

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

30-045-21187

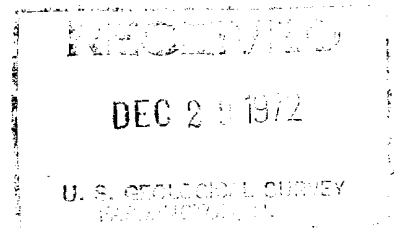
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 16476
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
2. NAME OF OPERATOR Jerome P. McHugh		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 234, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Bengal C
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FSL, 790' FEL At proposed prod. zone		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles south Farmington, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 790'	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T27N, R13W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---	19. PROPOSED DEPTH 975'	12. COUNTY OR PARISH 13. STATE San Juan N.M.
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5939' GR		20. ROTARY OR CABLE TOOLS Rotary
22. APPROX. DATE WORK WILL START* 12-30-72		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8	5 1/2	14	60	10 sacks
4 3/4	2 7/8	6.5	975	100 sacks

Drill well using slim-hole technique to test Fruitland formation. Set 2 7/8" tubing for casing through formation, selectively perforate, frac, clean out, run 1 1/4" tubing, 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. SIGNED Original signed by T. A. Dugan TITLE Engineer DATE 12-28-72

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

All distances must be from the outer boundaries of the Section

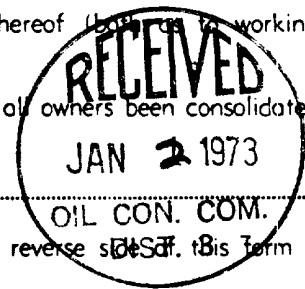
Operator Jerome P. McHugh		Lease Bengal C		DEC 25 1972	Well No. 2
Unit Letter P	Section 25	Township 27 North	Range 13 West	County Santi Juan	
Actual Footage Location of Well:					
790 feet from the South line and		790 feet from the East line			
Ground Level Elev. 5939	Producing Formation Fruitland	Pool Wildcat	Dedicated Average: 160 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 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.

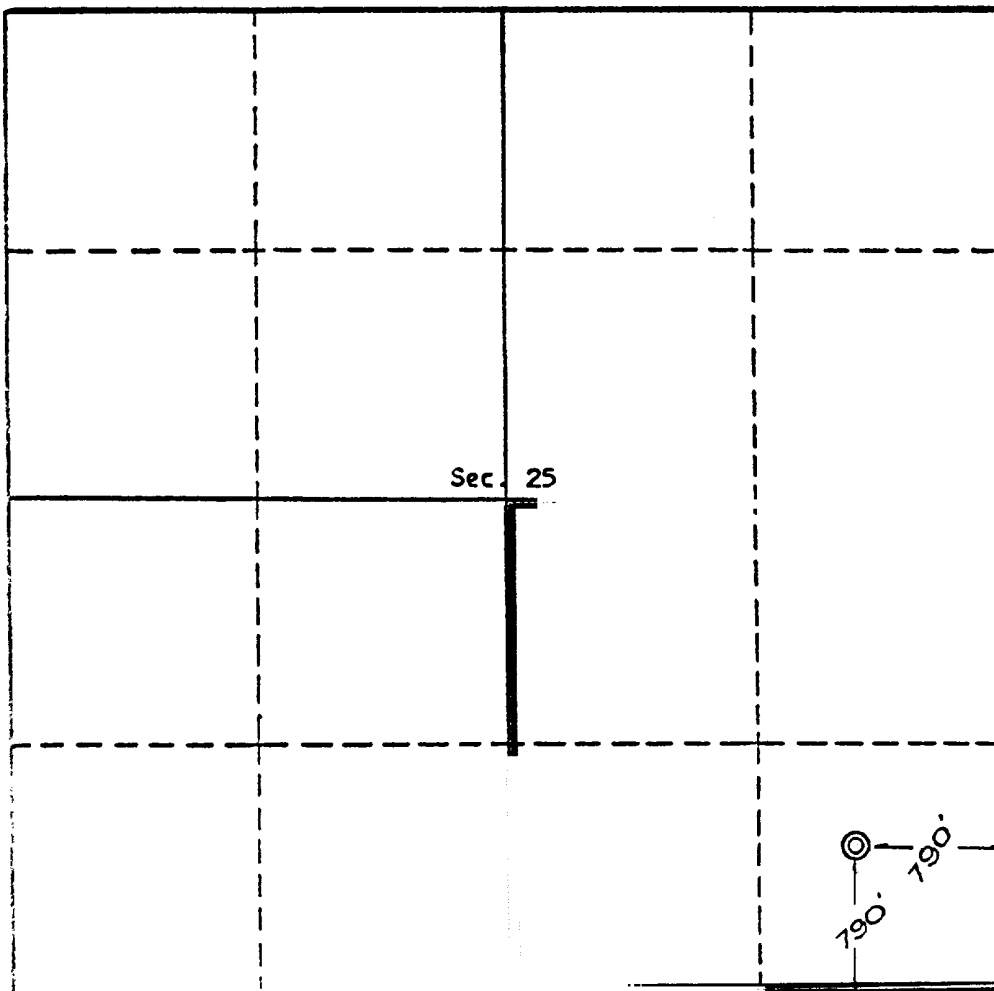
Original signed by T. A. Dugan

Name Thomas A. Dugan
 Position Engineer
 Company Jerome P. McHugh
 Date 12-28-72

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 is true and correct to the best of my knowledge and belief.

Date Surveyed December 24, 1972
 Registered Professional Engineer and/or Land Surveyor

E. V. Echhawk
 Certificate No. 3602
 E. V. Echhawk LS



Scale, 1 inch = 1,000 feet