

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 940' FSL x 860' FEL

At proposed prod. zone

same

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

23.4 miles west of Farmington

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

16. DISTANCE FROM PROPOSED*

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

860'

18. NO. OF ACRES IN LEASE

4800

17. NO. OF ACRES ASSIGNED

TO THIS WELL
160/40

18. DISTANCE FROM PROPOSED LOCATION*

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

550' North

20. PROPOSED DEPTH

7150'

20. ROTARY OR CABLE TOOLS

Rotary

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

5076' GR

22. APPROX. DATE WORK WILL START*

as soon as permitted

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED PROPOSED CASING AND CEMENTING PROGRAM

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

"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#, H-40	200'	354 cf Class B
12-1/4"	9-5/8"	36#, K-55	2150'	1010 cf Class B
8-3/4"	7"	23#, N-80	7150'	1612 cf Class B
		20#, K-55		

Amoco proposes to drill the above well to further develop the Hogback Penn - Leadville reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to 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 is expected to be encountered based on the drilling & 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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SIGNED

B. Shaw

Adm. Supervisor

DATE 3/27/85

(This space for Federal or State office use)

PERMIT NO.

JUN 11 1985

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

OIL CON. DIV.

DIST. 3

NMOCC

*See Instructions On Reverse Side

APPROVED
AS AMENDED

DATE 06
JUN 04 1985
/s/ J. Stan McKee

for M. MILLENBACH
AREA MANAGER

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

Operator AMOCO PRODUCTION COMPANY		Lease USG SECTION 18		Well No. 48
Unit Letter P	Section 12	Township 29 N	Range 17 W	County San Juan
Actual Footage Location of Wells 940 feet from the SOUTH line and 860 feet from the EAST line				
Ground Level Elev. 5076	Producing Formation Pennsylvanian-Leadville	Pool Hogback Pennsylvanian - Leadville		Dedicated Acreage 160/40 Acres

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 Division.

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CERTIFICATION

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

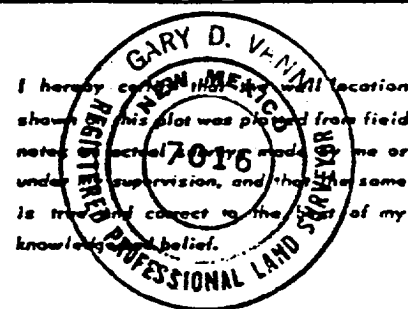
B. D. Shaw

Name
B. D. Shaw

Position
Adm. Supervisor

Company
Amoco Production Co.

Date
3/23/85



Date Surveyed
January 22, 1985

Registered Professional Engineer
and/or Land Surveyor

Gary D. Vann

Certificate No.
7016