

## **Ernie Busch**

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**From:** Ernie Busch  
**To:** Ben Stone  
**Subject:** AMOCO BACA GAS COM A#1(DHC)  
**Date:** Thursday, March 21, 1996 1:37PM  
**Priority:** High

H-26-29N-10W  
RECOMMEND: APPROVAL

OG60004X-OG602P4X-01

TIME: 17:05:47

OPERATOR: 131994 FOUR STAR OIL & GAS CO

POOL: 71599 BASIN DAKOTA (PRORATED GAS)

PRODUCING PROPERTY

017682 H J LOE FEDERAL B

017689 JICARILLA B

017690 JICARILLA C

017691 JICARILLA D  
017692 JOHN CHARLES

017693 KEYS COM

017695 L M BARTON  
017702 MEXICO FEDERAL K

017705 NAVAJO ALLOTTEES M  
017707 NAVAJO TRIBE AA  
017718 NEW MEXICO COM H  
017720 NEW MEXICO COM L  
017721 NEW MEXICO COM M  
017722 NEW MEXICO COM O  
017723 NEW MEXICO COM P  
017724 P L DAVIS

017725 PAUL WILLIAMS

POOL: 71629 BASIN FRUITLAND COAL (GAS)

017661 BOLACK 2  
017665 C W ROBERTS

017667 CHARLEY PAH

017669 DOME FEDERAL 7-27-13

PAGE: 3  
DATE: 02/28/1996

| WELL<br>NUMB | WELL<br>ST CNTY NUM | API | WELL ULSTR<br>T R SC U | OIL<br>POD | GAS<br>POD | WATER<br>POD | CO2<br>POD |
|--------------|---------------------|-----|------------------------|------------|------------|--------------|------------|
| 003E         | 30 045 24555        |     | 29N 12W 23 15          | 2516010    | 2516030    | 2516050      |            |
| 003          | 30 045 07955        |     | 29N 12W 23 13          | 2515910    | 2515930    | 2515950      |            |
| 002R         | 30 045 22163        |     | 29N 12W 23 7           | 2515810    | 2515830    | 2515850      |            |
| 002E         | 30 045 24554        |     | 29N 12W 23 5           | 2509710    | 2509730    | 2509750      |            |
| 020E         | 30 039 22513        |     | 25N 05W 31 3           | 2502410    | 2502430    | 2502450      |            |
| 026E         | 30 039 23189        |     | 25N 05W 31 J           | 2498410    | 2498430    | 2498450      |            |
| 020          | 30 039 05766        |     | 25N 05W 31 1           | 2498310    | 2498330    | 2498350      |            |
| 026          | 30 039 22842        |     | 25N 05W 31 A           | 2498210    | 2498230    | 2498250      |            |
| 024          | 30 039 21111        |     | 24N 05W 06 P           | 2498110    | 2498130    | 2498150      |            |
| 022          | 30 039 05665        |     | 24N 05W 06 12          | 2498010    | 2498030    | 2498050      |            |
| 023          | 30 039 21066        |     | 24N 05W 05 P           | 2497910    | 2497930    | 2497950      |            |
| 003E         | 30 039 22659        |     | 24N 05W 05 N           | 2497810    | 2497830    | 2497850      |            |
| 023E         | 30 039 22967        |     | 24N 05W 05 9           | 2497710    | 2497730    | 2497750      |            |
| 003          | 30 039 05683        |     | 24N 05W 05 5           | 2497610    | 2804614    | 2497650      |            |
| 028E         | 30 039 23434        |     | 25N 05W 34 E           | 2500310    | 2500330    | 2500350      |            |
| 028          | 30 039 22723        |     | 25N 05W 34 B           | 2500210    | 2804614    | 2500250      |            |
| 027          | 30 039 21068        |     | 25N 05W 33 E           | 2500110    | 2500130    | 2500150      |            |
| 027E         | 30 039 22843        |     | 25N 05W 33 B           | 2500010    | 2804614    | 2500050      |            |
| 006E         | 30 039 22929        |     | 25N 05W 27 M           | 2499910    | 2499930    | 2499950      |            |
| 014E         | 30 039 22720        |     | 25N 05W 27 D           | 2804614    | 2499850    |              |            |
| 004          | 30 039 05706        |     | 25N 05W 32 M           | 2498710    | 2804614    | 2498750      |            |
| 007          | 30 045 08445        |     | 27N 09W 13 N           | 2516210    | 2516230    | 2516250      |            |
| 007E         | 30 045 24812        |     | 27N 09W 13 D           | 2516110    | 2516130    | 2516150      |            |
| 001          | 30 045 07641        |     | 29N 10W 32 N           | 2514310    | 2514330    | 2514350      |            |
| 001E         | 30 045 24396        |     | 29N 10W 32 F           | 2502110    | 2502130    | 2502150      |            |
| 001          | 30 045 09715        |     | 30N 12W 12 F           | 2504510    | 2504530    | 2504550      |            |
| 001          | 30 045 07569        |     | 28N 10W 09 M           | 2521610    | 2521630    | 2521650      |            |
| 001E         | 30 045 23676        |     | 28N 10W 08 N           | 2521510    | 2521530    | 2521550      |            |
| 003          | 30 045 21742        |     | 25N 11W 23 D           | 2518810    | 2518830    | 2518850      |            |
| 001          | 30 045 06327        |     | 27N 11W 19 P           | 2514410    | 2514430    | 2514450      |            |
| 001          | 30 045 09070        |     | 30N 13W 36 D           | 2810313    | 2514530    | 2514550      |            |
| 001          | 30 045 09005        |     | 30N 13W 36 I           | 2812412    | 2514630    | 2514650      |            |
| 001          | 30 045 10173        |     | 31N 12W 36 A           | 2514710    | 2514730    | 2514750      |            |
| 001          | 30 045 08938        |     | 30N 10W 36 A           | 2504910    | 2504930    | 2504950      |            |
| 001          | 30 045 12158        |     | 30N 10W 36 A           | 2514810    | 2514830    | 2514850      |            |
| 001          | 30 045 23625        |     | 26N 11W 26 P           | 2521310    | 2521330    | 2521350      |            |
| 002E         | 30 045 23624        |     | 26N 11W 26 D           | 2521210    | 2521230    | 2521250      |            |
| 001E         | 30 045 21079        |     | 26N 06W 35 F           | 2518710    | 2518730    | 2518750      |            |
| 003          | 30 039 22610        |     | 26N 06W 35 A           | 2518610    | 2518630    | 2518650      |            |
| 003E         | 30 039 22610        |     |                        |            |            |              |            |

|     |              |  |              |         |         |  |  |
|-----|--------------|--|--------------|---------|---------|--|--|
| 001 | 30 045 28786 |  | 27N 11W 02 G | 2522230 | 2522250 |  |  |
| 002 | 30 039 05987 |  | 25N 03W 18 3 | 2515330 | 2515350 |  |  |
| 009 | 30 039 24957 |  | 25N 03W 17 G | 2515230 | 2515250 |  |  |
| 006 | 30 045 28205 |  | 27N 09W 12 N | 2504430 | 2504450 |  |  |
| 005 | 30 045 28690 |  | 27N 09W 12 B | 2504330 | 2504350 |  |  |
| 003 | 30 045 24047 |  | 27N 13W 07 G | 2515130 | 2515150 |  |  |

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FEB 28 1996



**Southern**

**Rockies**

**Business**

**Unit**

February 16, 1996

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

**RECEIVED**  
MAR 4 1996

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

**Application for Exception to Rule 303-C**

**Downhole Commingling**

**Baca Gas Com A#1 Well**

**1670' FNL & 1175' FEL, Unit H Section 26-T29N-R10W**

**Otero Chacra (Pool IDN 82329) and Blanco Mesaverde (Pool IDN 72319) Pools**

**San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval to downhole commingle production from the Blanco Mesaverde and Otero Chacra Pools in the Baca Gas Com A#1 well referenced above. The Baca Gas Com A#1 is currently a dual completion in the Mesaverde and Chacra formations. We plan to complete the well with both the Mesaverde and Chacra formations being downhole commingled in the wellbore. The two zones are expected to produce at a total commingled rate of about 80 MCFD with approximately 1.5 BCPD. Downhole commingling should improve productivity of the well as the dual equipment tends to restrict the Mesaverde production due to liquid loading. Downhole commingling will offer an economical method of production while protecting against reservoir damage, waste of reserves and violation of correlative rights. The ownership (WI, RI, ORI) of these pools is not common in this wellbore. Offset operators to this well and all interest owners in the well will receive a copy of this application by certified mail.

The allocation method that we plan to use for this commingled well is as follows. Both formations have been producing at stabilized rates for some time. We recommend that the Mesaverde and Chacra formations gas and condensate be allocated based on current rates. The Mesaverde is currently producing 50 MCFD with 1.5 BCPD while the Chacra is currently producing 30 MCFD with no condensate. The recommended allocation percentages after downhole commingling would be set as a percentage of the total rate with the Mesaverde attributing 62% of gas production and 100 % of condensate production. The Chacra would be allocated at 38% of gas production and no condensate production. The actual commercial value of the commingled production will not be less than the sum of the values of the production from each of the common sources of supply.

Attached to aid in your review are plats showing the location of the well and offset wells in the same formation, a historical and recent production plot and a C-102 for each formation. This spacing unit involves federal lease number SF-077082 and a copy of this application will be sent to the BLM as their notice.

Should you have questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,



Pamela W. Staley

Enclosures

cc: Steve Webb  
Gail Jefferson

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

**Application for Exception to Rule 303: SEGREGATION OF PRODUCTION FROM POOLS**

**Requirements**

- (1) Name and address of the operator:

Amoco Production Company  
P.O. Box 800  
Denver, CO 80201

- (2) Lease name, well number, well location, name of the pools to be commingled:

Lease Name: Baca Gas Com

Well Number: A#1

Well Location: 1670' FNL & 1175' FEL  
Unit H Section 26-T29N-R10W  
San Juan County, New Mexico

Pools Commingled: Blanco Mesaverde Pool (Pool IDN 72319)  
Otero Chacra Pool (Pool IDN 82329)

- (3) A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.

Attached

- (4) A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas and water produced from each zone.

The Mesaverde produced an average stabilized rate of 50 MCFD and 1.5 BCPD. The Chacra zone produced at an average rate of about 30 MCFD and 0 BCPD.

- (5) A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes.

Otero Chacra Completion:

Historical production curve attached.

Blanco Mesaverde Completion:

Historical production curve attached.

- (6) Estimated bottomhole pressure for each zone. A current (within 30 days) measured bottom hole pressure for each zone capable of flowing.

Bottomhole pressures were estimated from 7 day shut-in pressures taken in June 1995 for the well. Estimated bottomhole pressure in the Chacra formation is 346 PSI while the estimated bottomhole pressure in the Mesaverde is 521 PSI.

- (7) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the wellbore.

The two formations do not produce any fluids that are expected to prohibit commingling, or promote the creation of emulsions or scale.

- (8) A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams:

Since the BTU content of the produced gasses are very similar, we would expect the commingled production to have a similar value as the sum of the individual streams.

- (9) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula:

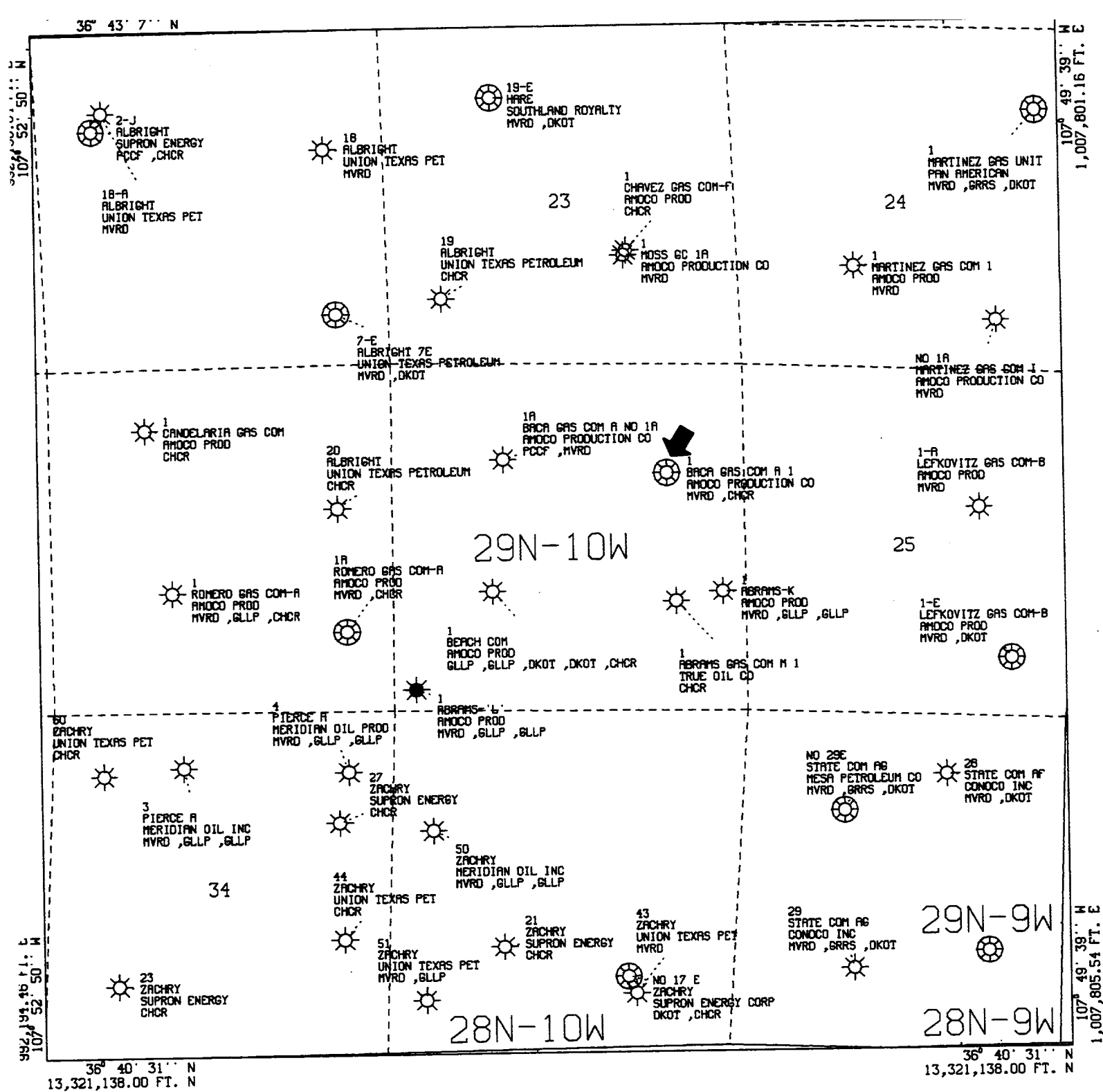
The allocation method that we plan to use for this commingled well is as follows. Both formations have been producing at stabilized rates for some time. We recommend that the Mesaverde and Chacra formations gas and condensate be allocated based on current rates. The Mesaverde is currently producing 50 MCFD with 1.5 BCPD while the Chacra is currently producing 30 MCFD with no condensate. The recommended allocation percentages after downhole commingling would be set as a percentage of the total rate with the Mesaverde attributing 62% of gas production and 100 % of condensate production. The Chacra would be allocated at 38% of gas production and no condensate production. The actual commercial value of the commingled production will not be less than the sum of the values of the production from each of the common sources of supply.

- (10) A statement that all offset operators and, in the case of a well on federal land, the United States Bureau of Land Management, have been notified in writing of the proposed commingling.

The offsetting operators listed on the attached sheet as well as the BLM will receive a copy of this application by certified mail.

- (11) Referencing NMOCD Order No. 10470 Rule 303 (D) (11): In a case where there is diversity of ownership between the zones to be commingled (including working royalty, or overriding royalty interest), the applicant shall submit a statement that all such interest owners have been notified in writing of the proposed commingling.

All interest owners in the two formations will receive a copy of this application by certified mail.



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

POLYCONIC CENTRAL MERIDIAN - 107° 51' 14" W LON  
SPHEROID - 6

AMOCO PRODUCTION COMPANY  
PLAT MAP

Baca Gas Com A 1  
CK & MV Formations

SCALE 1 IN. = 2,000 FT. SEP 18, 1995

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2044

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

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

|                                                                                                                                |                                                  |                                                |                                             |                           |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|---------------------------------------------|---------------------------|
| Operator<br><b>AMOCO PRODUCTION COMPANY</b>                                                                                    |                                                  | Lease<br><b>BACA GAS COM "A"</b>               |                                             | Well No.<br><b>1</b>      |
| Unit Letter<br><b>H</b>                                                                                                        | Section<br><b>26</b>                             | Township<br><b>29N</b>                         | Range<br><b>10W</b>                         | County<br><b>San Juan</b> |
| Actual Footage Location of Well:<br><b>1670</b> feet from the <b>North</b> line and <b>1175</b> feet from the <b>East</b> line |                                                  |                                                |                                             |                           |
| Ground Level Elev:<br><b>5534</b>                                                                                              | Producing Formation<br><b>Mesaverde + Chacra</b> | Pool<br><b>Blanco Mesaverde + Otero Chacra</b> | Dedicated Acreage<br><b>320 / 160</b> Acres |                           |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitized

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.

|      |    |       |       |
|------|----|-------|-------|
| Sec. | 26 | 1670' | 1175' |
|      |    |       |       |

## CERTIFICATION

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

Original Signed By  
**B. D. Shaw**

Name

**B. D. Shaw**

Position

**Admin. Supervisor**

Company

**Amoco Production Company**

Date

**10-8-84**

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

**October 6, 1984**Registered Professional Engineer  
and Land Surveyor**Fred B. Kent Jr.**Certificate No. **111**



Engr: zdws22

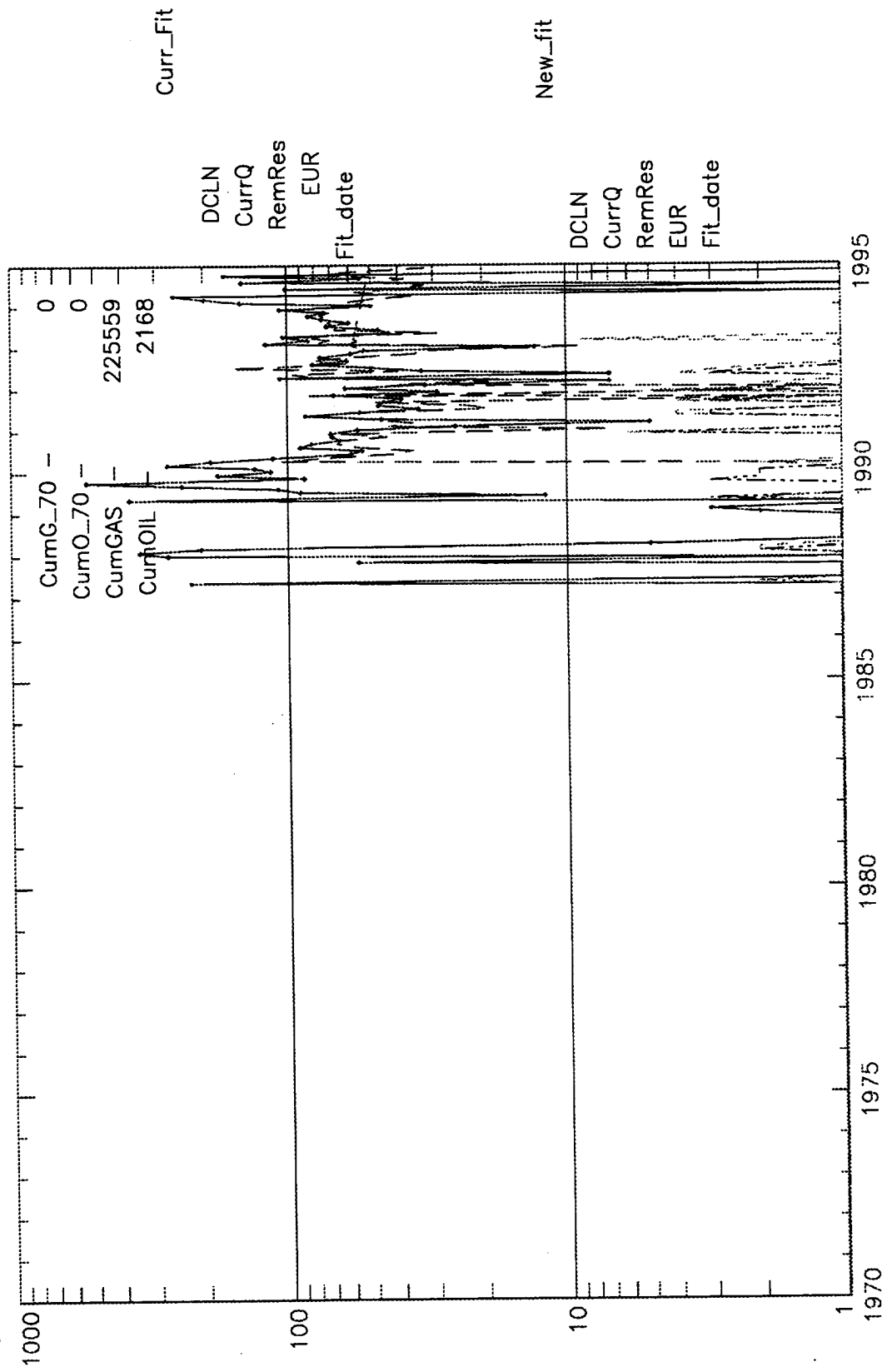
BACA GAS COM A 1

Operator- AMOCO PRODUCTION CO

300452611000MV

H262910-001 MV

APC\_WI - 0.87500000



Engr: zdws22

BACA GAS COM A 1 Operator- AMOCO PRODUCTION CO

300452611000CK H262910-001 CK APC\_WI - 1.00000000

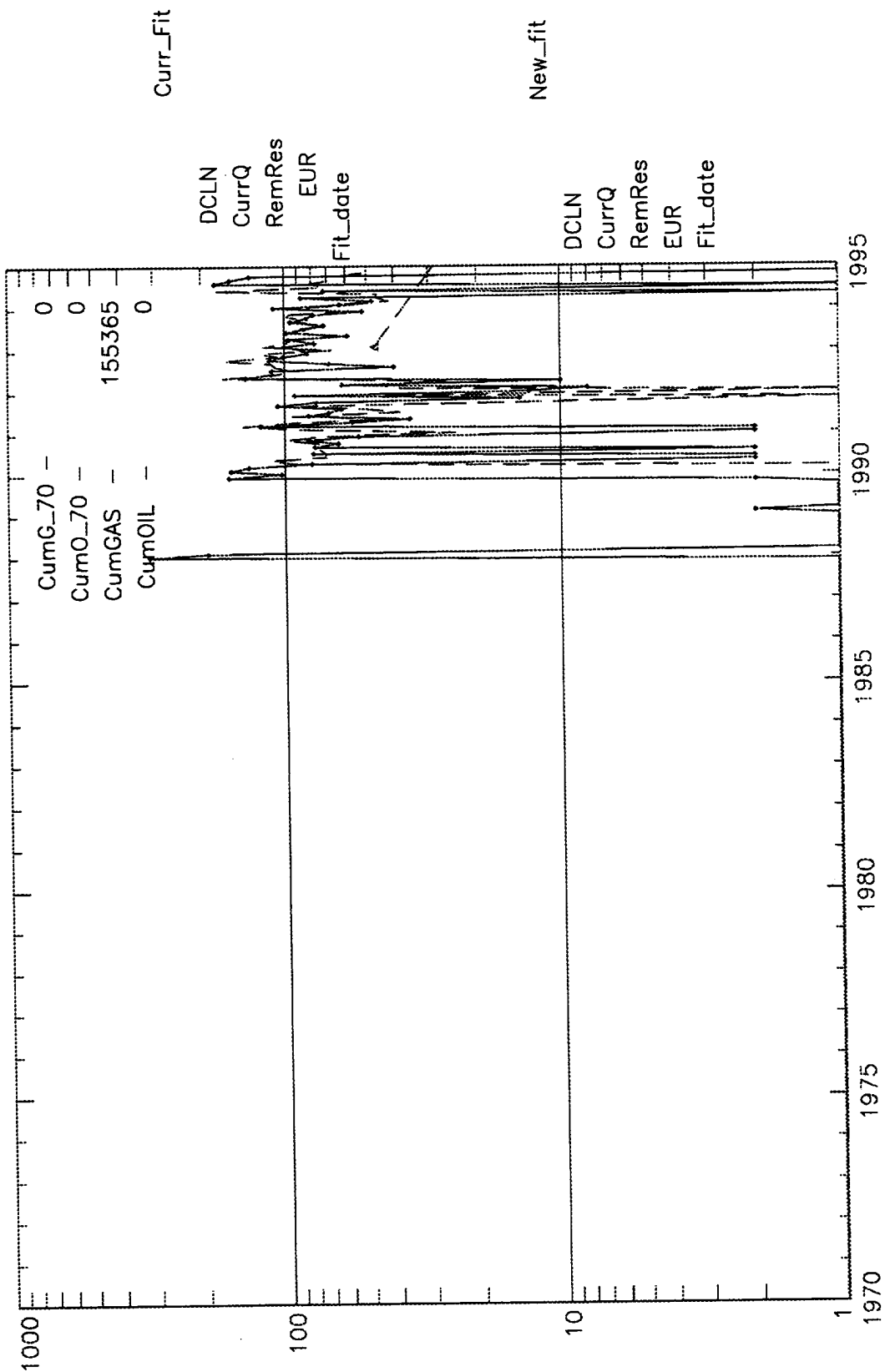


Chart1

Well: BACA GAS COM A 001-CK (84629802)

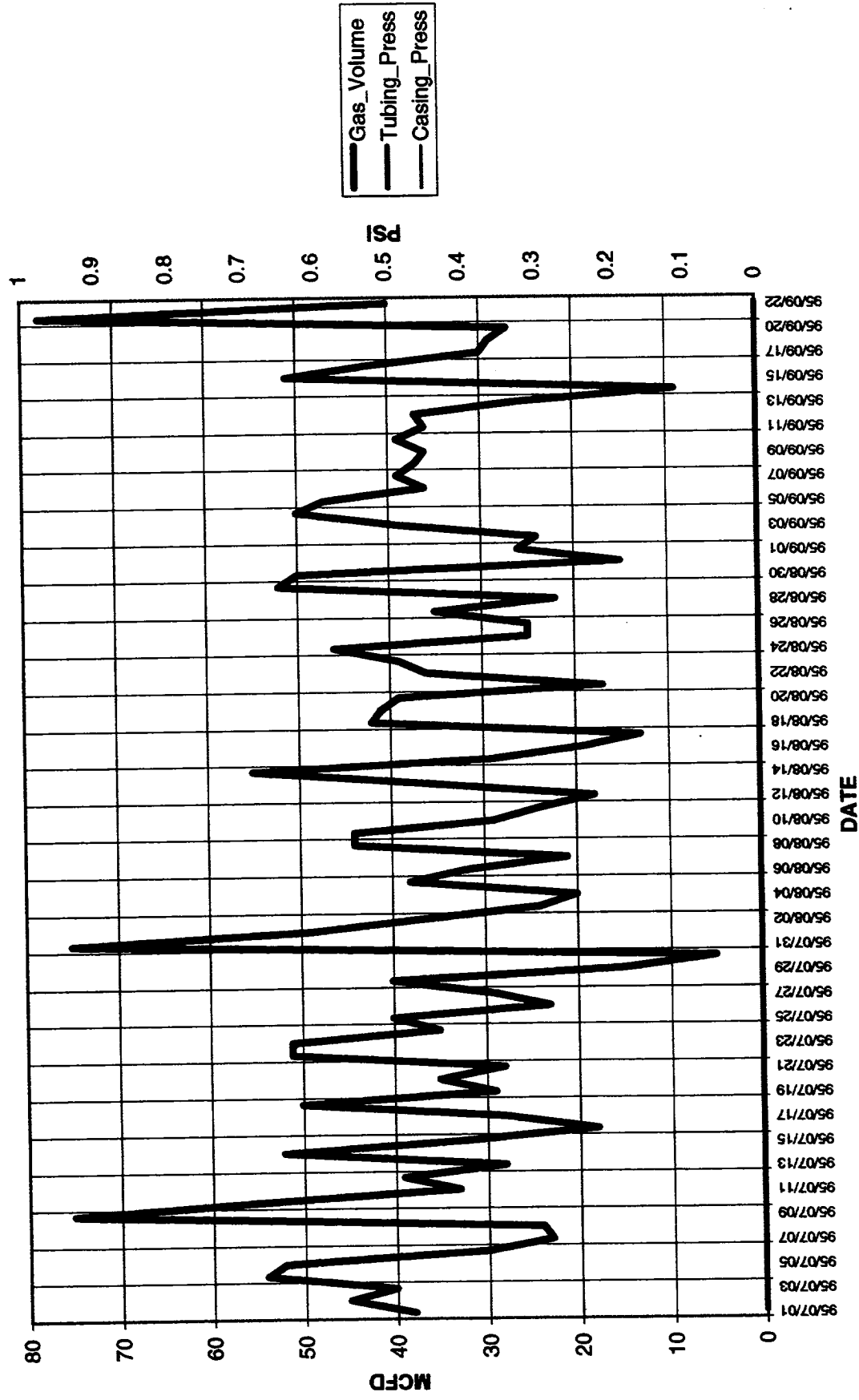
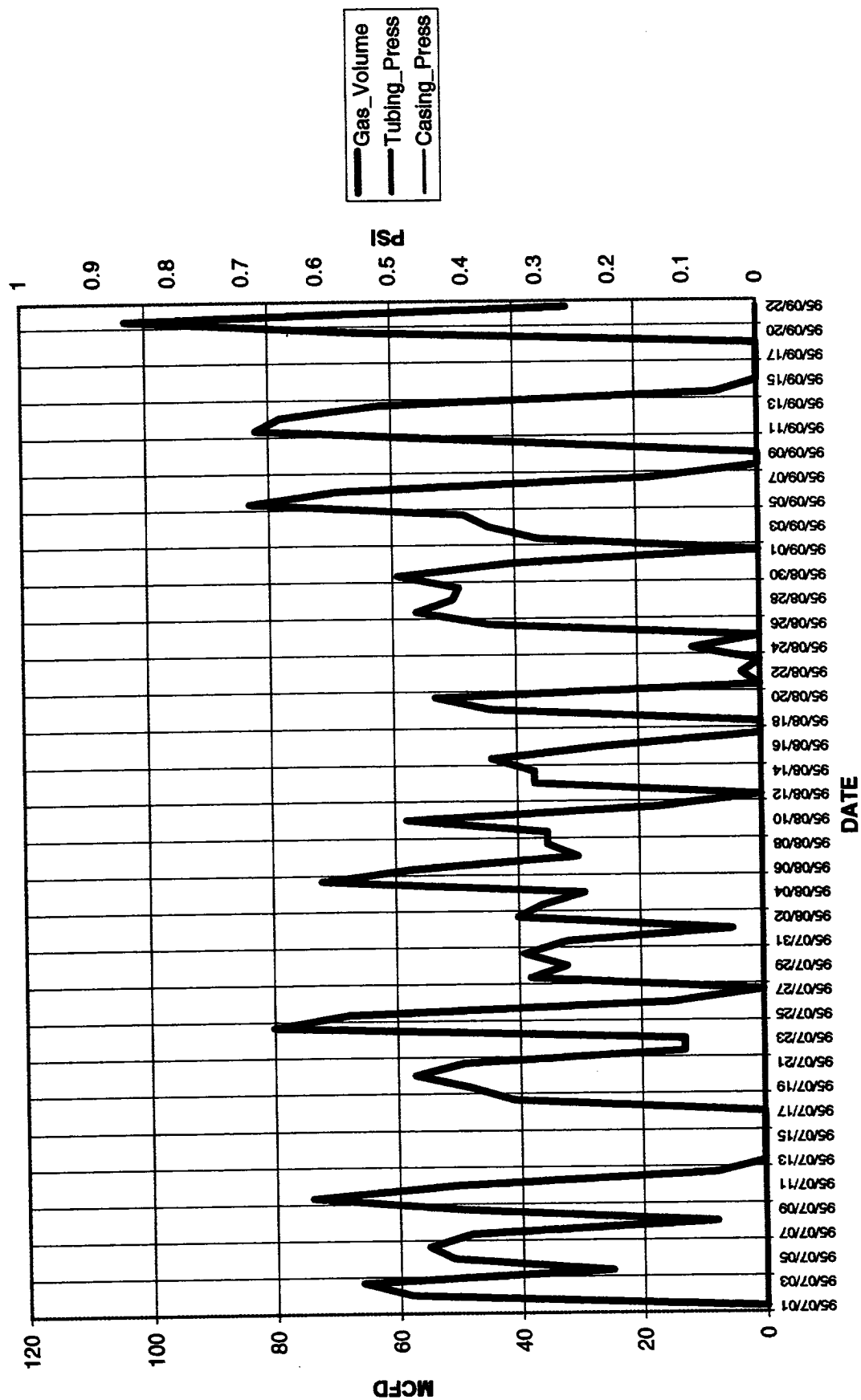


Chart1

Well: BACA GAS COM A 001-MV (84629801)



**OFFSET OPERATOR LIST**  
**BACA GAS COM "A" #1**

**MESAVERDE OFFSET OPERATORS**

S/2 SEC 22 T29N-R10W - MERIDIAN OIL, INC  
S/2 SEC 23 T29N-R10W - AMOCO PRODUCTION COMPANY  
S/2 SEC 24 T29N-R10W - AMOCO PRODUCTION COMPANY  
N/2 SEC 27 T29N-R10W - AMOCO PRODUCTION COMPANY  
S/2 SEC 27 T29N-R10W - AMOCO PRODUCTION COMPANY  
S/2 SEC 26 T29N-R10W - AMOCO PRODUCTION COMPANY  
W/2 SEC 25 T29N-R10W - AMOCO PRODUCTION COMPANY

**CHACRA OFFSET OPERATORS**

SW/4 SEC 23 T29N-R10W - MERIDIAN OIL, INC  
SE/4 SEC 23 T29N-R10W - AMOCO PRODUCTION COMPANY  
SW/4 SEC 24 T29N-R10W - NO CHACRA WELL  
NW/4 SEC 25 T29N-R10W - NO CHACRA WELL  
SW/4 SEC 25 T29N-R10W - NO CHACRA WELL  
N/2 SEC 27 T29N-R10W - AMOCO PRODUCTION COMPANY  
NW/4 SEC 26 T29N-R10W - AMOCO PRODUCTION COMPANY  
SW/4 SEC 26 T29N-R10W - AMOCO PRODUCTION COMPANY  
SE/4 SEC 26 T29N-R10W - AMOCO PRODUCTION COMPANY

**OPERATOR ADDRESSES**

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

|                                                                                                                                                 |                                         |                                                                                                   |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------|
| 16078800 00001<br>130034 00<br>GEORGIA F ANDERSON LIVING TRUST<br>GEORGIA F ANDERSON TRUSTEE<br>U/A DATED 03-09-1990<br>322 SOUTH MAIN<br>AZTEC | ZJAM63<br><br><br><br><br>NM 87410-2125 | 16078800 00001<br>318437 00<br>JOE BACA<br>8100 GRANDVIEW AVE<br>ARVADA                           | ZJAM63<br><br><br><br>CO 80002-2406 |
| 16078800 00001<br>617000 00<br>AMOCO PRODUCTION COMPANY<br>P O BOX 591<br>TULSA                                                                 | ZJAM63<br><br><br>OK 74102-0591         | 16078800 00001<br>113634 00<br>LEONARD C BACA<br>3751 S MELLIS NO 289<br>LAS VEGAS                | ZJAM63<br><br><br>NV 89121-3131     |
| 16078800 00001<br>684722 00<br>JERRY J ANDREW<br>408 LONGWOODS<br>HOUSTON                                                                       | ZJAM63<br><br>TX 77024-5617             | 16078800 00001<br>318057 00<br>LUCY BACA<br>5327 INDEPENDENCE ST<br>ARVADA                        | ZJAM63<br><br><br>CO 80002-2971     |
| 16078800 00001<br>339947 00<br>JULIE ANN ANTWEIL TRUST ESTATE<br>4408 CANYON COURT NE<br>ALBUQUERQUE                                            | ZJAM63<br><br>NM 87111-3010             | 16078900 00001<br>118681 00<br>MANUEL BACA JR<br>P O BOX 19<br>IGNACIO                            | ZJAM63<br><br><br>CO 81137-0019     |
| 16078800 00001<br>106659 00<br>SUSIE ARMENTA LIVING TRUST<br>SUSIE M ARMENTA TRUSTEE U/A 03/15/91<br>P O BOX 1593<br>TAHLEQUAH                  | ZJAM63<br><br>OK 74465-1593             | 16078800 00001<br>318065 00<br>MARTHA J BACA<br>127 DURAN ST (REAR)<br>SANTE FE                   | ZJAM63<br><br><br>NM 87501-1817     |
| 16078800 00001<br>318058 00<br>AMARANTE FELIPE BACA<br>C/O CHRISTOPHER P BACA<br>6901 TULSA CIRCLE<br>LAS VEGAS                                 | ZJAM63<br><br>NV 89108-5419             | 16078900 00001<br>118682 00<br>MARY BACA<br>BOX 19<br>IGNACIO                                     | ZJAM63<br><br><br>CO 81137-0019     |
| 16078800 00001<br>318056 00<br>FELIX I BACA<br>4645 EAST GRANADA RD<br>PHOENIX                                                                  | ZJAM63<br><br>AZ 85008-4142             | 16078900 00001<br>249672 00<br>CARMEN BACA BARKDULL<br>3848 SOUTH ECHO ROAD<br>P O BOX 16<br>ECHO | ZJAM63<br><br><br>UT 84024-0016     |
| 16078800 00001<br>113776 00<br>FRED M BACA<br>P O BOX 150534<br>E FLY                                                                           | ZJAM63<br><br>NV 89315-0534             | 16078800 00001<br>682516 00<br>R E BEAMON III<br>SUITE 470<br>THREE RIVERWAY<br>HOUSTON           | ZJAM63<br><br><br>TX 77056-1942     |

|                                                                                                                                                       |                             |                                                                                                                                   |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 16078800 00001<br>762567 00<br>HAZEL ASHLEY BRACKEN<br>101 WESTCOTT NO 403<br>HOUSTON                                                                 | ZJAM63<br><br>TX 77007-7030 | 16078800 00001<br>127453 00<br>ENCAP INVESTMENTS L C<br>4600 GREENVILLE AVENUE, SUITE 160<br>DALLAS                               | ZJAM63<br><br>TX 75206-5036 |
| 16078800 00001<br>124570 00<br>CHASE OIL CORPORATION<br>P O BOX 1767<br>ARTESIA                                                                       | ZJAM63<br><br>NM 88211-1767 | 16078800 00001<br>127257 00<br>JAMES L FASHING IRREVOCABLE TRUST<br>DAVID A ROGERS TRUSTEE<br>4855 N MESA ST SUITE 122<br>EL PASO | ZJAM63<br><br>TX 79912-5989 |
| 16078800 00001<br>318064 00<br>LYDIA B CORDOVA<br>2800 CERILLOS ROAD APT 90<br>SANTA FE                                                               | ZJAM63<br><br>NM 87501-6011 | 16078800 00001<br>472658 00<br>BILLIE JEAN FAVERINO<br>2170 THYME DRIVE<br>CORONA                                                 | ZJAM63<br><br>CA 91719-7786 |
| 16078800 00001<br>297950 00<br>BARBARA REESE DINGES<br>6510 SHADOW CREST<br>HOUSTON                                                                   | ZJAM63<br><br>TX 77074-6818 | 16078800 00001<br>472659 00<br>CHRISTOPHER FAVERINO<br>301 PINION<br>AZTEC                                                        | ZJAM63<br><br>NM 87410-1733 |
| 16078900 00001<br>114754 01<br>LOUIS DREYFUS NATURAL GAS CORP<br>REMITTANCE ADDRESS<br>P O BOX 850163<br>OKLAHOMA CITY                                | ZJAM63<br><br>OK 73185-0163 | 16078800 00001<br>409391 00<br>GLENN FAVERINO<br>3262 CR 334<br>IGNACIO                                                           | ZJAM63<br><br>CO 81137-9607 |
| 16078800 00001<br>221769 00<br>DUFF LEACH FAMILY TRUST<br>KENNETH C LEACH AND JUDITH DIANNE<br>DUFF LEACH CO-TRUSTEES<br>P O BOX 30396<br>ALBUQUERQUE | ZJAM63<br><br>NM 87190-0396 | 16078800 00001<br>409393 00<br>LOUIS T FAVERINO<br>P O BOX 8<br>BLOOMFIELD                                                        | ZJAM63<br><br>NM 87413-0008 |
| 16078800 00001<br>917838 00<br>T E DUFF TRUST<br>TED EDWARD DUFF, TRUSTEE<br>P O BOX 9908<br>MIDLAND                                                  | ZJAM63<br><br>TX 79708-2908 | 16078800 00001<br>409392 00<br>ROBERT FAVERINO<br>501 CR 4990<br>BLOOMFIELD                                                       | ZJAM63<br><br>NM 87413-9630 |
| 16078800 00001<br>926370 00<br>EL PASO PRODUCTION COMPANY<br>P O BOX 840656<br>DALLAS                                                                 | ZJAM63<br><br>TX 75284-0656 | 16078900 00001<br>166616 00<br>ANDREA LORI GILLET<br>1450 DALLAS<br>SUNSET                                                        | ZJAM63<br><br>UT 84075-9406 |

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|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 16078800 00001<br>433525 00<br>RICHARD GRIFFITH<br>2704 20TH STREET<br>LUBBOCK                                                              | ZJAM63<br><br>TX 79410-1511 | 16078800 00001<br>268550 29<br>MARATHON OIL COMPANY<br>P O BOX 890882<br>DALLAS                                                     | ZJAM63<br><br>TX 75389-0882 |
| 16078800 00001<br>149220 00<br>DAVID HENDERSON<br>9411 WINDING RIDGE DRIVE<br>DALLAS                                                        | ZJAM63<br><br>TX 75238-1449 | 16078800 00001<br>118683 00<br>ANNA MARTINEZ<br>P O BOX 19<br>IGNACIO                                                               | ZJAM63<br><br>CO 81137-0019 |
| 16078900 00001<br>684486 00<br>AMALIA M JAQUEZ<br>BOX 303<br>FREDERICK                                                                      | ZJAM63<br><br>CO 80530-0303 | 16078900 00001<br>318055 00<br>CORDIE MARTINEZ<br>PO BOX 103<br>EAST CARBON CITY                                                    | ZJAM63<br><br>UT 84520-0103 |
| 16078800 00001<br>637894 00<br>FULA MAY JOHNSTON TST<br>NATIONSBANK OF TEXAS NA<br>TRUST DEPARTMENT #03 661<br>P O DRAWER 840738<br>DALLAS  | ZJAM63<br><br>TX 75284-0738 | 16078800 00001<br>318055 00<br>CORDIE MARTINEZ<br>PO BOX 103<br>EAST CARBON CITY                                                    | ZJAM63<br><br>UT 84520-0103 |
| 16078800 00001<br>684723 00<br>JAMES J JOHNSTON<br>P O BOX 570007<br>HOUSTON                                                                | ZJAM63<br><br>TX 77257-0007 | 16078900 00001<br>287367 00<br>CARL MCDANIEL<br>3360 RED ONION CIR<br>COLORADO SPRINGS                                              | ZJAM63<br><br>CO 80918-1853 |
| 16078800 00001<br>509725 00<br>V A JOHNSTON FAMILY TRUST<br>KATHERINE PREWITT AND<br>MICHAEL A CHESSER CO-TRUSTEES<br>P O BOX 925<br>DALLAS | ZJAM63<br><br>TX 79357-0925 | 16078800 00001<br>710000 01<br>MINERALS MANAGEMENT SERVICE<br>ROYALTY MANAGEMENT PROGRAM<br>PO BOX 5810 TA<br>DENVER                | ZJAM63<br><br>CO 80217-5810 |
| 16078800 00001<br>680325 00<br>PATTIE BEAMON LUNDELL<br>1616 SOUTH VOSS #870<br>HOUSTON                                                     | ZJAM63<br><br>TX 77057-2626 | 16078800 00001<br>127258 00<br>MICHELLE D MINICA IRREVOCABLE TRUST<br>DAVID A ROGERS TRUSTEE<br>4855 N MESA ST SUITE 122<br>EL PASO | ZJAM63<br><br>TX 79912-5989 |
| 16078900 00001<br>318060 00<br>STELLA MANZANARES<br>3230 227 STREET SW<br>BRIAR                                                             | ZJAM63<br><br>WA 98036-8031 | 16078900 00001<br>503453 00<br>LEATRICE A MORELAND<br>BOX 872<br>BLOOMFIELD                                                         | ZJAM63<br><br>NM 87413-0872 |



|                                                                                                                                                        |                                             |                                                                                                                                       |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 16078900 00001<br>255903 00<br>CHESTER H AND IRMA MARIE PHELPS<br>TRUST<br>CHESTER H AND IRMA PHELPS CO-TRUSTEES<br>P O BOX 724<br>BLOOMFIELD          | ZJAM63<br><br><br><br><br><br>NM 87413-0724 | 16078800 00001<br>946788 00<br>SAN JUAN BASIN POOL LIMITED<br>BOX 1237<br>PANHANDLE                                                   | ZJAM63<br><br><br><br>TX 79068-1237 |
| 16078800 00001<br>255903 00<br>CHESTER H AND IRMA MARIE PHELPS<br>TRUST<br>CHESTER H AND IRMA PHELPS CO-TRUSTEES<br>P O BOX 724<br>BLOOMFIELD          | ZJAM63<br><br><br><br><br><br>NM 87413-0724 | 16078900 00001<br>317524 00<br>JIM L SHARP<br>1020 FOXWOOD LANE<br>WYLLIE                                                             | ZJAM63<br><br><br>TX 75098-5129     |
| 16078800 00001<br>297951 00<br>DAVID ELBERT REESE<br>2203 N BELMONT<br>RICHMOND                                                                        | ZJAM63<br><br><br>TX 77469-5501             | 16078900 00001<br>651243 00<br>SINGER BROS<br>ACCOUNT # 2 061 9661 0<br>C/O BANK OF OKLAHOMA<br>LOCKBOX DEPT<br>P O BOX 2300<br>TULSA | ZJAM63<br><br><br>OK 74192-2300     |
| 16078800 00001<br>297953 00<br>ELIZABETH GOODWIN REESE<br>7800 NAIRN<br>HOUSTON                                                                        | ZJAM63<br><br><br>TX 77074-5321             | 16078900 00001<br>904154 00<br>EVELYN SMITH<br>10448 STONE CANYON 204N<br>DALLAS                                                      | ZJAM63<br><br><br>TX 75230-4844     |
| 16078900 00001<br>318061 00<br>SADIE RIVAS<br>3713 162 SOUTH<br>SEATTLE                                                                                | ZJAM63<br><br><br>WA 98188                  | 16078900 00001<br>680713 00<br>H W SMITH ESTATE<br>GARY W HARVEY IND P EXECUTOR<br>300 SOUTHWEST 21 STREET<br>SEMINOLE                | ZJAM63<br><br><br>TX 79360-3820     |
| 16078900 00001<br>318066 00<br>MARGARET A RODRIGUEZ<br>1511 ALAMEDA<br>SANTA FE                                                                        | ZJAM63<br><br><br>NM 87501-1746             | 16078900 00001<br>287368 00<br>ROSALIE STICKLER<br>P O BOX 366<br>MONONA                                                              | ZJAM63<br><br><br>IA 52159-0366     |
| 16078800 00001<br>748996 00<br>ROGERS GIBBARD TRUST<br>ORVILLE C ROGERS, SUSAN EVELAND AND<br>ELAINE GIBBARD ALLMAN TRUSTEES<br>6804 LA COSTA<br>TYLER | ZJAM63<br><br><br>TX 75703-5750             | 16078900 00001<br>220307 00<br>UNITED PIPE AND SUPPLY CO INC<br>3622 RANCH CREEK DRIVE<br>AUSTIN                                      | ZJAM63<br><br><br>TX 78730-3701     |
| 16078800 00001<br>127259 00<br>DAVID A ROGERS<br>4855 N MEZA ST SUITE 122<br>EL PASO                                                                   | ZJAM63<br><br><br>TX 79912-5989             | 16078800 00001<br>615188 03<br>UNION OIL COMPANY OF CALIFORNIA<br>ATTN REVENUE ACCOUNTING<br>P O BOX 841055<br>DALLAS                 | ZJAM63<br><br><br>TX 75284-1055     |

16078800 00001  
220306 00  
J BURTON VETETO  
607 ABO  
HOBBS

ZJAM63

NM 88240-3405

16078800 00001  
297952 00  
REBECCA ANN REESE WARD  
2210 CUSTER PARKWAY  
RICHARDSON

ZJAM63

TX 75080-2502

16078800 00001  
425246 00  
FRANCES HOLMAN WEAVER  
4855 NORTH MESA SUITE 122  
EL PASO

ZJAM63

TX 79912-5939

16078800 00001  
926371 00  
L DORIS WILLIAMS ESTATE  
WILLIAM P TRAYLOR AND JOHN G HEARD  
CO-INDEPENDENT EXECUTORS  
PO BOX 8306  
HOUSTON

ZJAM63

TX 77288-8306

16078800 00001  
339952 00  
P M WILLIAMS  
408 F ALTO  
HOBBS

ZJAM63

NM 88240-4002

16078800 00001  
753523 00  
CAROL A ZAHARA  
14926-81 B AVE  
SURREY, BC, CAN, V3S 7V6

ZJAM63