



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

200 - 816

RE: Proposed:

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

Gentlemen:

I have examined the application for the:

John W. Hendrix Corp. Pike Federal # 1-A 6-23-38
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

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

July 12, 1991

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

N.M.O.C.D.

-3-

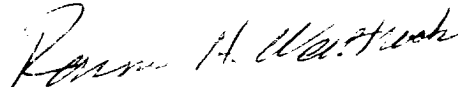
July 12, 1991

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)

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 Blinebry Oil and Gas	County Lea														
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>														
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	CSG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL.	
		U	S	T	R							WATER BBL.	GRAV. OIL	GAS MCF.		
Pike Federal	1	A	6	23	38	6/12/91	P	Open	60	--	24	--	--	1	40	40000

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

7/12/91

(915) 684-6631

Date

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator John H. Hendrix Corporation		Pool Tubb Oil		County Lea											
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X) <input checked="" type="checkbox"/> TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION U S T R		DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER GRAV. OIL BBL.S.		GAS M.C.F. CU.FT/BBL.			
Pike Federal	1	A	6	23S	38E	6/29/91	P	30	M	24	3	38.6	5	95	19000

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 - Vice-President

Printed name and title
Date July 12, 1991 (915) 684-6633
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 John H. Hendrix Corporation		Pool Brunson Drinkard Abo South		County Lea											
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X)		Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	SIZES	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>		GAS - OIL RATIO CU.FT/BBL.
		U	S	T							R	WATER BBL.S	PROD. DURING TEST GRAV. OIL BBL.S	GAS M.C.F.	
Pike Federal	1	A	6	23S	38E										
Well is TA'd															

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 - Vice-President

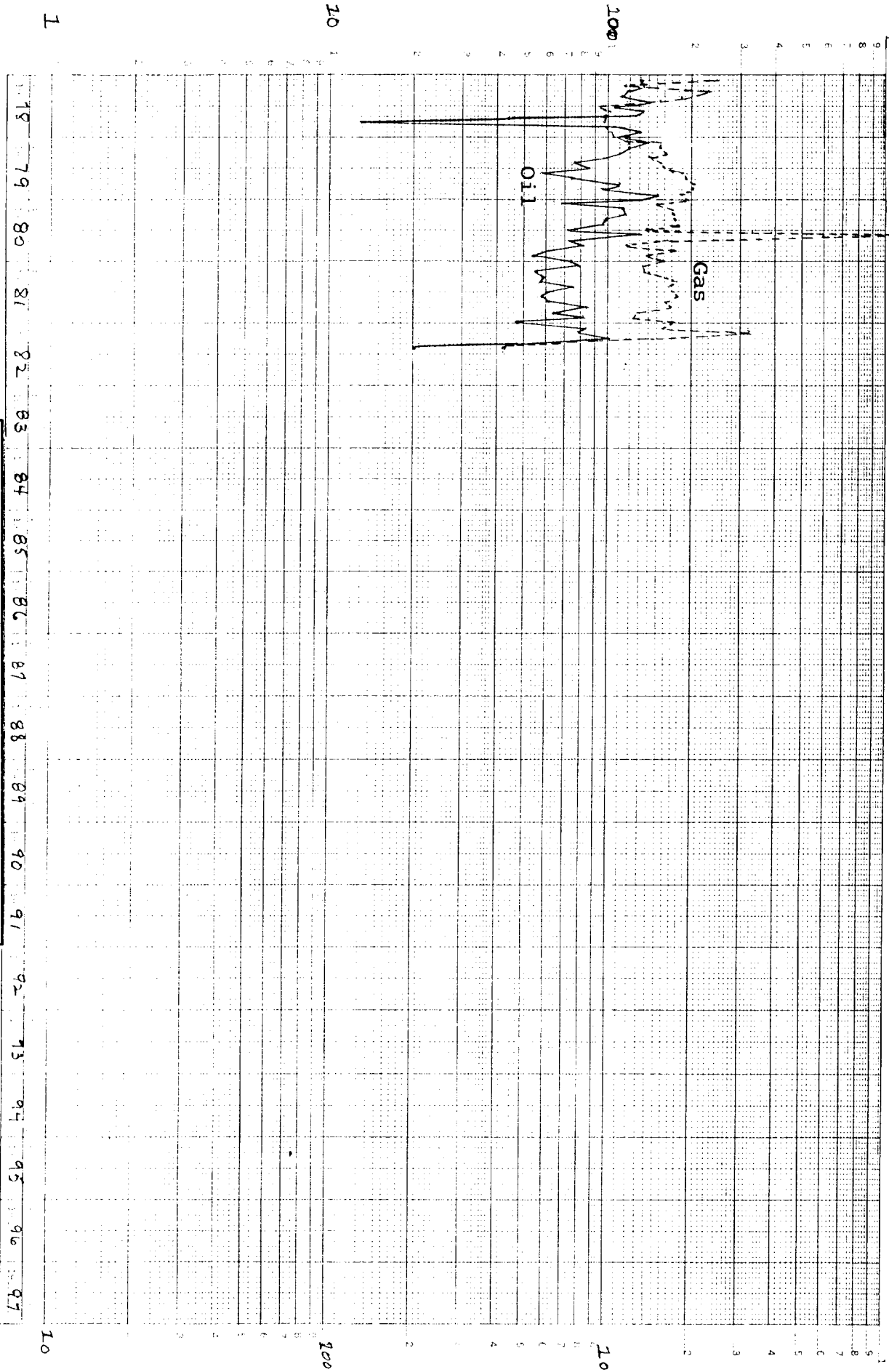
Printed name and title

July 12, 1991 (915) 684-6631

Date Telephone No.

OIL (bbls/mo)

PIKE FEDERAL



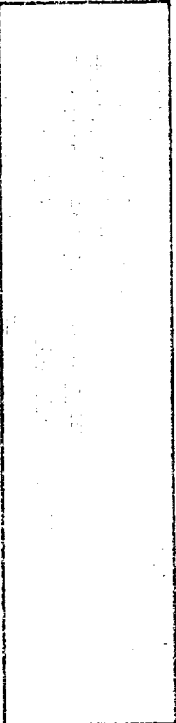
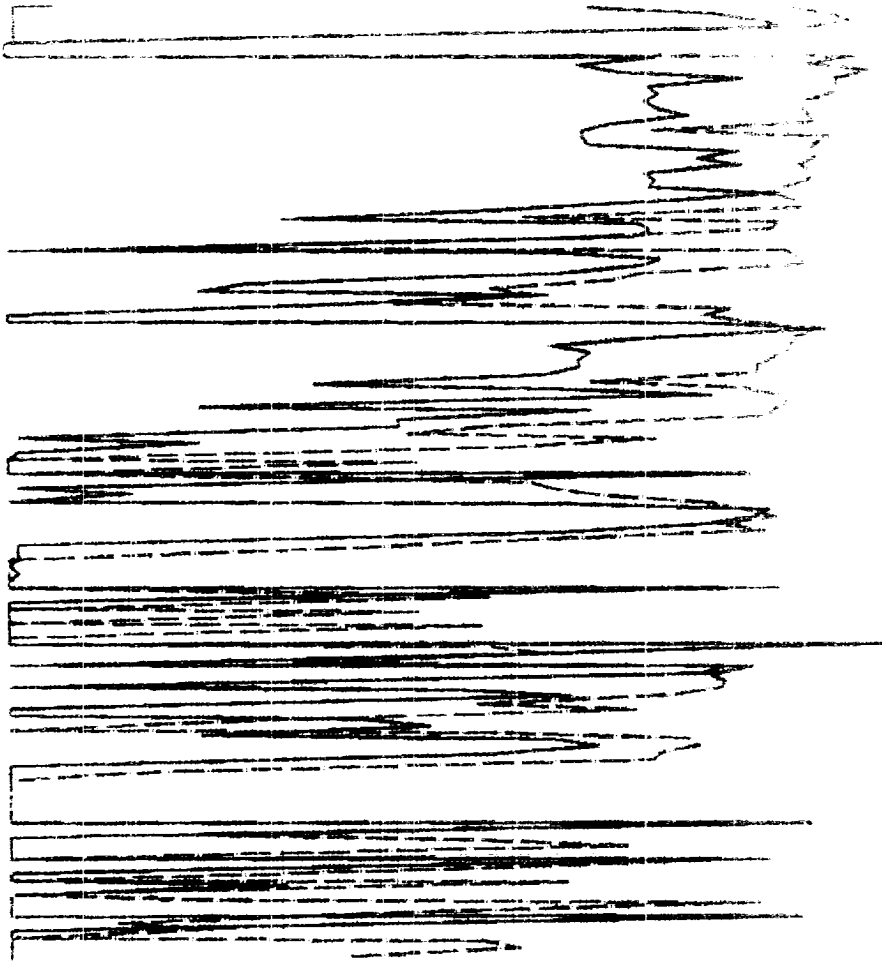
COUNTY: LEA
FIELD: BLINER (BLINER)
RESERVOIR:
OPERATOR: HENDRY JOHN H CORP
OIL CUR: 845 CUR
GAS CUR: 845 CUR

STATE: NM
BL

OIL (BBL/MO)

PIKE FEDERAL

000001



GAS (MCF/MO)

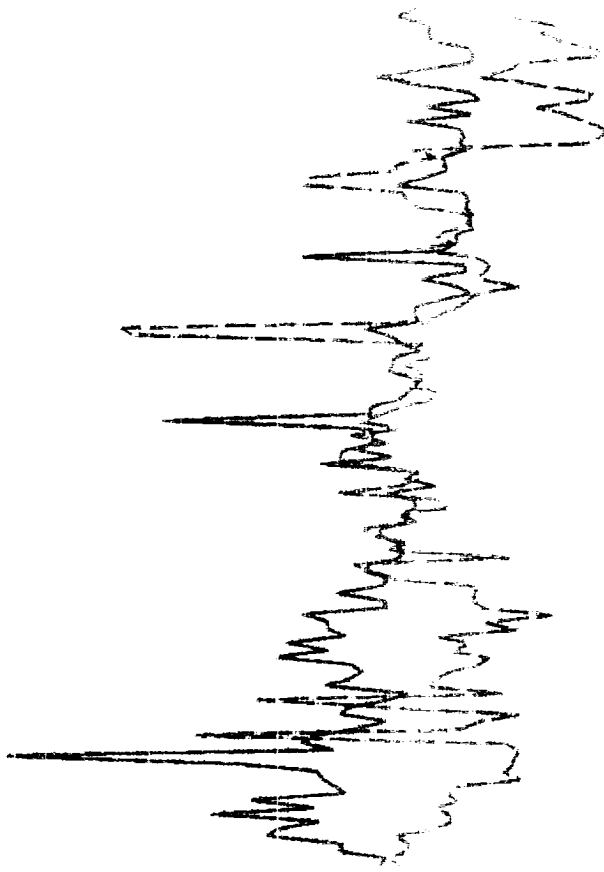
EXHIBIT 6

OIL (BBL/MO)

100

PIKE FEDERAL

000001



GAS (MCF/MO)

7

EXHIBIT 7

K. B. ELEV. 3368'
 D. F. ELEV. _____
 GROUND LEVEL 3358'
 CORR. _____

SURFACE CSG.

SIZE 9 7/8 WT. 32.3 DEPTH 1298'
 NO. SX CMT. 575 SX (SURF)
 A-40

INTERM. CSG.

SIZE _____ WT. _____ DEPTH _____
 NO. SX CMT. _____

ZONE NAME
 AND PROD. INTERVAL

TOP OF LINER @

NOTE: TUBS STRINGS BLOCKED
 w/ PARAFFIN & LAST FISHING
 TOOLS - TOP @ 5987'

SIN @ 5742'

ONS "WA" PACKER @ 5975'
 TUB SHOT @ TUBS - 6199' - 6264'

ONS "WA" PACKER @ 6470'

ONS SIN @ 6855' w/
 PLW in IT

OIL STRING

SIZE 7" WT. 20 23 DEPTH 7038'
 NO. SX CMT. 680 SX

J-55 & N-80

TOC @ 2550'

BLINEBY PERFS
 5672-74, 5678-80, 5686-88,
 5706-08, 5736-38, 5771-79
 5784-86, 5815-17, 5864-86
 5875-77, 5891-93
 TUBS

PERFS 6199-6201, 6230-3
 6240-42, 6262-64
 (PRODUCING THRU LONG STR)

DRINKARD

PERFS 6727-30, 6758-61
 6784-87, 6823-26
 6854-57, 6891-94

PORT @
 7002'

K. B. ELEV. 3368'
 D. F. ELEV. _____
 GROUND LEVEL 3358'
 CORR. _____

SURFACE CSG.

SIZE 7 7/8 WT. 32.3 DEPTH 1298'
 NO. SX CMT. 575 SX (surf)
 A-40

INTERM. CSG.

SIZE _____ WT. _____ DEPTH _____
 NO. SX CMT. _____

ZONE NAME
 AND PROD. INTERVAL

TOP OF LINER @

Packer at 6129'

RBP at 6401'

OIL STRING

SIZE 7" WT. 20 23 DEPTH 7038'
 NO. SX CMT. 680 SX

J-55 & J-80

TOC @ 2550'

BLINER PERFS
 5612-74, 5678-80, 5686-88,
 5706-08, 5786-38, 5771-74
 5784-86, 5815-17, 5884-86
 5875-77, 5891-93

TVSS

PERFS 6199-6201, 6230-3
 6240-42, 6262-64
 (PRODUCES THRU LONG STEN)

DRINKARD

PERFS 6727-30, 6758-61
 6784-87, 6823-26
 6854-57, 6871-94

PORT @
 7002'

OFFSET OPERATORS TO
JOHN H. HENDRIX CORPORATION'S
PIKE FEDERAL LEASE

Chevron USA Inc.
P. O. 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

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 Blinbry, Brunson Drinkard Abo South and Tubb Pools in the captioned wellbore.

Approved By:

Richard E. Foggiano

Representing:

OXY USA Inc.

Date:

7-22-91

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: B. S. Strawser

Representing: CHEVRON U.S.A. INC.

Date: 7/23/91

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: V. W. Niederhagen

Representing: TEXAN PETROLEUM CORP.

Date: AUGUST 2, 1991