

DHC 7/8/96  
1321

Southern  
Rockies  
Business  
Unit

June 12, 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 102 #7M Well**  
**Unit D Section 3-T26N-R4W**  
**Blanco Mesaverde, BS Mesa Gallup, and Basin Dakota**  
**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. Amoco is the only offset operator in both formations. 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.

Sincerely,

Pamela W. Staley

Enclosures

cc: Steve Smethie  
Patty Haefele  
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

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
☒ YES ☐ NO

Amoco Production Company

P.O. Box 800 Denver, CO 80201

Operator  
Jicarilla Apache Tribal #102

7M

Address  
Unit D Section 3-T26N-R4W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000735 API NO. 3003922453 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	BS MESA GALLUP 72920	BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	5656' - 6208'	7676' - 7668'	8150' - 8354'
3. Type of production (Oil or Gas)	GAS	GAS	GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 950 PSI COMMINGLED (Original) b. 1464 PSI	a. 950 PSI COMMINGLED b. 1819 PSI	a. 1350 PSI b. 3100 PSI
6. Oil Gravity (° API) or Gas BTU Content	1190 BTU / 63.6 DEG API	1190 BTU / 63.6 DEG API	1266 BTU / 66.7 DEG API
7. Producing or Shut-In?	PRODUCING	PRODUCING	PRODUCING
Production Marginal? (yes or 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 • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	YES Date: Rates: 5/96 50 MCFD 0 BCPD 5 BWPD	YES Date: Rates: 5/96 13 MCFD 1.29 BCPD 0.00 BWPD	NO Date: Rates: 5/96 106 MCFD 0.36 BCPD 0.00 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas 29 %	Oil: 78 % Gas 8 %	Oil: 22 % Gas 63 %

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 CONTRACT #155
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 ENGR DATE 6/12/96  
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. ( 303 ) 830-5344

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
711 South First, Artesia, NM 88210

District III  
1899 Rio Brazos Rd., Aztec, NM 87410

District IV  
2048 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3003922453		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000735	Property Name Jicarilla Apache 102		Well Number 7M
OCRID No. 000778	Operator Name Amoco Production Company		Elevation 7710'

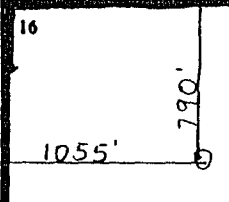
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	3	26N	4W		790	North	1055	West	San Juan

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

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

					<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Patty Haefele</i></p> <p>Signature _____ Patty Haefele</p> <p>Printed Name _____ Staff Assistant</p> <p>Title _____ Nov. 6, 1995</p> <p>Date _____</p> <p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>April 29, 1980</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>on file</p> <p>3950</p> <p>Certificate Number _____</p>

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>JICARILLA APACHE 102</b>			Well No. <b>7-E</b>		
Unit Letter <b>D</b>	Section <b>3</b>	Township <b>26N</b>	Range <b>1W</b>	County <b>Rio Arriba</b>				
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>1055</b> feet from the <b>West</b> line								
Ground Level Elev. <b>7170</b>		Producing Formation <b>Dakota/Gallup</b>		Pool <b>Basin Dakota/B.S.Mesa Gallup</b>			Dedicated Acreage: <b>321.38</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?

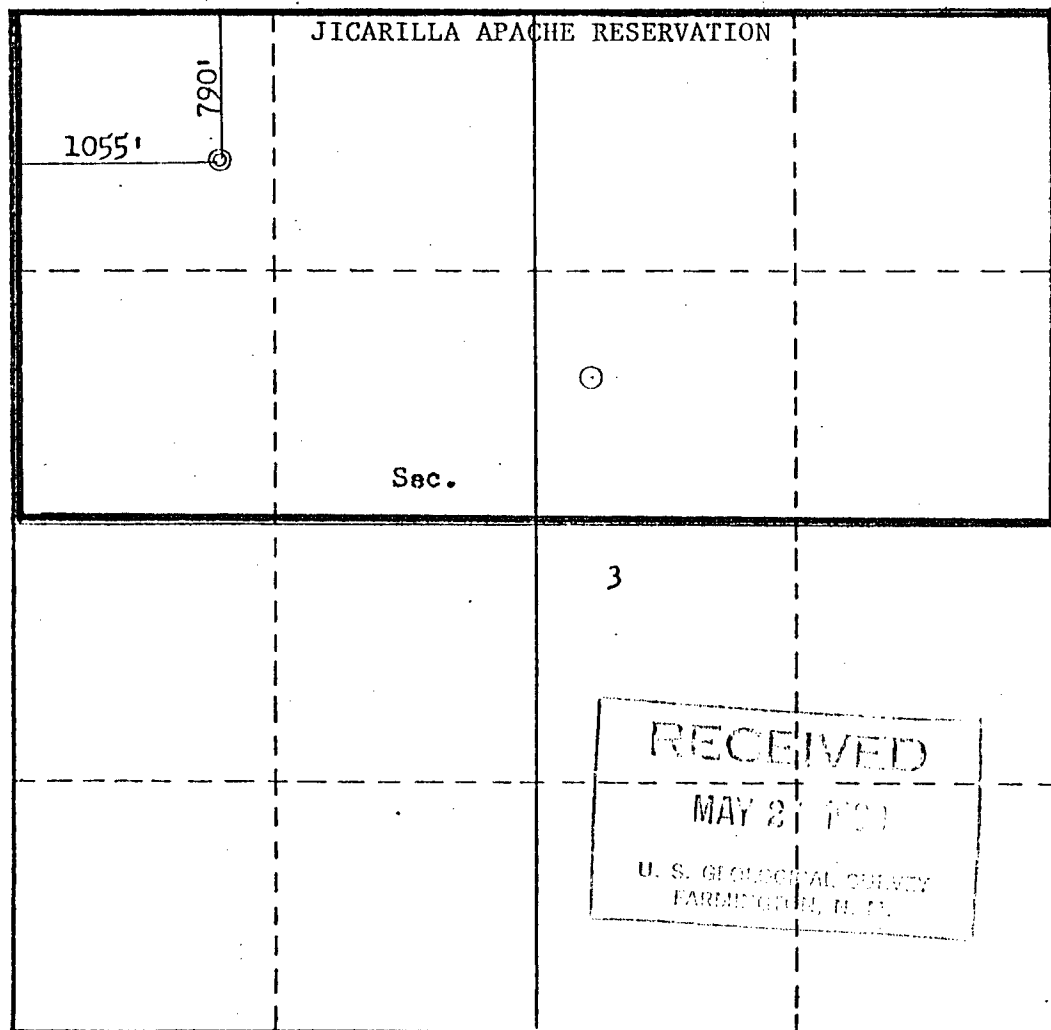
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

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.

CARSON NATIONAL FOREST

JICARILLA APACHE RESERVATION



## CERTIFICATION

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

*B. E. Fackrell*

Name

B. E. FACKRELL

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

APRIL 29, 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

April 25, 1980

Registered Professional Engineer  
and/or Land Surveyor*Frank B. Kerr Jr.*

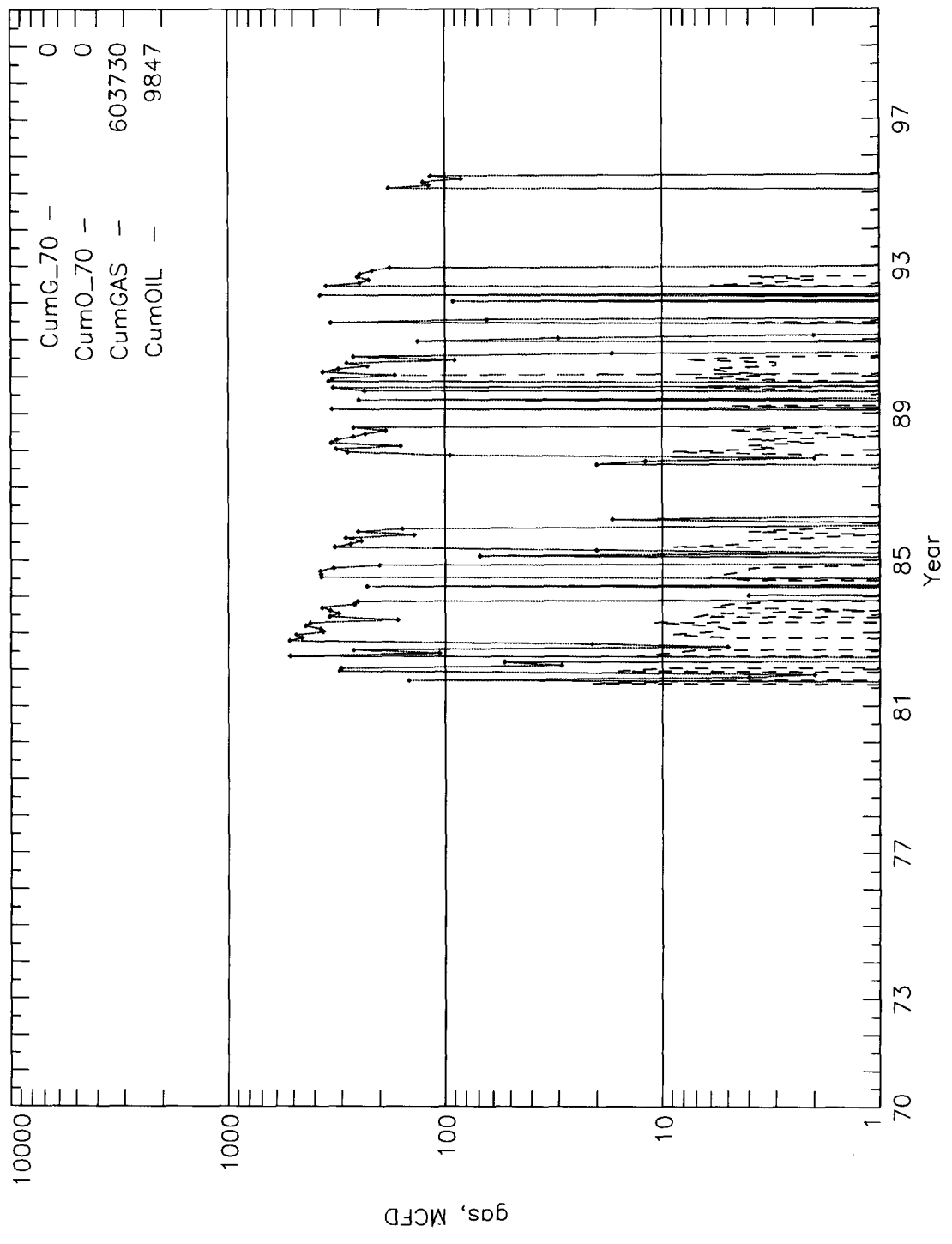
Certificate No. 3950

FERR, JR.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

For: zhab0b  
Engr: zhab0b

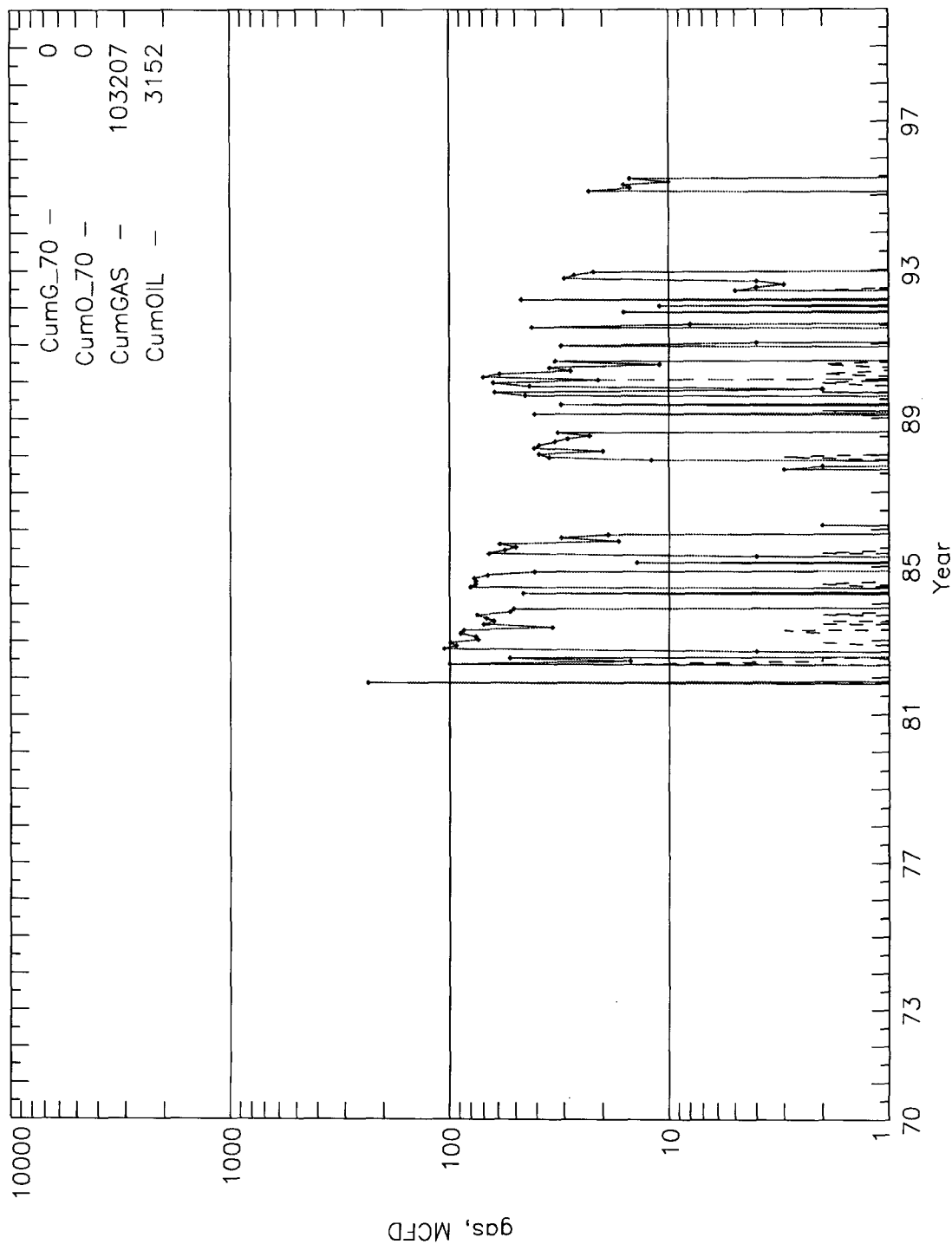
JICARILLA APACHE 102 7E  
300392245300DK D032604-007EDK Operator- AMOCO PRODUCTION CO  
APC\_WI - 1.0000000



Last Op. Forecast by None in None

For: zhab0b  
Engr: zhab0b

JICARILLA APACHE 102 7E  
300392245300GP D032604-007EGP Operator-- AMOCO PRODUCTION CO  
APC\_WI - 1.0000000



Last Op. Forecast by None in None

For: zhab0b

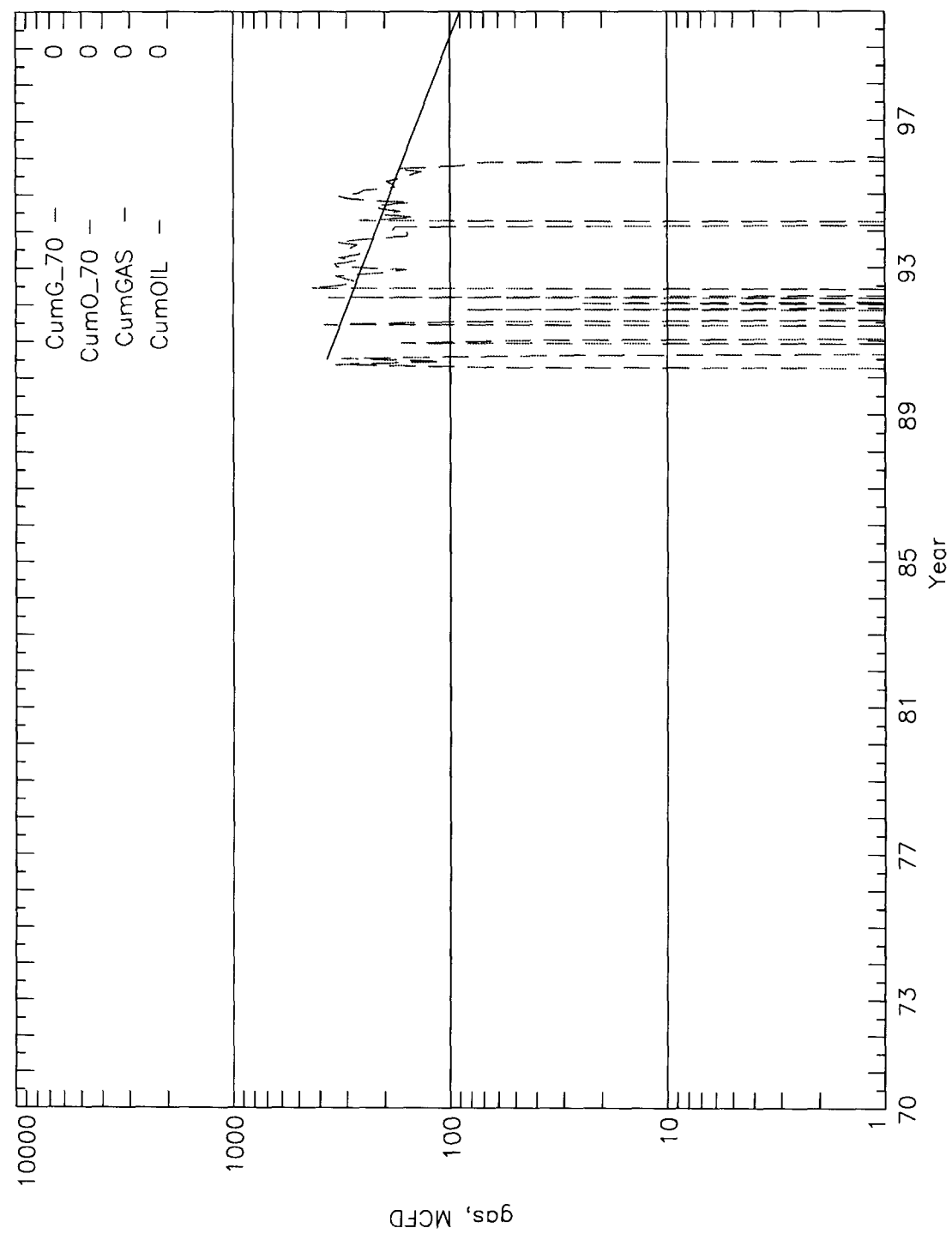
Engr: zhab0b

JICARILLA APACHE 102 7E

Operator- AMOCO PRODUCTION CO

300392245300GD D032604-007EGD

APC\_WI - 1.0000000



DCLN	Reserves
CurrQ	0.1489
RemRes	NA
EUR	350468
Fit_date	350468
	NA

**OFFSET OPERATORS**

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

Snyder Oil Corp.  
1625 Broadway  
Denver, Co. 80202



DHC-1321

**MERIDIAN OIL**

June 25, 1996

RECEIVED  
JUN 27 1996  
CONSERVATION DIV.

State of New Mexico  
Oil Conservation Division  
Attn: Mr. William J. LeMay  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: APPLICATION FOR DOWNHOLE COMMINGLING**  
**JICARILLA 102 #7M**  
**NW NW SECTION 03, T26N, R05W**  
**RIO ARriba COUNTY, NEW MEXICO**

*Meridian Oil Inc. has no objections to Amoco's Application for Downhole  
Commingling of the above referenced well.*

Very truly yours,



Dawn Garretson  
Land Associate

DMG

cc: Amoco-Pamela W. Staley  
Amoco Production Company Correspondence File