

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 30-039-20560 Cont. 116		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
2. NAME OF OPERATOR Jerome P. McHugh			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Box 234, Farmington, New Mexico 87401			8. FARM OR LEASE NAME Tribal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1850' FNL, 790' FWL At proposed prod. zone			9. WELL NO. 4		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 miles northwest Lindrieth, New Mexico			10. FIELD AND POOL, OR WILDCAT Tapacito P.C.		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T26N, R3W		
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 N S			13. STATE N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000' approx			19. PROPOSED DEPTH 3900		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* 10-1-72		
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 7121 GR			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	125	80 sx
7 7/8	4 1/2	9.5	3900	300 sx

Drill well with mud to test Pictured Cliffs formation. Set 4 1/2" production csg, selectively perforate, sand water frac, cleanout, run 1 1/4" tbg and complete well.




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. Original signed by T. A. Dugan  
SIGNED \_\_\_\_\_ TITLE Engineer DATE 9-14-72

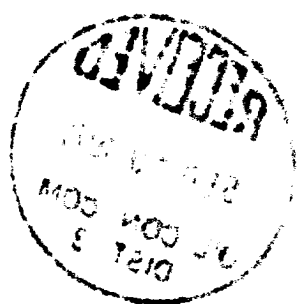
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY  TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>Jerome P. McHugh</b>			Lease <b>Tribal</b>		Well No. <b>4</b>
Unit Letter <b>E</b>	Section <b>16</b>	Township <b>26 North</b>	Range <b>3 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7121</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Tapacito</b>		Dedicated Acreage: <b>160</b> <sup>AS</sup> 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 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

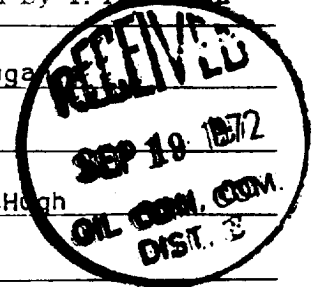
Engineer

Company

Jerome P. McHugh

Date

9-14-72



I 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

September 8, 1972

Registered Professional Engineer  
and/or Land Surveyor

*E. V. Echohawk*

Certificate No. 3602

E. V. Echohawk LS

Scale, 1 inch = 1,000 feet

