

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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****Jerome P. McHugh****3. ADDRESS OF OPERATOR****Box 234, Farmington, N. M. 87401****4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)**

At surface

At proposed prod. zone

1520' fm1, 800' fm1**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*****15. DISTANCE FROM PROPOSED***LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)**800'****18. DISTANCE FROM PROPOSED LOCATION***
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.**16. NO. OF ACRES IN LEASE****2608.20****19. PROPOSED DEPTH****8200'****17. NO. OF ACRES ASSIGNED
TO THIS WELL****320****20. ROTARY OR CABLE TOOLS****Rotary****21. ELEVATIONS (Show whether DF, RT, GR, etc.)****7110' Gr.****22. APPROX. DATE WORK WILL START*****XXXX 9/2/69****23.****PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	175 cu. ft.
7 7/8"	4 1/2"	10.5 & 11.6#	8200'	1800 cu. ft.

Propose to drill a 12 1/4" hole to approximately 200'-run 8 5/8" csg. cemented to surface.

A 7 7/8" hole will then be drilled to a sufficient depth to test the Dakota formation - approximately 8200'. If commercial production is indicated, producing csg. will be run and cemented in three stages to protect the Mesaverde and Pictured Cliffs.

The well will then be selectively perforated and sand- water fractured.

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 any other preventive program, if any.

24.

SIGNED

Original signed by T. A. Dugan

TITLE

Agent

DATE

8/27/69

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED

AUG 28 1969

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

30-039-20266

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #98

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla A

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

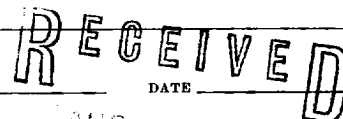
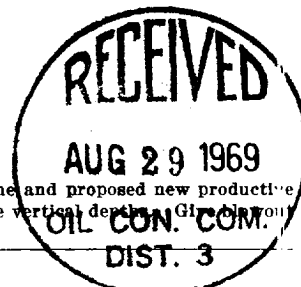
**11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA**

Sec. 17, T26N, R3W

12. COUNTY OR PARISH

Rio Arriba N. M.

13. STATE



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

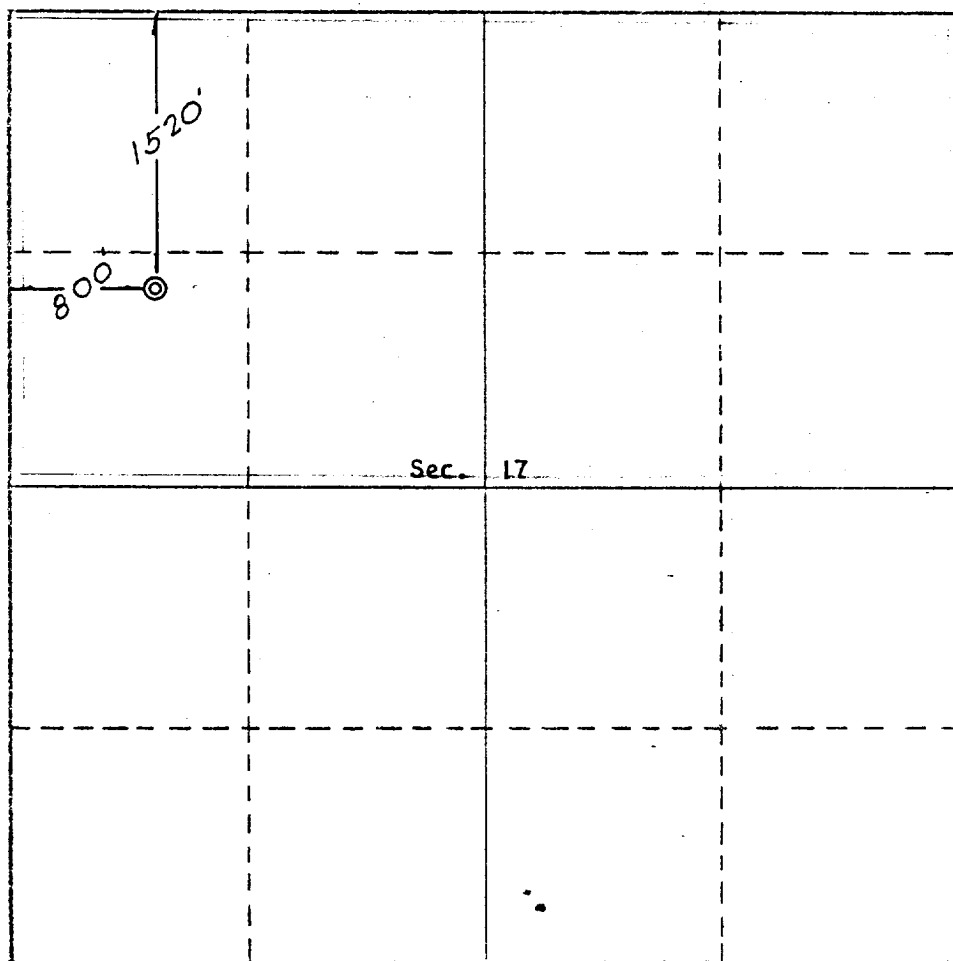
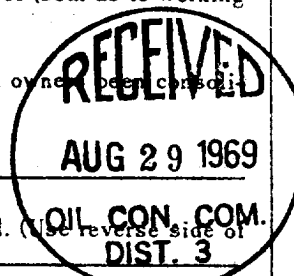
Operator JEROME P. McHUGH			Lease Jicarilla A		Well No. 5
Unit Letter E	Section 17	Township 26 North	Range 3 West	County Rio Arriba	
Actual Footage Location of Well: 1520 feet from the North line and 800 feet from the West line					
Ground Level Elev. 7110	Producing Formation Dakota		Pool Basin	Dedicated Acreage: 320 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 Commission.

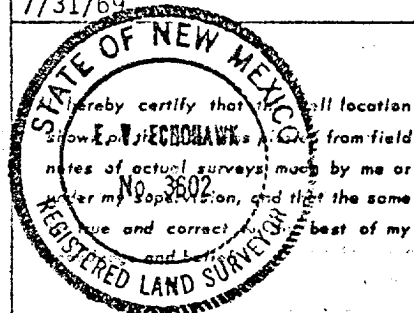


CERTIFICATION

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

Original signed by **T. A. Dugan**

Name
Thomas A. Dugan
Position
Engineer
Company
Jerome P. McHugh
Date
7/31/69



Date Surveyed
July 24, 1969
Registered Professional Engineer
and/or Land Surveyor

E. A. [Signature]
Certificate No. **3602**