

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1500' FNL x 1760' FW

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

23 miles west of Farmington

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

860'

16. NO. OF ACRES IN LEASE

4800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

4/6 160/40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

500' So

19. PROPOSED DEPTH

7239'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5176' GR

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*

As soon as permitted

23.

"GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
17-1/2"	13-3/8"	48#, H-40	200'	354 cu ft Class B
12-1/4"	9-5/8"	36#, K-55	2240'	1057 cu ft Class B
8-3/4"	7"	23#, N-80	7239'	1634 cu ft Class B
		20#, K-55		

Amoco Production Co. proposes to drill the above well to further develop the Hogback Penn-Leadville reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to a TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled.

No H2S gas is expected to be encountered based on the drilling and completion of the USG Section 18 #38.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

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BDS Shaw

TITLE

ADDRESS

DATE 2/27/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE JUN 17 1985

APPROVED

AS AMENDED

APPROVED BY

TITLE

OIL CON. DIV.

DATE

CONDITIONS OF APPROVAL, IF ANY:

DIST. 3

JUN 12 1985

Stan McKee

M. MILLENBACH

AREA MANAGER

NMOCC

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-79

All distances must be from the outer boundaries of the Section.

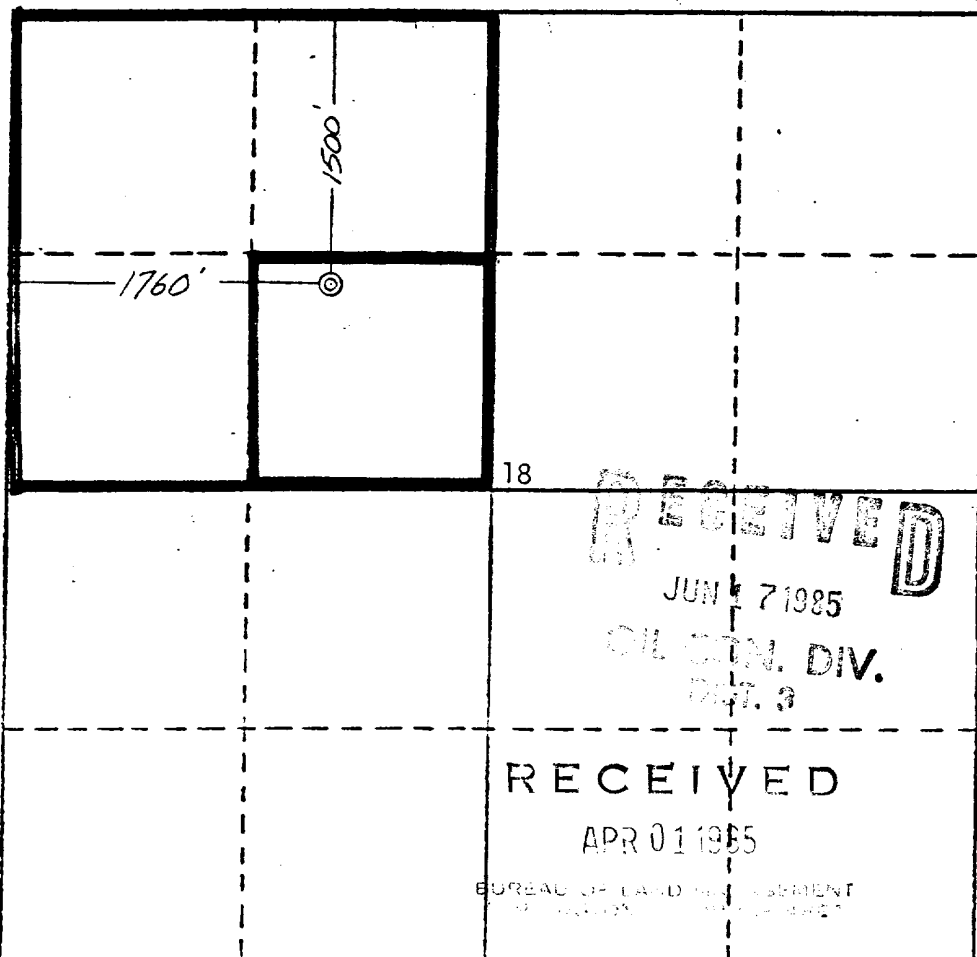
Operator AMOCO PRODUCTION COMPANY		Lease USG SECTION 18		Well No. 43
Unit Letter F	Section 18	Township 29 N	Range 16 W	County San Juan
Actual Footage Location of Well: 1500 feet from the NORTH line and 1760 feet from the WEST line				
Ground Level Elev. 5176	Producing Formation Penn-Leadville	Pool Hogback Penn-Leadville	Dedicated Acreage 160/40 Acres	

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 Division.



CERTIFICATION

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

B. D. Shaw

Name
B. D. Shaw

Position
Adm. Supervisor

Company
Amoco Production Co.

Date
3/23/8

GARY D. VANN
I hereby certify that the well location shown on this plat was plotted from field notes of actual survey 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

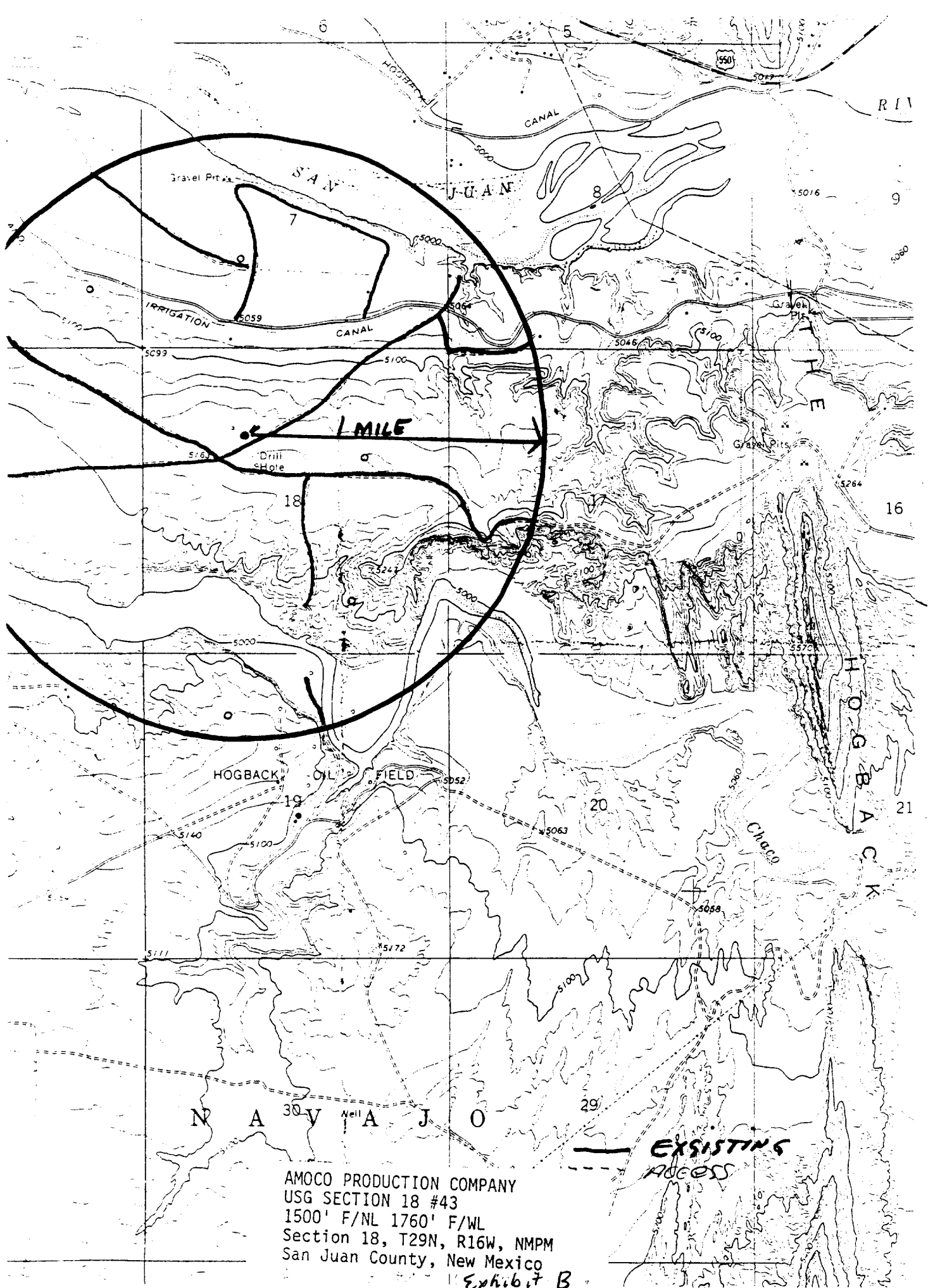
January 21, 1985

Registered Professional Engineer
and/or Land Surveyor

Gary D. Vann
Gary D. Vann

Certificate No.

7016



AMOCO PRODUCTION COMPANY
USG SECTION 18 #43
1500' F/NL 1760' F/WL
Section 18, T29N, R16W, NMPM
San Juan County, New Mexico

Exhibit B

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Amoco Production Co.

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1500' FNL x 1760' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether of top of well or etc.)
5176' GR FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.
I-89-IND-58

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
USG Section 18

9. WELL NO.
43

10. FIELD AND POOL, OR WILDCAT
Hogback Penn/Leadville

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE/NW Sec 18, T29N, R16W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

RECEIVED
MAY 13 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(Other) Bottom Hole Location ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company requests approval to amend the bottom hole location of the subject well from same as surface location to 1650' FNL x 1760' FWL.

This well was previously staked to be orthodox for gas spacing but the well was reevaluated as qualifying for oil spacing. The surface location has already been approved archaeologically by the B.I.A. and topographically by the B.L.M. The deviation is being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

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JUN 17 1985
OIL CON. DIV.
DIST. 2

18. I hereby certify that the foregoing is true and correct

SIGNED B.D. Shaw TITLE Adm. Supervisor

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

DATE 5-9-85
APPROVED
AS AMENDED
DATE

JUN 12 1985

/s/ J. Stan McKee
M. MILLENBACH
AREA MANAGER

*See Instructions on Reverse Side

NMOCC

All distances must be from the outer boundaries of the Section.

Operator Amoco Production Co.			Lease USG Section 18		Well No. 43
Unit Letter F	Section 18	Township 29N	Range 16W	County San Juan	
Actual Postage Location of Well: 1650 feet from the North line and 1760 feet from the West line					
Ground Level Elev. 5176	Producing Formation Penn/Leadville	Pool Hogback Penn/Leadville		Dedicated Acreage: 160/40 Acres	

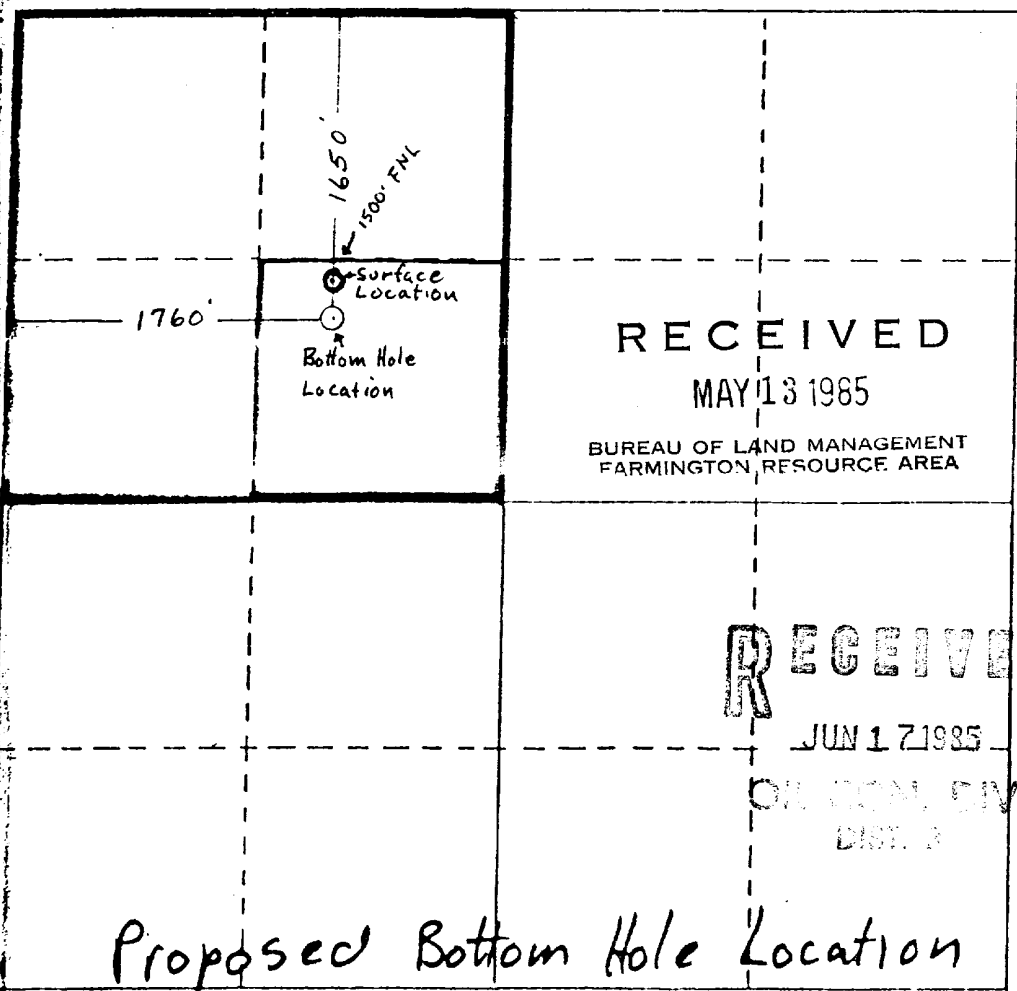
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☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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Proposed Bottom Hole Location



RECEIVED

MAY 13 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON, RESOURCE AREA

RECEIVED

JUN 17 1985

OIL CON. DIV.
DIST. 2

Proposed Bottom Hole Location

CERTIFICATION

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

B. D. Shaw

Name

B. D. Shaw

Position

Adm. Supervisor

Company

Amoco Production Co.

Date

5-9-85

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

Registered Professional Engineer
and/or Licensed Surveyor

Certificate No.