

Form 9-331 C  
(May 1953)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

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, NM 87401

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

840' FSL - 1190' FEL

At proposed prod. zone

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

20 miles southwest Dulce, NM

15. DISTANCE FROM PROPOSED\*

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

840'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

4000'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

199.34

20. ROTARY OR CABLE TOOLS

Rotary

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

7220' GR

22. APPROX. DATE WORK WILL START\*

10-15-77

23.

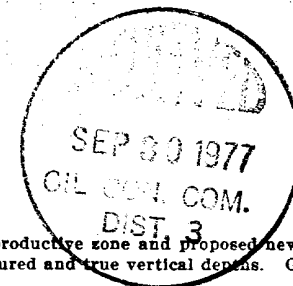
## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/2"	8-5/8"	24#	150'	125 sx
7-7/8"	4-1/2"	10.5#	4000'	300 sx

Drill well with mud to test Pictured Cliffs formation. Set 4-1/2" casing thru Pictured Cliffs formation, selectively perforate, sand-water frac, clean out after frac, run 1-1/4" tubing and complete well.

Will use non-flanged well heads w/2000 psi WP, hydraulic BOP furnished by drilling contractor while drilling, and manual double gate BOP on completion.

NMERB Requirement: Gas not dedicated at this time.



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.

24.

SIGNED

Thomas A. Dugan

TITLE

Petroleum Engineer

DATE

9-26-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

SEP 27 1977

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DULCE, N.M.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-12K  
Effective 1-1-65

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

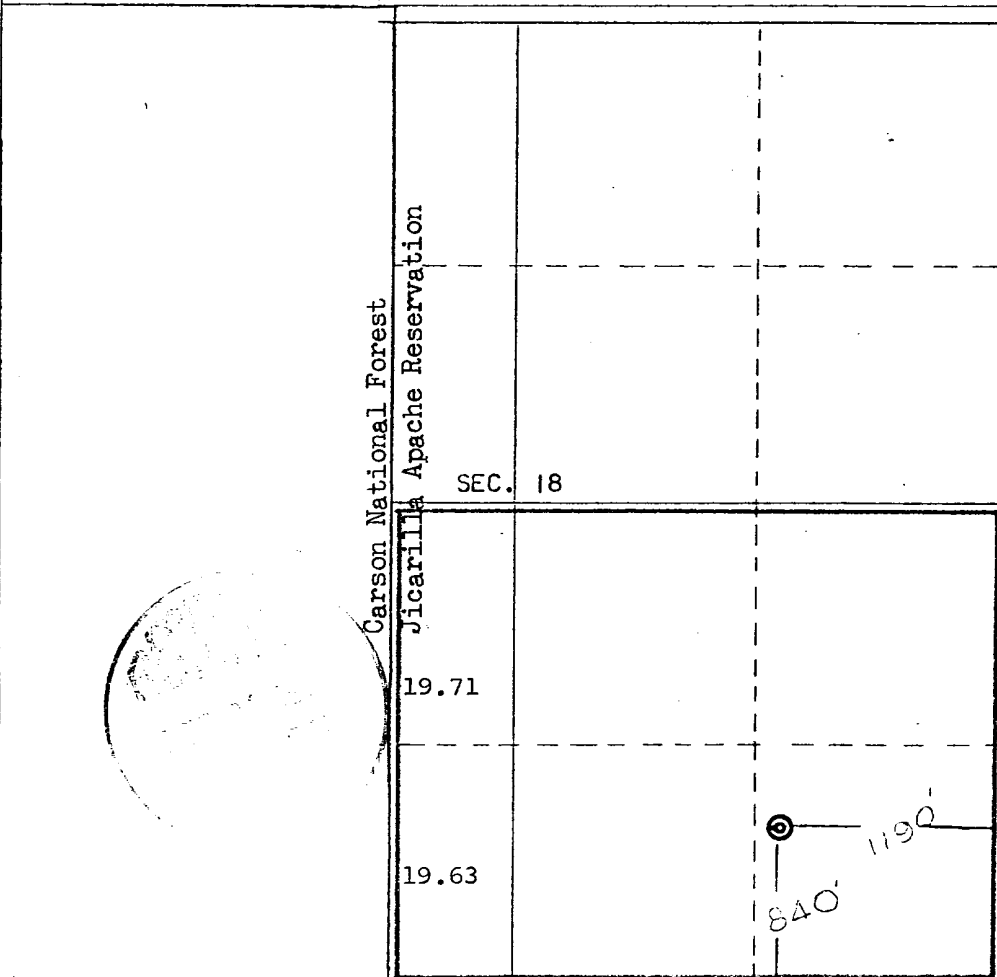
Operator <b>Jerome P. McHugh</b>			Lease <b>JER Jer</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>18</b>	Township <b>28 North</b>	Range <b>3 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
<b>840</b> feet from the <b>South</b> line and		<b>1190</b> feet from the <b>East</b> line			
Ground Level Elev. <b>7220'</b>	Producing Formation <b>Pictured Cliffs</b> ✓	Pool <b>Wildcat</b> ✓	Dedicated Acreage: <b>199.34</b> 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.

*Thomas A. Dugan*  
Name

Thomas A. Dugan  
Position

Petroleum Engineer  
Company

Jerome P. McHugh  
Date

9-26-77

REGISTERED LAND SURVEYOR  
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 are true and correct to the best of my knowledge and belief.  
E.V. ECHOHAWK  
WEST MEXICO

Date Surveyed  
September 9, 1977

Registered Professional Engineer and/or Land Surveyor

*E.V. Echohawk*  
Certificate No. 3602

E.V. Echohawk LS