

DNC 5-1-96

Southern

Rockies

Business

Unit

1270

April 8, 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
Storey D #1M Well
Unit J Section 26-T28N-R8W
Blanco Mesaverde and Otero Chacra Pools
San Juan County, New Mexico

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 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	Well No.	Address	County
Storey D	1M	J-26-28N-8W	San Juan
Lease		Unit Ltr. - Sec Twp - Rge	
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO. 000778	Property Code 001141	API NO. 3004529247	Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> (and/or) Fee <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	OTERO CHACRA 82329		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	3290' - 3298'		3994' - 4362'
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) 649 PSI b. (Original) 1165 PSI	a. b.	a. 959 PSI b. 1260 PSI
6. Oil Gravity (° API) or Gas BTU Content	1148 BTU		1190 BTU
7. Producing or Shut-In?	NEW		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)	Date: 2/96 Rates: 60 MCFD 0 BCPD 0 BWPD	Date: Rates:	Date: 2/96 Rates: 100 MCFD 1 BCPD <1 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 37 %	Oil: % Gas %	Oil: 100 % 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 SF-078566
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 4/8/96
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 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

AP# Number 30-045-29247		Pool Code 82329		Pool Name Otero Chacra	
Property Code		Property Name Storey D			Well Number 1M
OGRID No. 000778		Operator Name Amoco Production Company			Elevation 5862

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
J	26	28N	8W		1850	South	1610	East	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

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Patty Haefele</u> Printed Name <u>Patty Haefele</u> Title <u>Staff Assistant</u> Date <u>2/29/96</u>
				¹⁸ SURVEYOR CERTIFICATION 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. <u>11/22/93</u> Date of Survey Signature and Seal of Professional Surveyor: <u>on file</u> <u>7016</u> Certificate Number

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 N. Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name STOREY D			6 Well Number # 1 M
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 5862

10 Surface Location

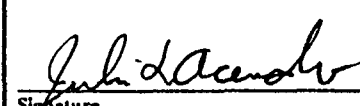
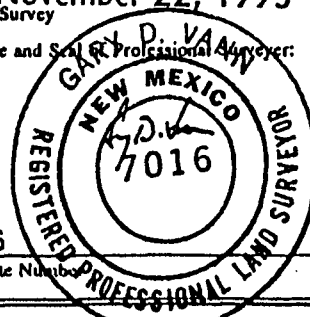
UL or lot no. J	Section 26	Township 28 N	Range 8 W	Lot Idn	Feet from the 1850	North/South line SOUTH	Feet from the 1610	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 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

<div>16</div>				<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div> Signature Julie L. Acevedo Printed Name Sr. Staff Assistant Title 4/28/95 Date</div>	
				<div>18 SURVEYOR CERTIFICATION</div> <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> <div>November 22, 1993 Date of Survey Signature and Seal of Professional Surveyor:  7016 Certificate Number</div>	

OFFSET INFORMATION USED IN ESTIMATES

CHACRA

RUSSELL LS #12	H-24-28-8	650 PSIG	70 MCFD
DRYDEN LS 1A	I-28-28-8	<u>450 PSIG</u>	<u>50 MCFD</u>
AVE		550 PSIG	60 MCFD

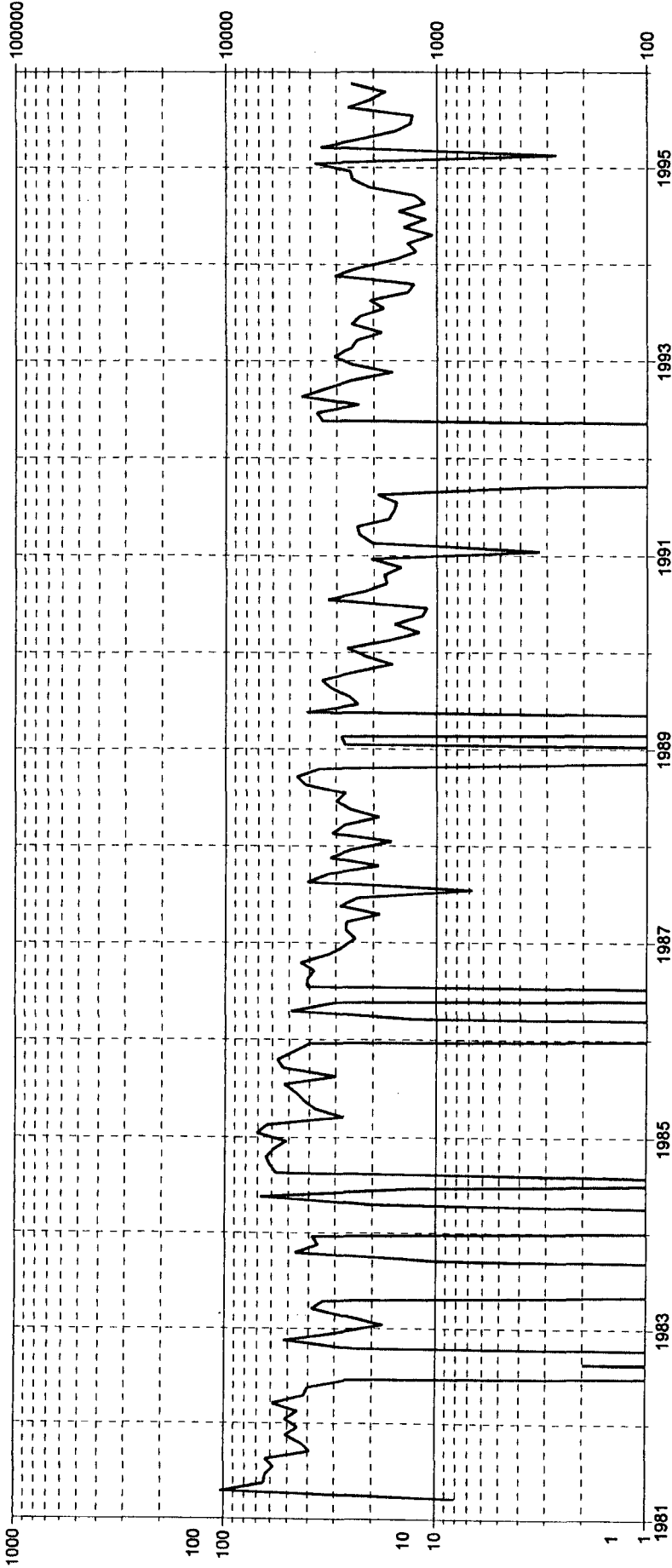
MESAVERDE

RUSSELL A-2	M-25-28-8	675 PSIG	
STOREY LS #3	M-26-28-8	600 PSIG	100 MCFD
BLANCO LS 12A	D-36-28-8	<u>600 PSIG</u>	<u>100 MCFD</u>
AVE		625 PSIG	100 MCFD

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)

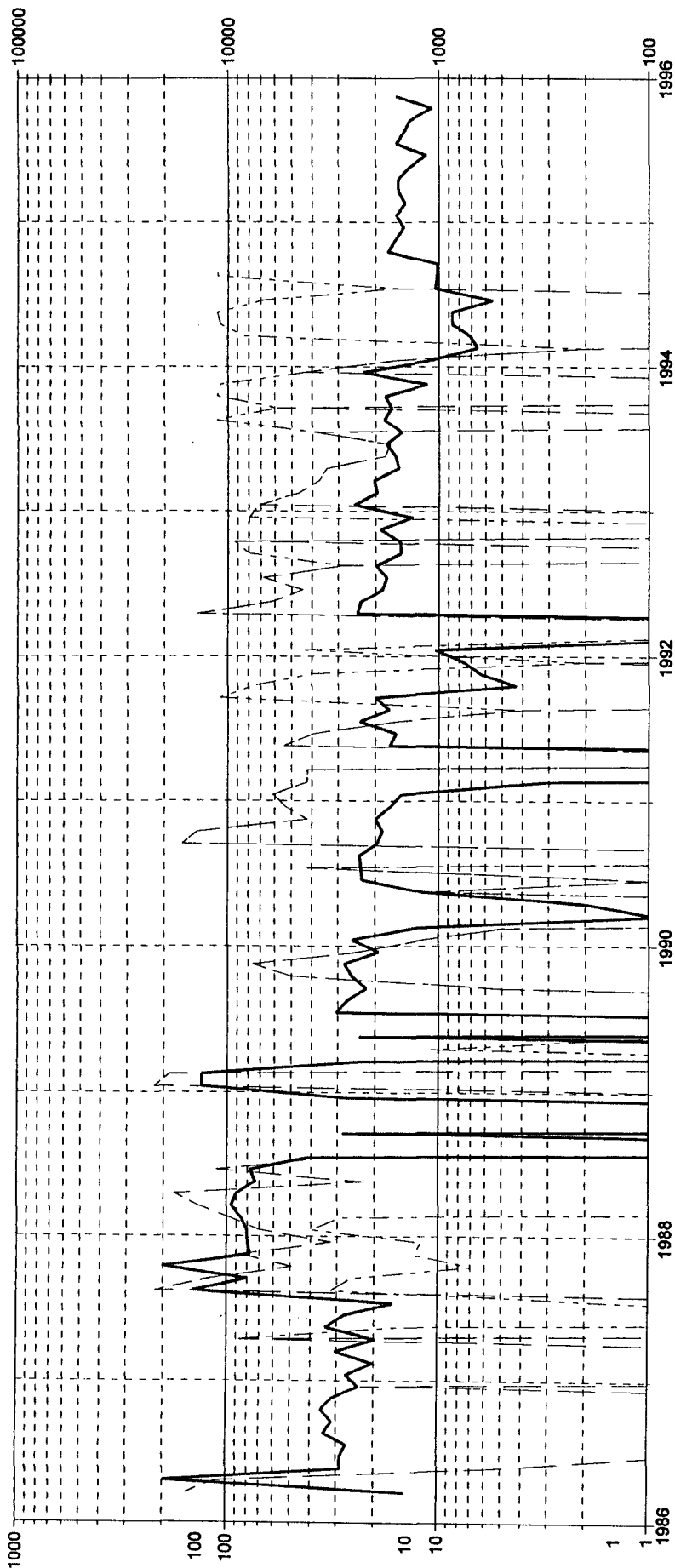
Date: 04/03/96

Gas (mcf/mo)

Dwights

1000 Lease: DRYDEN LS 00001A

Retrieval Code: 251,045,28N08W28100C



County: SAN JUAN

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: AMOCO PRODUCTION CO

State: NM

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

Gas (mcf/mo)

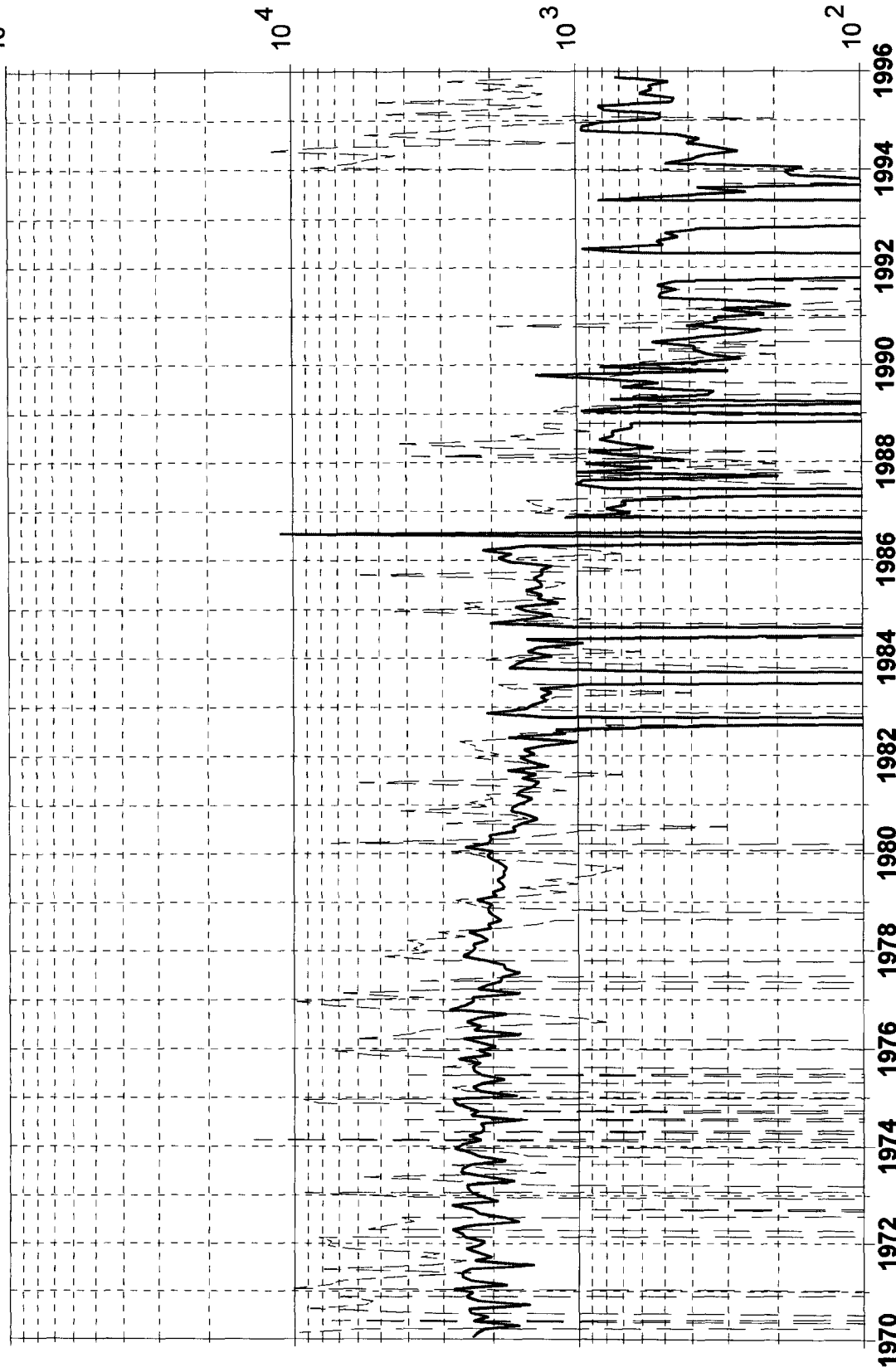
Dwights

Lease: RUSSELL A 000002

Retrieval Code: 251,045,28N08W25M00MV

04/09/96

10³
10³
10²
10²
10
10
1
1
10⁵
10⁴
10³
10²



Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)

F.P. Date: 05/53

County: SAN JUAN, NM

Field: BLANCO (MESAVERDE) MV Oil Cum: 11.22 mbbl

Reservoir: MESAVERDE Gas Cum: 797.3 mmcf

Operator: AMOCO PRODUCTION CO Location: 25M 28N 8W

10³
10³

10²
10²

10
10

1
1

Oil (bbl/mo)

Water (bbl/mo)

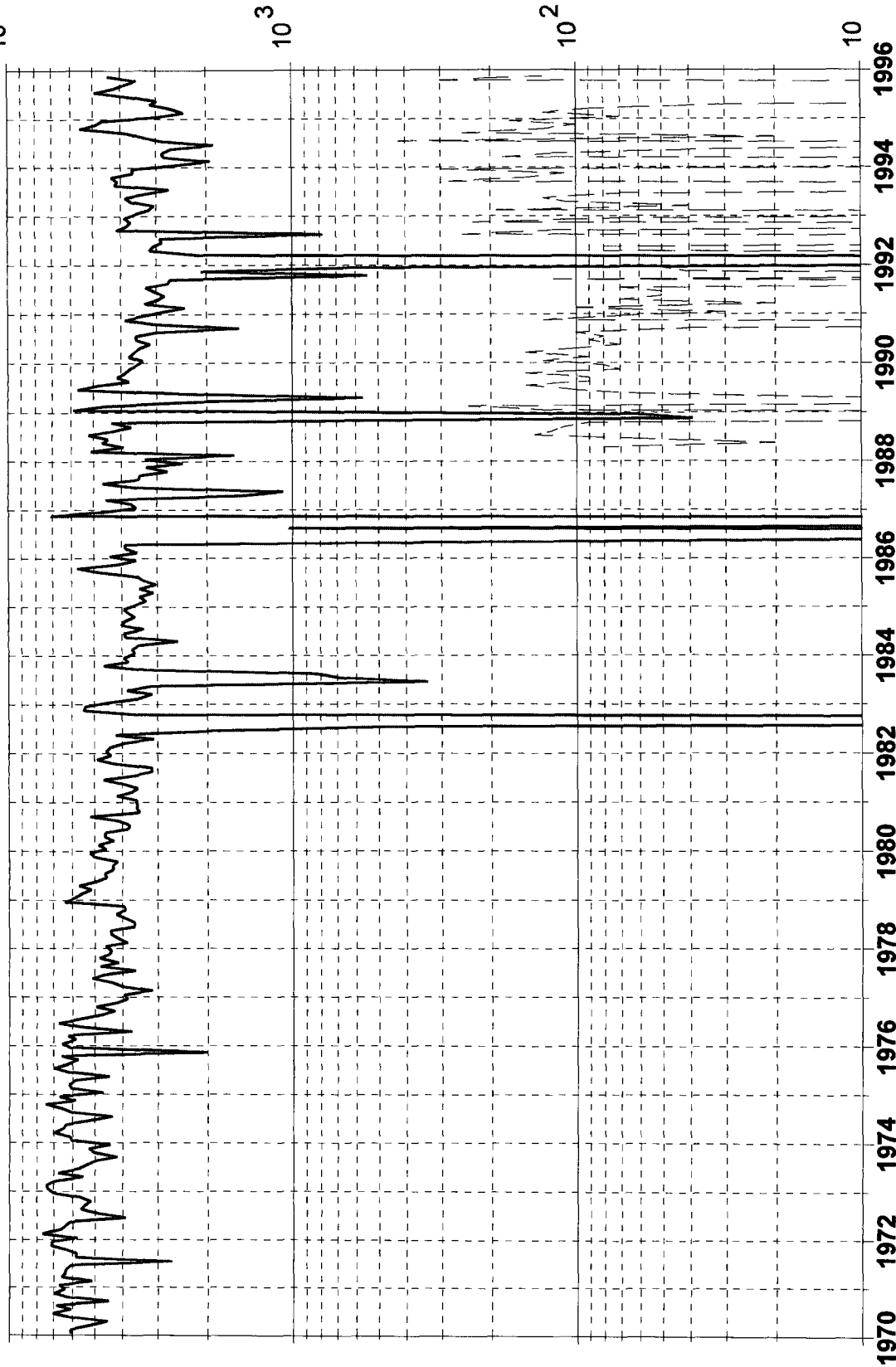
Gas (mcf/mo)

Dwights

Lease: STOREY LS 000003

Retrieval Code: 251,045,28N08W26M00MV

04/09/96



F.P. Date: 12/57

County: SAN JUAN, NM

Oil Cum: 1590 bbl

Field: BLANCO (MESAVERDE) MV

Gas Cum: 2169 mmcf

Reservoir: MESAVERDE

Location: 26M 28N 8W

Operator: AMOCO PRODUCTION CO

Dwights

Lease: BLANCO LS 00012A

Retrieval Code: 251,045,28N08W36D00MV

04/09/96

10³
10³
10³

10⁵

10²
10²
10²

10⁴

10
10

10³

1
1

10²

1986

1988

1990

1992

1994

1996

Oil (bbl/mo)

F.P. Date: 08/86

County: SAN JUAN, NM

Gas (mcf/mo)

Water (bbl/mo)

Oil Cum: 3098 bbl

Field: BLANCO (MESAVARDE) MV

Gas Cum: 361.3 mmcf

Reservoir: MESAVARDE

Location: 36D 28N 8W

Operator: AMOCO PRODUCTION CO

LIST OF OFFSET OPERATORS
Storey D #1M

CHACRA

No offset operated wells

MESAVERDE

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