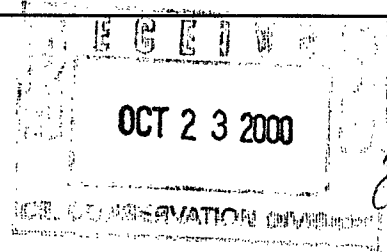


29856565 DHC 11/13/00

# THUNDERBOLT PETROLEUM

P.O. BOX 10523 MIDLAND, TX 79702 PHONE (915) 682-1251

October 20, 2000



To Whom it May Concern:

Please find enclosed a Form C-107A to co-mingle the Yates formation with the Grayburg formation in our Calmon #2 well located in 16L-18S-29E, Eddy County. I am sending two copies of this data to the Artesia field office and two copies to the Santa Fe office.

There is not a historical production curve for the Yates zone because we have just completed it. I have made an estimate of the future rates based on two offset Yates wells. Those curves are also included in this package.

As soon as I receive permission to co-mingle these zones I expect to pull the plug separating them. Thank you for your assistance in this matter.

Sincerely,

Robert Lee

District I  
1635 N. French Drive, Hobbs, NM 88240

District II  
811 South First Street, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

Thunderbolt Petroleum P.O. Box 10523 Midland, TX, 79702

Operator: Calmon Well No. #2 Address: L-16-18S-29E Eddy County  
Lease: Unit Letter-Section-Township-Range

OGRID No. 160017 Property Code 023593 API No. 30-015-25693 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
	Und		
Pool Name	Travis - Pates		Loco Hills
Pool Code	86420		39520
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1059-1115		2228-2558
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	665 BTU		38°
Producing, Shut-In or New Zone	New Zone		Producing
Date 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: 10/06 Rates: 030 75MCP 5BW	Date: Rates:	Date: 9/00 Rates: 130 PD OBW 3MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 0 % Gas 96 %	Oil % Gas %	Oil 100 % Gas 4 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application?

Yes ☐ No ☒

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

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.

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 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

API Number 30-15-25693		Pool Code 86420		Pool Name Travilla	
Property Code 023593		Property Name Calmon			Well Number 2
OGRID No. 160017		Operator Name Thunderbolt Petroleum			Elevation

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	16	18S	29E		1650	South	330	West	Eddy.

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

Dudley	Acrea	Joint or Infill	Consolidation Code	Order No.
40		N		

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          330 → 0 ↑ 1650					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Robert Lee Signature Robert Lee Printed Name President Title 10/10/00 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.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

# Dwights

Lease: CAL-MON (2)

10/20/00

Retrieval Code: 150,015,18S29E16LM1QS



County: EDDY, NM

F.P. Date: 02/87

Field: LOCO HILLS (QUEEN GRAYBURG SA) QSOil Cum: 27.96 mbbl

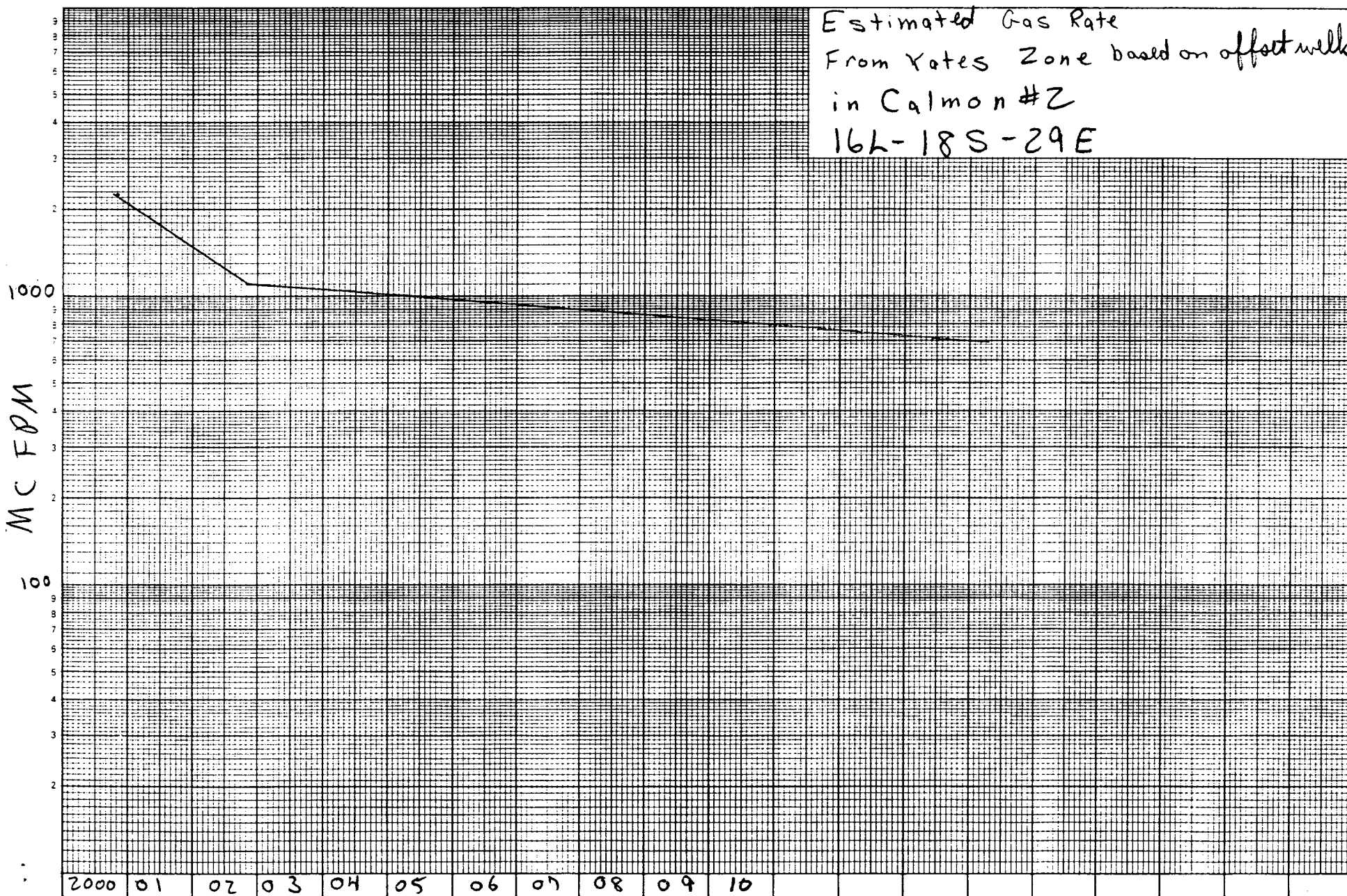
Reservoir: QUEEN GRAYBURG SA

Gas Cum: 48.35 mmcf

Operator: THUNDERBOLT PETR CO LLC

Location: 16L 18S 29E

Estimated Gas Rate  
From Yates Zone based on offset wells  
in Calmon #2  
16L-18S-29E



$$P_{em} = \frac{(1300 - 200)12}{\ln 4}$$

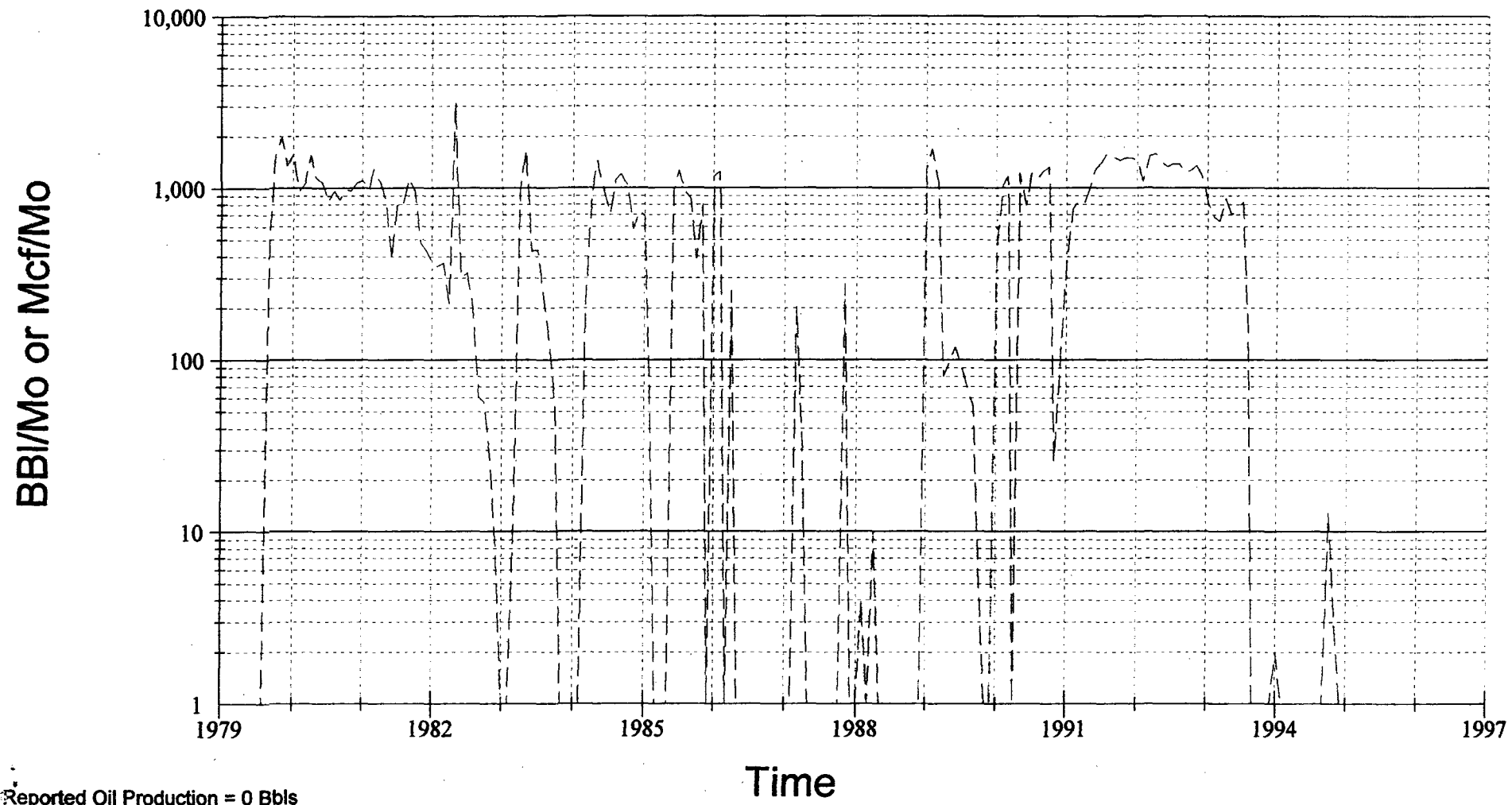
$$= 125$$

$$Cum = 103$$

$$(228)$$

—	Oil
- - -	Gas
· · ·	Water
- - -	Wells

Field: TRAVIS  
 Lease: DEPCO FEDERAL | Well #1  
 Operator: YATES HARVEY E COMPANY  
 Production Rate vs Time  
 For the Period 01/1979 to 12/1996 | API: 30015227510000



Reported Oil Production = 0 Bbls  
 Reported Gas Production = 103,425 Mcf  
 Reported Water Production = 0 Bbls

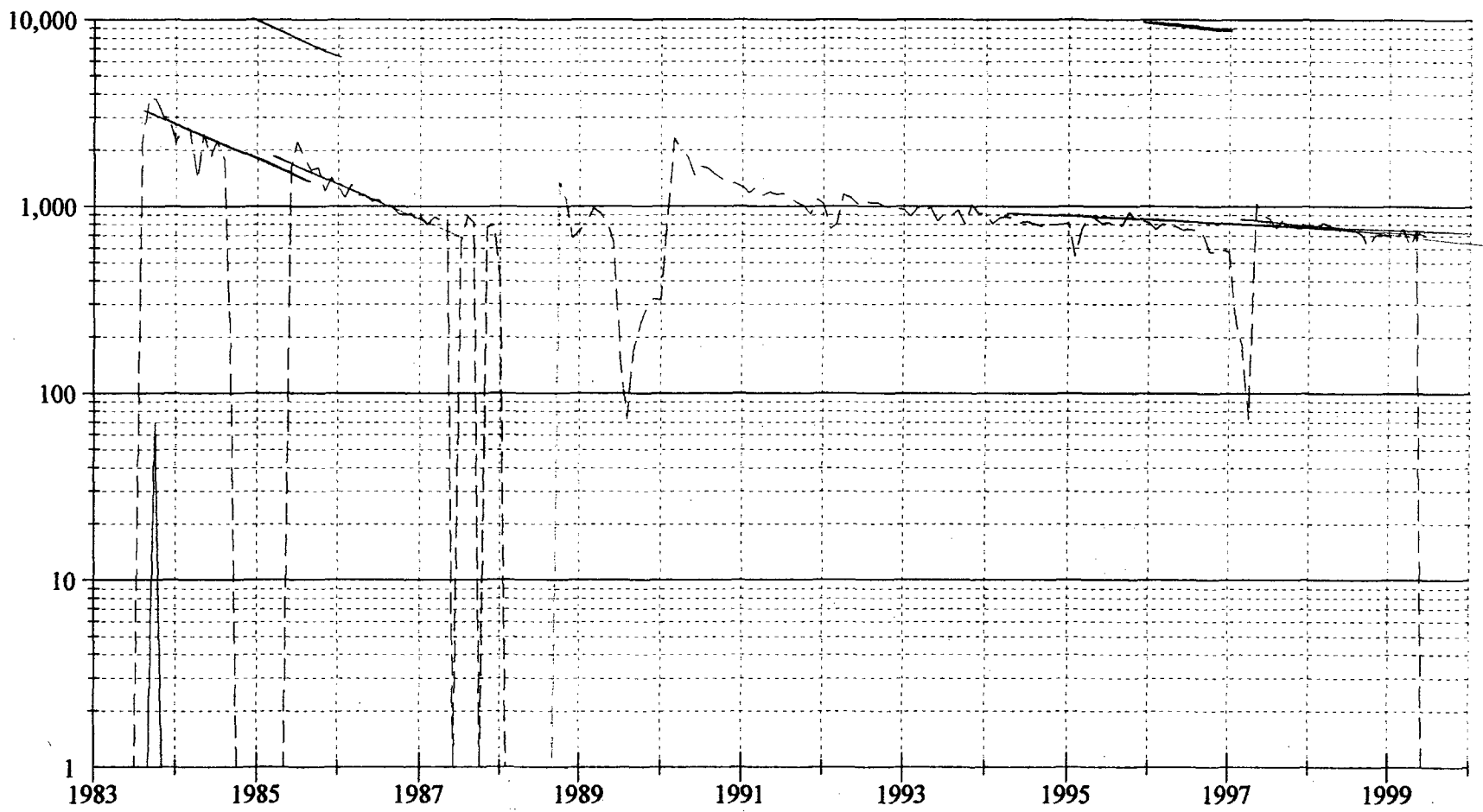
IP = 4000 Mcf @ 35%  
for 3-78  
53 →

$(700-200) \times 12 = 57$   
Ln. 9  
7178  
235

—————	Oil
- - - - -	Gas
.....	Water
- - - - -	Wells

Field: TRAVIS  
Lease: HEWITT FEDERAL | Well #2  
Operator: FROSTMAN OIL CORPORATION  
Production Rate vs Time  
For the Period 01/1983 to 12/1999 | API: 30015240010000

BBI/Mo or Mcf/Mo



Reported Oil Production = 70 Bbls  
Reported Gas Production = 178,489 Mcf  
Reported Water Production = 0 Bbls

Time

Plot Displays Monthly Totals  
Copyright (C) 1999 by Petroleum Information/Dwights LLC