

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 12030	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Jerome P. McHugh		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 87401		8. FARM OR LEASE NAME Nassau	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1850' FNL - 1850' FWL At proposed prod. zone		9. WELL NO. 8	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles south of Farmington, NM		10. FIELD AND POOL, OR WILDCAT Undesignated - PC	
16. NO. OF ACRES IN LEASE 640		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 36, T27N, R12W	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		12. COUNTY OR PARISH San Juan	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx 1/2 mile		13. STATE NM	
19. PROPOSED DEPTH 1550'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5977' GR		22. APPROX. DATE WORK WILL START* 3-15-77	

PROPOSED CASING AND CEMENTING PROGRAM

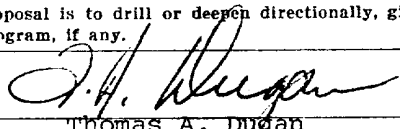
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/4"	5-1/2"	14#	30'	5 sx
4-3/4"	2-7/8"	6.4#	1550'	100 sx

Plan to drill 4-3/4" hole with minimum mud to 1550' 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 2-24-77
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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 Nassau		Well No. 8	
Tract Letter F	Section 36	Township 27 North	Range 12 West	County San Juan	
Actual Footage Location of Well:					
1850 feet from the		North		line and	
1850 feet from the		North		line and	
Producing Formation		Pictured Cliffs		Undesignated	
Ground Level Elev. 5979		Pool		Dedicated Acreage: 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 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.		Name Thomas A. Dugan		Position Petroleum Engineer		Company Jerome P. McHugh		Date 2-24-77	
REGISTERED LAND SURVEYOR		No. 3602		I, _____, of my own free will and location, have on this plat was produced by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.		Date Surveyed February 8, 1977		Registered Professional Engineer and/or Land Surveyor		Certificate No. 3602	
E.V. ECHOHAWK LS											

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-22356

5. LEASE DESIGNATION AND SERIAL NO.

NM 12030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Nassau

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Undesignated - PC

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 36, T27N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

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

1850' FNL - 1850' FWL

At proposed prod. zone

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

18 miles south of Farmington, NM

15. DISTANCE FROM PROPOSED*

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

1850'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

Approx 1/2 mile

19. PROPOSED DEPTH

1550'

20. ROTARY OR CABLE TOOLS

Rotary

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

5977' GR

22. APPROX. DATE WORK WILL START*

3-15-77

23.

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24.

SIGNED

Thomas A. Dugan

TITLE

Petroleum Engineer

DATE

2-24-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

FEB 28 1977

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL

over

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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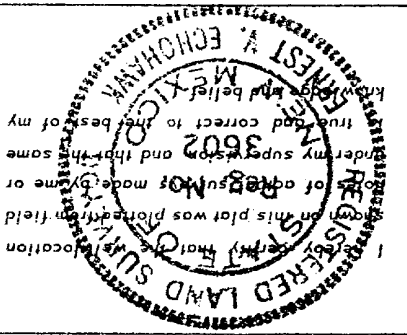
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Thomas A. Dugan

Position

Jerome P. McHugh
Company

Date 2-24-77



Date Surveyed February 8, 1977

Registered Professional Engineer
and/or Land Surveyor

Certificate No. 3602

E.V.ECHOHAWK LS

