

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Garrey Carruthers
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ADMINISTRATIVE ORDER DHC-747

Conoco, Inc.
P.O. Box 460
Hobbs, NM 88240

Attention: David L. Wacker

RECEIVED
JAN 23 1990
OIL CON. DIV
DIST. 3

Jicarilla "22" No. 12
Unit H, Section 15, Township 25 North, Range 4 West, NMPM, Rio
Arriba County, New Mexico.
West Lindrith Gallup-Dakota and Blanco Mesaverde Pools

Dear Mr. Wacker:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

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 downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 60 barrels per day, and total water production shall not exceed 120 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

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

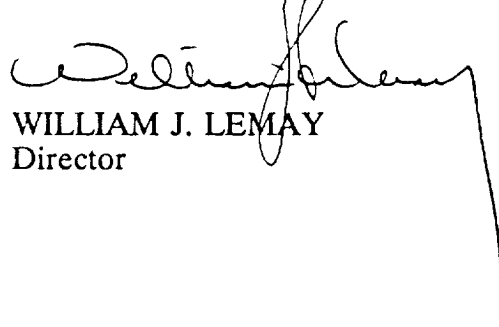
Mesaverde Pool:	Oil 33%, Gas 61%
Gallup-Dakota Pool:	Oil 67%, Gas 39%

Administrative Order DHC-747
Conoco, Inc.
January 17, 1990
Page 2

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 17th day of January, 1990.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L



David L. Wacker
Division Manager
Hobbs Division
Exploration and Production, North America

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

November 21, 1989

Mr. William LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

RECEIVED
DEC 04 1989
OIL CON. DIV.
DIST. 3

Dear Mr. LeMay:

Application to Downhole Commingle
Jicarilla 22 No. 12, Unit H, Sec. 15,
T25N, R4W, Rio Arriba County, New Mexico

Conoco Inc. respectfully requests approval to downhole commingle the West Lindrith Gallup/Dakota Oil Pool with the Blanco Mesaverde Gas Pool.

Data relative to this commingling is listed below:

1. A lease plat (see Attachment 1).
2. C-116's are included providing the most recent tests for each zone (Attachments 2 and 3).
3. Decline curves for each horizon (Attachments 4 and 5).
4. The shut-in bottomhole pressure of the Mesaverde adjusted to the bottom of the Gallup/Dakota zone is 935.8 psi. The shut-in bottomhole pressure of the Gallup/Dakota zone in the Jicarilla 22 No. 12 could not be obtained because the zone is currently isolated below a retrievable bridge plug. However, the bottomhole pressure of the Gallup/Dakota zone in the nearby Jicarilla 22 No. 6 is 784 psi. The pressure obtained from the Jicarilla 22 No. 6 should be representative of the bottomhole pressure of the Jicarilla 22 No. 12.
5. Royalty and working interests are the same in both formations.
6. The quality and other characteristics of the oil and gas is similar and downhole commingling will not reduce the commercial value or create any operational problems associated with incompatible fluids. In fact, Conoco has already received NMOCD approval by Order PC-754 to surface commingle production from the Mesaverde and Gallup/Dakota formations in a common tank battery and in a common gas sales line (see Attachment 6).

Mr. William LeMay, Director

Page 2

November 21, 1989

7. The following allocation percentages are suggested based upon the ratio of production from each zone:

	<u>Oil</u>	<u>Gas</u>
Mesaverde	33%	61%
Gallup/Dakota	67%	39%

8. By copy of this letter we are notifying the Bureau of Land Management of the proposed commingling. Conoco is the only offset operator to this well.

Yours very truly,



David L. Wacker
Division Manager

KLL:jd

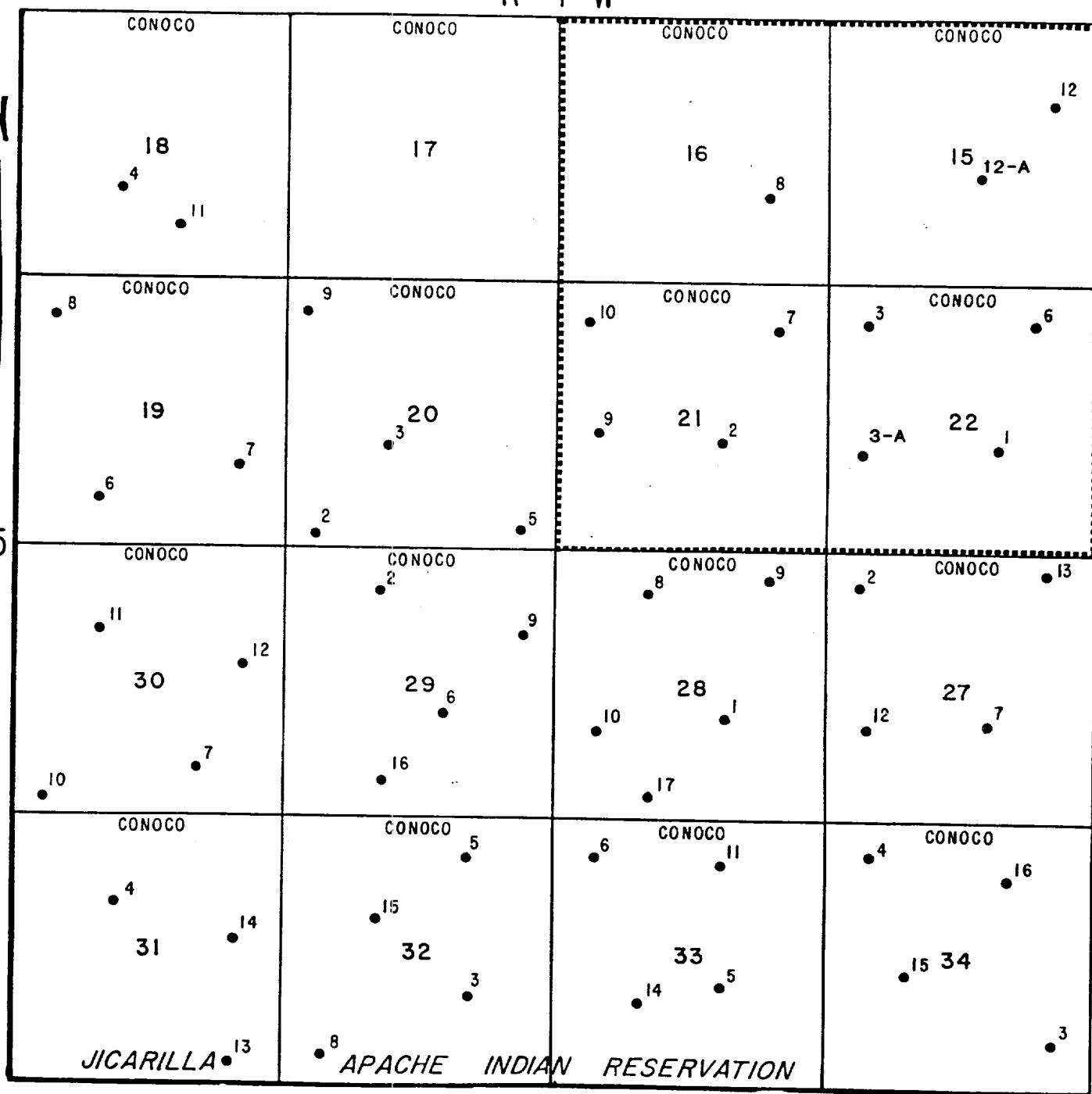
Enc.

cc:

BLM-Farmington

NMOCD-Aztec

N
T
25
N



PRODUCTION
DEPARTMENT

conoco

HOBBS
DIVISION

JICARILLA 22 LEASE
.....
REQUEST TO DOWNHOLE COMMINGLE
MESAVERDE AND GALLUP/DAKOTA
PRODUCTION
RIO ARriba COUNTY, NEW MEXICO

SCALE
0 1000 2000'

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 Conoco Inc.		Pool Blanco Mesaverde		County Rio Arriba											
Address P.O. Box 460 - Hobbs, NM 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME Jicarilla 22	WELL NO. 12	LOCATION				DATE OF TEST 3/14/89 PL	STATUS	CHOKE SIZE 1.75	TBG. PRESS. 60	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU/FT/BBL
		U	S	T	R							WATER BBLs.	GRAV. OIL	OIL BBLs.	

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

W.W. Baker

W.W. Baker - Administrative Supervisor

Printed name and title

November 20, 1989 397-5800

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 Conoco Inc.		Pool Lindrieth Gallup/Dakota West		County Rio Arriba												
Address P.O. Box 460 - Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.		
		U	S	T							R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.	GAS M.C.F.
Jicarilla 22	12	H	15	25N	4W	7/23/88	PL	1.75	60		24	2	55.0	4	86	21500

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 W.W. Baker
W.W. Baker - Administrative Supervisor

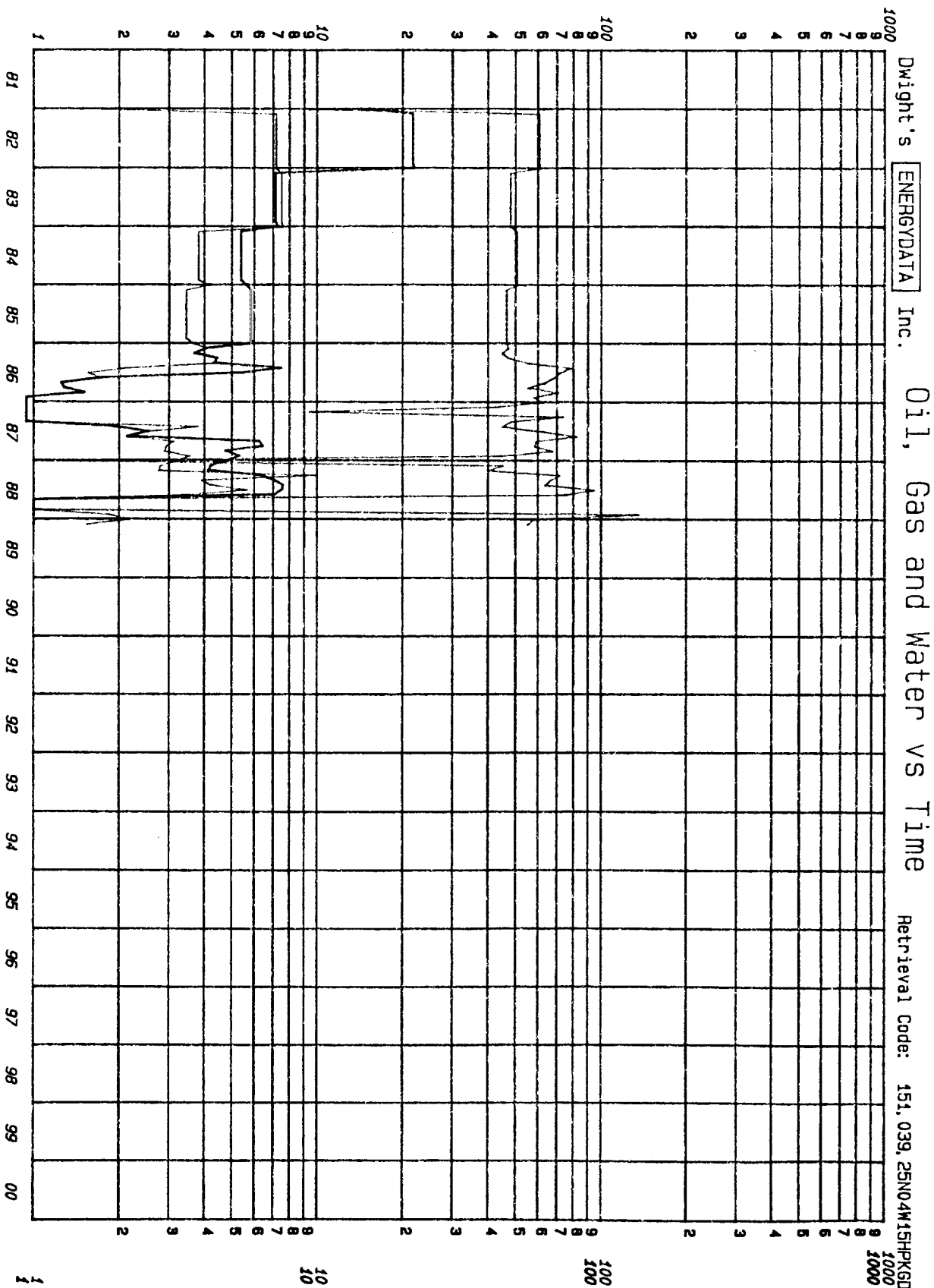
Printed name and title

November 20, 1989 397-5800

Date Telephone No.

DAILY OIL PRODUCTION (BBL/DAY)

LEGEND	
OIL	—
GAS	—
WATER	—



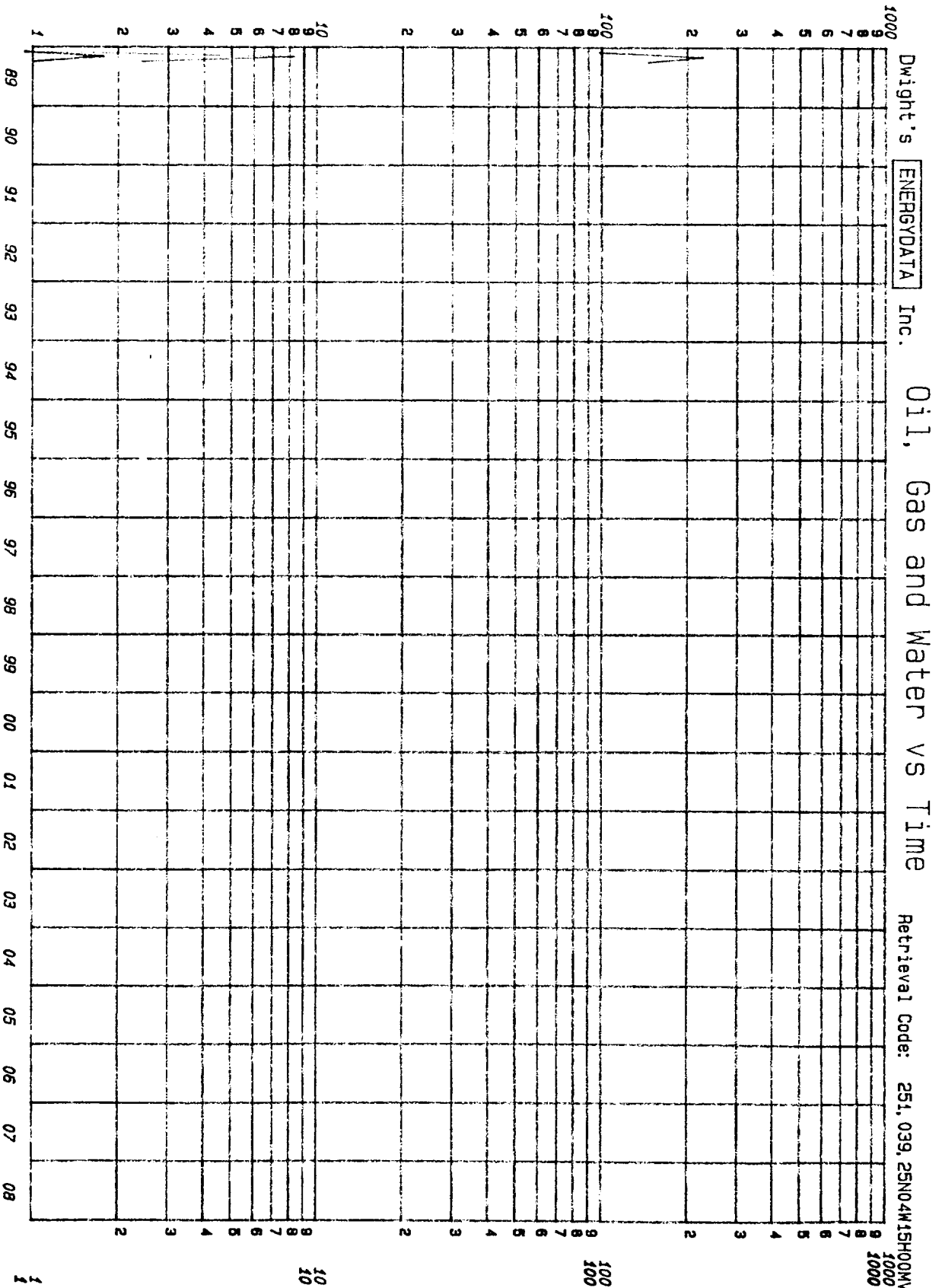
DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

Lease: JICARILLA 22
 Well #: 000012
 Operator: CONOCO INC
 Field: LINDRITH GALLUP-DAKOTA, WEST
 Reservoir:
 County: RIO ARriba NM
 Location: 15 25N 4W

Date: 09-28-89

DAILY OIL PRODUCTION (BBL/DAY)

LEGEND	
OIL	—
GAS	—
WATER	—



DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

Lease: JICARILLA 22
 Well # 000012
 Operator: CONOCO INC
 Field: BLANCO MESAVERT (PRORATED GAS)
 Reservoir:
 County: RIO ARriba NM
 Location: 15 25N 4W

Date: 09-28-89



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

28 11/10

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

COMMINGLING ORDER PC-754

Conoco, Inc.
P.O. Box 460
Hobbs, NM 88240

Attention: David L. Wacker


LEASE NAME: Jicarilla "22" Lease
DESCRIPTION: Sections 15, 16, 21 and 22, Township 25 North,
Range 4 West, NMPM, Rio Arriba County, New Mexico.

The above-named company is hereby authorized to commingle West Lindrith Gallup Dakota and Blanco Mesaverde Pool production in a common tank battery and in a common gas sales line and to determine the production from each pool by well tests. (All commingled production must be of marginal nature; further the operator shall notify the Santa Fe Office of the Division in the event any well in the commingled battery becomes capable of top allowable production, at which time the Division will amend this order or take such other action as may be appropriate.)

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

REMARKS: Gas production from current or future Mesaverde gas wells shall be separated and metered prior to being commingled in a common sales line.

DONE at Santa Fe, New Mexico, on this 26th day of October, 1988.


WILLIAM J. LEMAY,
Division Director