

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 ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☒

2. NAME OF OPERATOR  
SHERMAN F. WAGENSELLER

3. ADDRESS OF OPERATOR  
BRANA CORPORATION, 1223 First Interstate Bldg, Albuquerque, NM 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 790' fsl and 790' fel

At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
5 miles SW of Lindrith, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
790'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2280

19. PROPOSED DEPTH  
3200

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7360 gr.

23. PROPOSED DRILLING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH |
|--------------|----------------|-----------------|---------------|
| 11 1/2"      | 8 5/8"         | 32#-J           | 100'          |
| 6 1/4"       | 4 1/2"         | 11#-K           | 3200          |

Plan to spud 11 1/2" hole and drill to 110' and set 100' of 8 5/8" casing and cement with 35 CF of cement. Drill 6 1/4" hole to 3200' or sufficient depth to test the Pictured Cliffs formation and run appropriate logs. If production is indicated, 4 1/2" casing will be run to total depth, cemented with 360 CF of cement, perforate and stimulate. Will run 2 3/8" tubing. 10" Schaffer Double gate hydraulic BOP tested to 3000 psi will be on well during all drilling operations.

Important geologic markers and depths expected: Ojo Alamo 2650, Kirtland, 2730, Fruitland 2940 and Pictured Cliffs 3020.

30 039-23299

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla

7. UNIT AGREEMENT NAME  
Contract #162

8. FARM OR LEASE NAME  
Mobil Apache

9. WELL NO.  
20

10. FIELD AND POOL, OR WILDCAT  
South Blanco PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
P 17-23N-2W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
NM

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
September 6, 1983

This action is subject to administrative appeal pursuant to 30 CFR 290.

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.

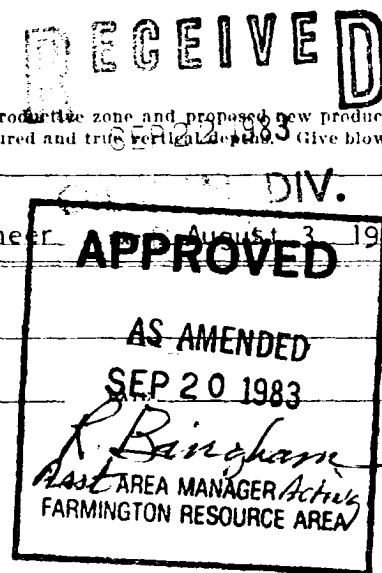
24. SIGNED *Morris B. Jones* BRANA CORPORATION  
TITLE Morris B. Jones, Engineer

(This space for Federal or State Office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:



## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

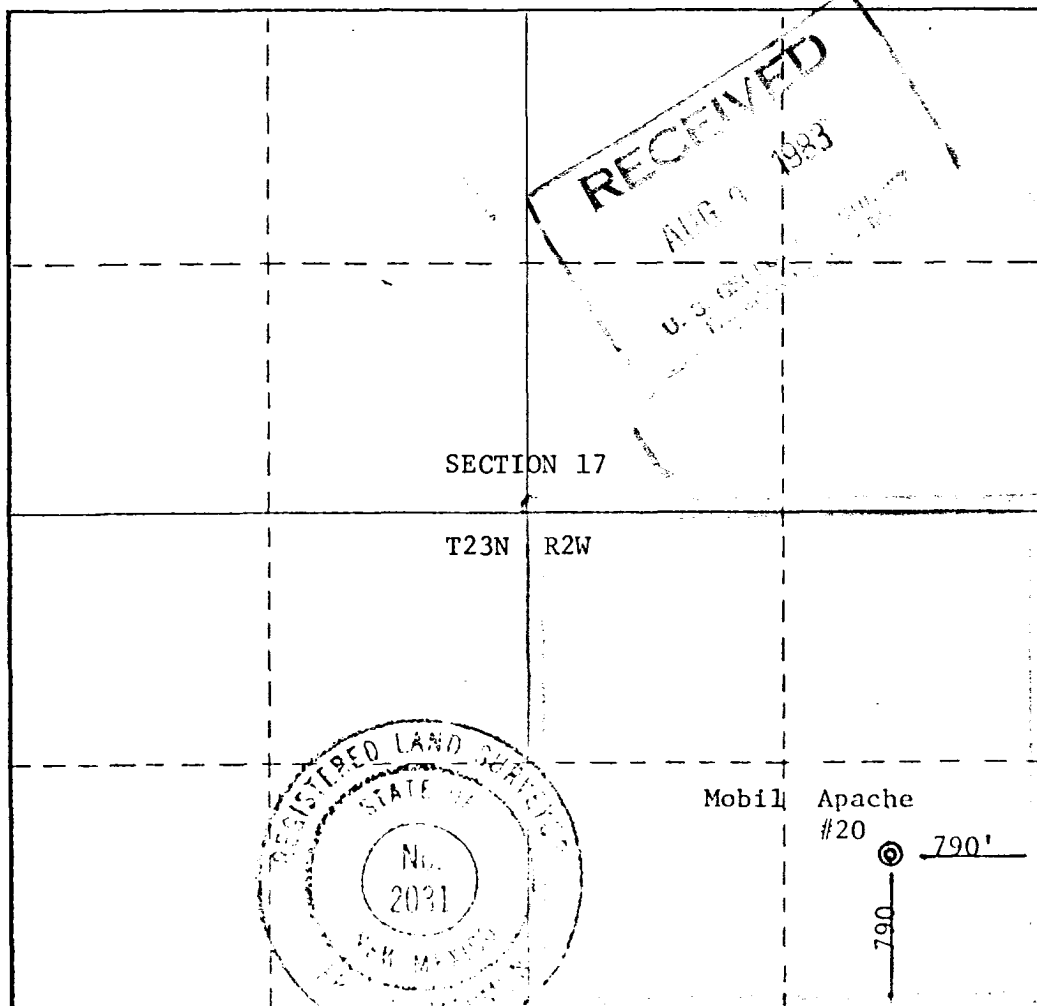
|  |   |                              |   |                             |
|--|---|------------------------------|---|-----------------------------|
| Operator<br><b>SHERMAN F. WAGENSELLER</b>  |   | Lease<br><b>Mobil Apache</b> |   | Well No.<br><b>#20</b>      |
| Unit Letter<br><b>P</b>  | Section<br><b>17</b>                          | Township<br><b>T. 23 W.</b>  | Range<br><b>R. 2 W.</b>                   | County<br><b>Rio Arriba</b> |
| Actual Footage Location of Well:<br><b>790</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>East</b> line |   |                              |   |                             |
| Ground Level Elev.<br><b>7360</b>  | Producing Formation<br><b>Pictured Cliffs</b> | Pool<br><b>South Blanco</b>  | Dedicated Acreage:<br><b>160.00</b> 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. (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.

*Morris B. Jones*  
Morris B. Jones, Engineer

Position

BRANA CORPORATION

Company

August 5, 1983

Date

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

August 02, 1983

Registered Professional Engineer and/or Land Surveyor

Fred Marmon

*Fred Marmon*

Certificate No.

2031

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

