

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-244-20094

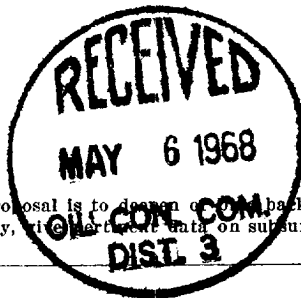
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. Cont. #120		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
2. NAME OF OPERATOR McHugh			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Petroleum Club Bldg., Denver, Colo. 80202			8. FARM OR LEASE NAME Jicarilla		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 940' fml 1070' fwl Sec. 31, T26N, R4W At proposed prod. zone 420' fml			9. WELL NO. 3		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT basin Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 950'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T26N, R4W		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH 13. STATE Rio Arriba N. M.		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 321.60			20. ROTARY OR CABLE TOOLS Rotary		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7625'			22. APPROX. DATE WORK WILL START* 4/6/68		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6673' Gr. 6685' RKB					

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	3 5/8	24#	200'	150 sx.
7 7/8"	4 1/2	10.5 & 11.6#	7625'	1800 cu. ft.

A 12 1/4" hole will be spudded and drilled to 200', 3 5/8" surface casg. will be run and cemented to surface. A 7 7/8" hole will then be drilled to sufficient depth to test the Dakota formation, approx. 7635'. If commercial production is indicated 4 1/2" production casing will then be run and cemented in three stages. The first stage will be cemented w/200 sx.; the second stage through stage tool below Mesa-verde w/600 cu. ft. and the third stage through stage tool below Pictured Cliffs w/900 cu. ft. The Dakota formation will then be SXF, thg. run and the well completed.



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 sub-surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original signed by T. A. Dugan
SIGNED _____ TITLE Consulting Engineer DATE 5/3/68

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *EW* TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAY 3 1968

*See Instructions On Reverse Side

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

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.

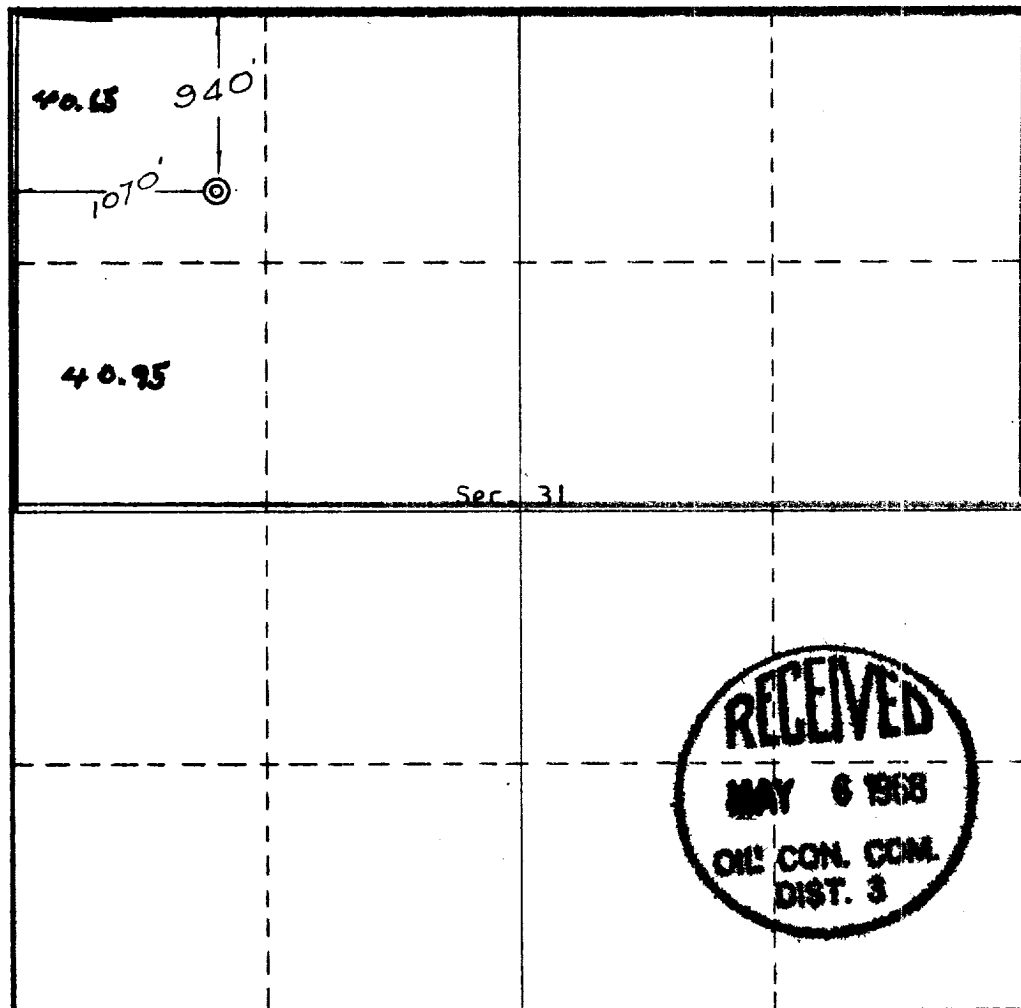
Operator JEROME P. MCHUGH			Lease Hicartilla		Well No. 3
Unit Letter D	Section 31	Township 26 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well:					
940 feet from the North line and		1070 feet from the West line			
Ground Level Elev. 6673	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 321.60 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.



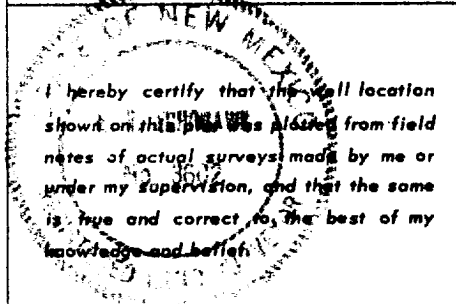
CERTIFICATION

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
Consulting Engineer
Company
Jerome P. McHugh

Date
5/2/68



Date Surveyed
April 4, 1968
Registered Professional Engineer and/or Land Surveyor

E. J. Edwards
Certificate No. **3602**

