



~~Southern~~  
~~Rockies~~  
~~Business~~  
~~Unit~~

July 29, 1996

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P. O. Box 6429  
Santa Fe, NM 87505

**Application for Exception to Rule 303-A**  
**Downhole Commingling**  
**Jicarilla Contract 146 Well #11E**  
**Unit O Section 4-T25N-R5W**  
**Basin Dakota and Blanco Mesaverde Pools**  
**San Juan County, New Mexico**

**RECEIVED**  
AUG - 1 1996

**OIL CON. DIV.**  
**DIST. 3**

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,

Pamela W. Staley

Enclosures

cc: Steve Smethie  
Patty Haelele  
Wellfile  
Proration File

Frank Chavez, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Robert Kent  
Bureau of Land Management  
435 Montano NE  
Albuquerque, NM 87107

DISTRICT I  
P.O. Box 1980, Hobbs NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-A  
New 3-12-96

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

DISTRICT II  
811 South First St., Artesia, NM 88210-2835

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

☒ Administrative ☐ Hearing

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410-1893

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
☒ YES ☐ NO

Amoco Production Company

P.O. Box 800 Denver, CO 80201

Operator

Address

Jicarilla Apache 146

11E

Unit O Section 4-T25N-R5W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000738 API NO. 3003922520 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO MESAVERDE 72319		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	5190' - 5350'	RECEIVED AUG - 1 1996	7183' - 7369'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	OIL CON. DIV. DIST. 3	FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	a. (Current) 851 PSI b. (Original) 1402 PSI	a. b.	a. 1212 PSI b. 2976 PSI
6. Oil Gravity (* API) or Gas BTU Content	1283 BTU		1264 BTU
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		NO
• If Shut-In, give data and oil/gas/water rates of last production  Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:  6/96	Date: Rates:	Date: Rates:  6/96

All distances must be from the outer boundaries of the Section.

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>JICARILLA CONTRACT 146</b>		Well No. <b>11E</b>
Unit Letter <b>0</b>	Section <b>4</b>	Township <b>25N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
980 feet from the South line and		1660 feet from the East line			
Ground Level Elev: <b>6726</b>	Producing Formation <b>Chacra-Mesaverde/Dakota</b>	Pool <b>Otero Chacra-Gonzales MV/ Basin Dakota</b>		Dedicated Acreage <b>160/320</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

		<p style="text-align: center;"><b>RECEIVED</b> AUG - 11 1986 <b>OIL CON. DIV.</b> DIST. 3</p>	
		<p style="text-align: center;">Sec. 4</p>	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*R.A. Downey*  
Name

R.A. DOWNEY

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

SEPTEMBER 5, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

July 29, 1980

Registered Professional Engineer and Land Surveyor

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

Certificate No. 11

1950

For: zhab0b  
Engr: zhab0b

JICARILLA CONTRACT 146 11E

Operator- AMOCO PRODUCTION CO

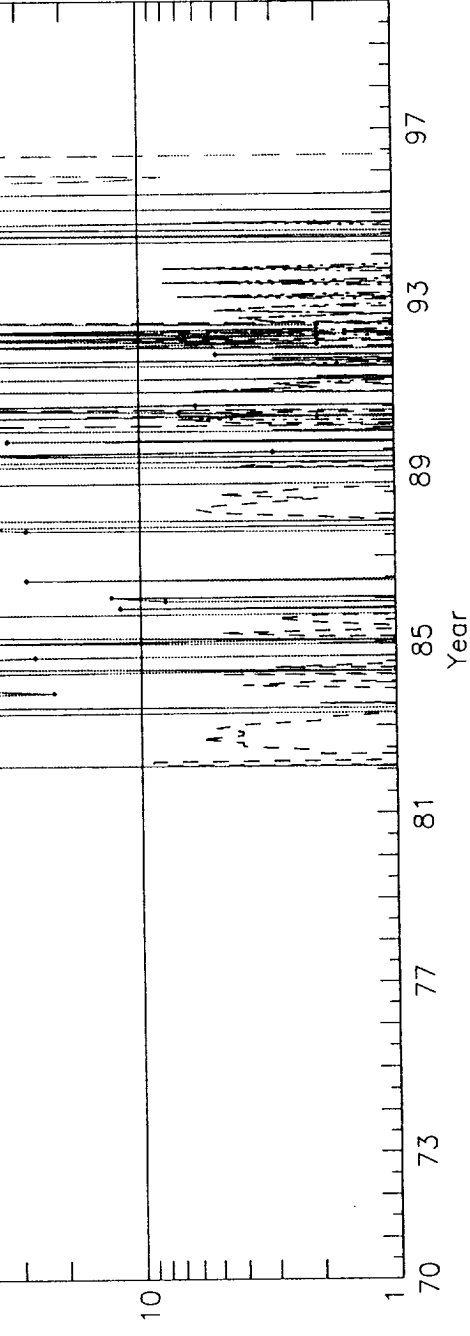
300392252000DK 0042505-011EDK

APC\_WI - 1.0000000

CumG\_70 - 0  
CumO\_70 - 0  
CumGAS - 620510  
CumOIL - 7020

gas, MCFD

DCLN 0.0508  
CurrQ NA  
RemRes 1131452  
EUR 1751962  
Fit\_date NA



Last Op. Forecast by zhab0b in 04/1996

For: zhab0b  
Engr: zhab0b

JICARILLA CONTRACT 146 11E

Operator- AMOCO PRODUCTION CO

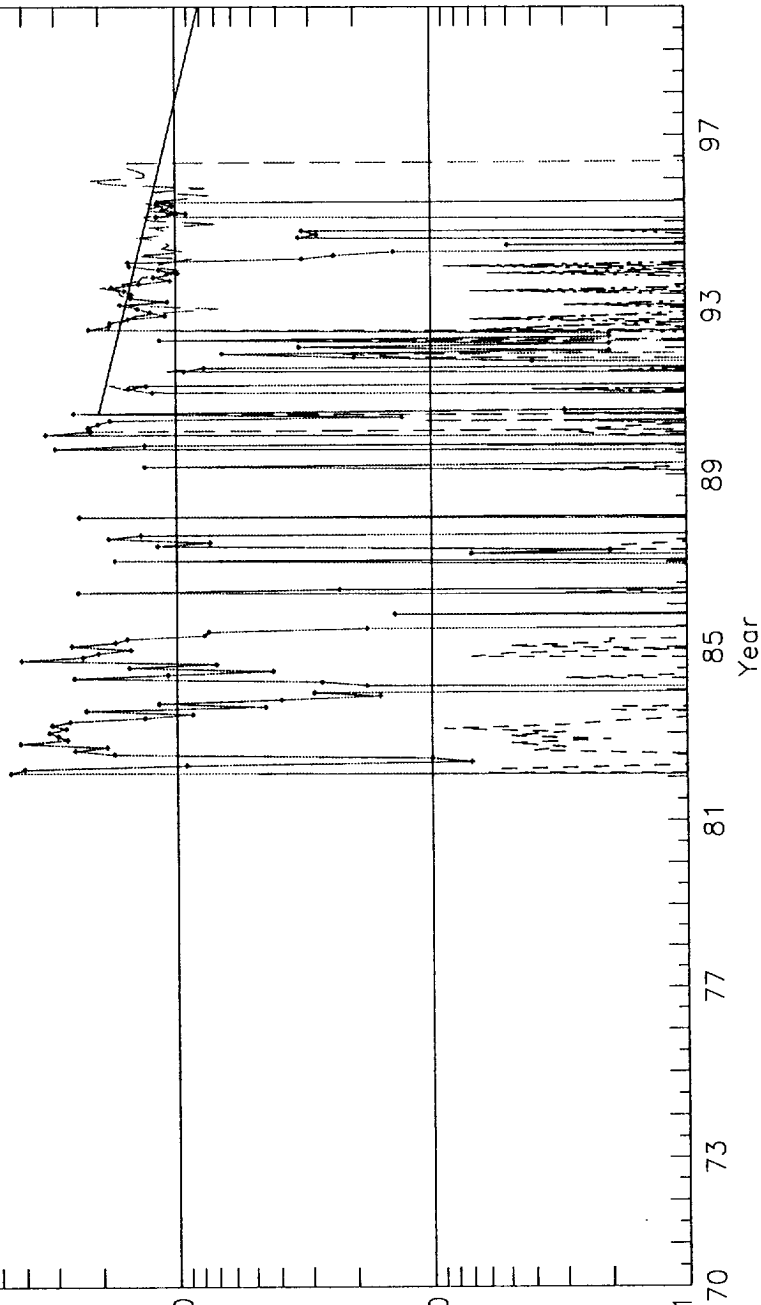
300392252000MV 0042505-011EMV

APC\_WI - 1.00000000

CumG_70 -	0
CumO_70 -	0
CumGAS -	438214
CumOIL -	5445

gas, MCFD

DCLN	0.0951
CurrQ	NA
RemRes	445472
EUR	883686
Fit_date	NA



Last Op. Forecast by zhab0b in 04/1996

STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

Page 1

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: JIC CONTRACT 146 11E

Location of Well: ~~00425057~~ Meter #: 85523 RTU: 1-109-01 County: RIO ARRIB

	NAME RESERVOIR OR POOL		TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BLANCO MESAVERDE	85524	GAS	FLOW	TBG
LWR COMP	BASIN DAKOTA	85523	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	11/19/90	72 Hours	430	No
LWR COMP	11/19/90	72 Hours	630	No

FLOW TEST DATE NO.1

Commenced at (hour, date) *				Zone Producing (Upr/Lwr)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp.	REMARKS
		Upper	Lower		
11/19/90	Day 1	270	359		Both Zones SI
11/20/90	Day 2	435	535		Both Zones SI
11/21/90	Day 3	468	643		Both Zones SI
11/22/90	Day 4	430	630		Flowed Lower Zone
11/23/90	Day 5	432	331		"
11/24/90	Day 6	434	377		m

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ BBLs in \_\_\_\_\_ Hrs \_\_\_\_\_ Grav \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MFCPD: Tested thru (Orifice or Meter) \_\_\_\_\_

MID-TEST SHUT-IN PRESSURE DATA

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				

DEC 13 1990  
OIL CON. DIV  
DIST. 3

*ESTIMATED BOTTOMHOLE PRESSURES BY FORMATION*  
Jicarilla Contract 146 Well #11E

MV midperf at 5270'  
DK midperf at 7276'

Shut in pressures --- MV = 430 PSIG  
DK = 630 PSIG

GRADIENT = 0.08 PSI/FT

MV BHP = 430 PSIG + 5270' X 0.08 PSIG  
= 851 PSIG

DK BHP = 630 PSIG + 7276' X 0.08 PSIG  
= 1212 PSIG

**OFFSET OPERATORS**  
**Jicarilla Contract 146 Well #11E**

Conoco, Inc.  
10 Desta Drive West  
Midland, Texas 79705