

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-22638

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 790' FSL - 790' FWL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 20 miles south of Farmington, NM

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'  
 16. NO. OF ACRES IN LEASE  
 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None  
 19. PROPOSED DEPTH 1350'

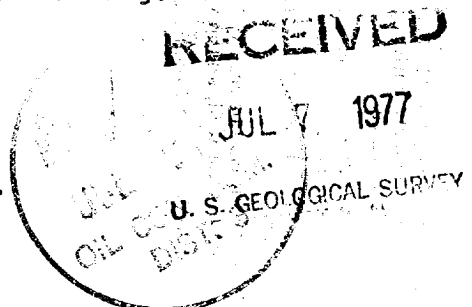
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6132' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/4"	5-1/2"	14#	30'	5 SX
4-3/4"	2-7/8"	6.4#	1350'	75 SX

Plan to drill 4-3/4" hole with minimum mud to 1350' to test Pictured Cliffs formation.  
 Do not plan to have blowout preventer on well while drilling. Will install master valve and stripper head while completing.

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 7-5-77

(This space for Federal or State office use)  
 PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

*Obal*

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.

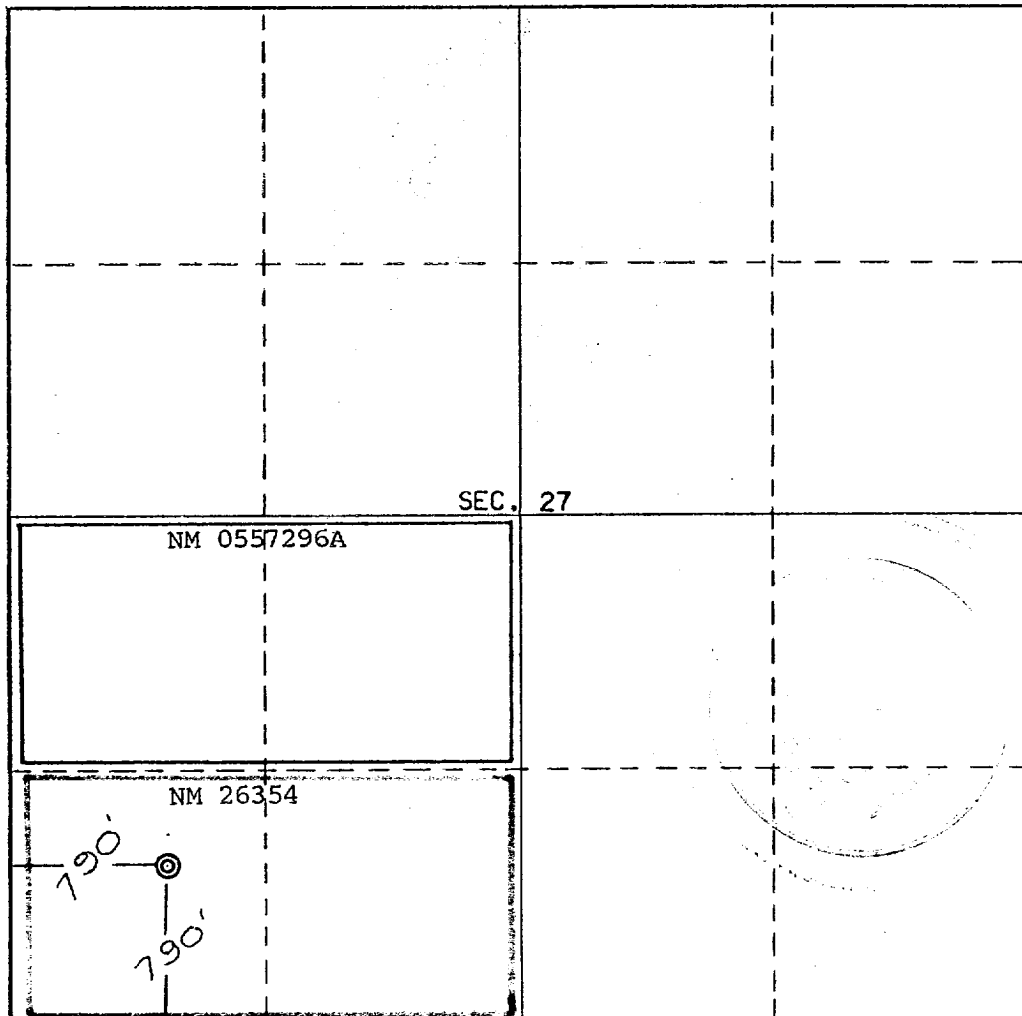
Operator <b>Jerome P. McHugh</b>		Lease <b>Chaco Plant</b>			Well No. <b>32</b>
Unit Letter <b>M</b>	Section <b>27</b>	Township <b>26 North</b>	Range <b>12 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6132</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>NIPP</b>	Dedicated Acreage: <b>160</b> Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Plan to Communitize

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  
**7-5-77**

*E. V. Echhawk*  
I hereby certify that the well location shown on this plat was plotted from field notes of **E. V. ECHHAWK** made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.  
No. 3602  
REGISTERED LAND SURVEYOR

Date Surveyed  
**June 11, 1977**  
Registered Professional Engineer and/or Land Surveyor  
*E. V. Echhawk*  
Certificate No. **3602**  
**E. V. Echhawk LS**

