

» Southern

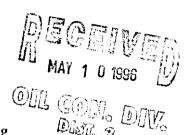
Rockies

**Business** 

Unit

May 3, 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-C - Downhole Commingling VCU #27 Well
Unit M Section 22-T28N-R4W
Basin Fruitland Coal and Choza Mesa Pictured Cliffs Pools
Rio Arriba County, New Mexico

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:

Mark Rothenberg

Patty Haefele

Wellfile

Proration File

Frank Chavez, Supervisor

NMOCD District III

1000 Rio Brazos Road

Aztec, NM 87410

Duane Spencer

Bureau of Land Management

1235 La Plata Hwy.

Farmington, NM 87401

State of New Mexico
Energy, Minerals and Natural Resources Department

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

### **OIL CONSERVATION DIVISION**

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

X Administrative \_\_\_ Hearing

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

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 874 0-1693

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

EXISTING WELLBORE <u>×</u> YES \_\_ NO

Amoco Production Company		P.O. Box 800 Denver, CO 8020	01								
Operator VCU	27	M-22-28N-4W	Rio Arriba								
Lease	Well No.	Unit Ltr Sec Twp - Rge	County								
Spacing Unil Lease Types: (check 1 or more)  OGRID NO. 000778 Property Code 001191 API NO. 3003921595 Federal x State (and/or) Fee											
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone								
Pool Name and     Pool Code	BASIN FRUITLAND COAL 71629	DE AGENE	CHOZA MESA PICTURED CLIFFS 74960								
Top and Bottom of     Pay Section (Perforations)	4004' - 4094'	MAY 1 0 1936	4188' - 4290'								
Type of production     (Oil or Gas)	GAS	OHL COSH, DAY	GAS								
Method of Production     (Flowing or Artificial Lift)	FLOWING	DIST. 3	FLOWING								
Bottomhole Pressure     Oil Zones - Artificial Lift:     Estimated Current	(EST) (Current) 671 PSI a.	a .	(EST) a 418 PSI								
Gas & Oil - Flowing:  Measured Current All Gas Zones: Estimated or Measured Original	(Original) 1149 PSI b.	b.	b. 1090 PSI								
Oil Gravity (* API) or     Gas BTU Content	1195 BTU		1000 BTU								
7. Producing or Shut-In?	PRODUCING		SHUT-IN								
Production Marginal? (yes or no)	YES		YES								
If Shut-In, give data and oil/gas/water	NEVER PRODUCED	Date:	Data								
rates of last production  Note: For new zones with no production history, applicant	Date: SEE ALLOCATION METHOD FOR	Date Rates:	Date Rates:								
shall be required to attach production estimates and supporting data	EXPLANATION										
If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Dale: Rates:	5/96 Date: 15 MCFD Rates: 0.1BCPD 0 BWPD								
Fixed Percentage Allocation     Formula -% for each zone	Oil: Gas %: %	Oil: Gas %: %	Oil: Gas %: %								
		production, or is based upon some other m	nethod, submit attachments with								
supporting data and/or explaining i	method and providing rate projections	or other required data.									
10. Are all working, overriding, and royalty interests identical in all commingled zones?  If not, have all working, overriding, and royalty interests been notified by certified mail?  Have all offset operators been given written notice of the proposed downhole commingling?  X_Yes No											
11. Will cross-flow occur? Yes _X_ No. If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliableYes No. (If No, attach explanation)											
12. Are all produced fluids from all con	12. Are all produced fluids from all commingled zones compatible with each other?X_Yes No										
13. Will the value of production be decreased by commingling? Yes _X_ No (If Yes, attach explanation)											
15. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application.  _X_YesNo NM-14916											
16. ATTACHMENTS:  * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  * Production curve for each zone for at least one year. (If not available, attach explanation.)  * For zones with no production history, estimated production rates and supporting data.  * Data to support allocation method or formula. SEE ATTACHED  * Notification list of all offset operators.  * Notification list of working, overriding, and royalty interests for uncommon interest cases.  * Any additional statements, data, or documents required to support commingling.											
I hereby certify that the information above is true and complete to the best of my knowledge and belief.											
SIGNATURE James	TITLE REGULATORY AFFAIRS REP DATE 5/3/96										
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. ( 303 ) 830-5344											

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Formister († Lugarden 64 s. f.) Litherton († 1908)

All distances must be from the outer boundaries of the Section Valencia Canyon Unit Amoco Production Company County Unit Letter Township Range Section ЦW 28N Rio Arriba Actual Footage Location of Welli 790 South leet from the line and Leet from the Ground Level ; iev. 7282 Choza Mesa Pictured Cliffs Pictured Cliffs 1. Outline the acrenge dedicated to the subject well by colored pencil or hachine 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 workin interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli dated by communitization, unitization, force-pooling, etc? Yes 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, climinating such interests, has been approved by the Commit CERTIFICATION I hereby certify that the information co tained herein is true, and complete to the AREA ENGINEER AMOCO PRODUCTION COMPA DECEMBER 14, 1977 22 I hereby certify that the well locati shown on this plat was platted from lie knowledge and belief. Date Surveyed ( 1 + 1 + 1) December 9, 197 and or Earld Surveyel Fred B. Kerr Jr.

District I TO Bun 1980, Hobbs, Not 18241-1980 District II TO Drawer DD, Artesia, NM 88211-0719 District III 1000 Itlu Brazus Itd., Antec, NM 87410 District IV TO Bun 2088, Sauta Fe, NM 87504-2088

AM Number

30-039-21595

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

MENDED REPORT

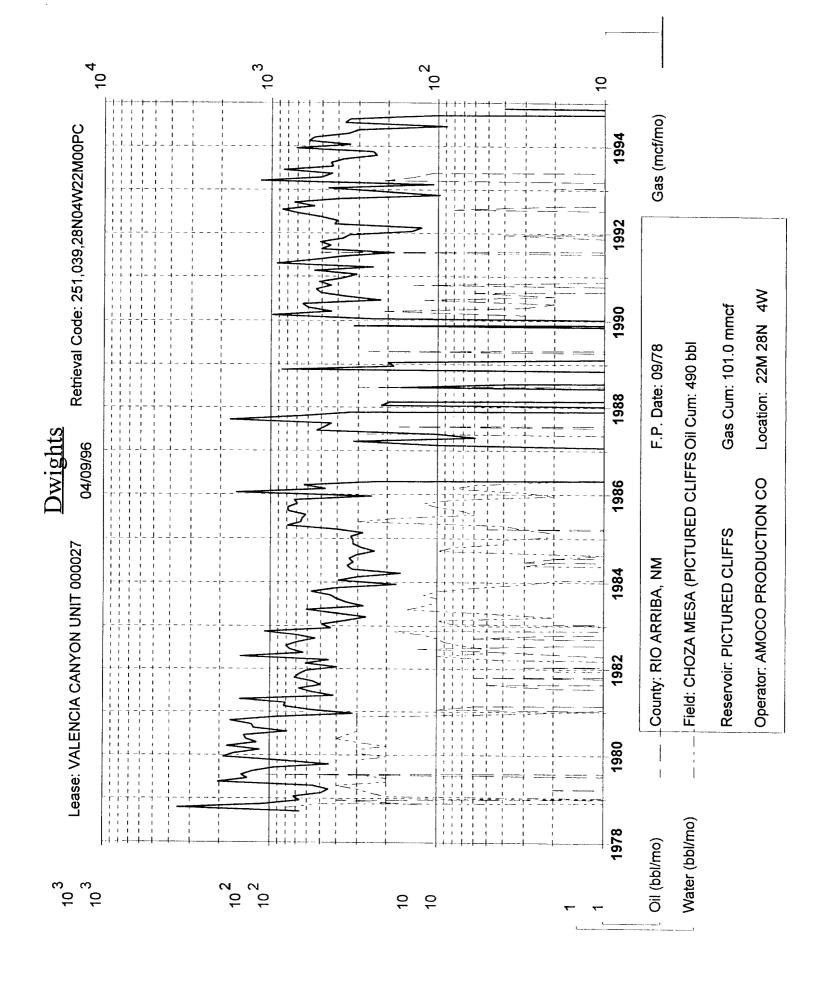
## WELL LOCATION AND ACREAGE DEDICATION PLAT

Fruitland Coal

l'aol Code

71629

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Property Code			nvon IIn	<sup>3</sup> Property Name				' Well Number					
logup	Valencia Canyon Unit Operator Name						27						
	110.	· ·											
000778 Amoco Production Company 7282 GR  10 Surface Location													
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UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Enst/West	line	County			
M	22	28N	4W	<u> </u>	1140	South	790	West P		Rio Arriba			
Bottom Hole Location If Different From Surface													
UL or lot no.	Section	Township	Range	Lat Ida	Feet from the	North/South line	Feet from the	et from the East/West line County		County			
				<u> </u>	<u> </u>								
" Dedicated Act	" Dedicated Acres " Joint or Infill " Consolidation Code " Order No.												
320													
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION													
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## VCU #27 OFFSET OPERATORS

Meridian Oil, Inc. P.O. Box 4289 Farmington, NM 87499

#### PROPOSED ALLOCATION METHOD

The VCU #27 has been producing since 1978 from the Pictured Cliffs formation. The Pictured Cliffs has a stable decline curve as evidenced in the attached production curve. In 1995, we perforated the Fruitland to determine if it we could inject air and produce the formation. Now we propose placing the Fruitland on production and commingling it with the Pictured Cliffs.

The proposed allocation method would be by the subtraction method. The attached production curve shows the average production on an annual basis for the Pictured Cliffs formation. We propose that the following production schedule be used for the Pictured Cliffs until the economic limit of 10 MCFD is reached (estimated to be 2015). Total production minus the scheduled production listed below would be the production attributed to the Fruitland Coal. All liquid should be attributed 100% to the Pictured Cliffs formation.

1996 - 15 MCFD

1997 - 15 MCFD

1998 - 15 MCFD

1999 - 14 MCFD

2000 - 14 MCFD

2001 - 14 MCFD

2002 - 14 MCFD

2003 - 13 MCFD

2004 - 13 MCFD 2005 - 13 MCFD

2006 - 13 MCFD

2000 - 13 MCFD

2007 - 12 MCFD 2008 - 12 MCFD

2009 - 12 MCFD

2010 - 12 MCFD

2011 - 11 MCFD

2012 - 11 MCFD

2013 - 11 MCFD

2014 - 11 MCFD

2015 - 10 MCFD POTENTIAL ECONOMIC LIMIT