

375 U.S. Highway 64 Farmington, New Mexico 87401 Telephone (505) 325-3587

February 9, 1987

Mr. William J. LeMay
N.M. Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: Jicarilla H #12M 1695' FSL; 990' FEL Section 17, T26N-R4W Rio Arriba County, NM

Dear Mr. LeMay:

Union Texas Petroleum Corporation is applying for an administrative downhole commingling order for the referenced well in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde fields, as per Order #R-7508. The ownership of the zones to be commingled is common. The offset operators are Amoco, Southern Union, Meridian Oil and Columbus Energy. The Bureau of Land Management and these offset operators will receive notification of this proposed downhole commingling.

The referenced well was completed on November 30, 1986. The Dakota zone was perforated with 29 holes from 7650' to 7729' and fraced with 100,000# of sand in 20# crosslinked gel water. The Gallup interval was perforated from 7063' to 7073' with 4 shots per foot and fraced with 40,000# of sand in slick water. The Mesaverde was perforated from 5002' to 5600' with 31 holes and fraced with 150,000# of sand in slick water.

The attached initial potential test, which includes all three zones together, indicates that this well is only marginal with a Q=1124 MCF/D and a CAOF of 2318 MCF/D. Pitot test gauges during the well's completion operations indicate that all three producing intervals contribute to the total production: Mesaverde 43%, Gallup 25%, and Dakota 32%. Since the well is cased with only 4-1/2" pipe, to triple complete would be impossible. A dual completion would introduce waste since at least one side would be too weak to produce, or one interval would have to be squeezed, or both.

The following table lists other wells on our Jicarilla H lease that are commingled. These wells have not experienced any detrimental effects due to the commingling.

Well	Location	Formation	Comminant O	ngle Date rder
Jicarilla H #7	K 19 26 4	Gal-DK	9/81	R-5861
Jicarilla H #7E	D 19 26 4	MV-Gal-DK	4/84	R-7508
Jicarilla H #12	A 17 26 4	Gal-DK	4/84	R-7509
Jicarilla H #8	K 19 26 4	Gal-DK	8/85	DHC-562

The reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed downhole commingling. The fluids from each zone are compatible and no precipitates will be formed to cause damage to either reservoir. The daily production will not exceed the limit of Rule 303c, Section 1a, Part 1. Both fluids have an API oil gravity close to 58°. The initial shut-in casing pressures for the Mesaverde, Gallup and Dakota are 900 psi, 950 psi and 1550 psi, respectively.

The District Office in Aztec will be notified anytime the commingled well is shut-in for seven (7) consecutive days.

To allocate the commingled production to each of the zones, Union Texas Petroleum will consult with the District Supervisor of the Aztec District Office of the Division to determine an allocation formula for each of the productive zones.

Included with this letter is a plat showing ownership of offsetting leases, letters to the offset operators, wellbore diagram, and data sheet.

Yours truly,

P. M. Pippin

Production Engineer

PMP:1mg

cc: Frank Chavez-OCD

#### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINIERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

# P O BOX 2088

Form C-122 Revised 10-1-78

## MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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## UNION TEXAS PETROLEUM CORPORATION

## Jicarilla H #12M

# Mesaverde-Gallup-Dakota Commingle Application Rio Arriba County

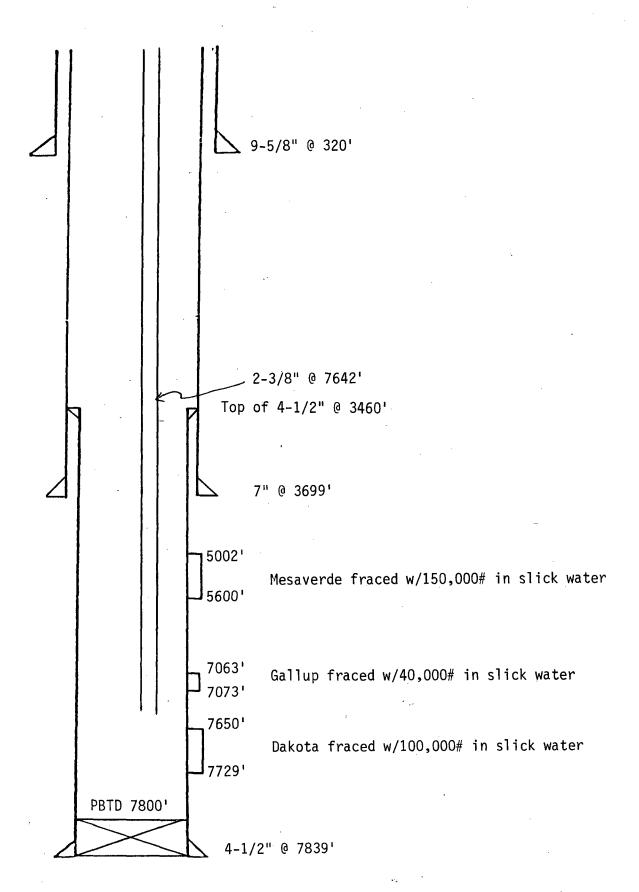
New Mexico

8 Meridian Columbus	9 Amoco
17	16
UTP	So. Union
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UTP	So. Union

T26N

R4W

1695' FSL; 990' FEL Section 17, T26N-R4W Rio Arriba County, NM Elevation: 6706' G.L.



#### WORKOVER DATA SHEET

WELL NAME Jicarilla H #12M

DATE 2/09/87

LOCATION

1695' FSL; 990' FEL, Section 17, T26N-R4W

DATUM KB (12' above G.L.)

Rio Arriba County, New Mexico

ELEVATION 6707

6707' G.L.

TOTAL DEPTH 7839'

FIELD FORMATION Blanco Mesaverde

Wildhorse Gallup Basin Dakota UNICON W.I. 50%

COMPLETED

INITIAL POTENTIAL

PLUG BACK TOTAL DEPTH

11-30-86

SICP = 626 PSI

Q = 1124 MCF/D

7800'

AOF = 2318 MCF/D

CASING RECORD	CASING SIZE	WT. & GRADE	DEPTH SET	CEMENT	TOP CEMEN
	9-5/8"	40.0# K-55	320'	175 sxs	Circ. cmt
	7"	23.0# K-55	3699'	305 sxs	Top cmt @2500'
	4-1/2"	10.50# K-55	3460'-7839'	550 sxs	Circ. cmt

TUBING RECORD

2-3-8"

4.7# J-55

7642

#### WELL HEAD

#### LOGGING RECORD

Induction and Neutron Density

#### STIMULATIONS

Dakota (7650'-7729') w/29 holes & fraced w/100,000# sand in 20# crosslinked gel water.

Gallup (7063'-7073')  $\bar{w}/4$  spf & fraced  $\bar{w}/40,000\#$  sand in slick water. Mesaverde (5002'-5600')  $\bar{w}/31$  holes & fraced  $\bar{w}/150,000\#$  sand in slick water.

#### WORKOVER HISTORY

None

#### PRODUCTION HISTORY

None



February 9, 1987

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

Bureau of Land Management Caller Service 4104 Farmington, New Mexico 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla H #12M well located 1695' FSL, 990' FEL, Section 17, T26N-R4W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin

Production Engineer

PMP:1mg

Date:	,			
vate.	,			



February 9, 1987

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

Amoco Production Company 501 Airport Drive Farmington, New Mexico 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla H #12M well located 1695' FSL, 990' FEL, Section 17, T26N-R4W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde.

The purpose of this letter is to notify you of such action, as our records indicate that you are the owner and operator of acreage which adjoins the area in which the downhole commingling is requested. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin

Production Engineer

PMP:1mg

	 <del></del> -	 	
Date:		 	



February 9, 1987

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

Columbus Energy Corporation P. O. Box 2038 Farmington, New Mexico 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla H #12M well located 1695' FSL, 990' FEL, Section 17, T26N-R4W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde.

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Yours truly,

P. M. Pippin

**Production Engineer** 

PMP:1mg

Date:	 	



February 9, 1987

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

Meridian Oil, Inc. 3535 East 30th Street P. O. Box 4289 Farmington, New Mexico 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla H #12M well located 1695' FSL, 990' FEL, Section 17, T26N-R4W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde.

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Yours truly,

P. M. Pippin

Production Engineer

PMP:1mg

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Date:	 		 	



February 9, 1987

375 U.S. Highway 64
Farmington. New Mexico 87401
Telephone (505) 325-3587

Southern Union Exploration Company P. O. Box 2179 Farmington, New Mexico 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla H #12M well located 1695' FSL, 990' FEL, Section 17, T26N-R4W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota, Wildhorse Gallup and Blanco Mesaverde.

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Yours truly,

P. M. Pippin

Production Engineer

PMP:1mg

Date:	



## STATE OF NEW MEXICO

## ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

MAR - 2 1987

CIL CONSERVATION DIVISION

SANTA FE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

BOX 2	CONSERVATI 2088 A FE, NEW		
DATE_	2-77	-87	
RE:	Proposed Proposed		<del></del>
	Proposed		
	Proposed	SWD	
	Proposed	WFX	
	Proposed	PMX	

Gentlemen:
I have examined the application dated 2/11/87
for the 7.7. Promilla St 4/2M I-15-26N-4W  Departor Lease and Well No. Unit, S-T-8
Operator/ Lease and Well No. Unit, S-T-A
and my recommendations are as follows:
Agnore
,
Yours truly,