



**Southern**

**Rockies**

**Business**

**Unit**

December 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**  
DEC 20 1996

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

**Application for Exception to Rule 303-A- Downhole Commingling**  
**Bolack C LS #14 Well**  
**Unit B Section 30-T27N-R8W**  
**South Blanco Pictured Cliffs 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: Mark Rothenberg  
Pat Archuleta  
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

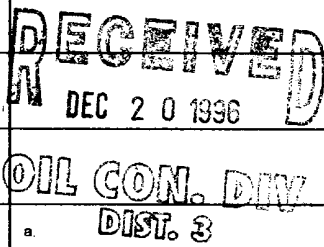
APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
☒ YES ☐ NO

|                          |          |                               |          |
|--------------------------|----------|-------------------------------|----------|
| Amoco Production Company |          | P.O. Box 800 Denver, CO 80201 |          |
| Operator                 |          | Address                       |          |
| BOLACK C LS              | 14       | B-30-27N-8W                   | San Juan |
| Lease                    | Well No. | Unit Ltr. - Sec Twp - Rge     | County   |

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000327 API NO. 3004506281 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                                                                                                                                                                               | SOUTH BLANCO PICTURED CLIFFS<br>72439         |                                                                                             | BLANCO MESAVERDE<br>72319                                  |
| 2. Top and Bottom of Pay Section (Perforations)                                                                                                                                                          | 2094' - 2150'                                 |                                                                                             | 4362' - 4510'                                              |
| 3. Type of production (Oil or Gas)                                                                                                                                                                       | GAS                                           |                                                                                             | GAS                                                        |
| 4. Method of Production (Flowing or Artificial Lift)                                                                                                                                                     | FLOWING                                       |                                                                                             | FLOWING                                                    |
| 5. Bottomhole Pressure<br>Oil Zones - Artificial Lift: Estimated Current<br>Gas & Oil - Flowing: Measured Current<br>All Gas Zones: Estimated or Measured Original                                       | a. (Current) 260 PSI<br>b. (Original) 734 PSI | a. <br>b. | a. 475 PSI<br>b. 1027 PSI                                  |
| 6. Oil Gravity (* API) or Gas BTU Content                                                                                                                                                                | 1173 BTU                                      |                                                                                             | 1148 BTU / 49 DEG API                                      |
| 7. Producing or Shut-In?                                                                                                                                                                                 | PRODUCING                                     |                                                                                             | PRODUCING                                                  |
| Production Marginal? (yes or no)                                                                                                                                                                         | YES                                           |                                                                                             | YES                                                        |
| • If Shut-In, give data and oil/gas/water rates of last production<br><br>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data | Date:<br>Rates:                               | Date:<br>Rates:                                                                             | Date:<br>Rates:                                            |
| • If Producing, give date and oil/gas/water rates of recent test<br>(within 90 days)                                                                                                                     | Date:<br>Rates:<br>10/96<br>57 MCFD<br>0 BCPD | Date:<br>Rates:                                                                             | Date:<br>Rates:<br>10/96<br>0 MCFD(SEE ATTACHED)<br>0 BCPD |

## Well Location and Acreage Dedication Plat

Section A.

Date **MARCH 4, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **BOLACK** SF **079232**  
 Well No. **14-0 (PM)** Unit Letter **B** Section **30** Township **27-N** Range **8-W** NMPM  
 Located **800** Feet From **NORTH** Line, **1640** Feet From **EAST** Line  
 County **SAN JUAN** C. L. Elevation **6090** Dedicated Acreage **320 & 160** Acres  
 Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pool **BLANCO MV EXT. - SO. BLANCO P.O.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

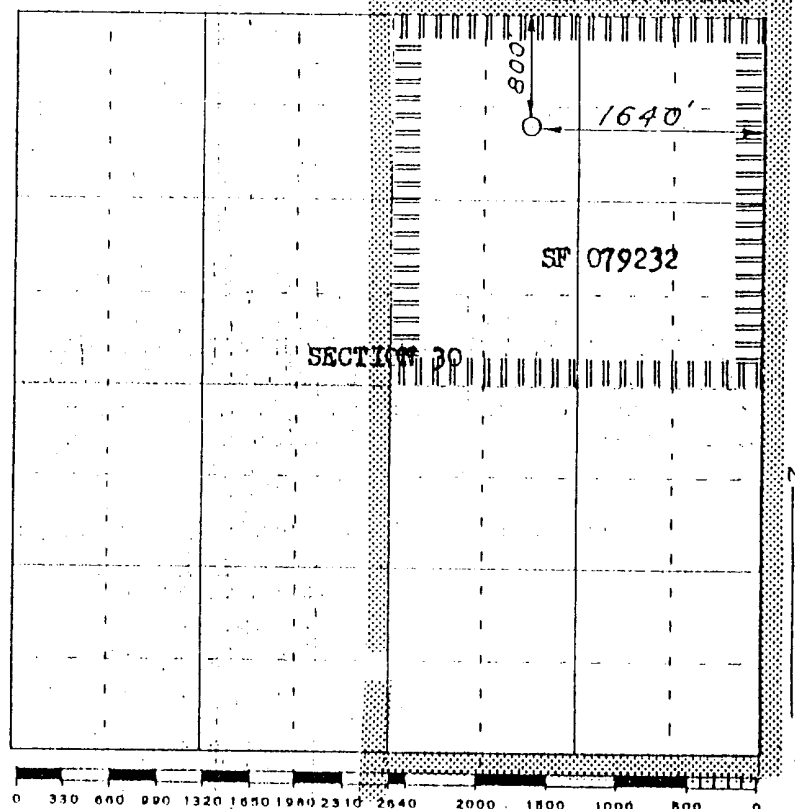
**El Paso Natural Gas Company**  
 Original Signed **D. C. Johnson**  
 (Representative)

Box 997

(Address)

Farmington, New Mexico

Note: All distances must be from outer boundary of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed **FEBRUARY 26, 1958**

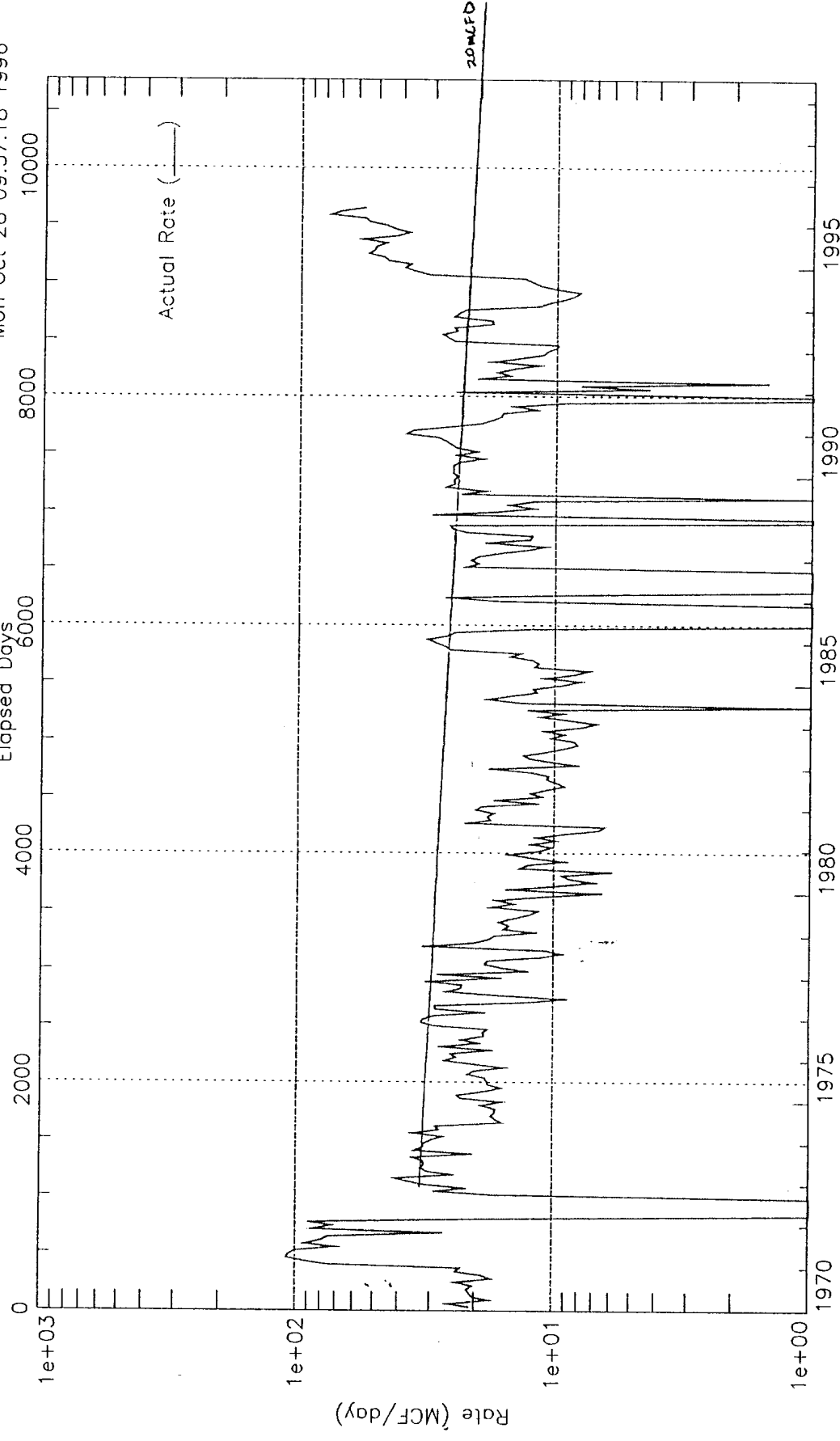
*David O. Kilmer*  
 Registered Professional Engineer and/or Land Surveyor

Farmington, New Mexico

User: zmdr16  
Owner: 2DMHF

# Single Well Gas3D

Description 1  
Mon Oct 28 09:37:18 1996



Date (Years)

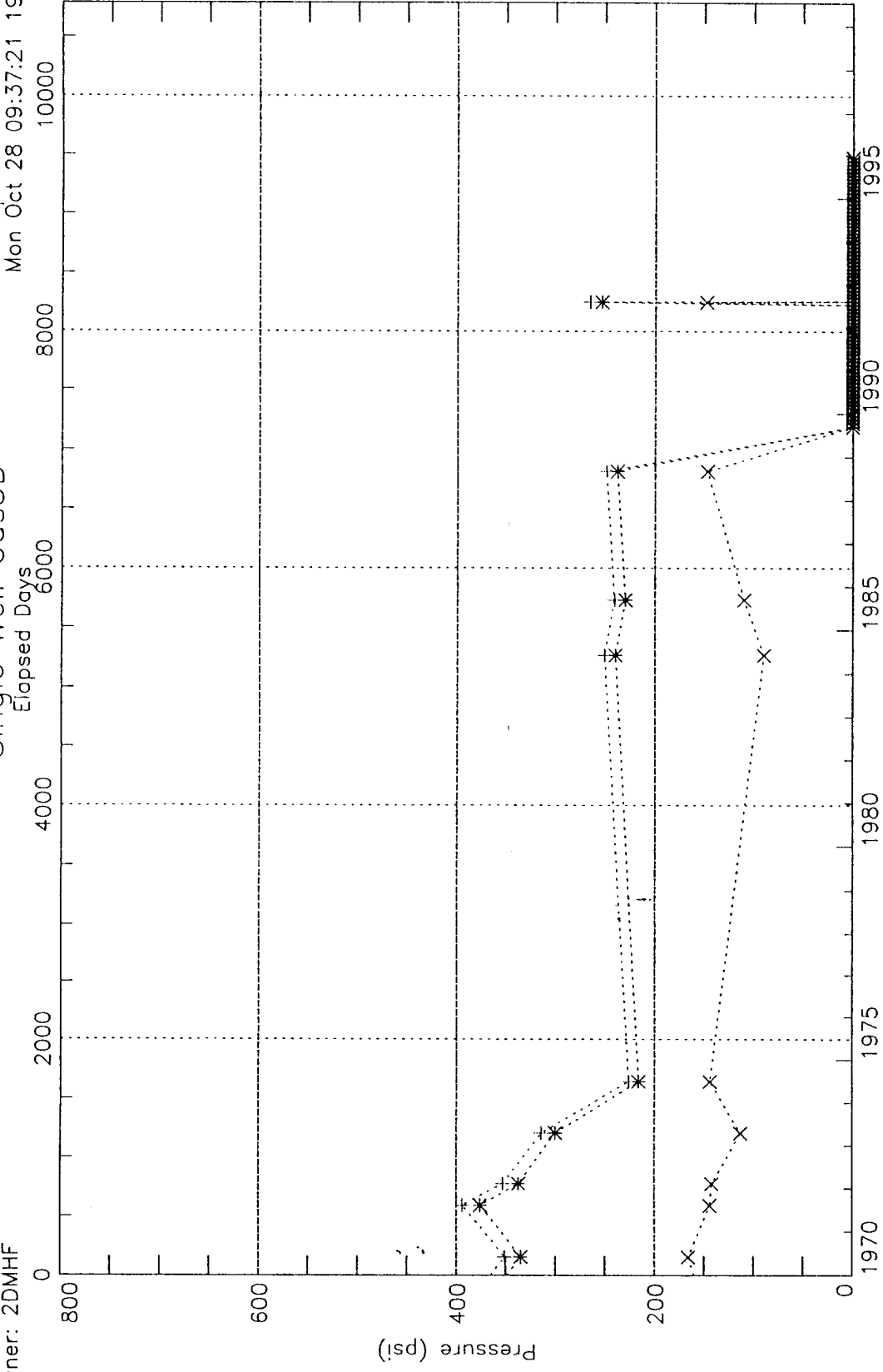
Cum Gas= 204.62 MMCF

Well ID: 300450628100 604PCCF  
Well Name: BOLACK C LS 1-9,11-14 /PC/ 014B30  
Operator: AMOCO PRODUCTION COMPANY

User: zmdr16  
Owner: 2DMHF

# Single Well Gas3D

Description 1  
Mon Oct 28 09:37:21 1996



Date (Years)

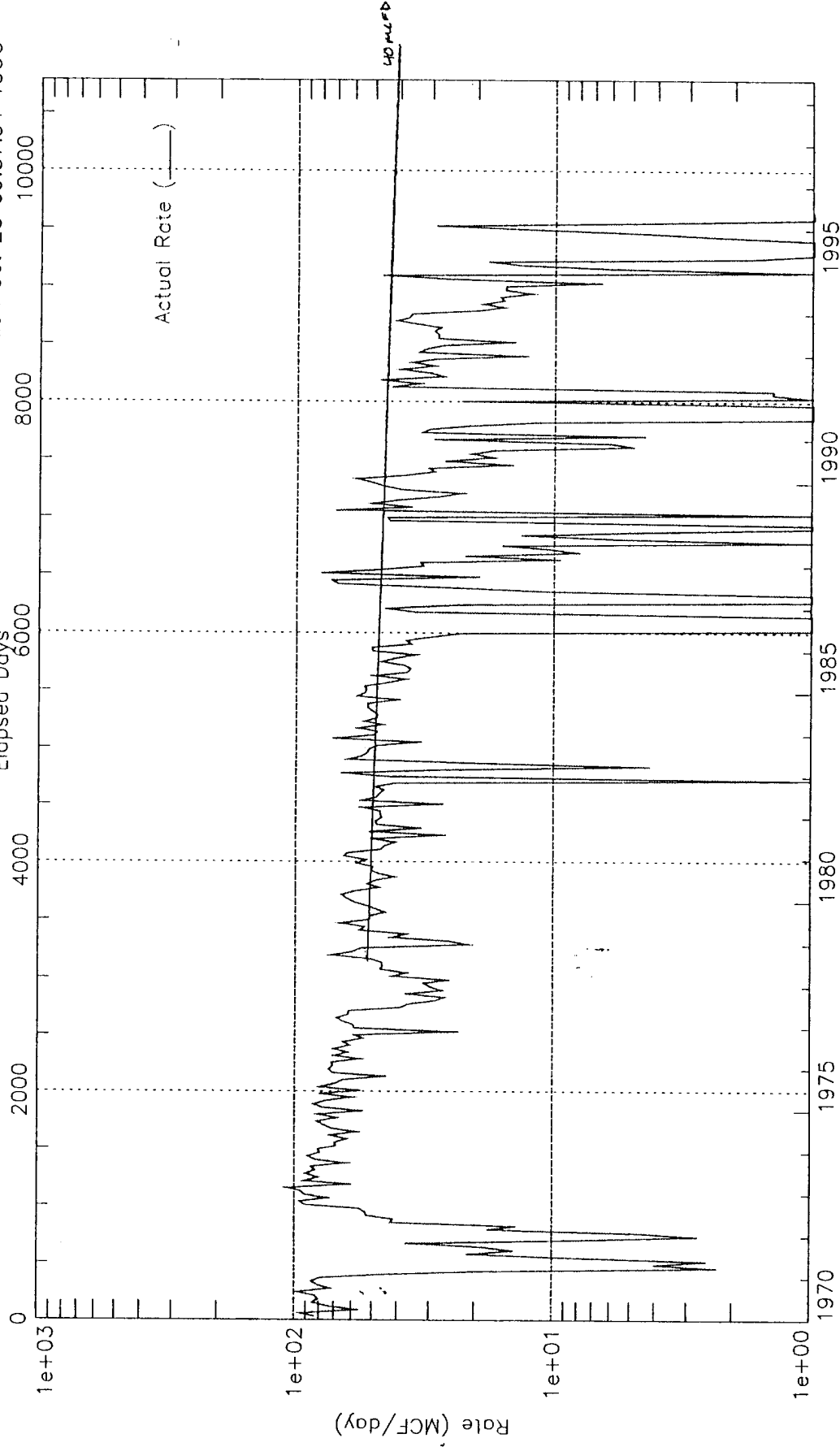
WH\_SIP (\*)  
BHP (+)  
WH\_FTP (x)

Well ID: 300450628100 604PCCF  
Well Name: BOLACK C LS 1-9,11-14 /PC/ 014B30  
Operator: AMOCO PRODUCTION COMPANY

User: zmdr16  
Owner: 2DMHF

# Single Well Gas3D

Description 1  
Mon Oct 28 09:37:34 1996



Date (Years)

Cum Gas= 393.20 MMCF

Well ID: 300450628100 604MVRD

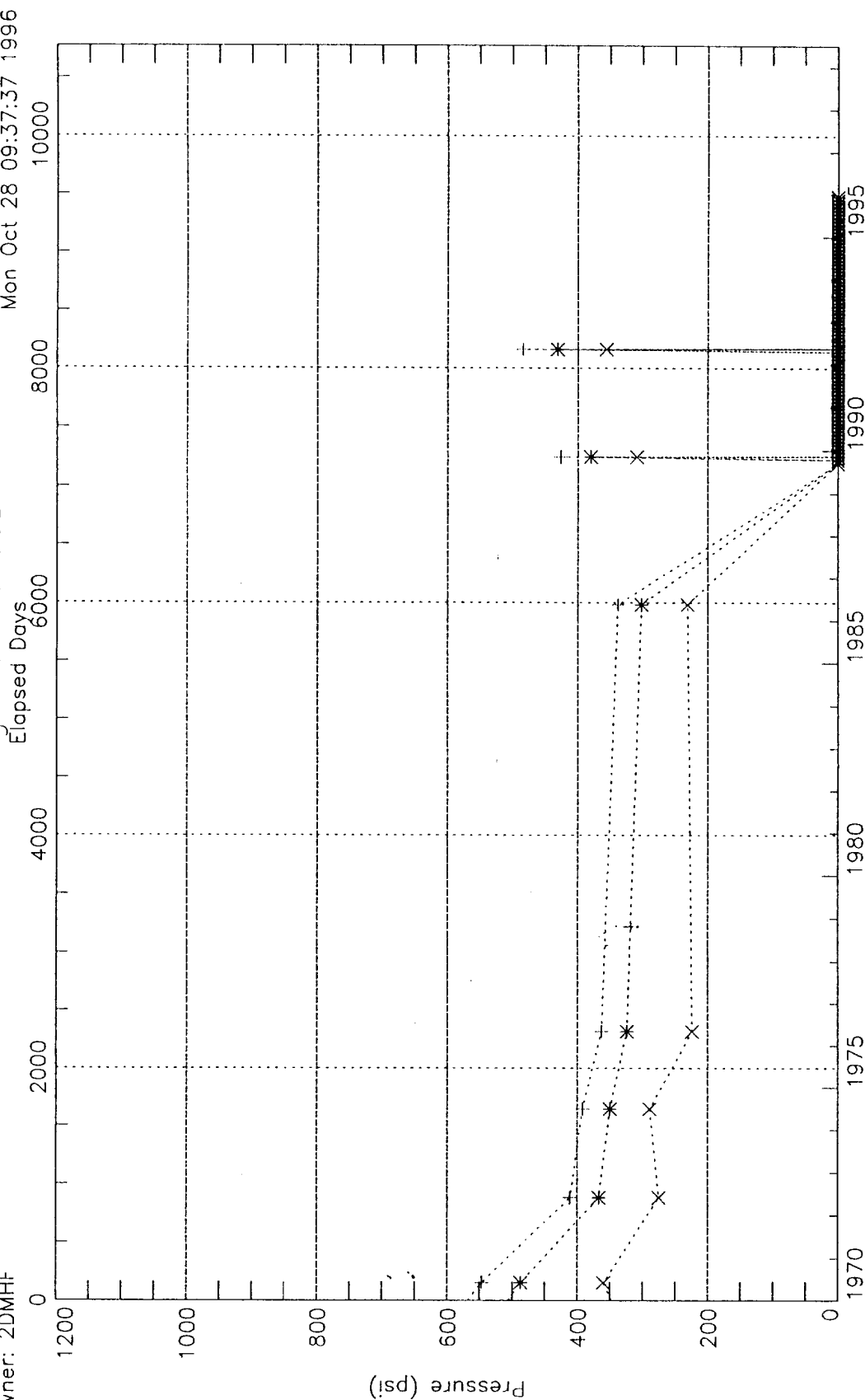
Well Name: BOLACK C 9-16,12A,14A,15A /MV/ 9 014B30

Operator: AMOCO PRODUCTION COMPANY

User: zmdr16  
Owner: 2DMHF

# Single Well Gas3D

Description 1  
Mon Oct 28 09:37:37 1996



WH\_SIP (\*)  
BHP (+)  
WH\_FTP (x)

Date (Years)

Well ID: 300450628100 604MVRD  
Well Name: BOLACK C 9-16,12A,14A,15A /MV/ 9 014B30  
Operator: AMOCO PRODUCTION COMPANY

| UWI          | FM   | Press Rec date | test code | SICP | SI days |
|--------------|------|----------------|-----------|------|---------|
| 300450628100 | MVRD | 580508         | ISIP      | 1027 | 0       |
| 300450628100 | MVRD | 700604         | DEL       | 487  | 7       |
| 300450628100 | MVRD | 720601         | DEL       | 367  | 7       |
| 300450628100 | MVRD | 720629         | BH        |      |         |
| 300450628100 | MVRD | 740701         | DEL       | 350  | 7       |
| 300450628100 | MVRD | 760503         | DEL       | 324  | 7       |
| 300450628100 | MVRD | 860520         | DEL       | 302  | 7       |
| 300450628100 | MVRD | 871116         | PLT       | 221  |         |
| 300450628100 | MVRD | 891107         | DEL       | 380  | 7       |
| 300450628100 | MVRD | 900514         | PLT       | 212  |         |
| 300450628100 | MVRD | 920505         | DEL       | 431  | 7       |
| 300450628100 | MVRD | 920629         | BH        |      |         |
| 300450628100 | MVRD | 950519         | PLT       | 190  |         |
| 300450628100 | PCCF | 580508         | ISIP      | 734  | 0       |
| 300450628100 | PCCF | 700604         | DEL       | 335  | 7       |
| 300450628100 | PCCF | 710810         | DEL       | 376  | 7       |
| 300450628100 | PCCF | 720209         | DEL       | 337  | 7       |
| 300450628100 | PCCF | 730417         | DEL       | 300  | 7       |
| 300450628100 | PCCF | 740701         | DEL       | 216  | 7       |
| 300450628100 | PCCF | 840604         | DEL       | 240  | 7       |
| 300450628100 | PCCF | 850913         | DEL       | 230  | 7       |
| 300450628100 | PCCF | 880901         | DEL       | 238  | 7       |
| 300450628100 | PCCF | 920806         | DEL       | 254  | 7       |

**OFFSET OPERATORS**

**Bolack C LS #14**

Burlington Resources Oil and Gas Co.  
P.O. Box 4289  
Farmington, NM 87499

Snyder Oil Corp.  
1625 Broadway  
Denver, Co. 80202

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**ALLOCATION EXPLANATION**

Recent production tests are misleading due to a packer leak. Following the workover it is expected that the well will return to it's natural decline as indicated on the historic production plots.

Rates estimated from historic production are as follows:

|              | <u>MV</u>     | <u>PC</u>     |
|--------------|---------------|---------------|
| <b>GAS</b>   | 40 MCFD (67%) | 20 MCFD (33%) |
| <b>OIL</b>   | 1 BCPD (100%) | 0 BCPD (0%)   |
| <b>WATER</b> | 1 BWPD (100%) | 0 BWPD (0%)   |

These rates are also consistent with offsetting production.

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