

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 88210-2435

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

X Administrative \_\_\_ Hearing

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
X YES \_\_\_ NO

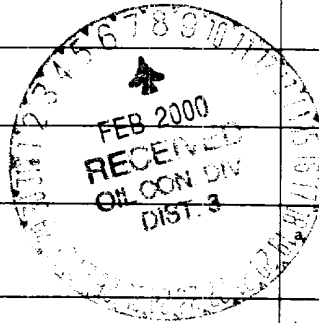
Amoco Production Company

PO Box 3092 Houston, TX 77253-3092

Operator	Day	4E	Address M 8-29N-08W	County San Juan
Well No			Unit Ltr. - Sec Two - Rge	

OGRID NO 000778 Property Code 000417 API NO 30-045-25323 Spacing Unit Lease Types (check 1 or more)  
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)	4614' - 5318' EST		7300' - 7535'
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: Gas & Oil - Flowing: All Gas Zones: Estimated or Measured Original	a. (Current) 562 psig (est)	a.	925 psig
	b. (Original) 2353 psig (est)	b.	3263 psig
6. Oil Gravity (° API) or Gas BTU Content	BTU 1260		BTU 1131
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 <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.</small>	Date: Rates:	Date: Rates:	Date: Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	1/8/2000 70 MCFD 0 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas %	Oil: % Gas %	Oil: % Gas %



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? X 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. \_\_\_ Yes X 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 2/3/2000  
 TYPE OR PRINT NAME Mary Corley TELEPHONE NO. ( 281 ) 366-4491

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 30-045-25323		Pool Code 71599 & 72319	Pool Name Basin Dakota & Blanco Mesaverde
Property Code 000417	Property Name Day		Well Number 4E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY		Elevation 6350' GR

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT N	8	29N	8W		845'	SOUTH	2175'	WEST	San Juan

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: 311.91	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

	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: <i>Mary Corley</i></p> <p>Position: Sr. Business Analyst</p> <p>Date: 02/03/2000</p>
	<p><b>SURVEY CERTIFICATION</b></p> <p><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></p> <p>Date of Survey: 07/15/1981</p> <p>Signature &amp; Seal of Professional Surveyor: Fred B. Kerr, Jr.</p> <p>Certificate No.: 3950</p>

## Day 4E Future Production Decline Estimate

Jan-2000	70
Feb-2000	70
Mar-2000	70
Apr-2000	69
May-2000	69
Jun-2000	69
Jul-2000	69
Aug-2000	69
Sep-2000	68
Oct-2000	68
Nov-2000	68
Dec-2000	68
Jan-2001	68
Feb-2001	67
Mar-2001	67
Apr-2001	67
May-2001	67
Jun-2001	67
Jul-2001	66
Aug-2001	66
Sep-2001	66
Oct-2001	66
Nov-2001	66
Dec-2001	65
Jan-2002	65
Feb-2002	65
Mar-2002	65
Apr-2002	65
May-2002	64
Jun-2002	64
Jul-2002	64
Aug-2002	64
Sep-2002	64
Oct-2002	63
Nov-2002	63
Dec-2002	63

Jan-2003	63
Feb-2003	63
Mar-2003	62
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Sep-2011	46
Oct-2011	46
Nov-2011	46
Dec-2011	46

## Day 4E Future Production Decline Estimate

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Nov-2014	41
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## Day 4E Future Production Decline Estimate

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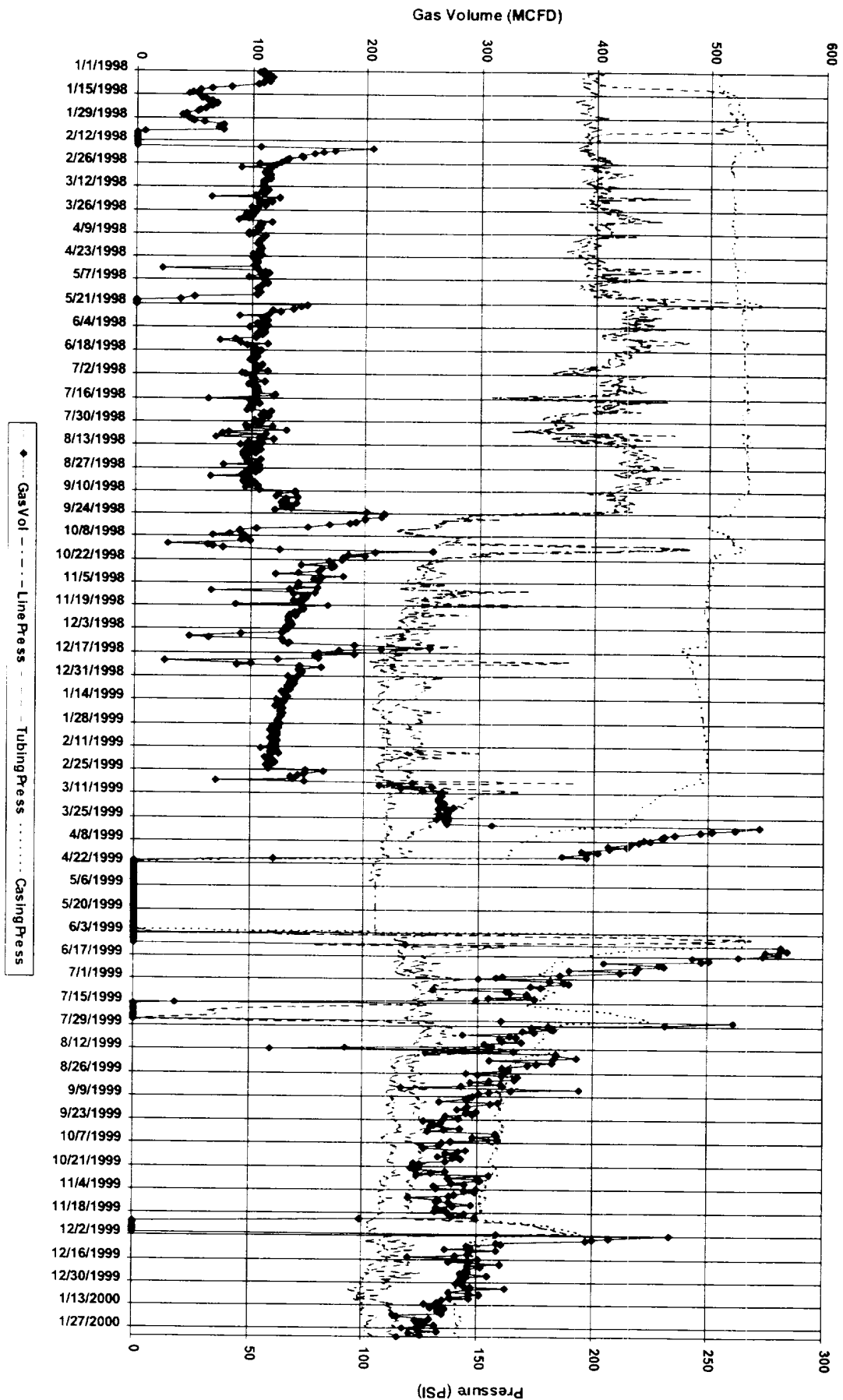
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Amoco - OI/DB/Synergy Data

Daily Well Production

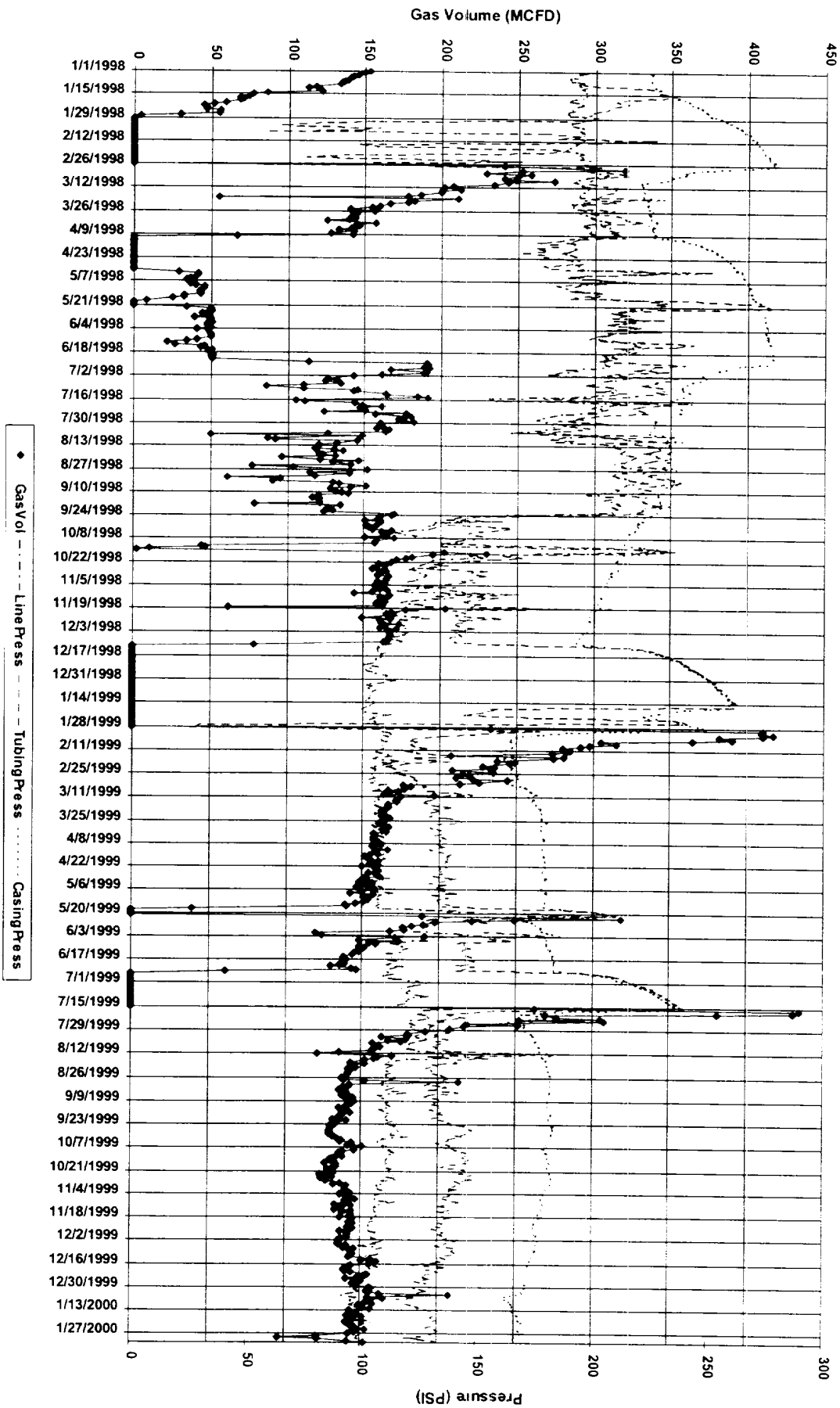


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Amoco - OIDB/Synergy Data

Daily Well Production





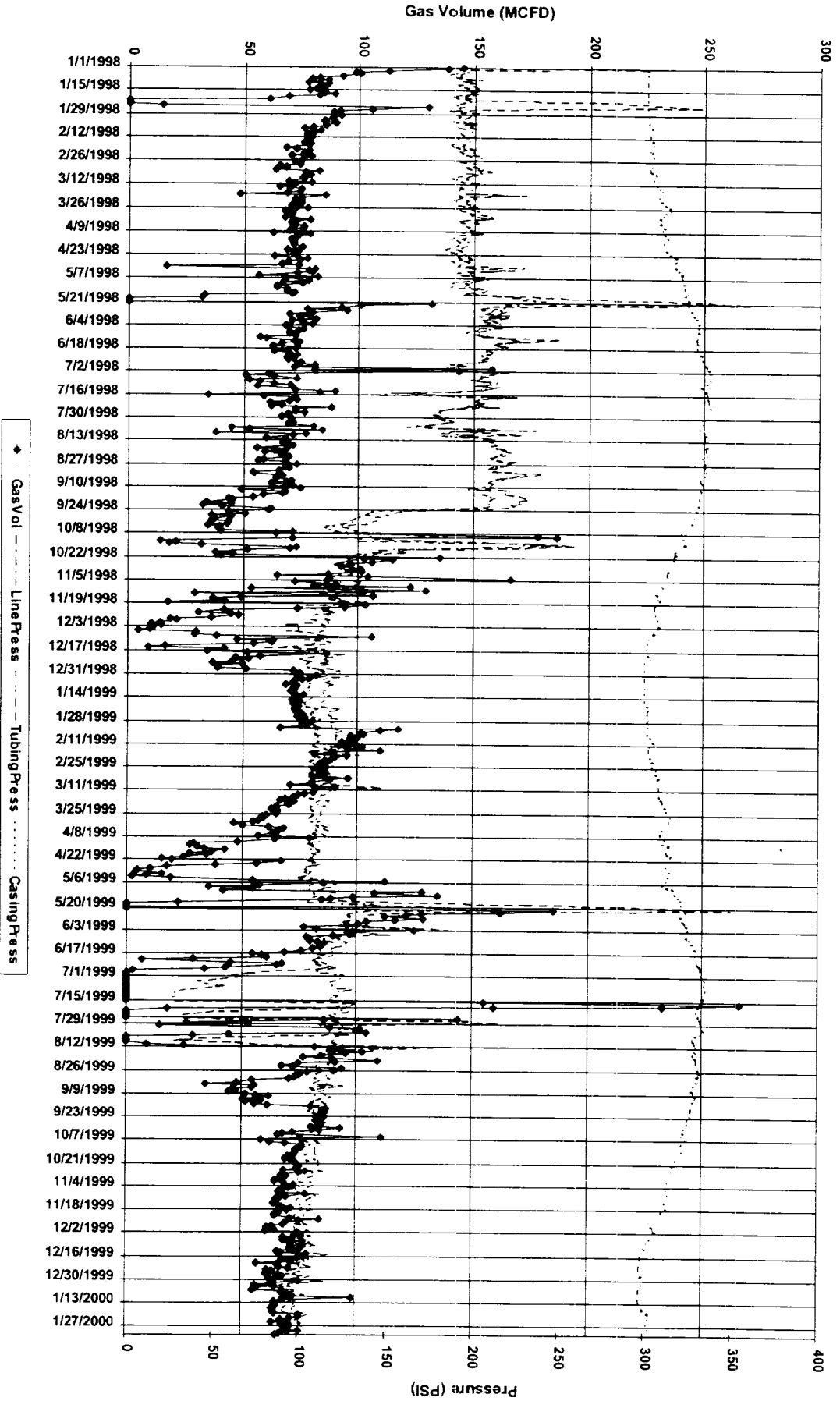
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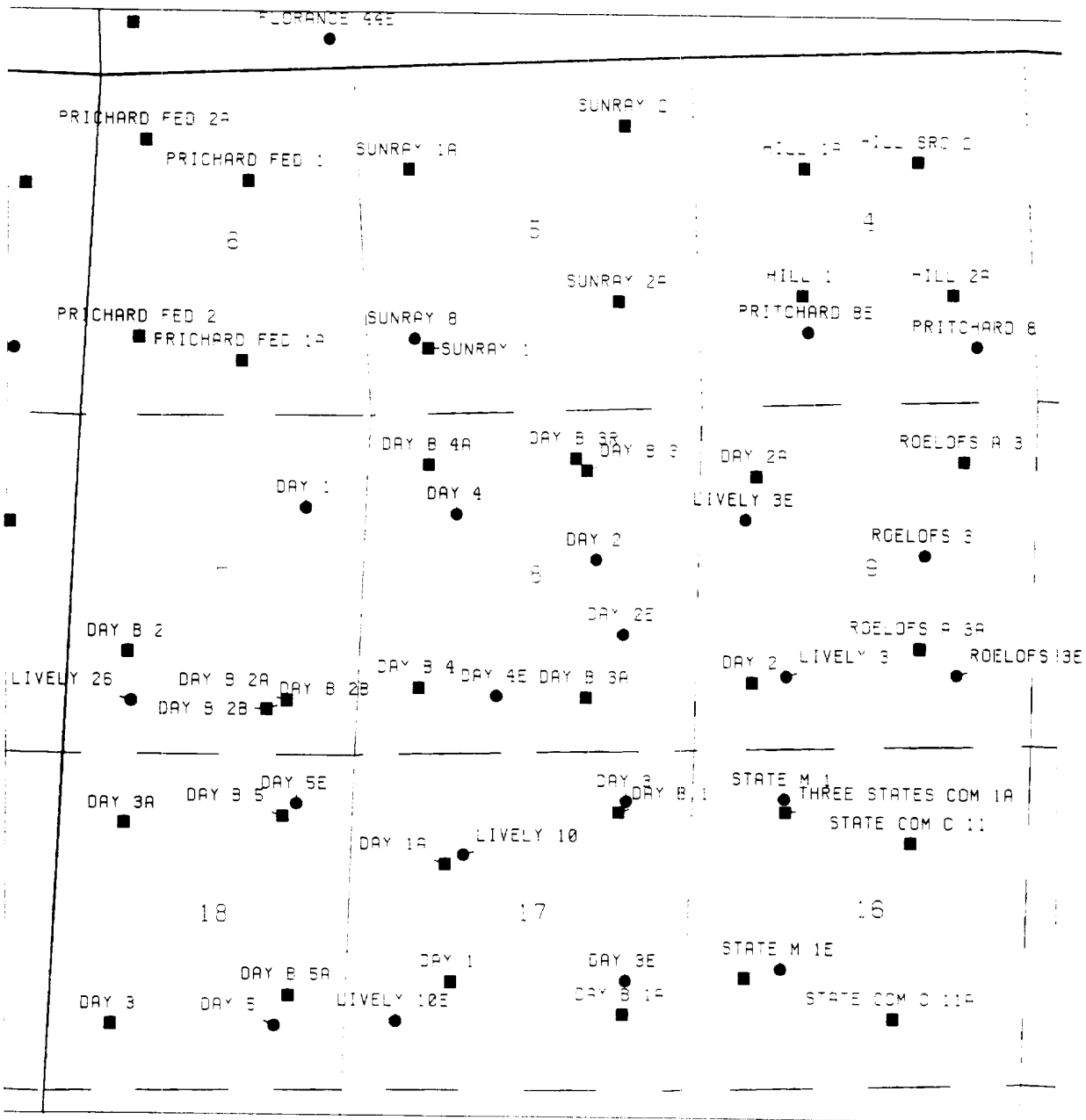
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API: 300452532300

Amoco - OIDB/Synergy Data

Daily Well Production





■ Mesaverde  
● Dakota

AMCOO PRODUCTION COMPANY HOUSTON, TX	
WESTERN GAS BUSINESS UNIT	
MESAVERDE & DAKOTA WELLS T29N R38W SEC. 8 [REF. DAY 4E]	
SCALE 1"=2500'	DATE FEB-2000
DRAWN BY J. RITZ	