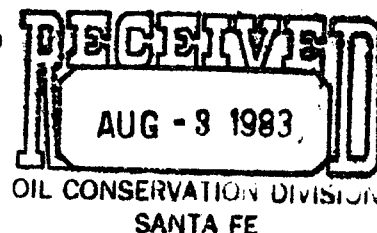




Mark K. Mosley  
Division Manager  
Production Department  
Hobbs Division  
North American Production

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

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)

C-116  
Revised 1-1-65

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. Lucas  
(Signature)

Administrative Supervisor

**(Title)**  
**7-27-83**

**(I)are)**

ELEVATION: 3513' DF

ZERO: 14' AGL

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

9 5/8" 36" K-55 @ 1350' w/485 Sx  
(CIRC)

2 3/8" BUTRESS TBG.  
SN @ ± 6770'  
OPMA @ ± 6800'

5652, 5665, 5678'  
5690, 5697, 5714'  
5735, 5743, 5750'  
5810, 5837, 5856'  
5873, 5898, 5906'  
5936, 5956, 5967'  
5982, 5997' 1 JSPP

BAKER (85-FA-47) PERM PKR @ ± 6380'

6533, 6537, 6544'  
6553, 6573, 6591'  
6597, 6603, 6610'  
6618, 6625, 6629'  
6640, 6651, 6657'  
6682, 6684, 6717'  
6718, 6728, 6731'  
6768, 6769, 6788, 6790' 1 JSPP

DOD @ ± 6811'

7" 26" K-55 @ 6825' w/1550 Sx (CIRC)  
TD: 6825'

Made By 715

Checked By

Date 7-25-83

Conoco Inc.  
Calculation Sheet

HAWIC B-1 No. 16

PREPARED

Job No.

By BINEBRY / DRINKARD

N.M.

ELEVATION: 3513' KB

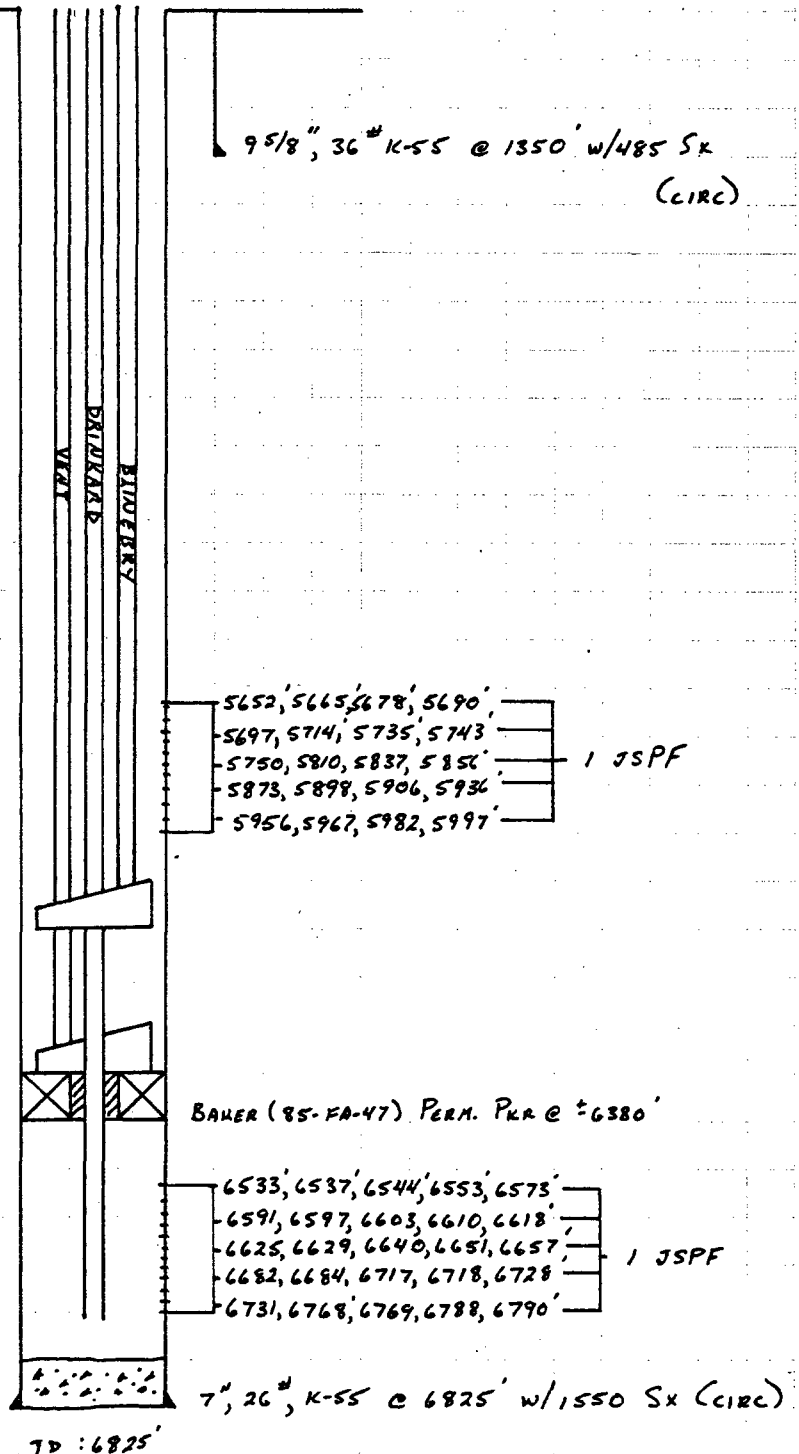
ZERO: 14' AGL

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

SEE SCHEMATIC 'A'  
FOR TUBING & DOWNHOLE  
EQUIPMENT DETAILS

BY-PASS PARALLEL T&G ANCHOR  
@ ± 6013'

DOD @ ± 6811'



Drawn By: JLS

Checked By:

Date: 7-20-83

Conoco Inc.  
Calculation Sheet

HAWK B-1 No. 16

Present

Job No.

Field: BINEBRY / 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<sup>RD</sup> EVE TBG

SN @ ± 6758'

OENA @ ± 6789'

VENT STRWG:

190 JTS 1 1/4" JJ 10<sup>RD</sup> TBG.

BLINEBRY:

190 JTS 2 3/8" BUTTRESS TBG.

SN @ ± 6010'

SCHEMATIC A

5652'-5997'

6533'-6790'

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

7", K-55, 26" CSG @ ± 6825'

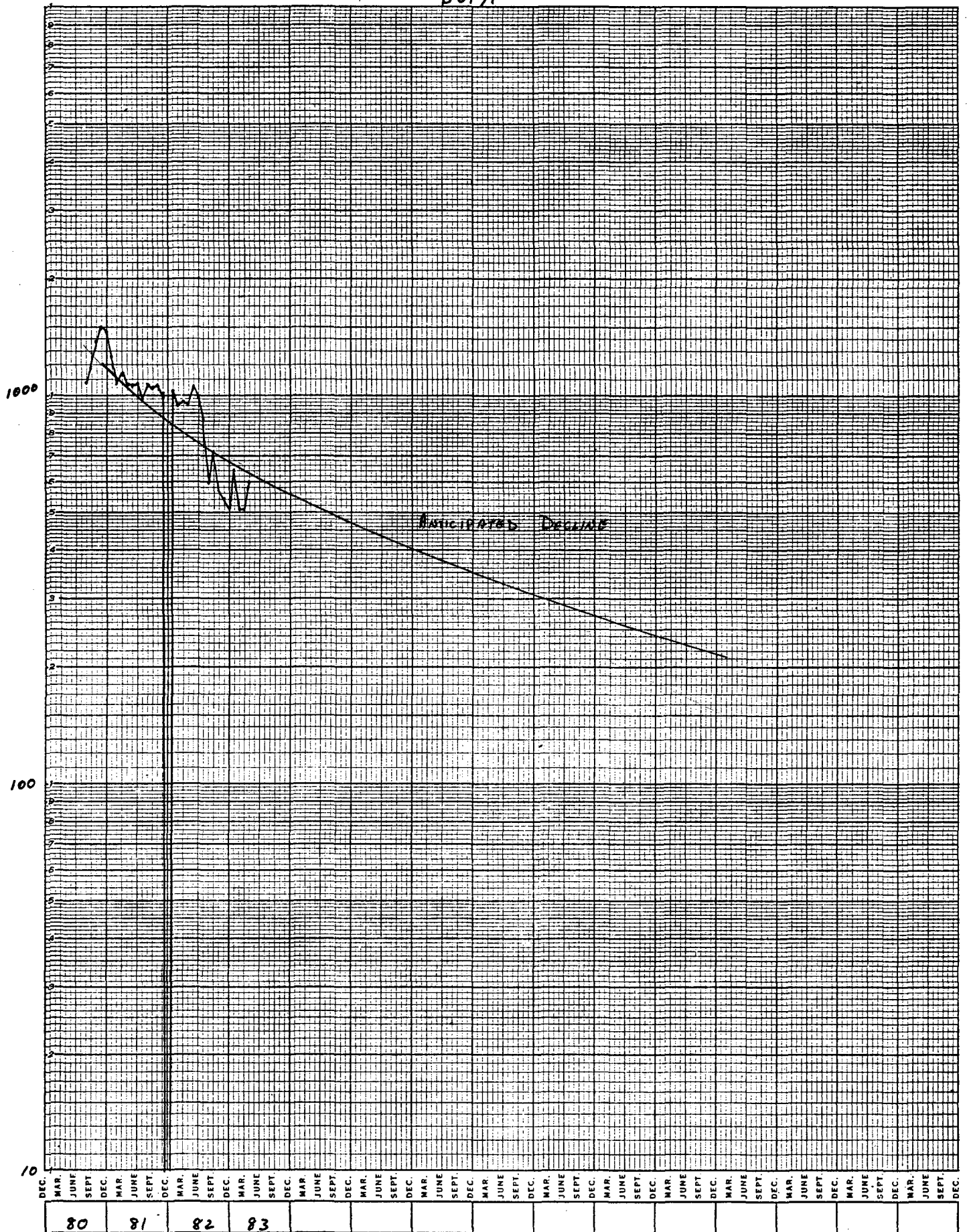
HAWK B-1 No. 16

TOTAL

BOPM

UNIVERSITY MICROFILMS INTERNATIONAL, ANN ARBOR, MI 48106-1500

Graph Paper





HAWK B-1 No. 16

TOTAL

MCFGPM

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DIRECT FROM COVEA BOOK CO., NORWICH, MASS. 01902

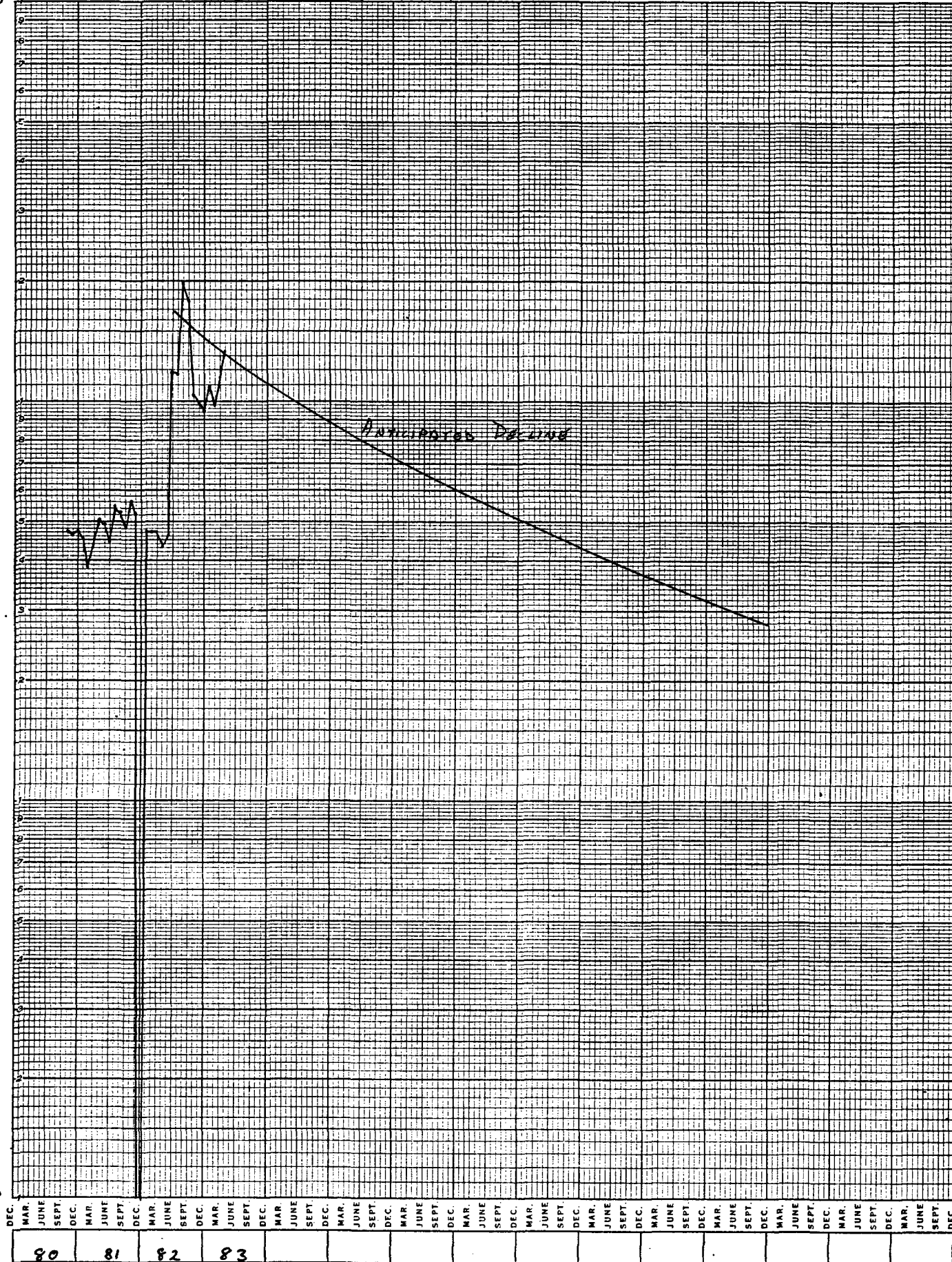
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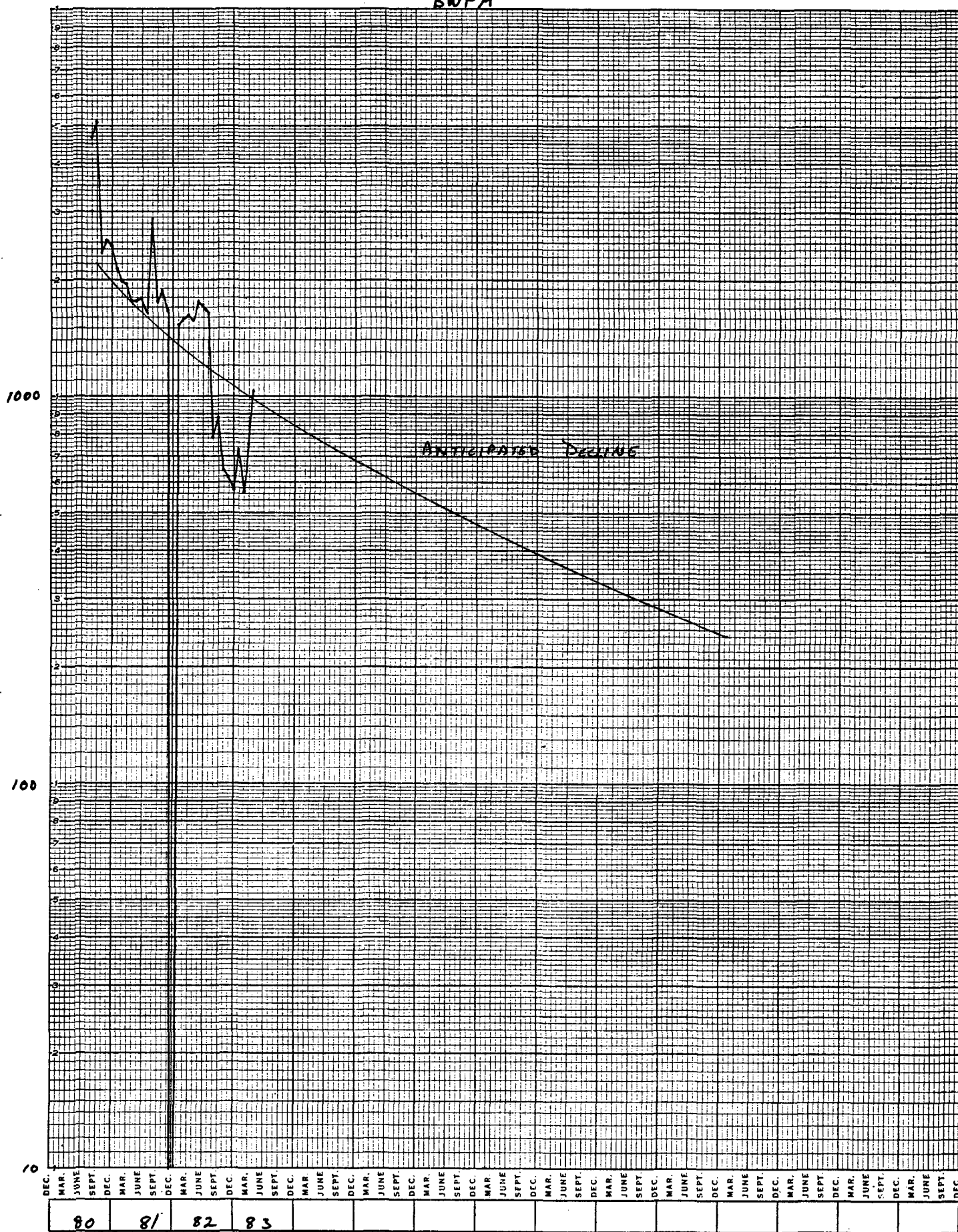
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100



## BWPM







MCF6PM

10,000

1,000

100

10

80

81

82

83

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**Graph Paper**





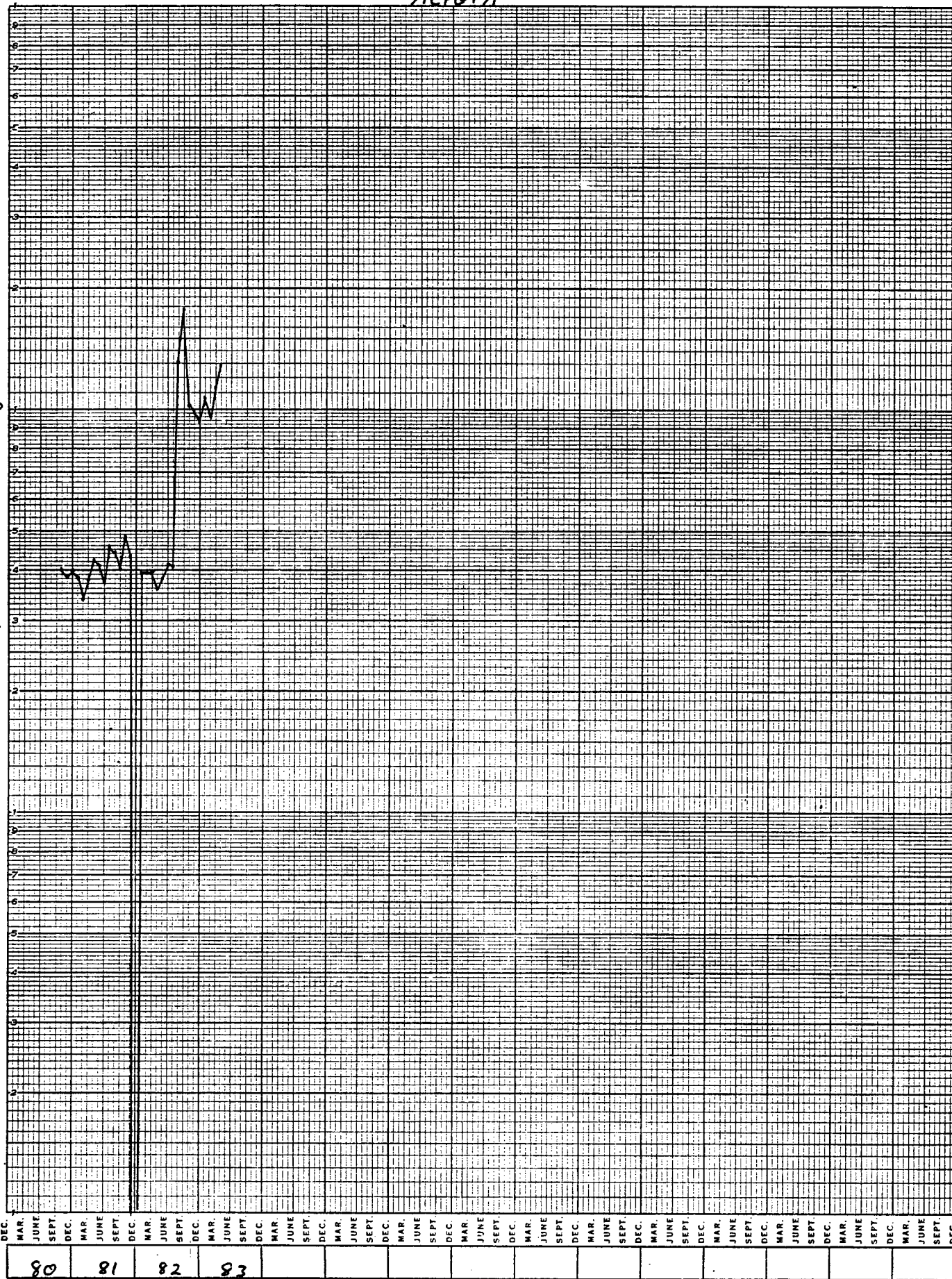


Hawk B-1 No. 16  
DRAINARD

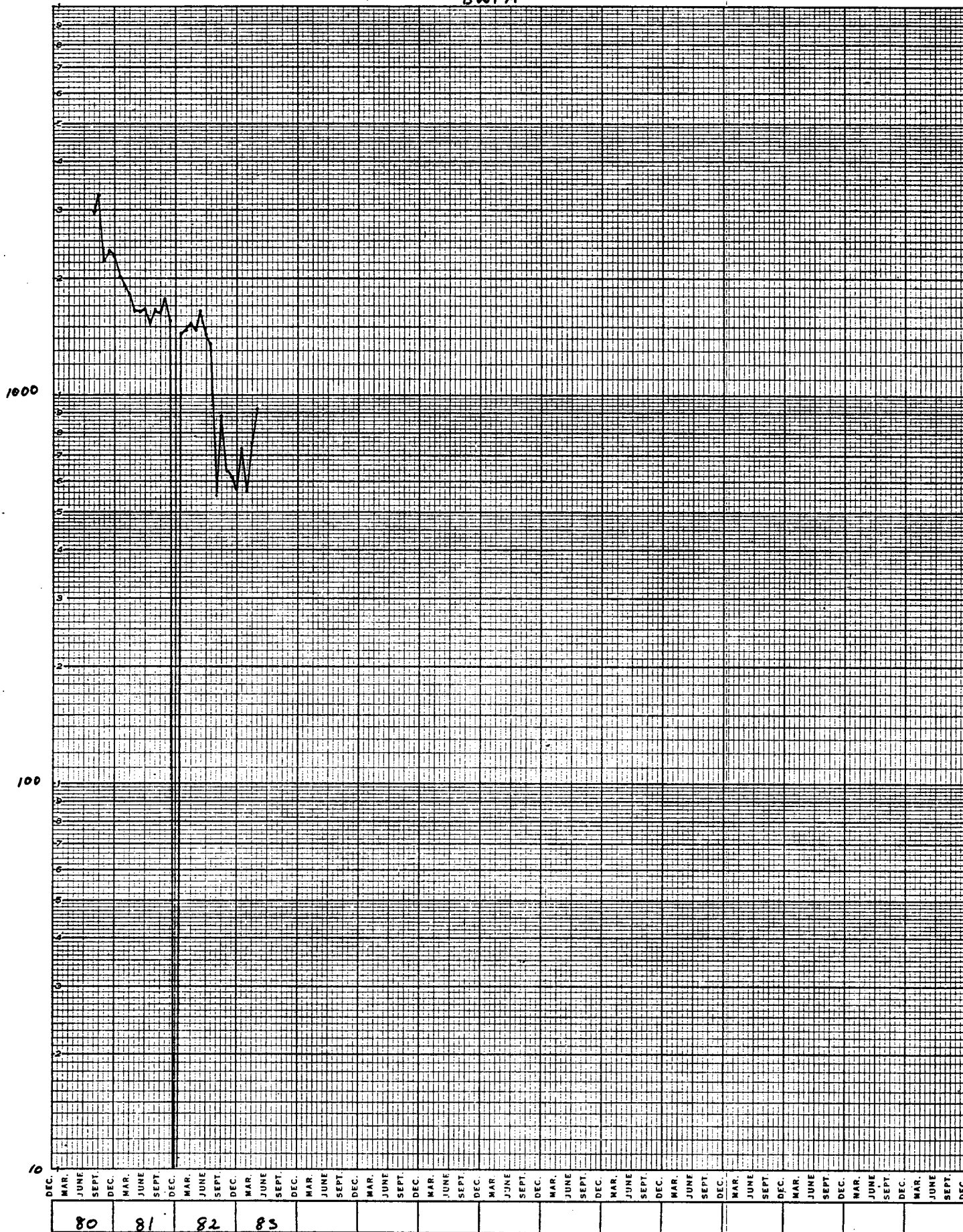
MCFGPM

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DIRECT FROM CODEX BOOK CO., NORWOOD, MASS. 02062

Graph Paper



BWPM





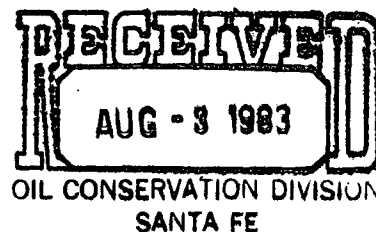


Mark K. Mosley  
Division Manager  
Production Department  
Hobbs Division  
North American Production

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.

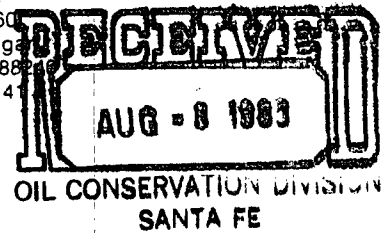
Yours very truly,

DDP:cyg  
Attachment

**CONOCO**

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,

A handwritten signature in cursive script, appearing to read "Mark K. Mosley".

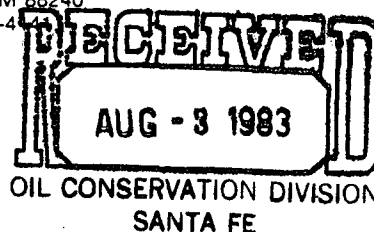
DDP:cyg  
Attachment



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

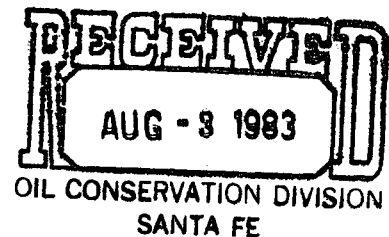


Mark K. Mosley  
Division Manager  
Production Department  
Hobbs Division  
North American Production

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 Blinbry 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

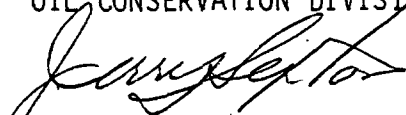
Conoco Inc.  
P. O. Box 460  
Hobbs, New Mexico 88240

Gentlemen:

As requested in your letter of July 21, 1983, you will be permitted to down-hole commingle production from the Drinkard and Blinbry 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

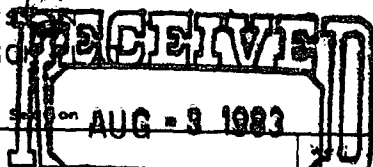
mc

RECEIVED HOBBS DIVISION		
JUL 25 '83		
	Noted	Per
Div. Manager		
Asst. Div. Mgr.		
Div. Adm. Mgr.		
Div. Engr.		
Dir. Supt.		
Sys. Supv.		
Cons'v. Coord.		
Training Coord.		
Adm. Supv. - APM		
Adm. Supv. - S&S		
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

All distances must be from the outer boundaries of the Section

Operator <b>Continental Oil Company</b>			Lease <b>Hawk B 1</b>		<b>16</b> OIL CONSERVATION DIVISION <b>SANTA FE</b> Lea
Section Letter <b>N</b>	Section <b>8</b>	Township <b>21 South</b>	Range <b>37 East</b>	County	

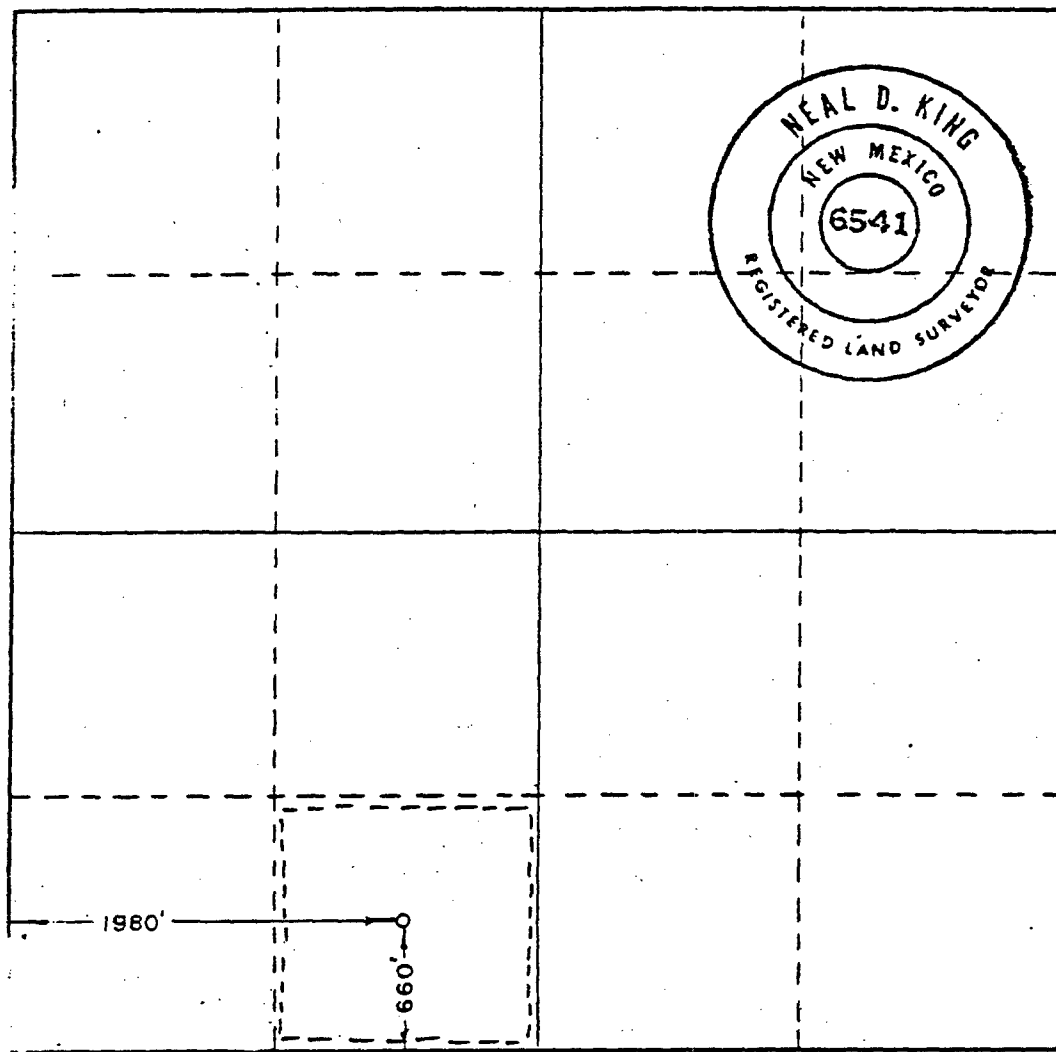
Well Footage Location of Well:						
<b>660</b>	feet from the	<b>South</b>	line and	<b>1980</b>	feet from the	<b>West</b>
Land Level Elev. <b>3502.8</b>	Producing Formation <b>Drinkard</b>		Pool <b>Drinkard</b>		Indication of Changes <b>40</b>	

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 \_\_\_\_\_

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 *John A. Butterfield*  
 Position *Administrative Supervisor*  
 Company *CONOCO INC.*  
 Date \_\_\_\_\_

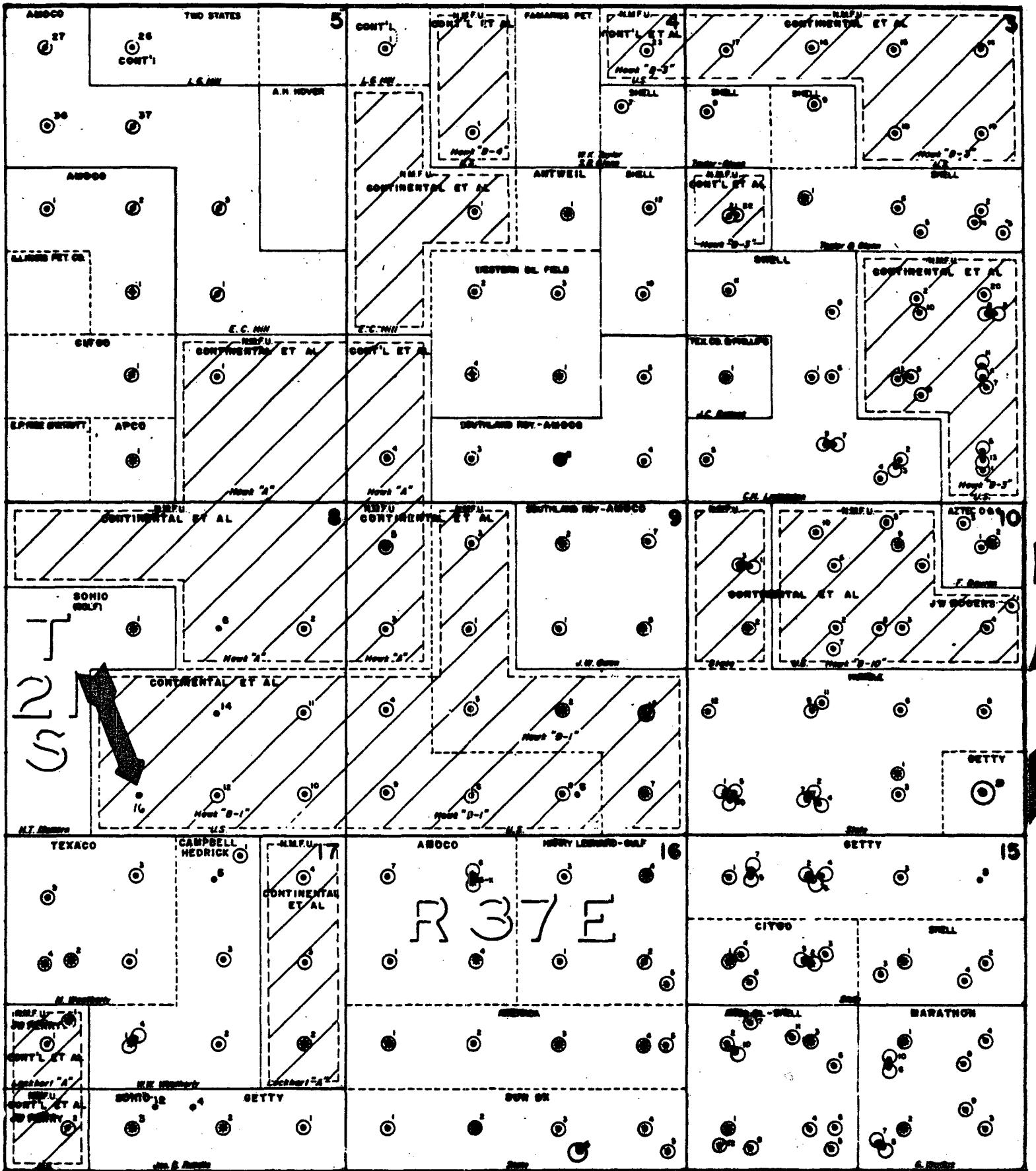
*11/12/79*

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

*Neal D. King* R.L.S.  
 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 Bean pump instead of "Bean" pump  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

*Chris Williams*

Chris Williams  
Supervisor, District 1

/ed