

RECEIVED

APR 18 1996

OIL CONSERVATION DIVISION
SANTA FE



Southern

Rockies

Business

Unit

DHC 5.7.96

1264

April 11, 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
Jicarilla Apache 102 #8E Well
Unit I Section 3-T26N-R4W
Basin Dakota and Blanco Mesaverde 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,

A handwritten signature in cursive script, appearing to read "Pamela W. Staley".

Pamela W. Staley

Enclosures

cc: Steve Smethie
Patty Haeefe
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 87410-1693

EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator	Address	County	
Jicarilla Apache 102	Unit I Section 3-T26N-R4W	Rio Arriba	
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	
	8E		
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO.	Property Code	API NO.	Federal State (and/or) Fee
000778	000735	3003922454	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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)	5358' - 5594'		7840' - 8026'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	a. (Current) 653 PSI b. (Original) 1364 PSI	a. b.	a. 1058 PSI b. 3100 PSI
6. Oil Gravity (° API) or Gas BTU Content	1190 BTU / 63.6 DEG API		1266 BTU / 66.7 DEG API
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:	Date: Rates:	Date: Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	2/96 Date: Rates: 75 MCFD 1.44 BCPD 0.55 BWPD	Date: Rates:	2/96 Date: Rates: 250 MCFD 2.36 BCPD 1.61 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 38 % Gas 23 %	Oil: % Gas %	Oil: 62 % Gas 77 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☒ Yes ☐ 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 reliable. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)
14. 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. ☒ Yes ☐ No JICARILLA APACHE 102
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____
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.
 - * 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 Pamela W. Staley TITLE REGULATORY AFFAIRS REP DATE 4/11/96
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

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

Revised Form C-102

Operator AMOCO PRODUCTION COMPANY		Lease JICARILLA APACHE 102		Well No. 8E
Unit Letter I	Section 3	Township 26N	Range 14W	County Rio Arriba

Actual Footage Location of Well:				
1700	feet from the	South	line and	940
				feet from the
				East
Ground Level Elev. 6995	Producing Formation Dakota/Mesaverde	Pool Basin Dakota/Blanco Mesaverde	Dedicated Acreage: 320/321.68 Acres	

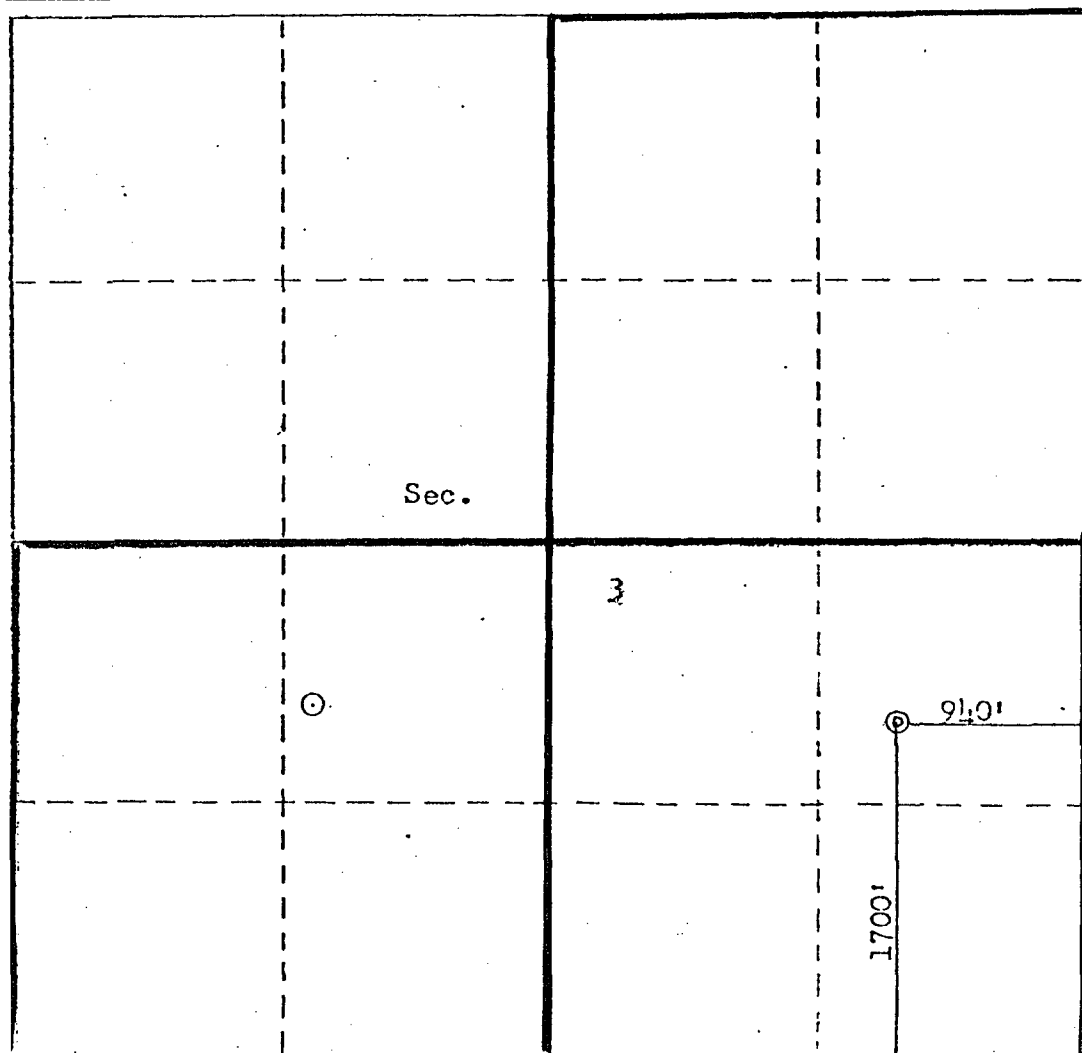
- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated 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.

MV ↓



CERTIFICATION

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

Name
D. H. Shoemaker
Position
DISTRICT ENGINEER
Company
AMOCO PRODUCTION COMPANY
Date
May 26, 1982

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.

ADMN 36601

Date Surveyed
April 28, 1980
Registered Professional Engineer and/or Land Surveyor
Fred B. Kott Jr.
Certificate No.
3950

Dwights

Lease: JICARILLA APACHE 1O2 00008E

Retrieval Code: 251,039,26N04W03I00MV

04/09/96

10³
10³
10³

10²
10²
10²

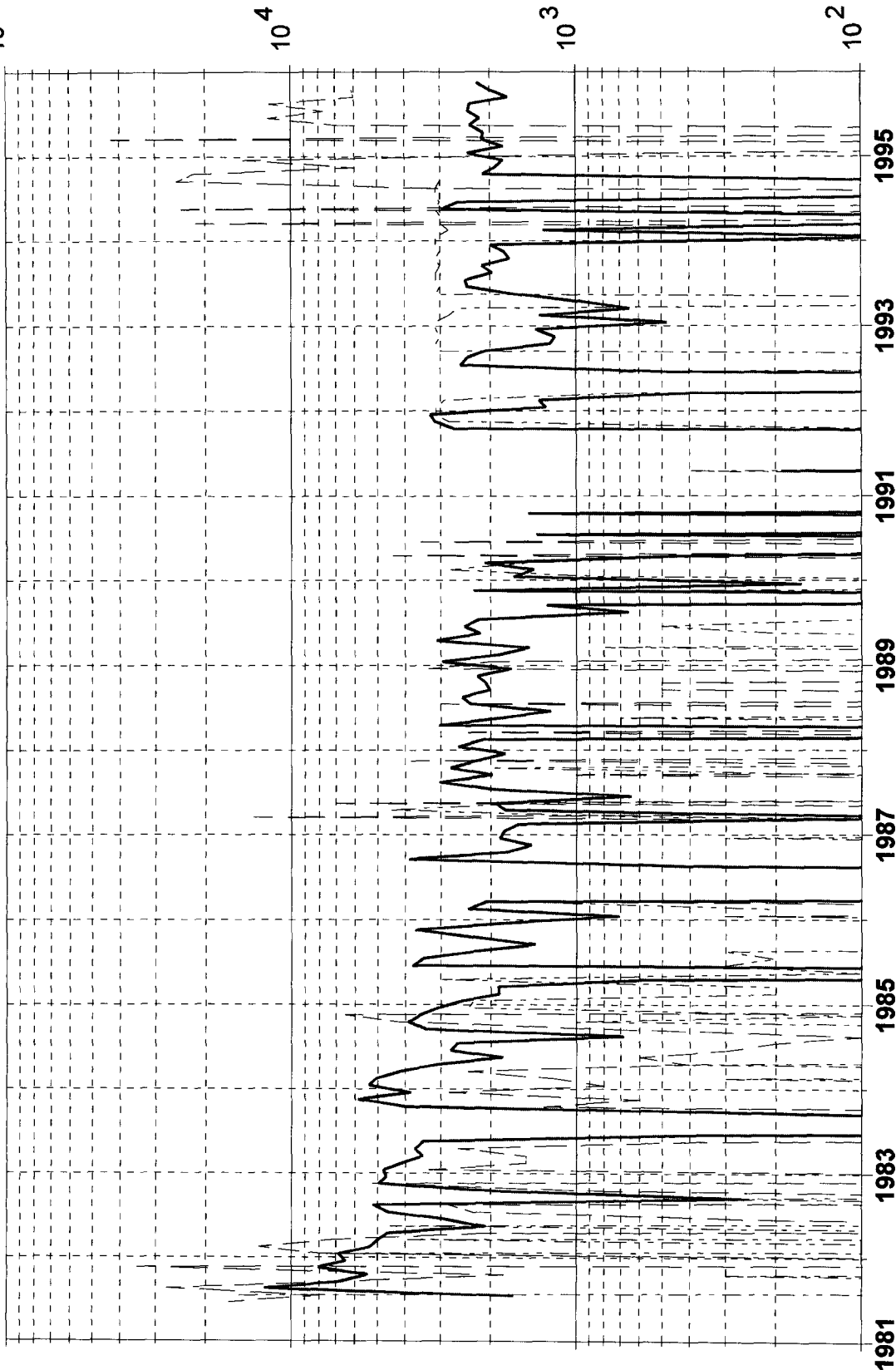
10¹
10¹

1
1

Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)



County: RIO ARRIBA, NM	F.P. Date: 06/81
Field: BLANCO (MESAVARDE) MV	Oil Cum: 4252 bbl
Reservoir: MESAVARDE	Gas Cum: 355.7 mmcf
Operator: AMOCO PRODUCTION CO	Location: 31 26N 4W

Dwights

Lease: JICARILLA APACHE 102 00008E

Retrieval Code: 251,039,26N04W03I00DK

04/09/96

10³
10³
10³

10²
10²
10²

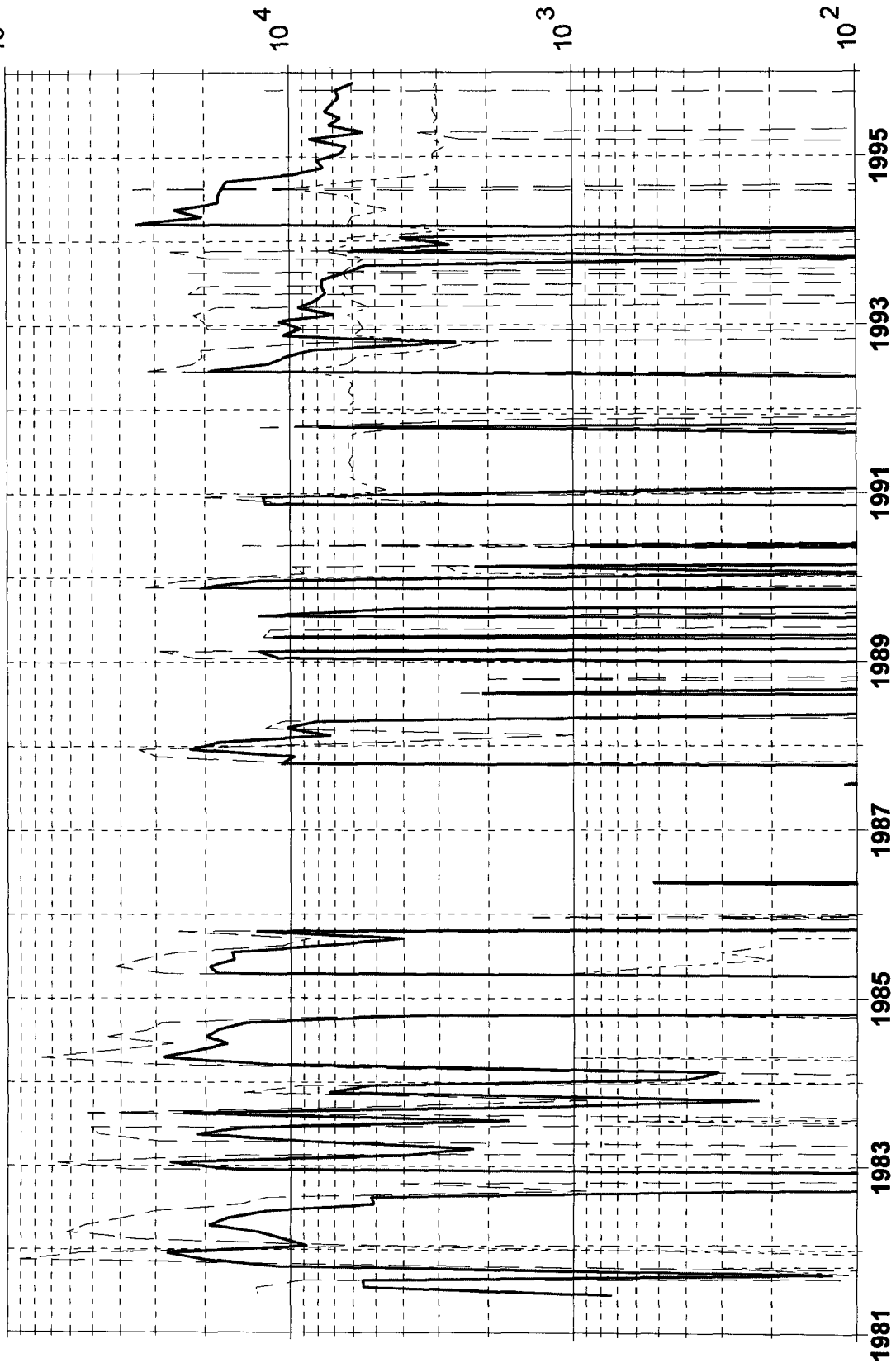
10
10

1
1

Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)



County: RIO ARRIBA, NM	F.P. Date: 06/81
Field: BASIN (DAKOTA) DK	Oil Cum: 18.91 mbbl
Reservoir: DAKOTA	Gas Cum: 1139 mmcf
Operator: AMOCO PRODUCTION CO	Location: 31 26N 4W

OFFSET OPERATORS
JICARILLA APACHE 102 #8E

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

Snyder Oil Corp.
1625 Broadway
Denver, Co. 80202