



**Southern**  
**Rockies**  
**Business**  
**Unit**

April 2, 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**  
**Russell A #2A Well**  
**Unit C Section 25-T28N-R8W**  
**Blanco Mesaverde and Otero Chacra Pools**  
**San Juan County, New Mexico**

**RECEIVED**  
APR - 8 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.

Should you have 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

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

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

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410-1693

OIL CONSERVATION DIVISION  
APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

X Administrative \_\_\_ Hearing

EXISTING WELLBORE  
X YES \_\_\_ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator Russell A	2A	Address C-25-28N-8W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

OGRID NO. 000778 Property Code 000998 API NO. 3004523704 Spacing Unit Lease Types: (check 1 or more)  
Federal x 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	OTERO CHACRA 82329		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	3775' - 3785'		4395' - 4918'
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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	a. (Current) 595 PSI (EST) b. (Original) 1165 PSI	a. b. <div>RECEIVED APR - 8 1996 OIL CON. DIV. DIST. 3</div>	a. 500 PSI b. 1260 PSI
6. Oil Gravity (" API) or Gas BTU Content	1148 BTU		1289 BTU
7. Producing or Shut-In?	NEW		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:  (EST) 58 MCFD 0 BCPD 0 BWPD	 Date: Rates:  Date: Rates:  1/95-1/96 79 MCFD 0.83 BCPD 0 BWPD	NO Date: Rates:  Date: Rates:  1/95-1/96 79 MCFD 0.83 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 42 %	Oil: % Gas %	Oil: 100 % Gas 58 %

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? \_\_\_X\_\_\_ 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? \_\_\_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 reliable. \_\_\_ Yes \_\_\_ No (If No, attach explanation)
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)
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. \_\_\_X\_\_\_ Yes \_\_\_ No NM-013860-A
15. NMOC 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		TITLE	REGULATORY AFFAIRS REP	DATE	4/2/96
TYPE OR PRINT NAME	PAMELA W. STALEY	TELEPHONE NO. ( 303 )	830-5344		

First, Artesia, NM 88210

Market III

1000 Rio Brazos Rd., Aztec, NM 87410

Market IV

2040 South Pacheco, Santa Fe, NM 87505

# OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-23704		Pool Code 82329	Pool Name Otero Chacra
Property Code 998	Property Name Russell A		Well Number 2A
OGRID No. 778	Operator Name Amoco Production Company		Elevation 6302'

### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	25	28N	8W		1110	North	1850	West	San Juan

### 11 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 160	Joint or Infill	Consolidation Code	Order No.
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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>16</p>	<p>17 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>Signature: <u>Patty Haebele</u></p> <p>Printed Name: <u>Patty Haebele</u></p> <p>Title: <u>Staff Assistant</u></p> <p>Date: <u>2/23/96</u></p>	
	<p>18 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>Date of Survey: <u>8/28/79</u></p> <p>Signature and Seal of Professional Surveyer:</p> <p>on file</p> <p>2950 (?)</p> <p>Certificate Number</p>	

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

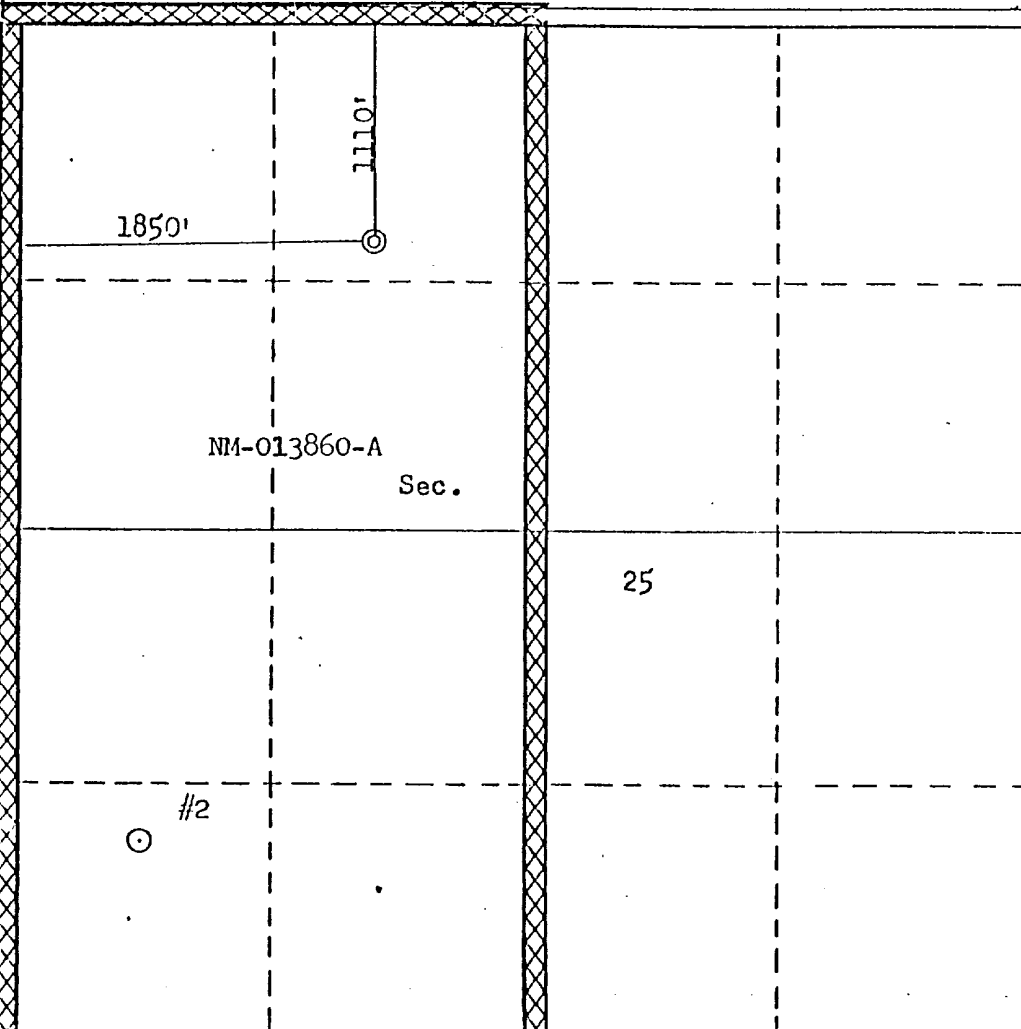
Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>RUSSELL (NM-013860-A)</b>		Well No. <b>2A</b>
Unit Letter <b>C</b>	Section <b>25</b>	Township <b>28N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1110</b> feet from the <b>North</b> line and <b>1850</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6302</b>	Producing Formation <b>Mesa Verde</b>		Pool <b>Blanco Mesa Verde</b>	Dedicated Acreage: <b>320.00</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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. NOTE: THIS PLAT IS REISSUED TO REFLECT A MOVED LOCATION. 9-5-79



CERTIFICATION

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

*D. J. Hises*

Name

Drilling Clerk

Position

El Paso Natural Gas Co.

Company

September 18, 1979

Date

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

August 28, 1979

Registered Professional Engineer and/or Land Surveyor

*Fred A. Kern Jr.*

Certificate No.

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1600 1400 1200 1000 800 600 400 200 0

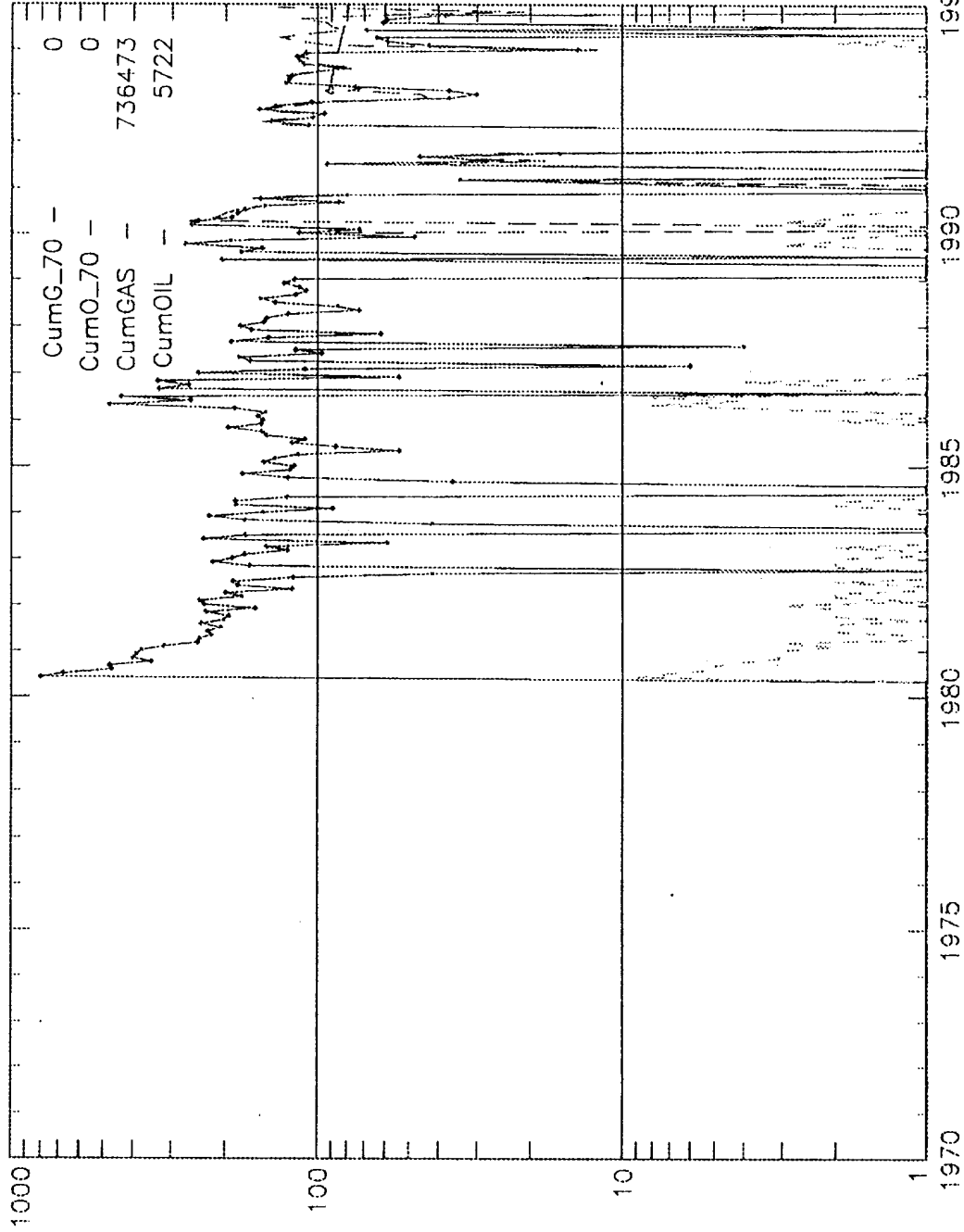
Engr: zr06

RUSSELL A 2A (Russell 2A)

Operator- AMOCO PRODUCTION CO

300452370400MV C252808-002AMV

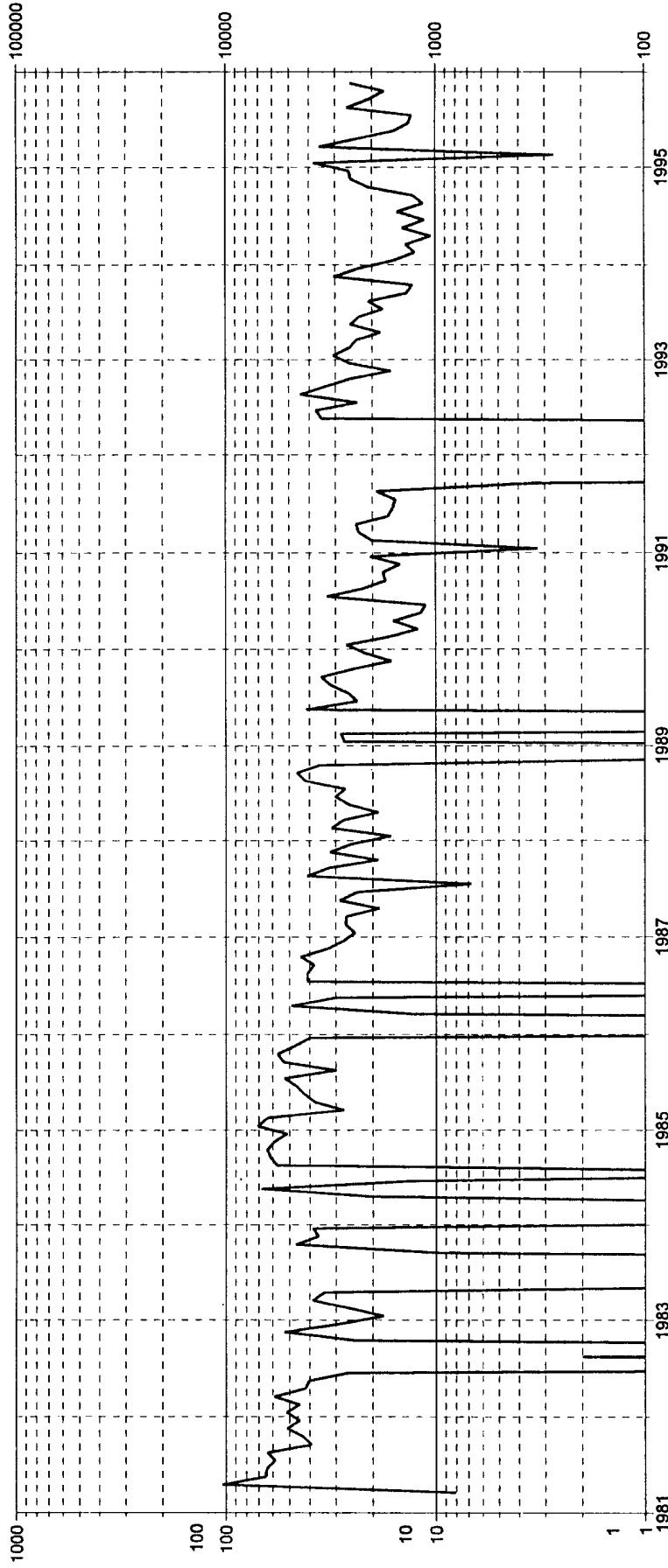
APC\_WI - 1.0000000



# Dwights

1000 Lease: RUSSELL LS 000012

Retrieval Code: 251.045.28N08W24H00C



County: SAN JUAN

Field: SAN JUAN (CHACRA) CK

Reservoir: CHACRA

Operator: AMOCO PRODUCTION CO

State: NM

Oil Cum: 0 bbl

Gas Cum: 459772 mcf

Location: 24H 28N 8W

F.P. Date: 03/81

Water (bbl/mo)

Oil (bbl/mo)

Date: 04/03/96

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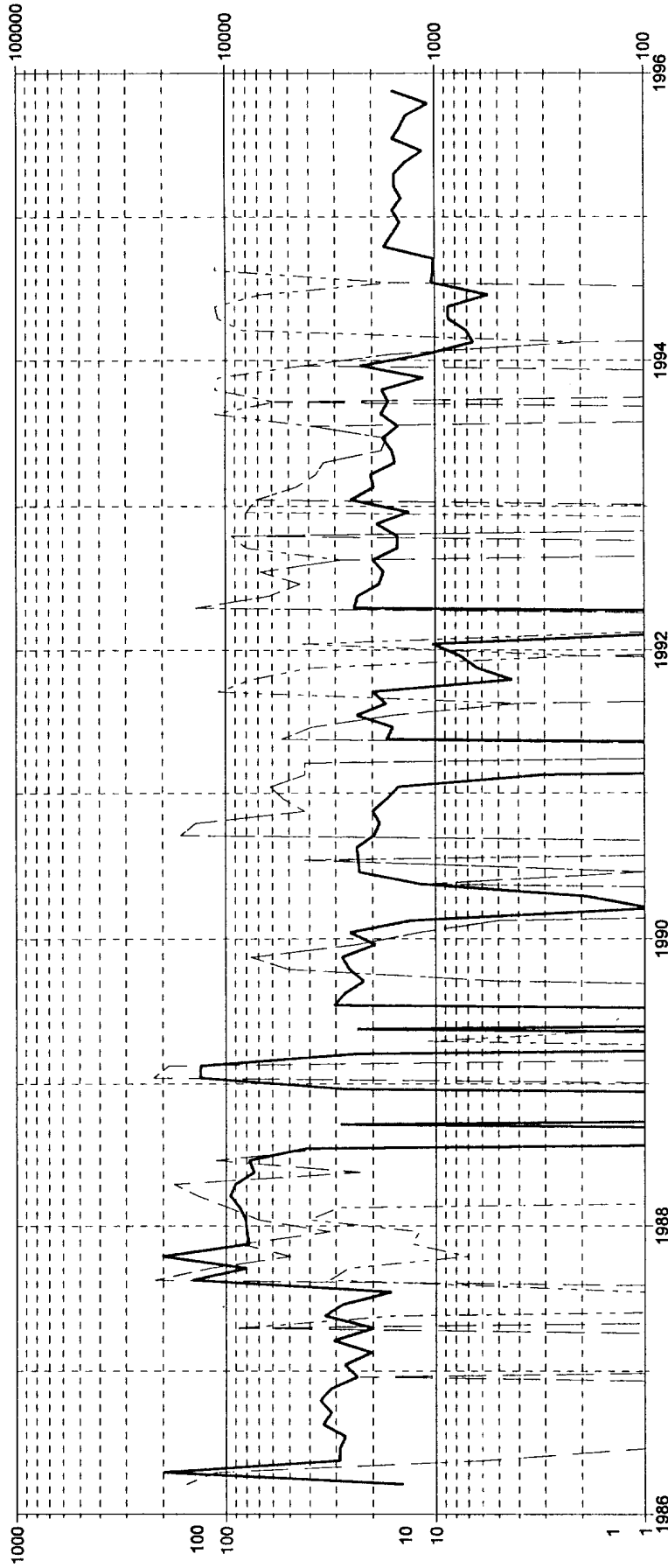
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Gas (mcf/mo)

# Dwights

Lease: DRYDEN LS 00001A

Retrieval Code: 251.045.28N08W28100C



County: SAN JUAN

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: AMOCO PRODUCTION CO

State: NIM

Oil Cum: 3657 bbl

Gas Cum: 327760 mcf

Location: 281 28N 8W

F.P. Date: 03/86

Water (bbl/mo)

Oil (bbl/mo)

Date: 04/03/96

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--- Gas (mcf/mo)

**LIST OF OFFSET OPERATORS**  
**Russell A#2A**

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