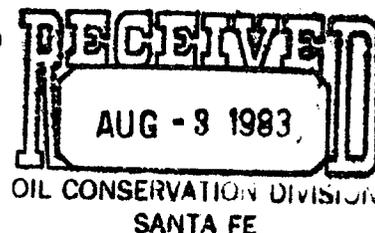




Mark K. Mosley
 Division Manager
 Production Department
 Hobbs Division
 North American Production

Conoco Inc.
 P. O. Box 460
 726 E. Michigan
 Hobbs, NM 88240
 (505) 393-4141



July 27, 1983

New Mexico Oil Conservation Division
 P. O. Box 2088
 Santa Fe, New Mexico 87501

Attention: Mr. Gilbert P. Quintana

Gentlemen:

Conoco respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Drinkard and Blinebry Oil and Gas pools in our Hawk B-1 No. 16, SE/SW, Section 8-21S-37E, Lea County, New Mexico.

During recent efforts to obtain bottom-hole pressures, we discovered communication in this well. Since we previously intended to downhole commingle the well, and repairing the communication involves a large expense, we have requested and received permission from your Hobbs District Office to commingle for 30 days. Their letter granting this approval is attached.

Also attached are the following: C-116's giving current test data, decline curve data, wellbore schematics, and a lease plat. Although the test reported for the Blinebry is not within the last 30 days, it is the most recent test available due to the communication problem in the well.

Our recommended percentages for the allocation of production and the actual bottom-hole pressures are outlined below:

	<u>Bottom-hole Pressure</u>	<u>Oil Allocation</u>	<u>Gas Allocation</u>
Drinkard	705 psi	85%	96%
Blinebry	476 psi	15%	4%

Blinebry and Drinkard production are presently surface commingled at the Hawk B-1 battery under PC-113; thus, these fluids will not be incompatible in the well nor will the value of the oil be decreased. Other Hawk B-1 wells in these pools are downhole commingled under the following orders: Hawk B-1 No. 1, R-5689; No. 2, DHC-332; No. 4, DHC-205; No. 8, DHC-121; No. 9, DHC-84; and No. 13, DHC-50. Offset operators and the Bureau of Land Management have been notified of the proposed commingling as indicated by the attached letters.

NMOCD

July 27, 1983

Page 2

We would appreciate your prompt attention to this application since our temporary approval for commingling will expire in 30 days. If you should have further questions, please call Danny Powell at this office.

Yours very truly,

A handwritten signature in black ink, appearing to read "M. Masley". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

DDP:cyg
Attachments

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool				County		Completion				Special															
Conoco, Inc.		Blinebry Oil and Gas				Lea		<input type="checkbox"/>				<input checked="" type="checkbox"/>															
Address		WELL NO.		LOCATION		DATE OF TEST		TYPE OF TEST - (X)		CHOKESIZE		TBG. PRESS.		DAILY ALLOWABLE		LENGTH OF TEST HOURS		WATER BBL.S.		GRAV. OIL BBL.S.		OIL BBL.S.		GAS M.C.F.		GAS - OIL RATIO CU. FT./BBL.	
P.O. Box 460		16		N 8 21 37		5-22-83		P		---		45		18		24		6		38.7		4		8		2000	
LEASE NAME		Hawk B-1																									

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
 Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

David J. Taylor
 (Signature)
 Administrative Supervisor

(Title)
 7-27-83
 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Conoco, Inc.		Pool Drinkard			County Lea											
Address P.O. Box 460		TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Special <input checked="" type="checkbox"/>										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL			
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.	GAS M.C.F.	
Hawk B-1	16	N	8	21	37	6-27-83	P	--	55	35	24	39	38.7	23	254	11,043

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

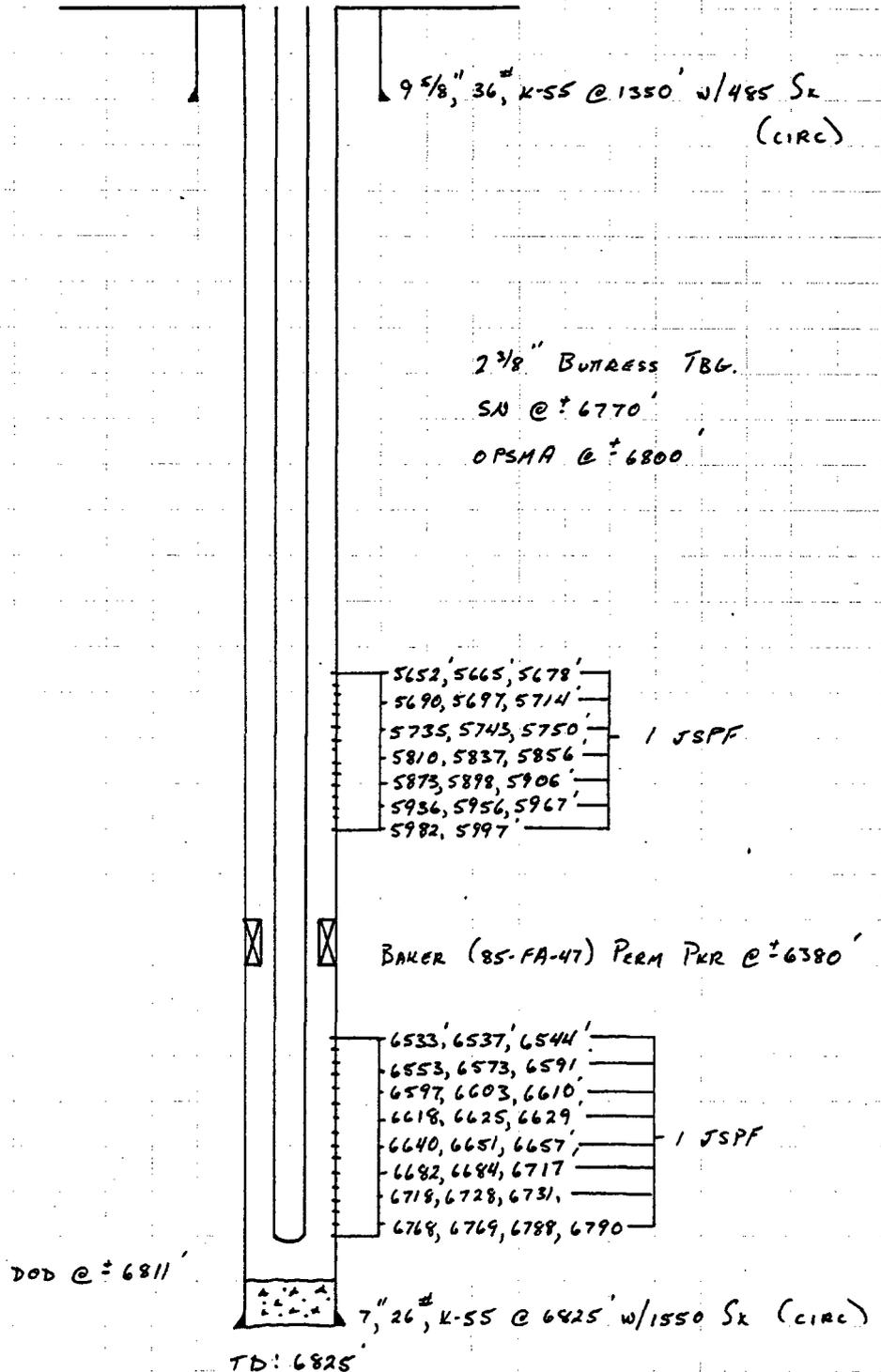
David L. Swan
 (Signature)
 Administrative Supervisor

(Title)
 7-27-83
 (Date)

ELEVATION: 3513' DF

ZERO: 14' AGL

660' FSL @ 1980' FWL
SEC 8 - T215 - R37E



Made By FLS

Conoco Inc.
Calculation Sheet

Job No.

Checked By

Date 7-25-83

Title HAWK B-1 No. 16

By BINEBRY / DRINKARD

Prepared

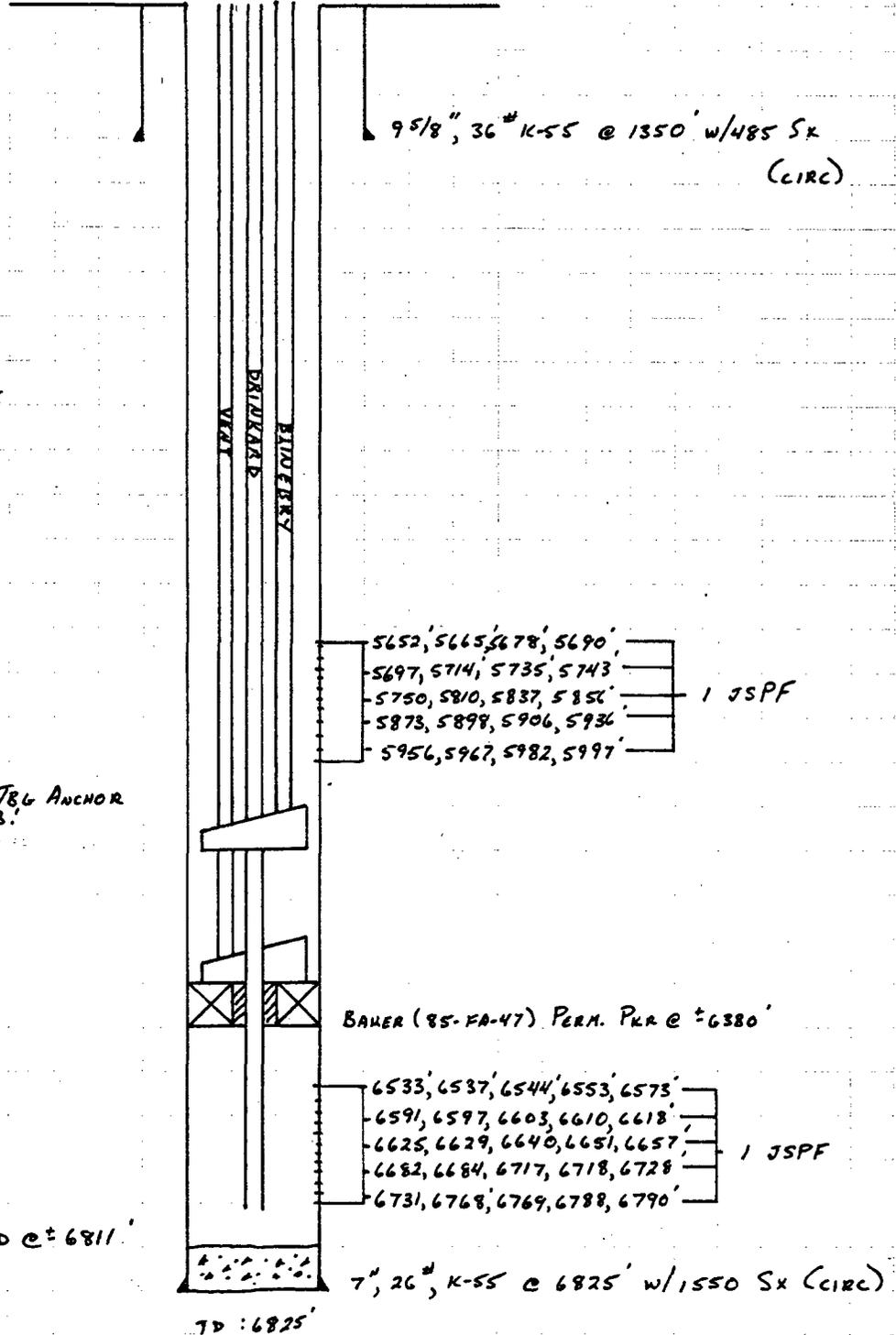
N.M.

ELEVATION: 3513' KB

ZERO: 14' AGL

660' FSL & 1980' FWL
SEC 8-T215-R37E

SEE SCHEMATIC 'A'
FOR TUBING & DOWNHOLE
EQUIPMENT DETAILS



BY-PASS PARALLEL T&G ANCHOR
@ ± 6013'

BAUER (85-FA-47) PERM. PKR @ ± 6380'

DOD @ ± 6811'

TD: 6825'

Drawn By: JLS

Checked By:

Date: 7-20-83

Conoco Inc.
Calculation Sheet

HAWK B-1 No. 16

PERCENT

Job No.

BAINEBRY / DRINKARD
N.M.

DRINKARD:

194 JTS 2 3/8" BUTTRESS TBG.

BY-PASS PARALLEL TBG ANCHOR

11 JTS 2 3/8" BUTTRESS TBG

PARALLEL-FLOW-TUBE-ANCHOR

12 JTS 2 3/8" 8 RD EVE TBG

SN @ ± 6758'

OENA @ ± 6789'

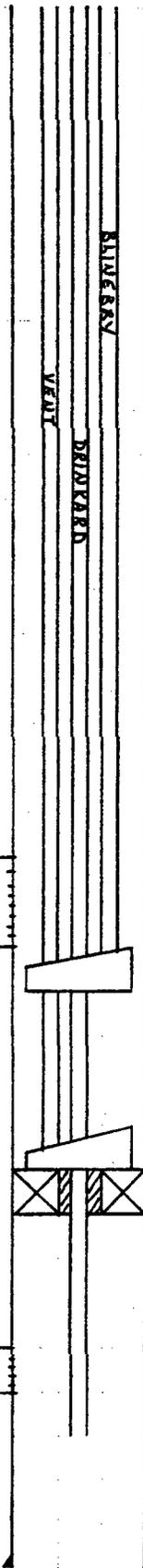
VENT STRWG:

190 JTS 1 1/4" IJ 10 RD TBG.

BLINEBRY:

190 JTS 2 3/8" BUTTRESS TBG.

SN @ ± 6010'



SCHEMATIC A

5 3/4" x 2 3/8" x 1.25" BY-PASS PARALLEL
ST. ANCHOR @ ± 6013'

BAKER (85-FA-47) PERM. PIR @ ± 6380'
w/ 5 9/16" x 2 3/8" x 1.96 ANCHOR
PARALLEL FLOW TUBE

5652'-5997'

6533'-6790'

7", K-55, 26" CSG @ ± 6825'

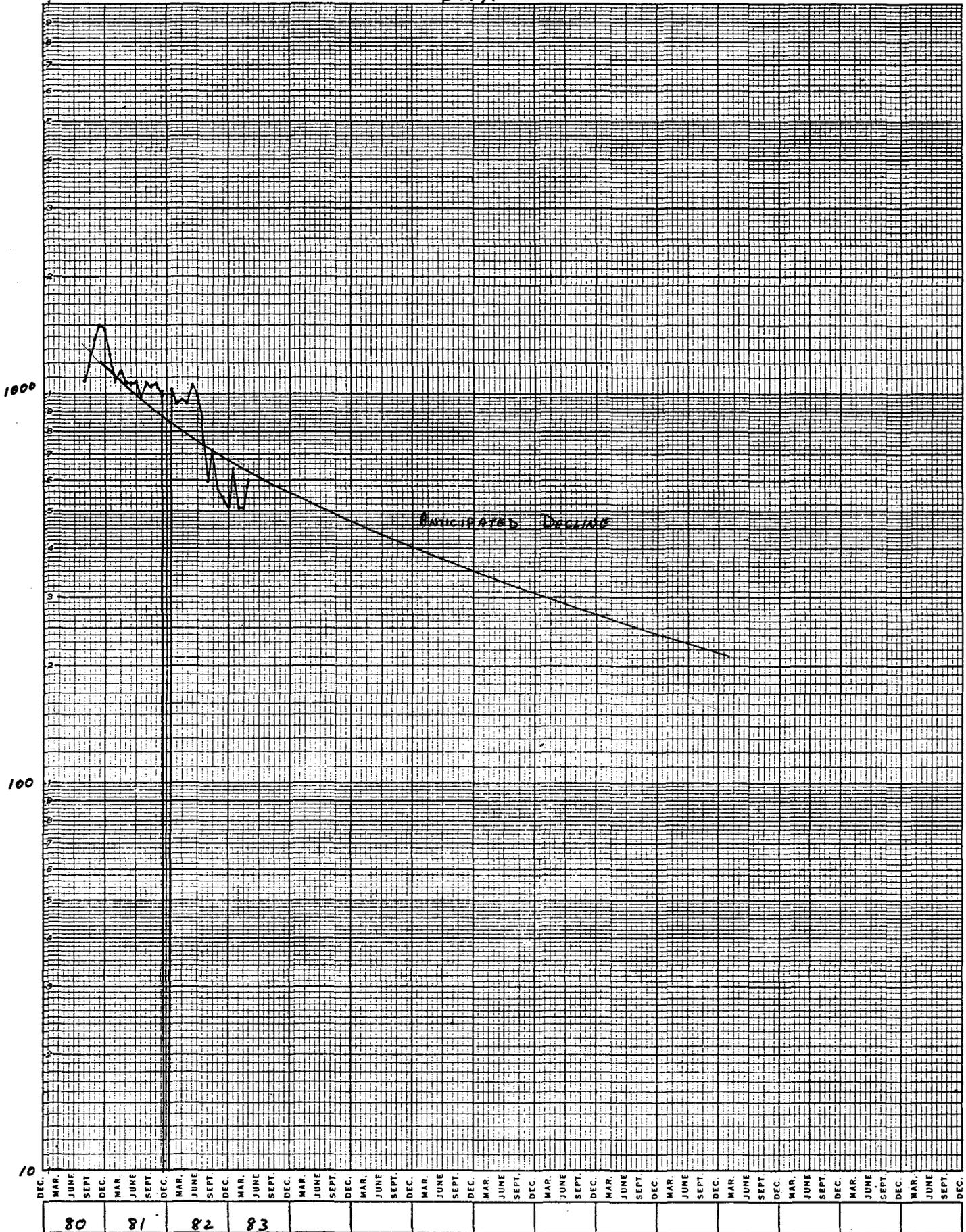
HAWK B-1 No. 16

TOTAL

BOPM

UNIVERSITY MICROFILMS INTERNATIONAL, ANN ARBOR, MICHIGAN, U.S.A.

QUICK-PLA Graph Paper



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Hawk B-1 No. 16

TOTAL

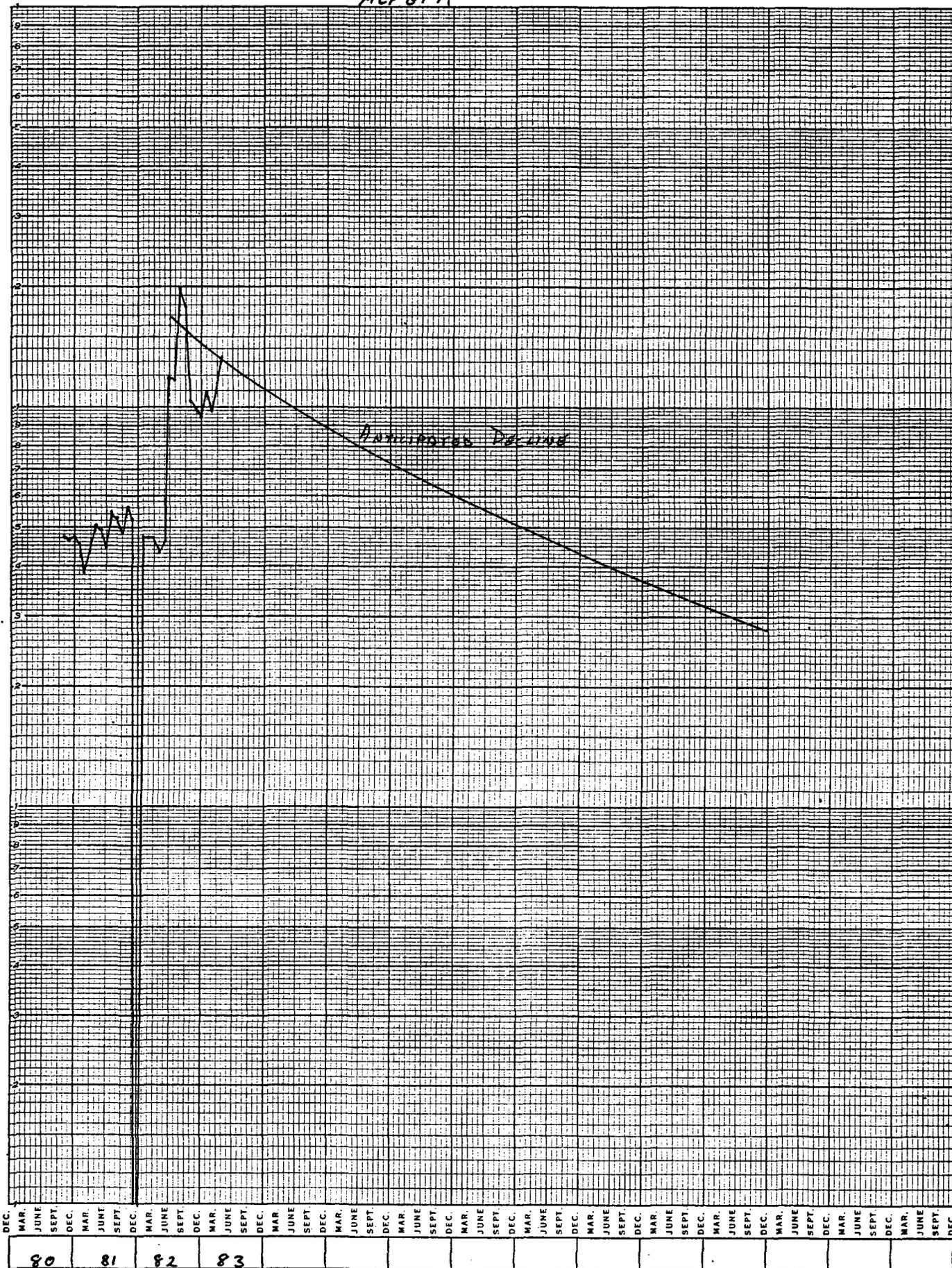
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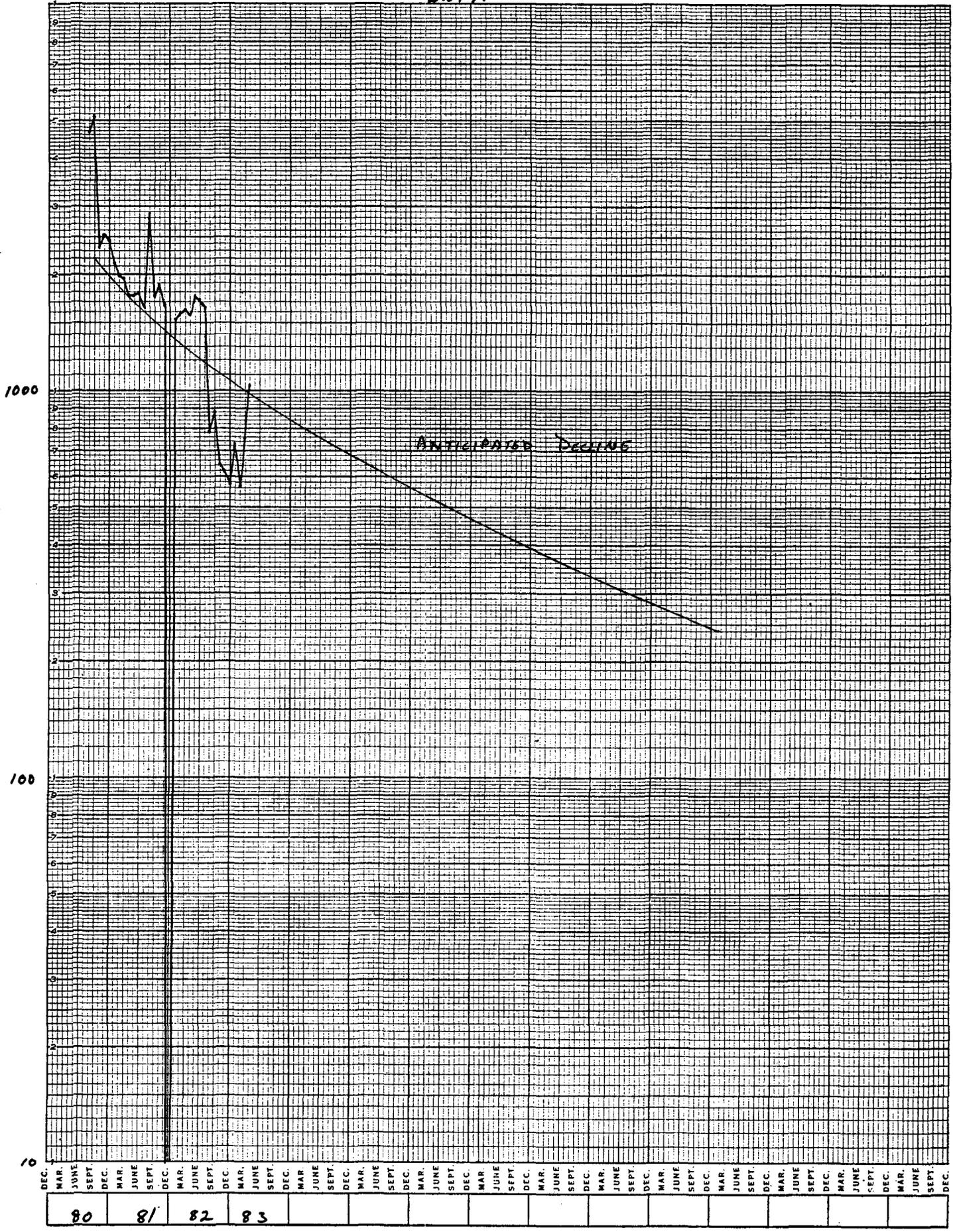
Hawk B-1 No. 16

TOTAL

BWPM

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Hawk B-1 No. 16
BLUEBRY

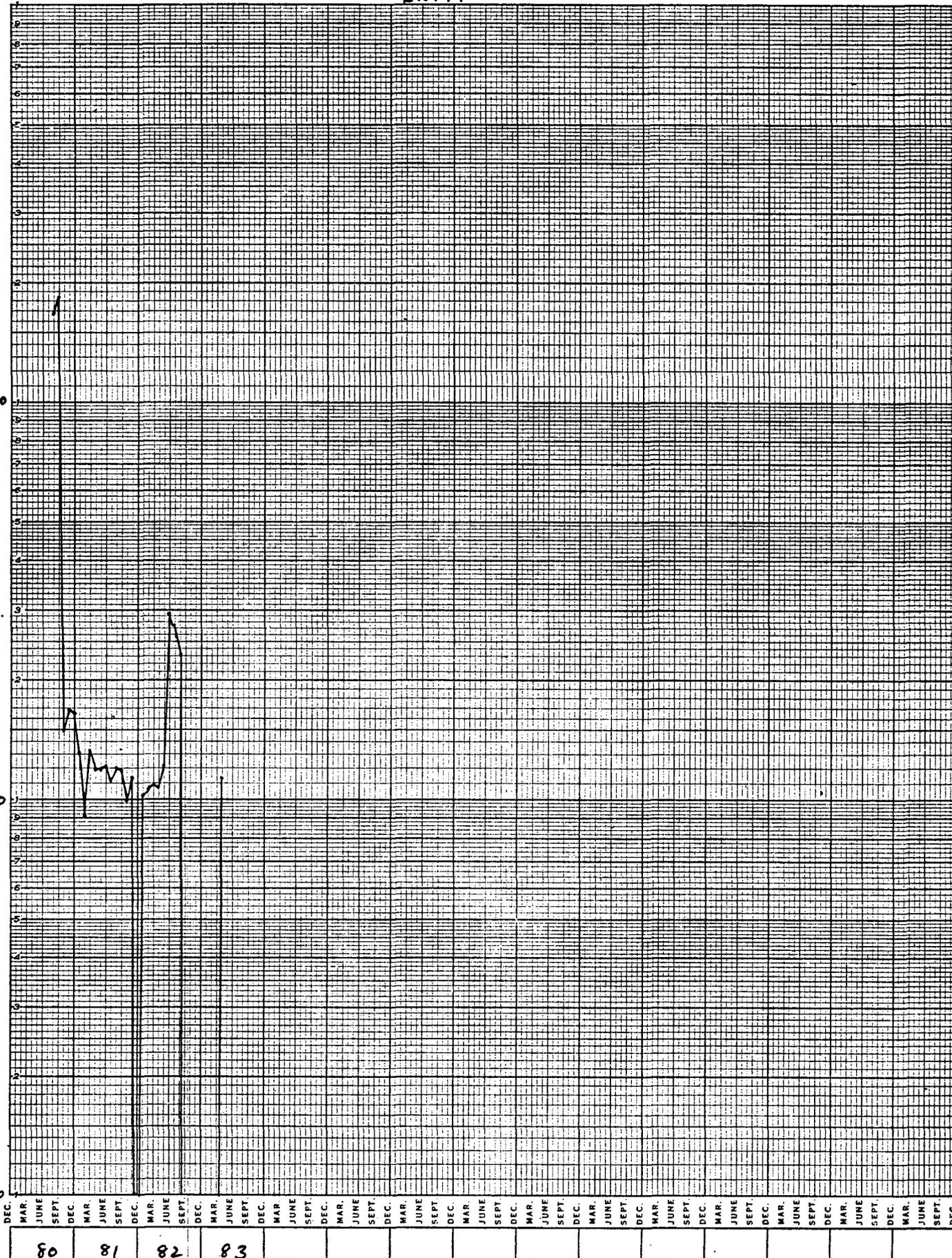
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 GRAPH PAPER

HAWK B-1 No. 16

DRINKARD

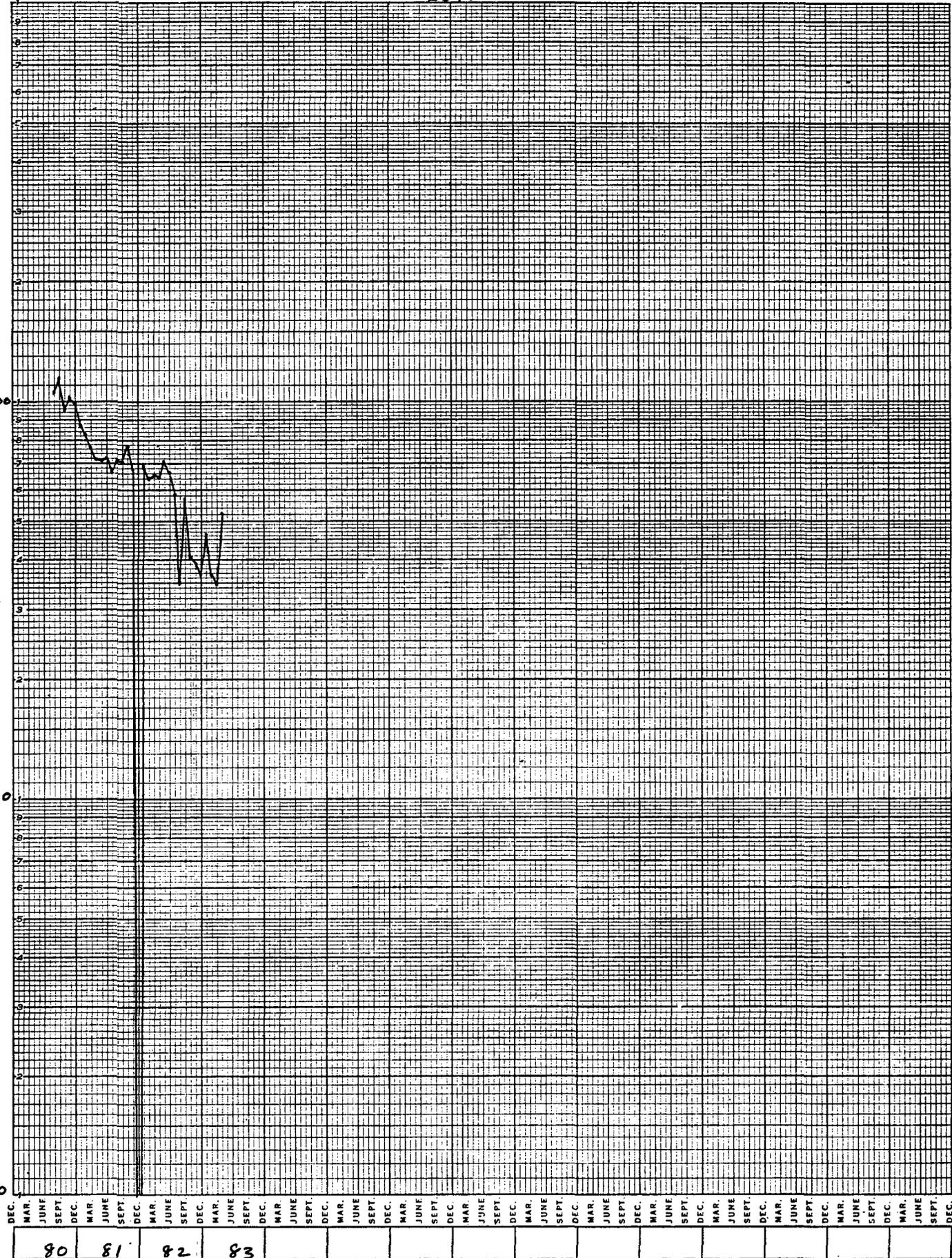
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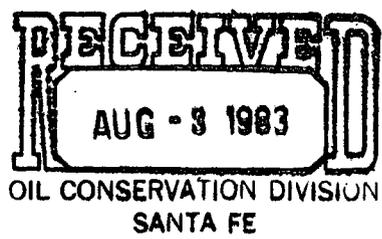


Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141

July 26, 1983

Bureau of Land Management
1717 W. 2nd Street
P. O. Box 1397
Roswell, NM 88201



Gentlemen:

Application to Downhole Commingle Hawk B-1 No. 16

Conoco Inc. is making an application to the New Mexico Oil Conservation Division to downhole commingle Drinkard and Blinebry Oil and Gas production in the subject well, located in SE/SW, Section 8-21S-37E, Lea County, New Mexico. A location plat is attached.

As required under Rule 303(c) of the NMOCD's Rules and Regulations, this letter will serve as notification of the proposed commingling.

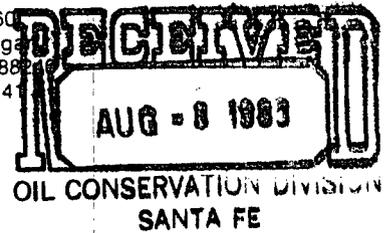
Yours very truly,

DDP:cyg
Attachment



Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141



July 26, 1983

Texaco Inc.
P. O. Box 728
Hobbs, NM 88240

Gentlemen:

Application to Downhole Commingle Hawk B-1 No. 16

Conoco Inc. is making an application to the New Mexico Oil Conservation Division to downhole commingle Drinkard and Blinebry Oil and Gas production in the subject well, located in SE/SW, Section 8-21S-37E, Lea County, New Mexico. A location plat is attached.

As required under Rule 303(c) of the NMOCD's Rules and Regulations, this letter will serve as notification of the proposed commingling to all offset operators.

Yours very truly,

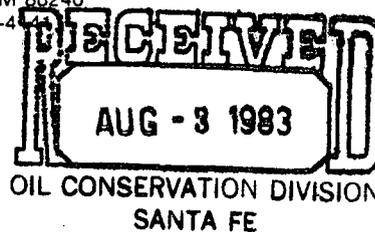
DDP:cyg
Attachment



Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141

July 26, 1983



Campbell & Hedrick
P. O. Box 401
Midland, TX 79702

Gentlemen:

Application to Downhole Commingle Hawk B-1 No. 16

Conoco Inc. is making an application to the New Mexico Oil Conservation Division to downhole commingle Drinkard and Blinebry Oil and Gas production in the subject well, located in SE/SW, Section 8-21S-37E, Lea County, New Mexico. A location plat is attached.

As required under Rule 303(c) of the NMOCD's Rules and Regulations, this letter will serve as notification of the proposed commingling to all offset operators.

Yours very truly,

DDP:cyg
Attachment

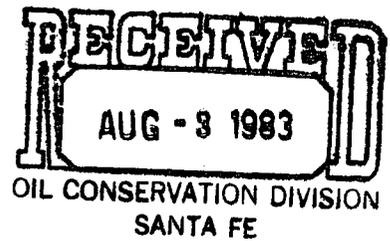


Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141

July 26, 1983

Gulf Oil Exploration and Production Company
P. O. Box 670
Hobbs, NM 88240



Gentlemen:

Application to Downhole Commingle Hawk B-1 No. 16

Conoco Inc. is making an application to the New Mexico Oil Conservation Division to downhole commingle Drinkard and Blinebry Oil and Gas production in the subject well, located in SE/SW, Section 8-21S-37E, Lea County, New Mexico. A location plat is attached.

As required under Rule 303(c) of the NMOCD's Rules and Regulations, this letter will serve as notification of the proposed commingling to all offset operators.

Yours very truly,

DDP:cyg
Attachment

1-SRC
1-CRP



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE
July 22, 1983

TONY ANAYA
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

Conoco Inc.
P. O. Box 460
Hobbs, New Mexico 88240

Gentlemen:

As requested in your letter of July 21, 1983, you will permitted to down-hole commingle production from the Drinkard and Blinebry Pools in your Hawk B-1 Well No. 16 located in Unit N of Section 8, T-21-S, R-37-E, for a period of 30 days. This should allow sufficient time for you to apply and receive approval for the downhole commingling from our Santa Fe office.

Yours very truly,

OIL CONSERVATION DIVISION

Jerry Sexton
Supervisor, District 1

mc

RECEIVED HOBBS DIVISION		JUL 25 '83	
	DATE	NOTED	BY
Div. Manager			
Asst. Div. Mgr.			
Div. Adm. Mgr.			DT
Div. Engr.			
Dir'g. Supt.			
Sys. Supt.			
Cons'v. Coord.			
Training Coord.			
Adm. Supv. - APM			
Adm. Supv. - S&S			DK
Sup. Prod. Eng.			
sup. Resv. Eng.			
Prod. Supt. - H-I			
Prod. Supt. - H-II			
Prod. Supt. - F			

DDP

pls. advise engineering
; field —
24

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

Form C-102
 Supersedes C-128
 Effective 1-4-65

RECEIVED
 AUG - 9 1983

All distances must be from the outer boundaries of the Section

Operator Continental Oil Company		Lease Hawk B 1		16
North Letter N	Section 8	Township 21 South	Range 37 East	County SANTA FE

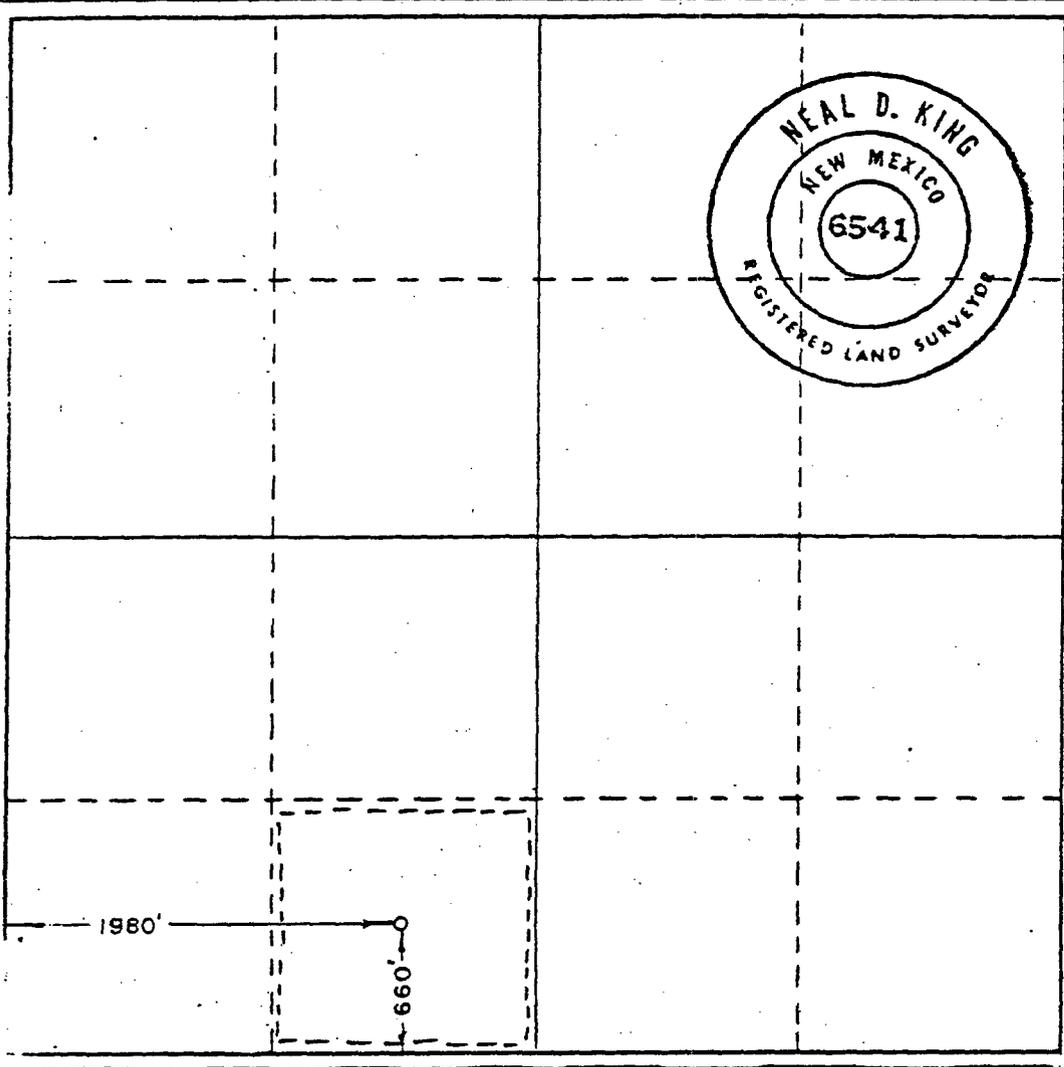
Well Footage Location of Well: 660 feet from the South line and 1980 feet from the West line				
Well Depth Elev. 3502.8	Producing Formation Drinkard	Pool Drinkard	Production Arrangement 40	Notes

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____

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.



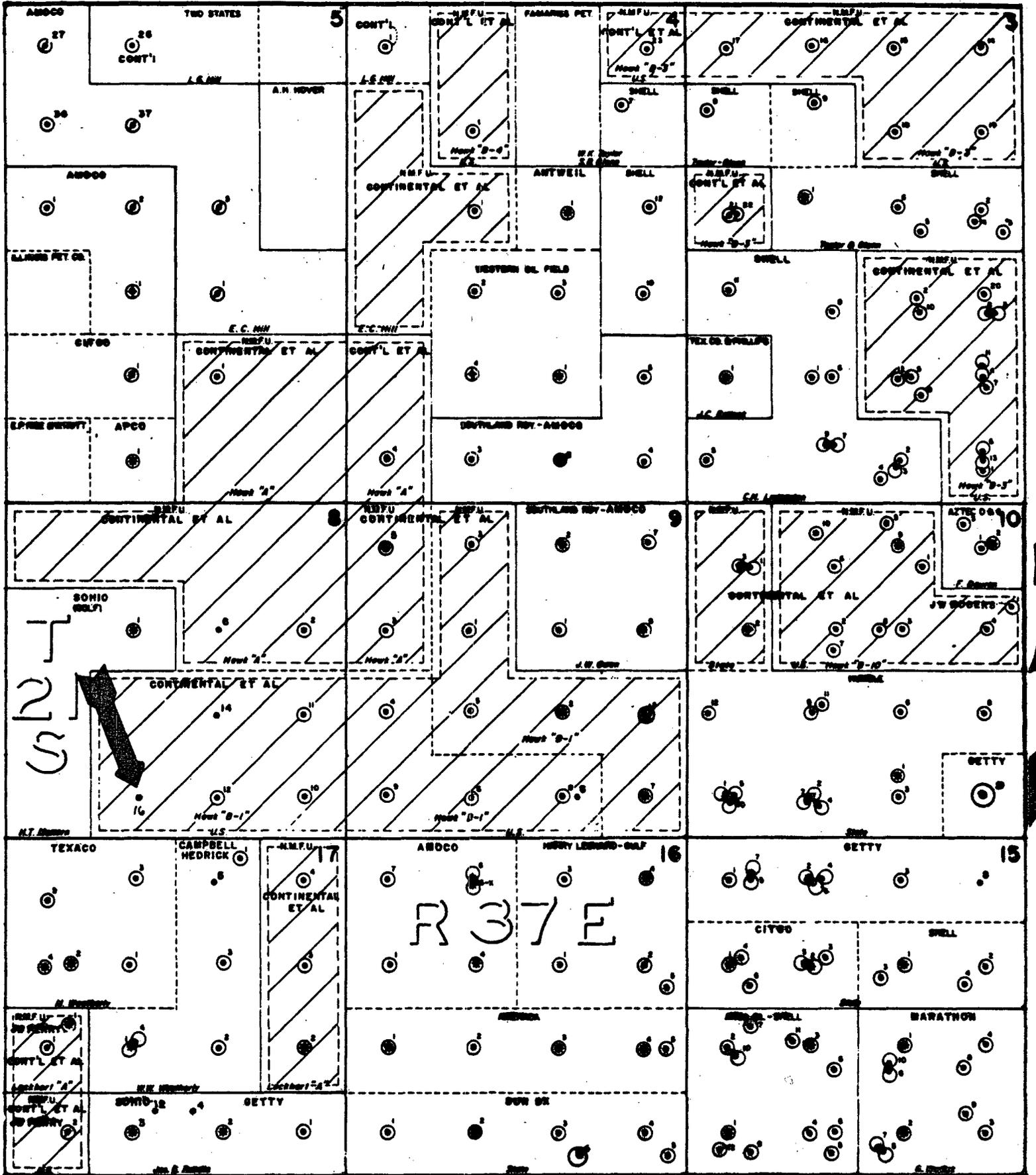
CERTIFICATION

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

Name <i>John A. Butterfield</i>
Position <i>Administrative Supervisor</i>
Company <i>CONOCO INC.</i>
Date <i>11/12/79</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.

Date Surveyed September 27, 1979
Registered Professional Engineer and/or Land Surveyor <i>Neal D. King R.L.S.</i>
Certificate No. 6541



CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DISTRICT

HAWK B-1 LEASE

LEA COUNTY, NEW MEXICO

1" = 2000'



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

DHC-421

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

CONOCO INC HAWK B-1 #16 N 8-21-37E
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Recommend using Beam pump instead of "Bean" pump

Yours very truly,

Chris Williams
Supervisor, District 1

/ed