



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

2-21-92

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 X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

John H. Hendrix Corp. Western Federal #1-D 5-23-38
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Jerry Sexton 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

February 19, 1992

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
Western Federal Lease
Unit D, Section 5, T23S -
R38E, Lea County, New Mexico

Gentlemen:

John H. Hendrix Corporation respectfully requests administrative approval to downhole commingle the Tubb Gas with previously approved downhole commingling of Blinebry and Brunson Drinkard Abo, South production. 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 Gas (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

February 19, 1992

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 Blinebry and Brunson Drinkard Abo South Zones being already commingled, and the fact these zones are commingled in many wells, it is requested that the gas analysis requirements be waived.

(6) Working interest and royalty ownership in the three zones is the same.

(7) The following percentages are suggested based on the analysis of past and current production.

	Anticipated Production			MCFPD
	Oil %	BOPD	Gas %	
Blinebry	50%	3	.333	15
Tubb		0	.333	15
Brunson Drinkard Abo South	<u>50%</u>	<u>3</u>	<u>.334</u>	<u>15</u>
Total	1.00%	6	1.000	45

The subject well was initially completed as a triple in the Blinebry, Tubb, and Drinkard pools, approved by Commission Order No. R-1765, dated September 2, 1960. This well was originally drilled and completed by Allied Chemical Corporation - Union Texas Petroleum Division. In April, 1976, Union Texas Petroleum applied for and received approval to downhole commingle Blinebry and Drinkard Pools. This was approved in Administrative Order No. DHC-192. (Exhibit No. 8). This DHC was accomplished by means shown in Exhibit No. 9. Operations continued unchanged until John H. Hendrix Corporation acquired a working interest and operation in October 1985. Operations continued with the Blinebry-Brunson-Drinkard Abo, South downhole commingled and the Tubb segregated by packer until February, 1992. Due to Tubb Zone inability to produce remedial operations were initiated in February, 1992, with both tubing strings and both packers being removed. The Tubb Zone has been acidized with 2500 gallons and tested 15 MCFPD. A decision had to be made to either commingle the Tubb

N.M.O.C.D.

-3-

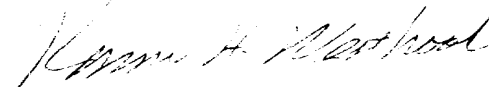
February 19, 1992

with the Blinebry-Brunson Drinkard Abo, South or squeeze the Tubb. In the interest of conservation and economics, this is a request to downhole commingle Blinebry - Tubb and Brunson Drinkard Abo, South.

This commingling is necessary to permit Blinebry, Tubb, and Brunson Drinkard Abo., South production that would not otherwise be economically produced. It will 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 and the Bureau of Land Management. 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. If you have any questions, please call me at (915) 684-6631.

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)

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

OIL CONSERVATION DIVISION

GAS-OIL RATIO TEST

Operator		Pool		County											
John H. Hendrix Corporation		Blinebry Oil and Gas		Lea											
Address		TYPE OF TEST - (X)		Completion		Special									
223 W. Wall, Suite 525, Midland, TX 79701		☒		☐		☒									
LEASE NAME	WELL NO.	LOCATION		DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU FT/88L.				
		U	S	T	R				WATER PHS	GRAV. OIL	OIL BRLS.	GAS M.C.F.			
Western Federal	1	D	5	23S	38E	1/10/92 P	-	30	--	24	0	38.4	3	15	5000

EXHIBIT NO. 2

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.

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

2/13/92

(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

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 Tubb Gas		County Lea											
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X)		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 DTLG. GAS MCF. GAS RATIO CU FT/8BL.						
Western Federal	1	D	5	23S	38E	2/11/92	Open	15	-	24	0	-	0	15	---
EXHIBIT NO. 3															

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

(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

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 Brunson Drinkard Abo, S.		County Lea												
Address 223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST - (X) ☒ Scheduled ☐		Completion ☐ Special ☒												
LEASE NAME	WELL NO.	LOCATION U S T R		DATE OF TEST	STATUS	CHOKE SIZE	TBQ. PRESS.	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBL.S. GRAV. OIL BBL.S.		GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL.			
Western Federal	1	D 5		23S	38E	1/10/92	P	-	30	--	24	0	3	38.4	15	5000

EXHIBIT NO. 4

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.

Ronnie H. Westbrook
Signature
Ronnie H. Westbrook-Vice-President
Printed name and title
2/13/92 (915) 684-6631
Date Telephone No.

WESTERN FEDERAL

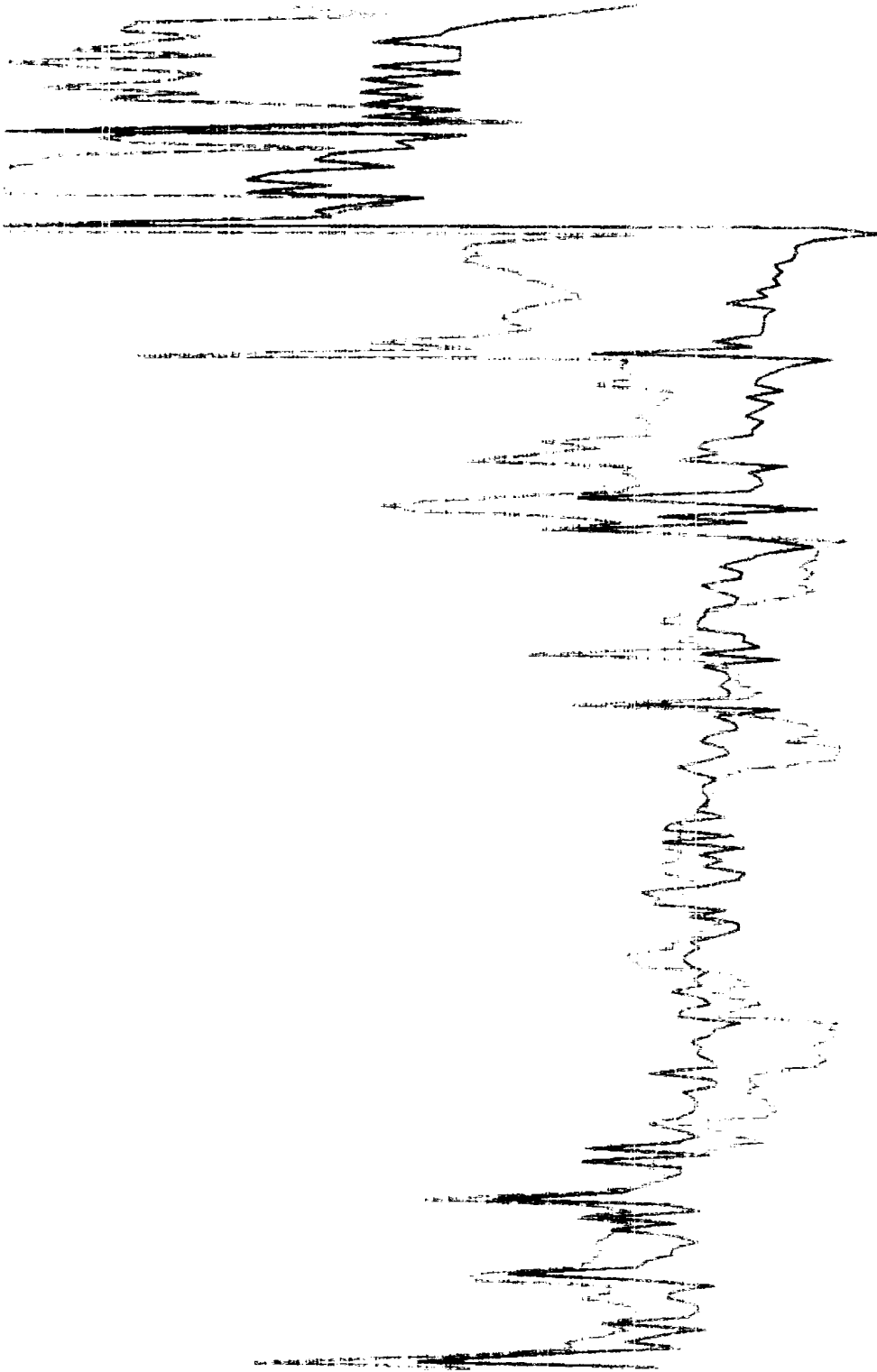
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EXHIBIT NO. 5

WESTERN FEDERAL

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SEE IMPACT

EXHIBIT NO. 7



DIRECTOR
JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

LAND COMMISSIONER
PHIL R. LUCERO



STATE GEOLOGIST
EMERY C. ARNOLD

May 5, 1976

Union Texas Petroleum
1300 Wilco Building
Midland, Texas 79701

Attention: Mr. C. M. Heard

Administrative Order No. DMC-192
Western Federal Well No. 1, Unit D,
Section 5, Township 23 South,
Range 38 East, NMPM, Lea County,
New Mexico, Blinbry Oil & Gas and
Brinkard Pools

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Commission Rules and Regulations for the subject dually completed well to permit the removal of the down-hole separation equipment and to commingle the production from both pools in the well-bore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such down-hole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and Commission Order No. R-1765, which authorized the dual completion and required separation of the zones, is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C, total commingled oil production from the subject well shall not exceed 40 barrels per day, and total water production from the well shall not exceed 80 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by multiplying 6000 by top unit allowable for the Brinkard Pool.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Upper Pool: 50%
Lower Pool: 50%

Pursuant to Rule 303-C 5, the commingling authority granted by this order may be rescinded by the Secretary-Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,

JOE D. RAMEY
Secretary-Director

EXHIBIT NO. 8

JOHN H. HENDRIX CORPORATION

WESTERN FEDERAL NO. 1

UNIT D SEC. 5; T-23-S, R-38-E
LEA COUNTY, NEW MEXICO

