



Southern

Rockies

Business

Unit

April 23, 1996

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P. O. Box 6429  
Santa Fe, NM 87505

**RECEIVED**  
MAY - 2 1996

**OIL CON. DIV.**  
**DIST. 3**

**Application for Exception to Rule 303-C - Downhole Commingling**  
**Barrett A #1E Well**  
**Unit G Section 20-T31N-R9W**  
**Basin Dakota and Blanco Mesaverde 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. 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: Mike Kutas  
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 86210-2835

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	1E	Address	San Juan
BARRETT A		G-20-31N-9W	
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000302 API NO. 3004525943 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		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	4628' - 5685'		7490' - 7724'
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) 628 PSI (EST) b. (Original) 1238 PSI	a. b.	a. 726 PSI b. 2392 PSI
6. Oil Gravity (" API) or Gas BTU Content	1150 BTU / 41.5 DEG API		1050 BTU
7. Producing or Shut-In?	NEW		SHUT-IN
Production Marginal? (yes or no)	NO		YES
• 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:	8-9/94 60 MCFD 0 BCPD 0 BWPD
• If Producing, give date and	Date: (EST) 400 MCFD	Date:	Date:

# OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

NEW MEXICO  
MINERALS DEPARTMENT

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

TENNECO OIL COMPANY		Lease BARRETT "A"		Well No. 1E
Section 20	Township 31N	Range 9W	County San Juan	
Footage Location of Well: 540 feet from the North line and 2215 feet from the East line				
Level Elev. 262	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 Acres	

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

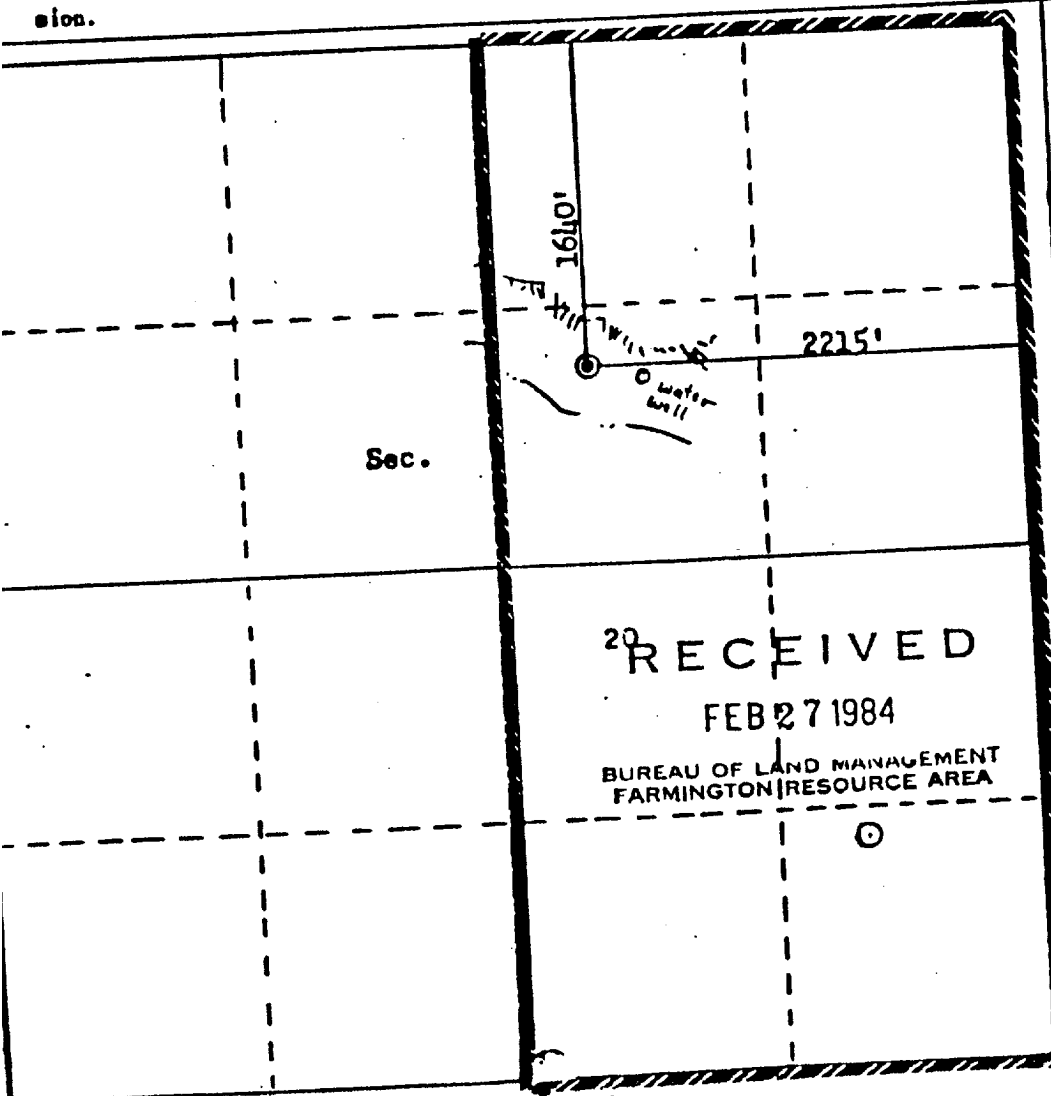
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

## CERTIFICATION

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

Name  
John Orr

Position  
Production Analyst

Company  
Tenneco Oil Company

Date  
February 22, 1984

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  
December 30, 1983

Registered Professional Engineer and Land Surveyor  
Fred B. Kert Jr.

Certificate No. 4112

3950

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

1 API Number 30-045-25943		2 Pool Code 72319		3 Pool Name Blanco Mesaverde		
4 Property Code 000302		5 Property Name Barrett A			6 Well Number 1E	
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 6262'	

10 Surface Location

UL or lot no. G	Section 20	Township 31N	Range 9W	Lot Ida	Feet from the 1640	North/South line North	Feet from the 2215	East/West line East	County San Juan
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11 Bottom Hole Location If Different From Surface

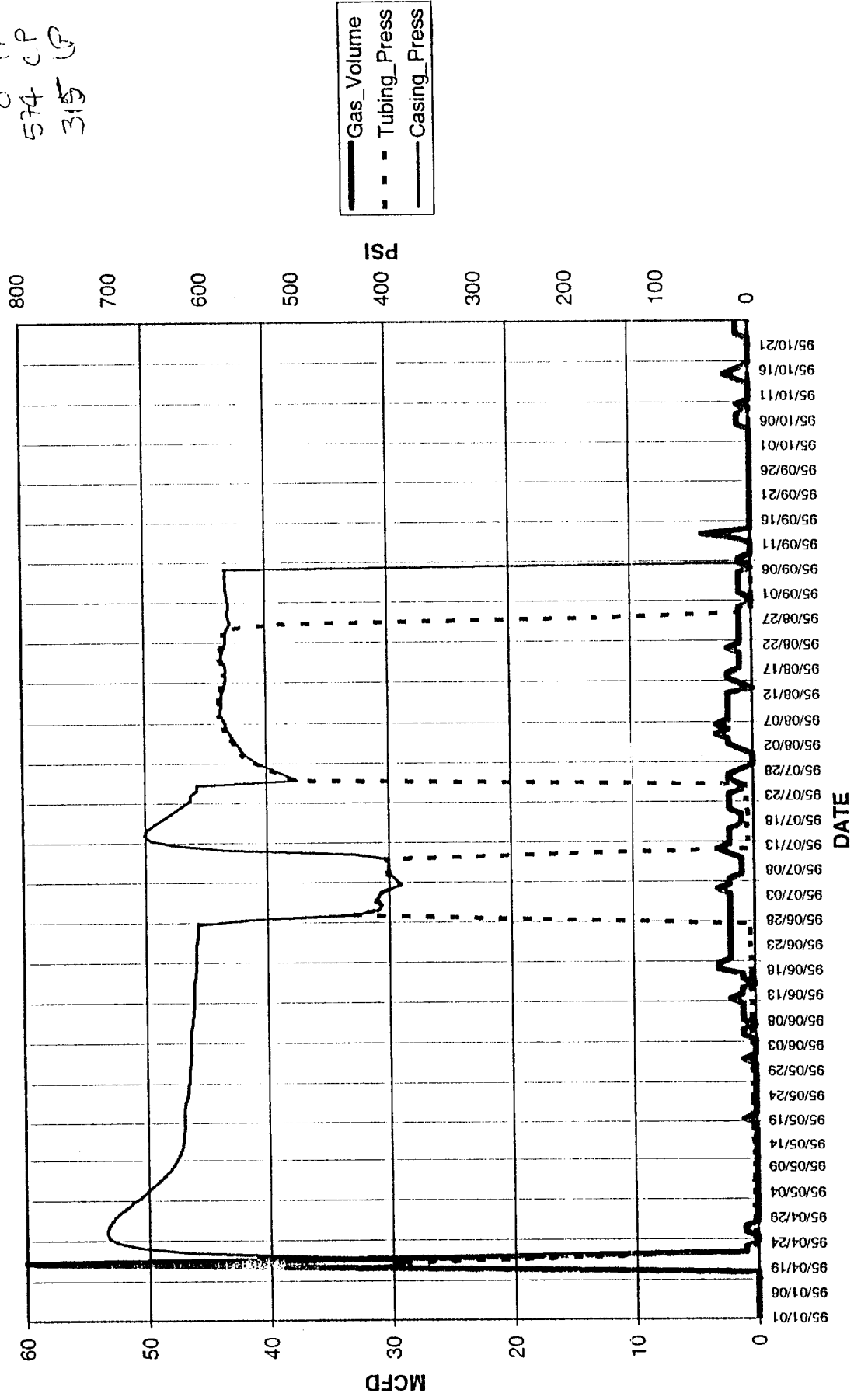
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

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 Haeefe</u> Patty Haeefe Printed Name Staff Assistant Title 4/16/96 Date			
				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. 12/30/83 Date of Survey Signature and Seal of Professional Surveyer:  on file 3950 Certificate Number			

Chart1

Well: BARRETT A 001E-DK (97985001)



10/30/95  
10:45 AM  
2 MCD  
0 TP  
574 CP  
315 GP

# DK wells Sec 20-T31N-R9W

Barrett A 1E

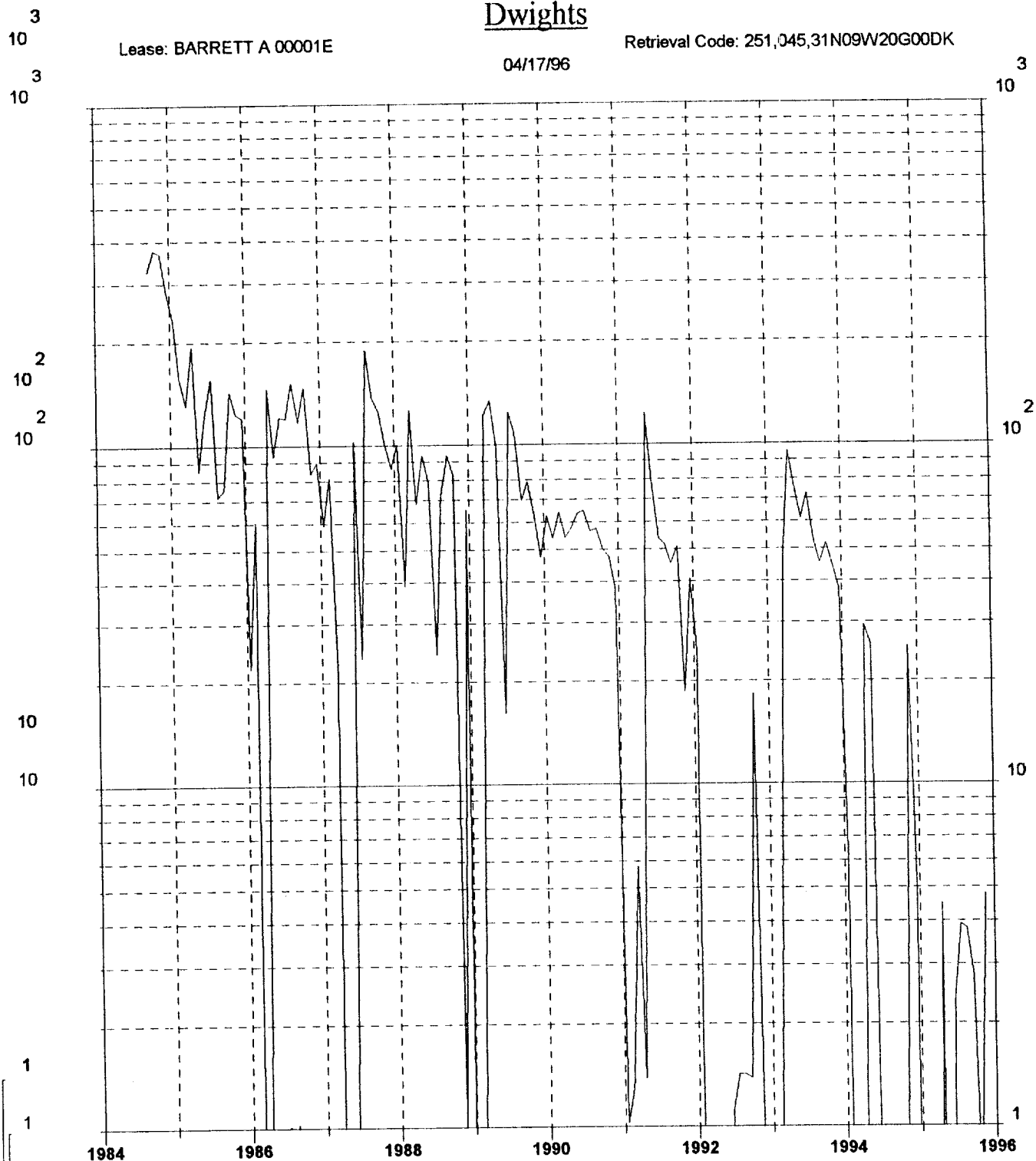
(18)	(17)	(16)
(19)	(20)	(21)
	<p>+ Barrett 1E APC 100; 85145</p> <p>+ Barrett A 1E APC 5; 261643</p> <p>+ Barrett 1 APC 0,52327</p> <p>+ Barrett A 1 APC 110; 689259</p>	
(20)	(29)	(28)
	<p>+ Sheets Com 1 APC 19; 129203</p> <p>+ Horton 1 APC 15; 1482000</p> <p>+ Horton 1E APC 50; 319128</p> <p>+ Sheets 4 MOI 7; 325350</p>	

# Dwights

Lease: BARRETT A 00001E

Retrieval Code: 251,045,31N09W20G00DK

04/17/96



Gas (mcf/day)

County: SAN JUAN, NM

F.P. Date: 09/84

Oil (bbl/day)

Water (bbl/day)

Field: BASIN (DAKOTA) DK

Oil Cum: 18 bbl

Reservoir: DAKOTA

Gas Cum: 261.6 mmcf

Operator: AMOCO PRODUCTION CO

Location: 20G 31N 9W

**OFFSET WELLS USED TO ESTIMATE MESAVERDE PRODUCTION**  
**AVERAGE STABILIZED RATES FROM NEWER WELLS**

San Juan 32-9 Unit 18R	K-17-31-9	375 MCFD
Sheets 1R	28-31-9	400 MCFD
Jacques LS #1R	B-29-31-9	400 MCFD

**ALLOCATION METHOD**

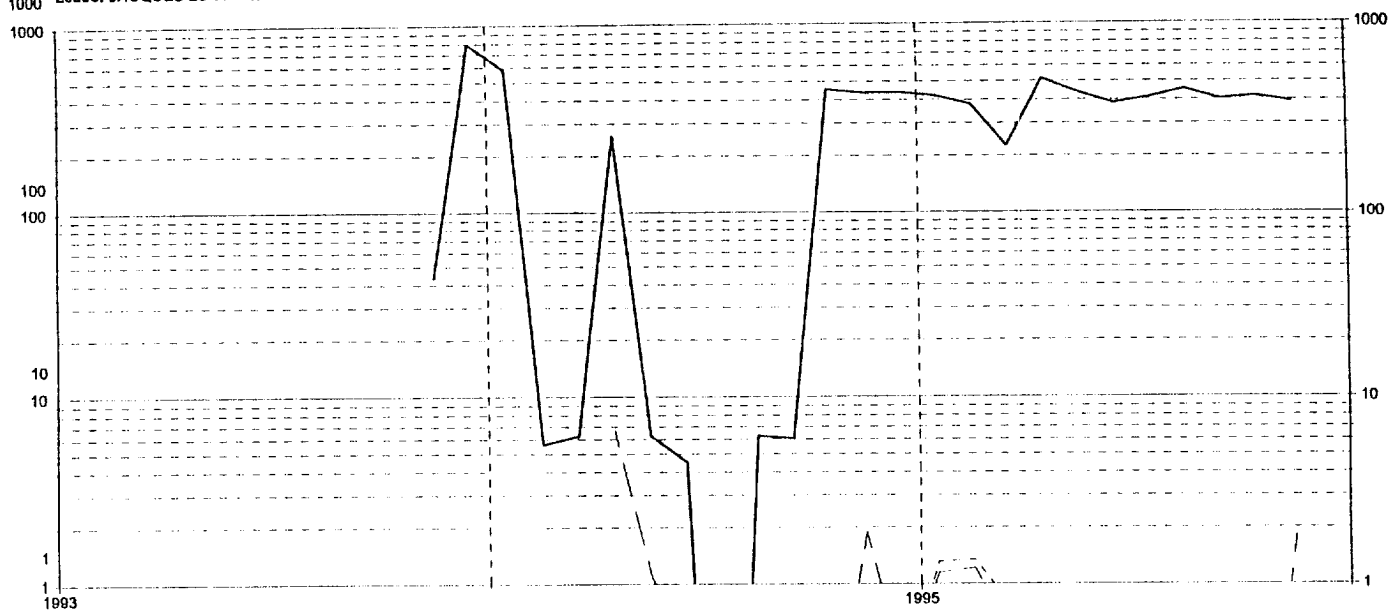
Allocation shall be established by testing the Mesaverde after frac and cleanup and before removing the bridge plug. Once that rate is established, the allocation will be set at the percentage contributed by the existing Dakota and the new rate established in the Mesaverde. We will forward those allocation percentages to you after the Mesaverde completion has been established.



# Dwights

Lease: JACQUES LS 00001R

Retrieval Code: 251,045,31N09W29B00M



County: SAN JUAN

State: NM

F.P. Date: 11/93

Date: 04/04/98

Field: BLANCO (MESAVERDE) MV

Oil Cum: 599 bbl

Reservoir: MESAVERDE

Gas Cum: 226736 mcf

Water (bbl/day)

Operator: AMOCO PRODUCTION CO

Location: 29B 31N 9W

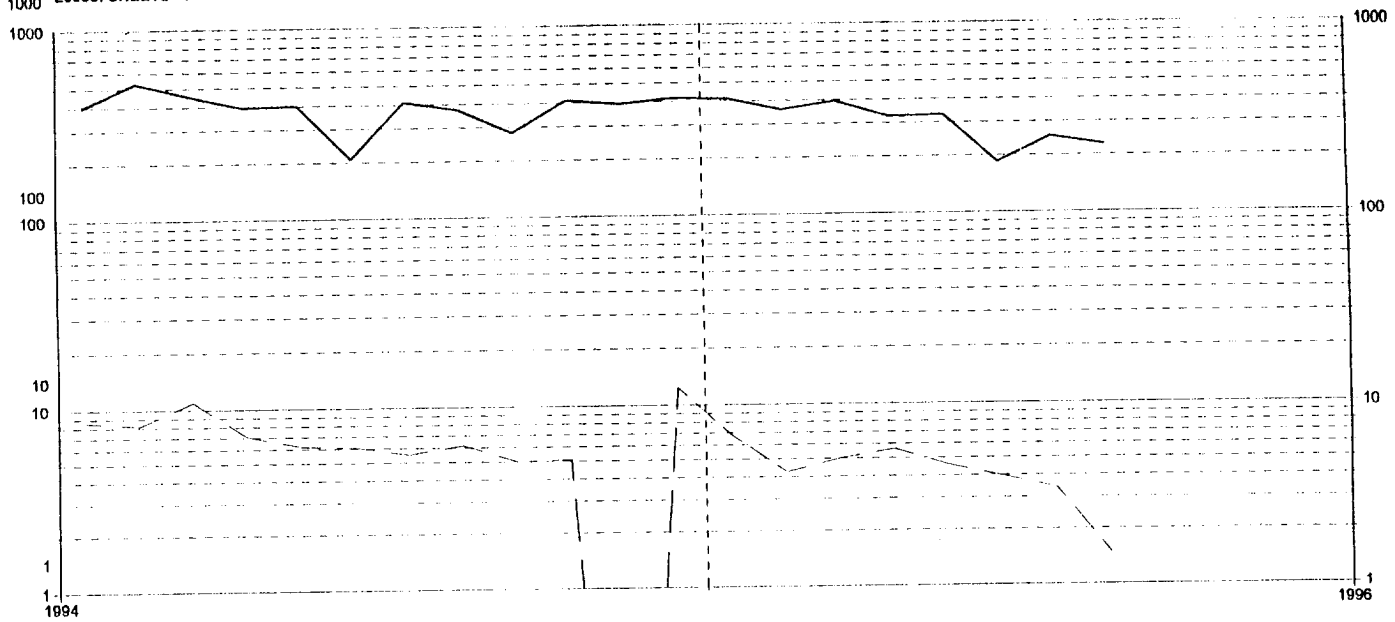
Gas (mcf/day)

Oil (bbl/day)

# Dwights

Retrieval Code: 251,045,045286477231

Lease: SHEETS 001R



County: SAN JUAN

State: NM

F.P. Date: 01/94

Date: 04/04/96

Field: BLANCO (MESAVERDE) MV

Oil Cum: 3535 bbl

Reservoir: MESAVERDE

Gas Cum: 216846 mcf

Water (bbl/day)

Operator: MERIDIAN OIL INC

Location: 28 31N 9W

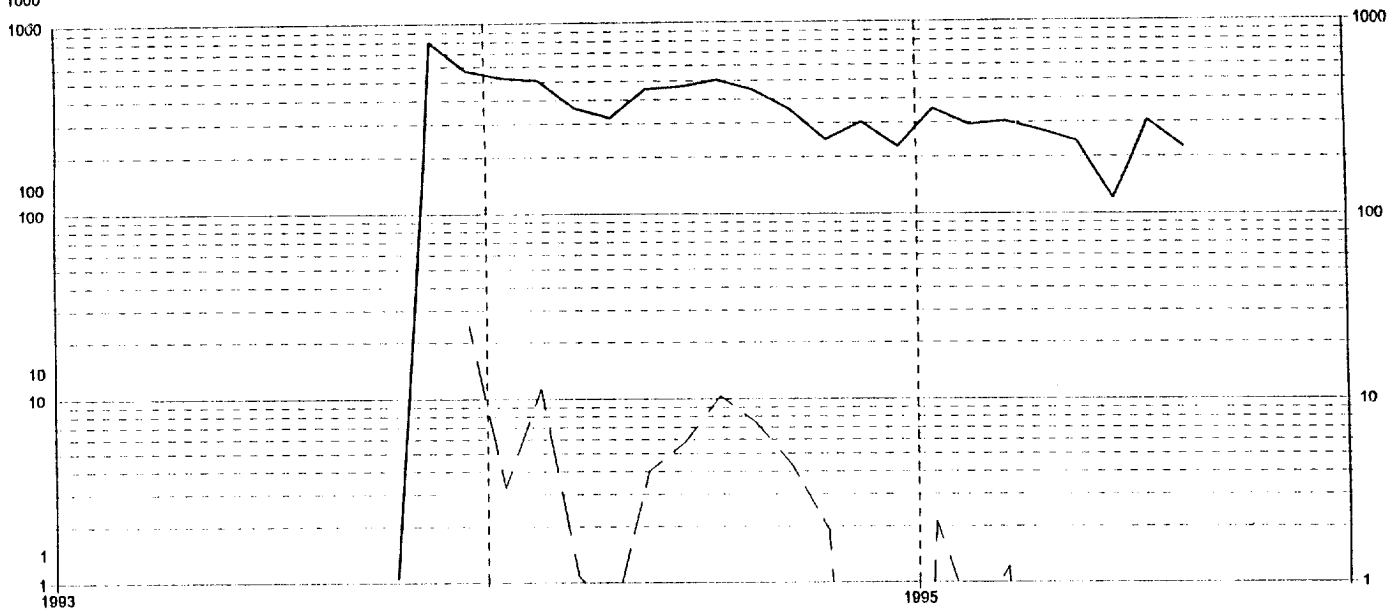
Gas (mcf/day)

Oil (bbl/day)

# Dwights

1000 Lease: SAN JUAN 32 9 UNIT 00018R

Retrieval Code: 251,045,31N09W17K00M



County: SAN JUAN

State: NM

F.P. Date: 10/93

Date: 04/04/96

Field: BLANCO (MESAVERDE) MV

Oil Cum: 2461 bbl

Gas Cum: 248588 mcf

Water (bbl/day)

Reservoir: MESAVERDE

Location: 17K 31N 9W

Gas (mcf/day)

Oil (bbl/day)

Operator: MERIDIAN OIL INC

**OFFSET OPERATORS**  
**BARRETT A #1E**

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