order that well can be assigned increased allowables when authorized by the Division. which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in

. Specific gravity base will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.

Report casing pressure in lieu of tubing pressure for any well producing through casing

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

true and

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

P.O. Drawer DD, Artesia, NM 88210 P.O. Box 1980, Hobbs, NM 88240 District Office. Submit 2 copies to Appropriate DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## Energy, Minerals and Natural Resources Department State of New Mexico

Revised 1/1/89 Form C-116

# OIL CONSERVATION DIVISION

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

## GAS - OIL RATIO TEST

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## Instructions:

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Report casing pressure in lieu of tubing pressure for any well producing through casing.

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

Signature July 12, 1991 Date Printed name and title complete to the best of my knowledge and belief I hereby certify that the above information is Ronnie H. Westbrook - Vice-President (915) 684-6631 Telephone No. true and

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

OIL CONSERVATION DIVISION

P.O. Box 2088

artment

Form C-116 Revised 1/1/89

## Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

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GAS - OIL RATIO CU.FT/BBL	X	

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

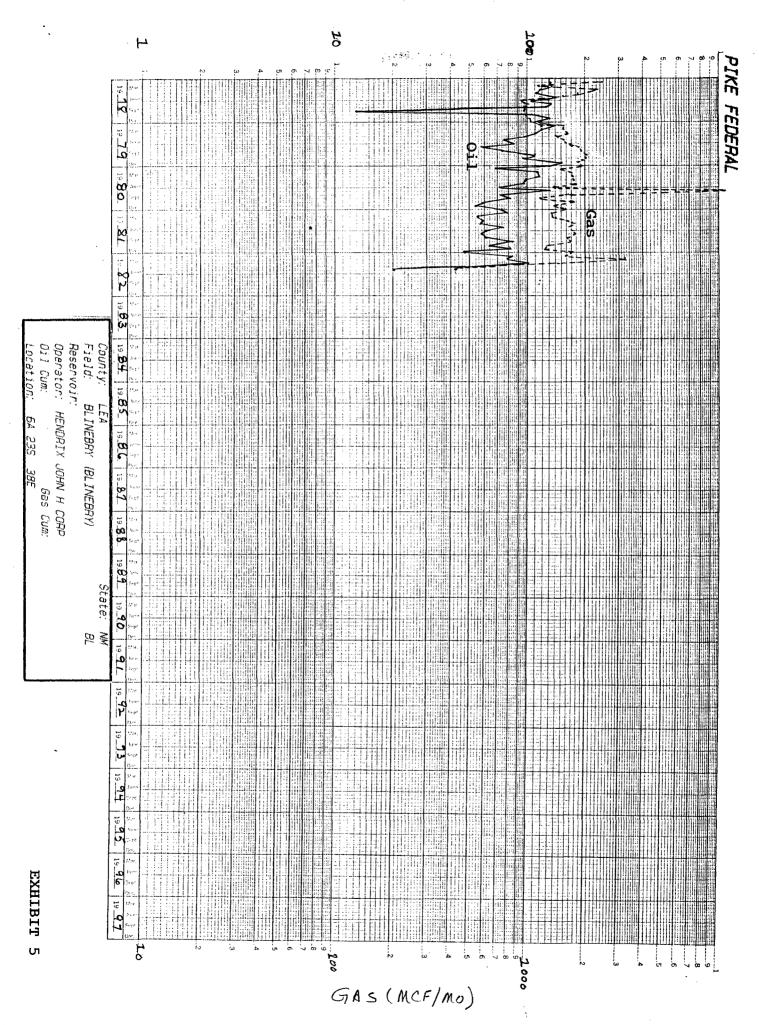
Signature
Ronnie H. Westbrook - Vice-President
Printed name and title

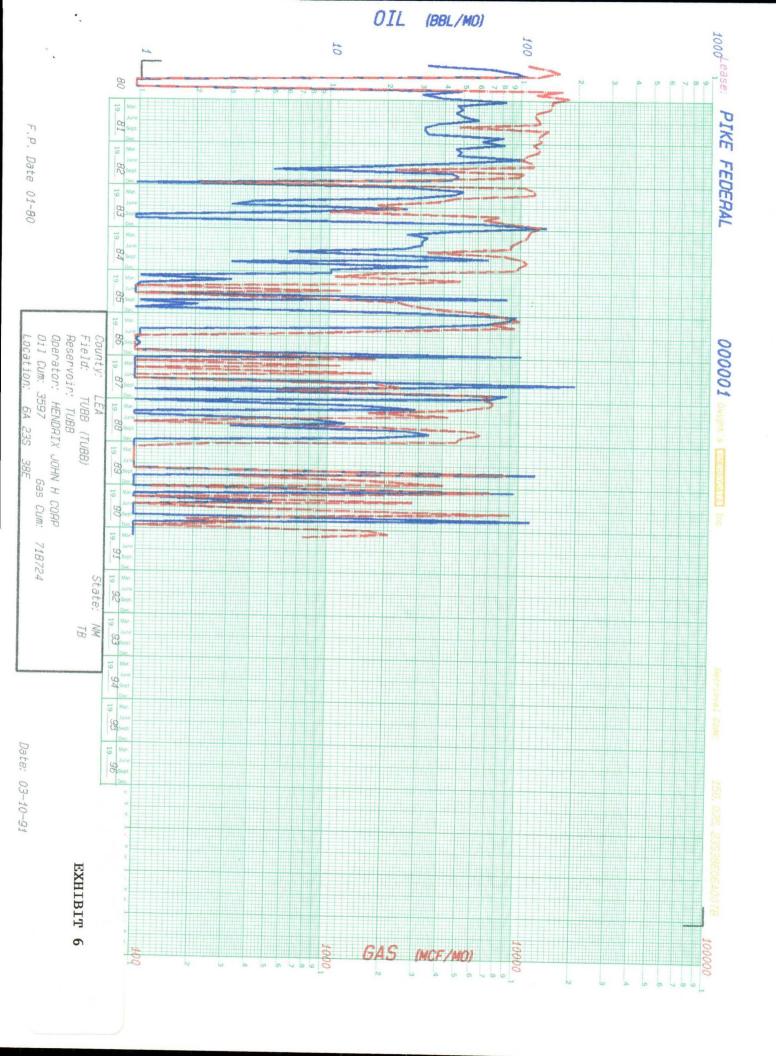
July 12, 1991 (915) 684-6631

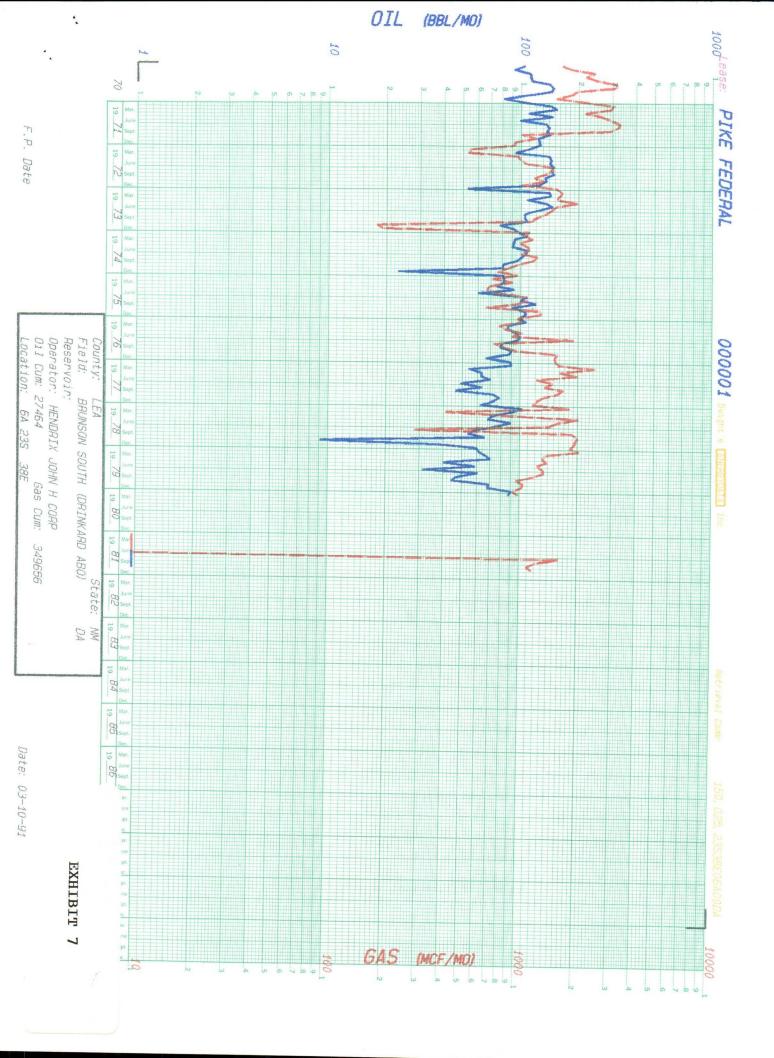
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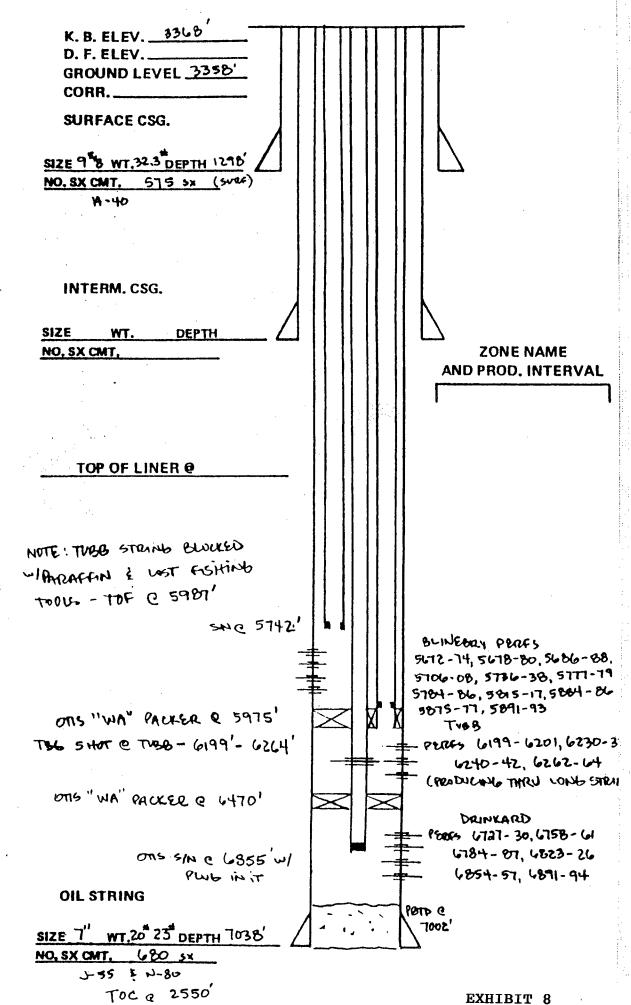
I hereby certify that the above information is true and

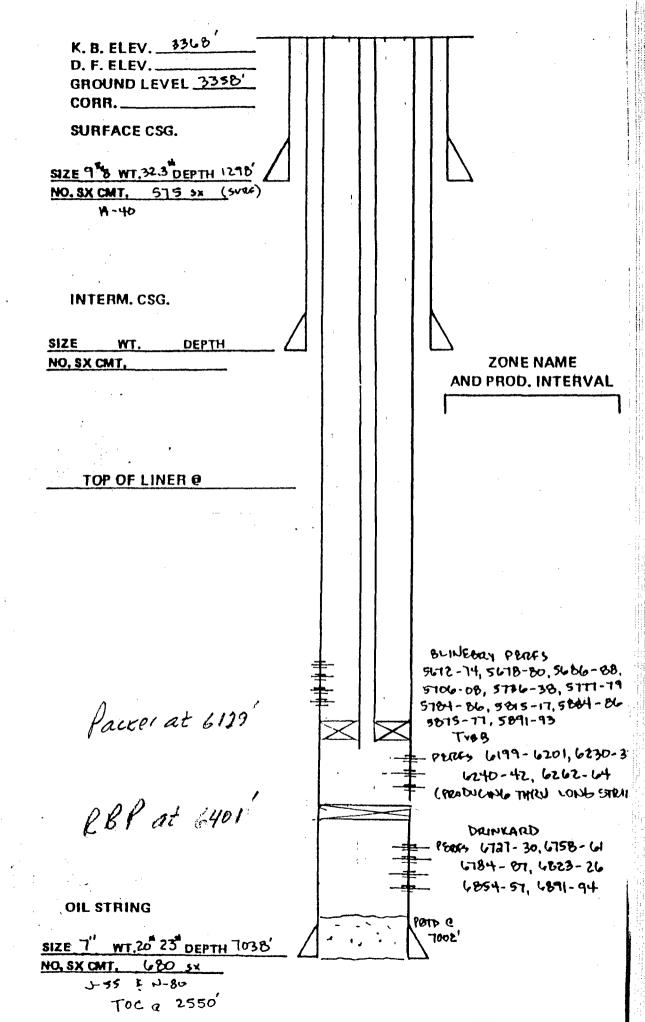
Telephone No.











### OFFSET OPERATORS TO

## JOHN H. HENDRIX CORPORATION'S

### PIKE FEDERAL LEASE

Chevron USA Inc.
P. 0. Box 1150
Midland, TX 79702
Attention: A. W. Bohling
Proration Department

Texaco
P. O. Box 730
Hobbs, NM 88240
Attention: James Head

OXY USA, Inc.
P. O. Box 1919
Midland, TX 79702
Attention: Proration Department
Regulatory Affairs

Texan Petroleum Corporation 2626 Cole Ave. Suite 603 Dallas, TX 75204

Campbell and Hedrick P. O. Box 401 Midland, TX 79701

OIL CONSERV ON DIVISION RECEIVED

'91 JUL 26 AM 9 40

D4C-816

July 12, 1991

RE: Downhole Commingling Request Pike Federal Lease Well No. 1 Unit A, Sec. 6, T23S-38E 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 Blinebry, Brunson Drinkard Abo South and Tubb Pools in the captioned wellbore.

Approved By:	BSStrawser	
Representing:	CHEVRON U.S.A.	
Date:	7/23/21	

OIL CONSERVE ON DIVISION

REC: VED

'91 JUL 26 AM 10 07

July 12, 1991

RE: Downhole Commingling Request Pike Federal Lease Unit A, Sec. 6, T23S-38E 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 Blinebry, Brunson Drinkard Abo South and Tubb Pools in the captioned wellbore.

Approved By: Charles S. Jonguana Representing: OXY USA INC.

Date: 7-22-91 OIL CONSER'S VED RECE VED ON 9 19

July 12, 1991

RE: Downhole Commingling Request Pike Federal Lease Unit A, Sec. 6, T23S-38E 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 Blinebry, Brunson Drinkard Abo South and Tubb Pools in the captioned wellbore.

Approved By:	Canell A Parl	
Representing:	TexAco Erp Inc	
Date: Acg.	16-1991	

OF CONSERV IN DIVISION REC: YED ·91 AUG 12 AM 9 25

July 12, 1991

Downhole Commingling Request RE: Pike Federal Lease

Unit A, Sec. 6, T23S-38E 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 Blinebry, Brunson Drinkard Abo South and Tubb Pools in the captioned wellbore.

Approved By: 1000 redertek Representing: TEXAN PETROLEUM GRA Date: AUGUST 3 1991

OIL CONSERY VED



## STATE OF NEW MEXICO PRESENTE OF NEW MEXICO PRESENTE OF NEW MEXICO STATE OF NEW MEXICO PRESENTE OF NEW MEXICO

## OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

7-15-91

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
RE: Proposed:  MC DHC NSL NSP SWD WFX PMX
Gentlemen:
I have examined the application for the:  Sohn H. Hendrix Corp. Pike Defend # 1-A 6-23-38  Operator Rease & Well No. Unit S-T-R
and my recommendations are as follows:
and my recommendations are as for lows.
Yours very truly,  Jerry Sexton Supervisor, District 1