

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

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

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

X Administrative Hearing

EXISTING WELLBORE

X YES NO

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1893

APPLICATION FOR DOWNHOLE COMMINGLING

Amoco Production Company

PO Box 3092 Houston, TX 77253-3092

Operator	1	Address	F 15-29N-08W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County	

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000990 API NO. 30-045-22874 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	Blanco Mesaverde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4634' - 5334' EST		7293' - 7533'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 557 psig (est)	a.	a. 768 psig
Oil Zones - Artificial Lift:			
Gas & Oil - Flowing: Estimated Current			
All Gas Zones: Measured Current	b. (Original) 1215 psig (est)	b.	b. 842 psig
Estimated or Measured Original			
6. Oil Gravity (° API) or Gas BTU Content	1274 btu (est)		1091 btu
7. Producing or Shut-In?	New zone		Producing
Production Marginal? (yes or no)	YES		YES
• If Shut-In, give data and oil/gas/water rates of last production	Date: 150 MCFD EST. Rates: .6 BCFD EST.	Date Rates:	Date Rates:
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)	Date: Rates:	Date: Rates:	Date: 8/11/99 Rates: 57 MCFD 0 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 100 % Gas 72 %	Oil: % Gas %	Oil: 0 % Gas 28 %

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? 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. X 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 NO FEDERAL OR STATE LANDS

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. SEE ATTACHED
- * 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 Mary Corley TITLE Sr. Business Analyst DATE 9/13/99
TYPE OR PRINT NAME Mary Corley TELEPHONE NO. (281) 366-4491

OFFSET OPERATORS

Roelofs #1

**Burlington Resources Oil and Gas Co.
PO Box 4289
Farmington, NM 87499**

**Conoco Inc.
10 Desta Drive, Suite 100 West
Midland, TX 79705-4515**

PRODUCTION ALLOCATION RECOMMENDATION

Roelofs #1

Since no Mesaverde Production has been established for the subject well Amoco Production Company proposes to from the Dakota formation in the subject well and the estimated production rate established utilizing the production from Mesaverde wells producing in the immediate area of the subject well. This method of calculation is indicated on the attached Production Allocation Worksheet.

WORKING, OVERRIDING, and ROYALTY INTEREST OWNERS NOTIFICATION

Roelofs #1

All of the working, overriding, and royalty interest are identical in both proposed commingled zones.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 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 and Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-22874	Pool Code 72319 & 71599	Pool Name Blanco Mesaverde & Basin Dakota
Property Code 000990	Property Name Roelfos	Well Number 1
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6422' GR

Surface Location

UL or lot no. UNIT F	Section 15	Township 29N	Range 8W	Lot. Idn	Feet from the 2115	North/South Line NORTH	Feet from the 1790	East/West Line WEST	County San Juan
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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 Acreage: 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**

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
	Signature <i>Mary Corley</i>
	Printed Name Mary Corley
	Position Sr. Business Analyst
	Date 08/13/1999
	SURVEY CERTIFICATION <i>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.</i>
	01/03/1978
	Date of Survey
	Signature & Seal of Professional Surveyor Fred B. Kerr Jr.
	Certificate No. 3950

Roelofs 1 Production Allocation

DK	0.08	PC	0.04
MV	0.07	FT	0.04
		CK	0.04

WELL NAME: **ROELOFS 1**

FORMATION: **DK**

SURFACE PRESS: **175**

PERFS TOP: **7293**

BOTTOM: **7533**

$$(7293 + 7533) / 2 = 7413 \text{ Mid Perf}$$

$$7413 \times 0.08 = 593$$

$$593.04 + 175 = 768 \text{ Bottom Hole Pressure}$$

Initial Bottom Hole Pressure= **842**

WELL NAME: **ROELOFS B #2**

FORMATION: **MV**

SURFACE PRESS: **200**

PERFS TOP: **4659**

BOTTOM: **5408**

$$(4659 + 5408) / 2 = 5034 \text{ Mid Perf}$$

$$5033.5 \times 0.07 = 352$$

$$352.35 + 200 = 552 \text{ Bottom Hole Pressure}$$

Initial Bottom Hole Pressure= **1232**

WELL NAME: **ROELOFS B #3**

FORMATION: **MV**

SURFACE PRESS: **188**

PERFS TOP: **4925**

BOTTOM: **5773**

$$(4925 + 5773) / 2 = 5349 \text{ Mid Perf}$$

$$5349 \times 0.07 = 374$$

$$374.43 + 188 = 562 \text{ Bottom Hole Pressure}$$

Initial Bottom Hole Pressure= **1197**

WELL NAME: **ROELOFS 1**

FORMATION: **MV**

$$\text{Initial Bottom Hole Pressure: } (1232 + 1197) / 2 = 1215$$

$$\text{Bottom Hole Pressure: } (552 + 562) / 2 = 557 \text{ est.}$$

$$\text{ROELOFS B 2 + ROELOFS B 3 BBLs } (240 + 181) / 2 = 211 \text{ est. annual production}$$

$$\text{ROELOFS B 2 + ROELOFS B 3 MCF } (38551 + 70988) / 2 = 54770 \text{ est. annual production}$$

ALLOCATION

FM	BBL	%	GAS	%
DK	0	0%	20909	28%
MV	211	100%	54770	72%

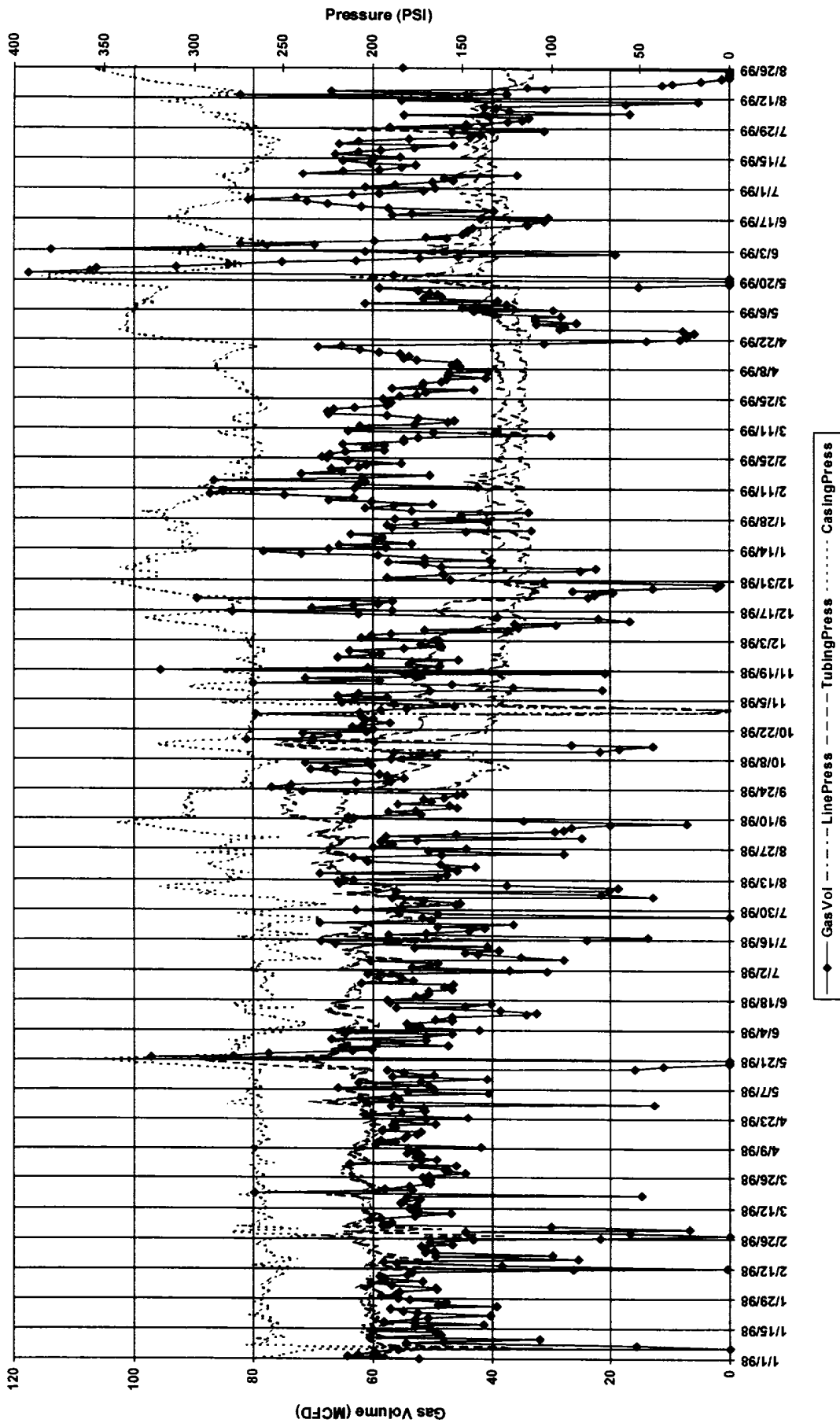
Wellname: ROELOFS 001-DK

Flacwell: 97942601

API: 300452287400

Amoco - OIDB/Synergy Data

Daily Well Production



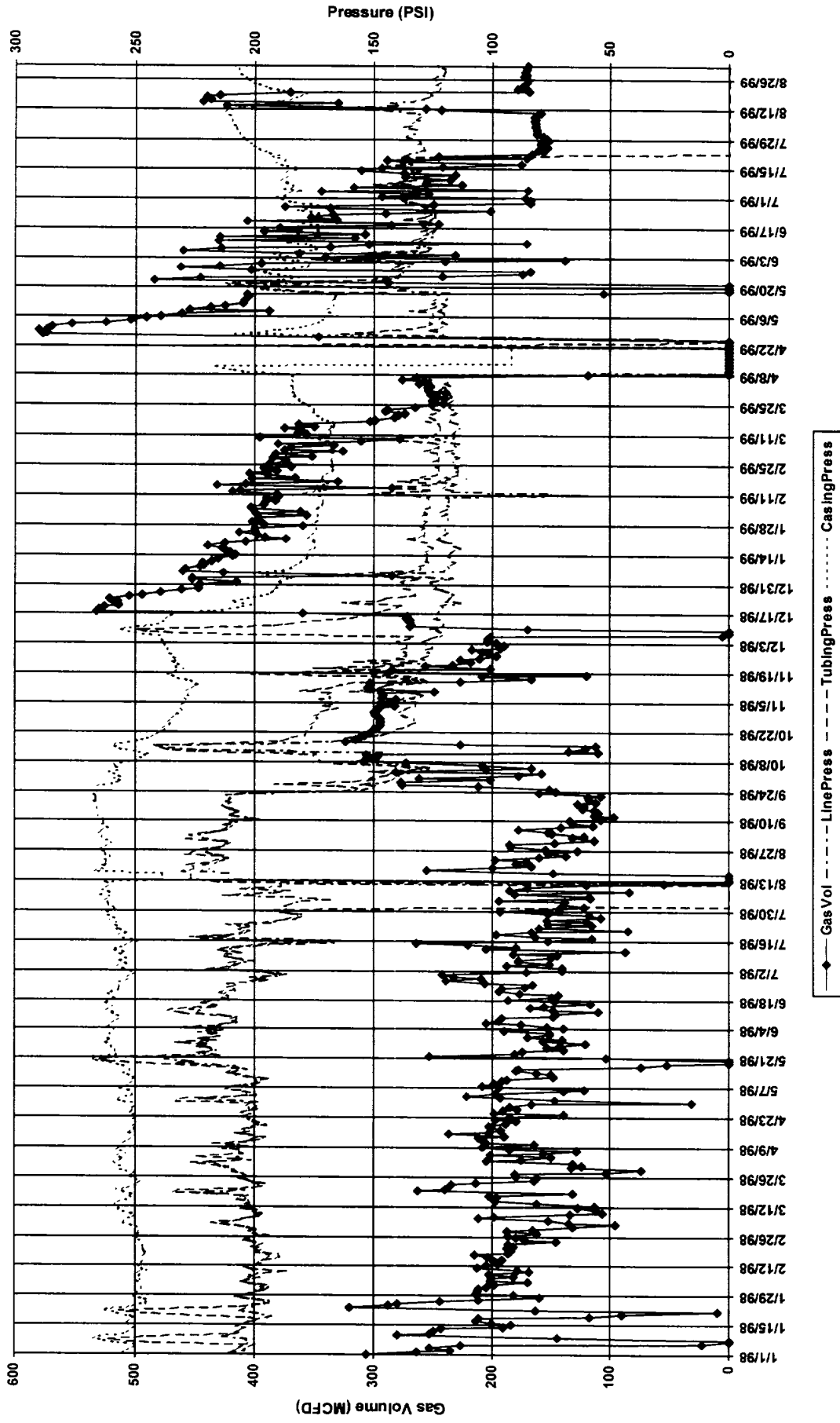
Wellname: ROELOFS B 003-MV

Flacwell: 97863701

API: 300450820800

Amoco - OIDB/Synergy Data

Daily Well Production



Wellname: ROELOFS B 002-MV Flacwell: 97863901 API: 300450837100 Amoco - OIDB/Synergy Data

