

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-22339

5. LEASE DESIGNATION AND SERIAL NO.

Contract #120

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla

9. WELL NO.

#3E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec 31 T26N R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE  
NM17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 N/321.60

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

ASAP

## 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 208, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)

At surface

1600' FNL - 1650' FEL

At proposed prod. zone

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

Approx. 40 miles southeast of Bloomfield, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1600'

18. DISTANCE FROM PROPOSED LOCATION\*

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

2560'

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

7670'

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

6710' GL

23.

## PROPOSED CASING AND CEMENTING PROGRAM

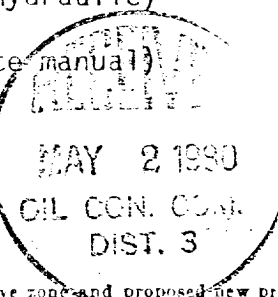
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT  |
|--------------|----------------|-----------------|---------------|---------------------|
| 12-1/4"      | 8-5/8"         | 24#             | 250'          | 150 sx circulate    |
| 7-7/8"       | 4-1/2"         | 11.6 & 10.5     | 7670'         | 1025 sx in 3 stages |

Plan to drill with mud to test the Basin Dakota Formation. Plan to run IES log to TD. If productive, plan to set 4-1/2" casing, cement in three stages, selectively perforate, frac, clean out after frac, run 1-1/2" tbg and complete well.

Plan to use BOP furnished by rig while drilling (10" 3000 psi hydraulic)

Plan to use BOP rental while completing (6" 3000 psi double gate manual)

NMERB: Gas Dedicated.



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

Jim L. Jacobs

TITLE

Agent

DATE

3-25-80

(This space for Federal or State office use)

PERMIT NO.

APPROVED  
AS AMENDED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

JAMES F. SIMS  
DISTRICT ENGINEER

TITLE

DATE

\*See Instructions On Reverse Side

## WELL LOCATION AND ACREAGE DEDICATION PLAT

SUPERVISOR'S OFFICE  
Effective 1-1-55

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

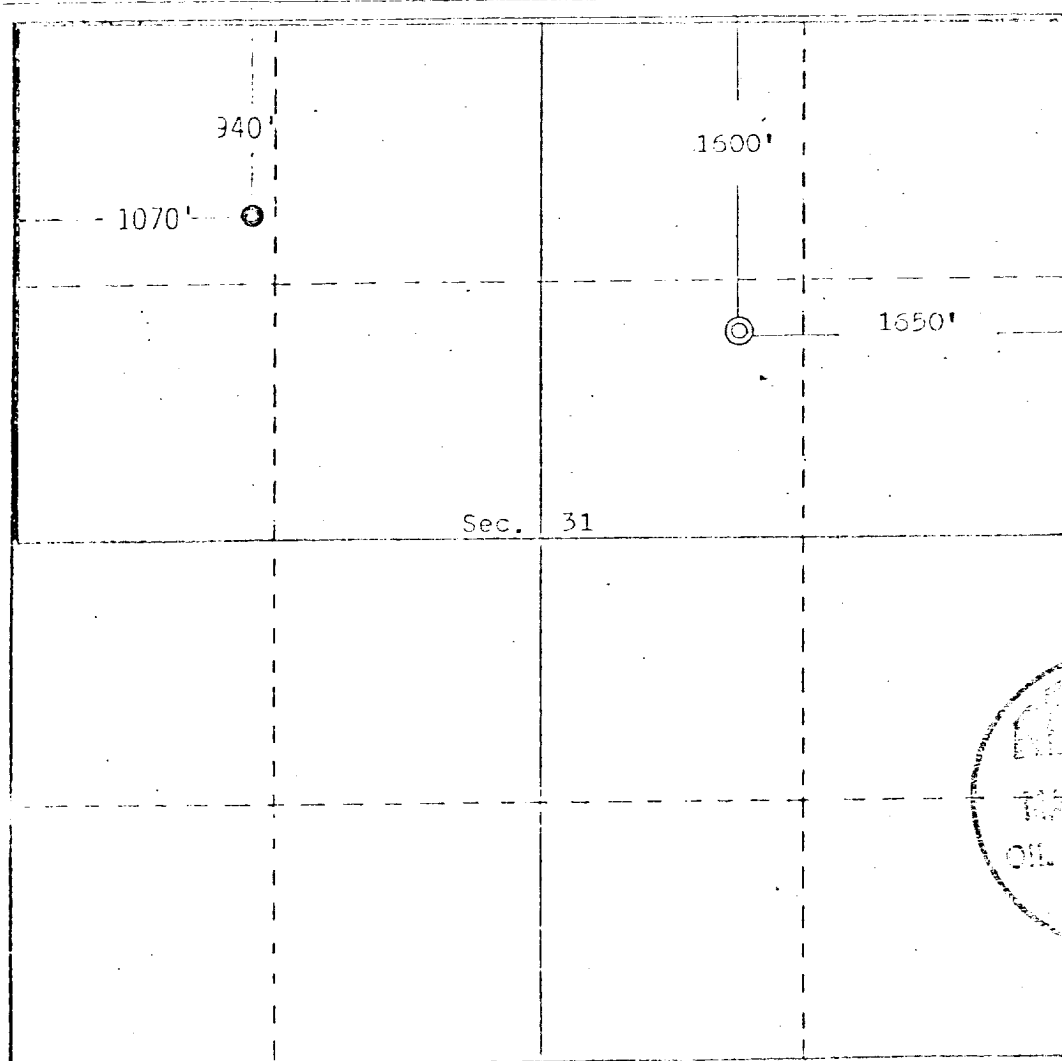
|                                   |                               |                       |                           |                      |
|-----------------------------------|-------------------------------|-----------------------|---------------------------|----------------------|
| Owner<br>Jerome P. McHugh         |                               | Locality<br>Jicarilla |                           | Well No.<br>3E       |
| Section<br>6                      | Section<br>31                 | Township<br>26 North  | Range<br>4 West           | County<br>Rio Arriba |
| Actual Ecologic Location of Well: |                               |                       |                           |                      |
| 1600                              | feet from the                 | North                 | line and                  | 1650                 |
|                                   |                               |                       |                           | feet from the        |
|                                   |                               |                       |                           | East                 |
| Ground Level Elev.<br>6710        | Producing Formation<br>Dakota | Pool<br>Basin         | Dedicated Acreage:<br>320 |                      |

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 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  
Jim L. Jacobs

Position  
Agent

Company  
Jerome P. McHugh

Date  
3-25-80

EDGAR L. RISENHOOVER  
NEW MEXICO  
5779  
I have examined the location shown on this plat and find it correct to the best of my knowledge and belief.  
MARCH 21 1980  
OIL & GAS COM.  
Date Surveyed  
March 22, 1980  
Registered Professional Engineer  
and/or Land Surveyor

Edgar L. Risenhoover  
Certificate No. 5979  
Edgar L. Risenhoover, L.S.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

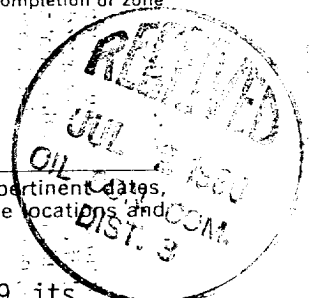
1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR  
Jerome P. McHugh
3. ADDRESS OF OPERATOR  
Box 208, Farmington, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1600' FNL - 1650' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
- |                              |                          |                          |
|------------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF          | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT               | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE             | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL                  | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING         | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE            | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES                 | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*                     | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) spud and surface csg |                          |                          |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

6-18-80 Spudded 12-1/4" hole @ 12:30 p.m. Drld to 290'. Ran 9 jts  
8-5/8" 24# 8R ST&C csg. TE 269.31' set @ 281'. Cemented w/150  
sx class "B" plus 2% CaCl. POB @ 2:30 a.m. 6-19-80.  
Cement circulated.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



ACCEPTED FOR RECORD

JUN 22 1980

FARMINGTON DISTRICT

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ BY EEM Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Thomas A. Dugan TITLE Agent DATE 6-23-80

(This space for Federal or State office use)

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

10000

Form 9-331  
Dec. 1973UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYForm Approved.  
Budget Bureau No. 42-R1424

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐2. NAME OF OPERATOR  
Jerome P. McHugh3. ADDRESS OF OPERATOR  
Box 208, Farmington, NM 874014. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1600' FNL - 1650' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: |                          | SUBSEQUENT REPORT OF:    |
|--------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF      | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT           | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE         | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL              | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING     | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE        | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES             | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*                 | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) CSG              | <input type="checkbox"/> | <input type="checkbox"/> |

5. LEASE

Contract #120

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla

9. WELL NO.

#3E

10. FIELD OR WILDCAT NAME

Basin Dakota

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

Sec 31 T26N R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DE, KDB, AND WD)  
6710' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 7680'. Finished laying down drill pipe. Rigged up and ran 180 jts 4-1/2" OD csg. (as follows: 25 jts 4-1/2" OD 11.60# K-55 LT&C 8R and 155 jts 4-1/2" OD 10.5# K-55 ST&C 8R csg). TE 7685.79' set @ 7682' RKB. Cemented 1st stage by HOWCO w/400 gals mud flush followed by 200 sx class "B" plus 8% gel and 150 sx class "B" w/7-1/2% salt per sx. Total slurry 555 cu ft. Reciprocated pipe OK while cementing. Had full mud returns throughout job. Job complete @ 3:10 p.m. 7-2-80.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED

Thomas A. Dugan

TITLE

Agent

DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Set @

Ft.

ACCEPTED FOR RECORD  
JUL 11 1980  
FARMINGTON DISTRICT

Opened stage tool @ 5693'. Circulated w/rig pump three hours. Circulated out show cement. Cemented 2nd stage w/400 gal mud flush followed by 250 sx 65-35 plus 12% gel w/1/4# flocele per sx and 50 sx class "B" w/1/4# flocele per sx. Total slurry 773 cu ft. Job complete @ 7:00 p.m. 6-2-80. Full mud returns throughout job. Opened stage tool @ 3335'. Circulated w/rig pump three hours. Cemented 3rd stage w/375 sx 65-35 plus 12% gel and 1/4# flocele per sx followed by 50 sx class "B" w/1/4# flocele per sx. Total slurry 1041 cu ft. Good mud returns throughout job. POB 11:00 p.m. 6-2-80. Estimated cement top 500'. Nippled down BOP set 4-1/2" csg slips. Cut off csg. Released rig @ 4:00 p.m. 7-3-80