

Drawer DD

Artesia, N.M.

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

Marbob Energy Corporation

JUN 16 1983

## 3. ADDRESS OF OPERATOR

P.O. Drawer 217, Artesia, N.M. 88210

O. C. D.

## 4. LOCATION OF WELL (Report location clearly and in accordance with any ARTESIA OFFICE\*)

At surface

990 FSL 990 FEL

At proposed prod. zone

Same

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

20 air miles east of Artesia, N.M.

## 15. DISTANCE FROM PROPOSED\*

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

990'

## 16. NO. OF ACRES IN LEASE

600

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

350'

## 19. PROPOSED DEPTH

3500'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3557.7' GR

## 22. APPROX. DATE WORK WILL START\*

6/1/83

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT      |
|--------------|----------------|-----------------|---------------|-------------------------|
| 11"          | 8 5/8"         | 24#             | 350'          | Sufficient to circulate |
| 7 7/8"       | 5 1/2"         | 15.50#          | 3500'         | Sufficient to circulate |

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Location & acreage dedication plat  
2. Supplemental drilling data  
3. Surface use plan

R

MAY 20 1983

OIL &amp; GAS

ROSWELL, NEW MEXICO

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

TITLE

Production Clerk

DATE

5/18/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

6/8/83

CONDITIONS OF APPROVAL, IF ANY:

**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

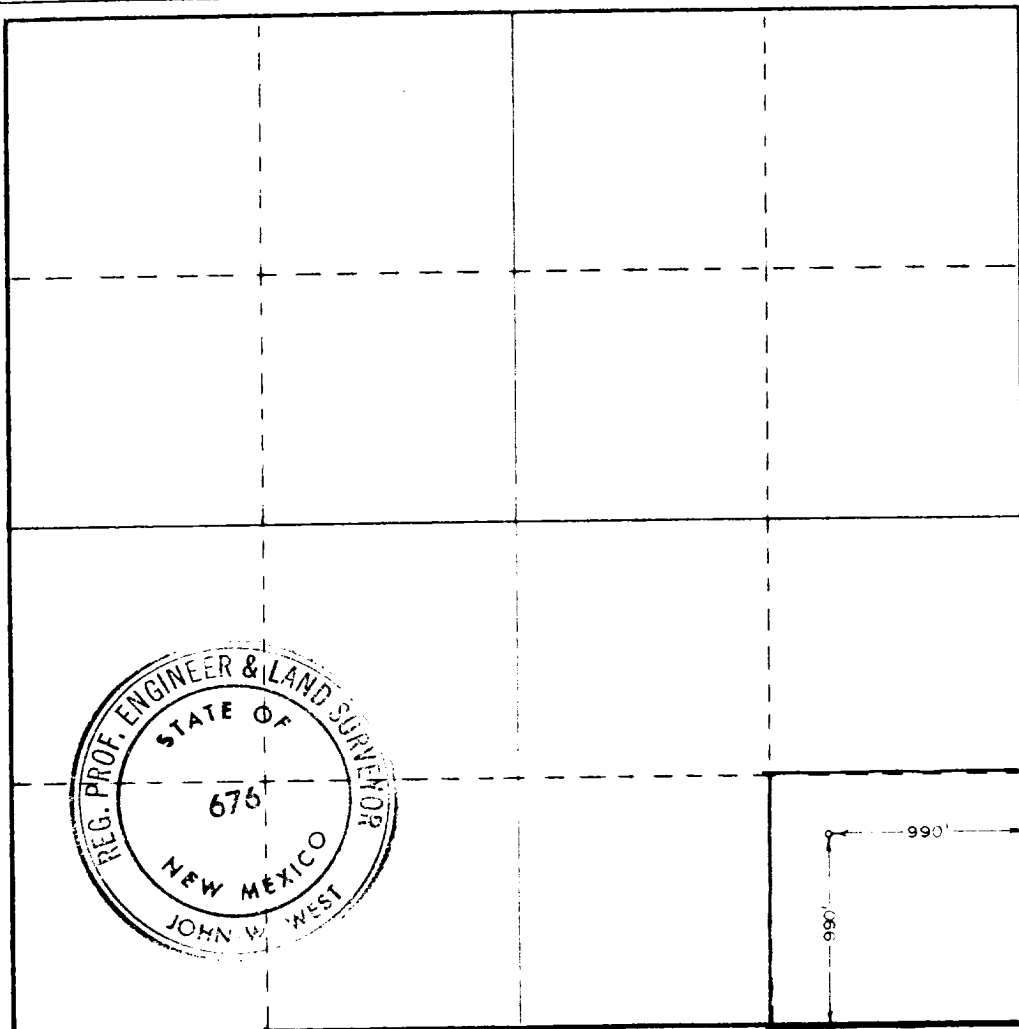
|                                                                                                                              |                                          |                             |                                 |                       |                                       |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|---------------------------------|-----------------------|---------------------------------------|
| Operator<br><b>MARBOB ENERGY CORPORATION</b>                                                                                 |                                          |                             | Lease<br><b>M. DODD "A"</b>     |                       | Well No.<br><b>23</b>                 |
| Unit Letter<br><b>P</b>                                                                                                      | Section<br><b>22</b>                     | Township<br><b>17 SOUTH</b> | Range<br><b>29 EAST</b>         | County<br><b>EDDY</b> |                                       |
| Actual Footage Location of Well:<br><b>990</b> feet from the <b>SOUTH</b> line and <b>990</b> feet from the <b>EAST</b> line |                                          |                             |                                 |                       |                                       |
| Ground Level Elev.<br><b>3557.7</b>                                                                                          | Producing Formation<br><b>San Andres</b> |                             | Pool<br><b>Grayburg Jackson</b> |                       | Dedicated Acreage:<br><b>40</b> Acres |

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.

*Carolyn Orris*

Name

**Carolyn Orris**

Position

**Production Clerk**

Company

**Marbob Energy Corporation**

Date

**5/18/83**

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

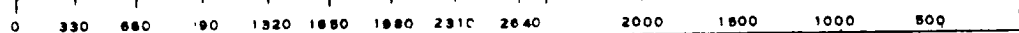
**2/10/83**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No

**JOHN W. WEST NO. 676**



SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION  
WELL #23 M. DODD A FEDERAL  
990' FSL & 990 FEL SEC. 22-17S-29E  
EDDY COUNTY, NEW MEXICO  
(DEVELOPMENT WELL)

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

|              |       |            |       |
|--------------|-------|------------|-------|
| Salt         | 360'  | Queen      | 1815' |
| Base Salt    | 780'  | Grayburg   | 2140' |
| Yates        | 930'  | San Andres | 2510' |
| Seven Rivers | 1145' | Glorietta  | 3900' |

3. ANTICIPATED POROSITY ZONES:

|       |              |
|-------|--------------|
| Water | Above 180'   |
| Oil   | 2350 - 3500' |

4. CASING DESIGN:

| SIZE   | INTERVAL | WEIGHT | GRADE | JOINT | CONDITION |
|--------|----------|--------|-------|-------|-----------|
| 8 5/8" | 0-350'   | 24.0#  | K-55  | STC   | New       |
| 5 1/2" | 0-3500'  | 15.5#  | K-55  | STC   | New       |

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used.

6. CIRCULATING MEDIUM:

|              |                                                                                           |
|--------------|-------------------------------------------------------------------------------------------|
| 0 - 350'     | Fresh water mud with gel or lime as needed for viscosity control.                         |
| 350' - 3500' | Salt water mud, conditioned as necessary for control of viscosity and water loss or gain. |

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about June 1, 1983. Duration of drilling, testing and completion operations should be one to four weeks.

T 15 S

AVES COUNTY  
ODY COUNTY

R 28 E

R 29 E

T 16 S

MP- 1.7  
START

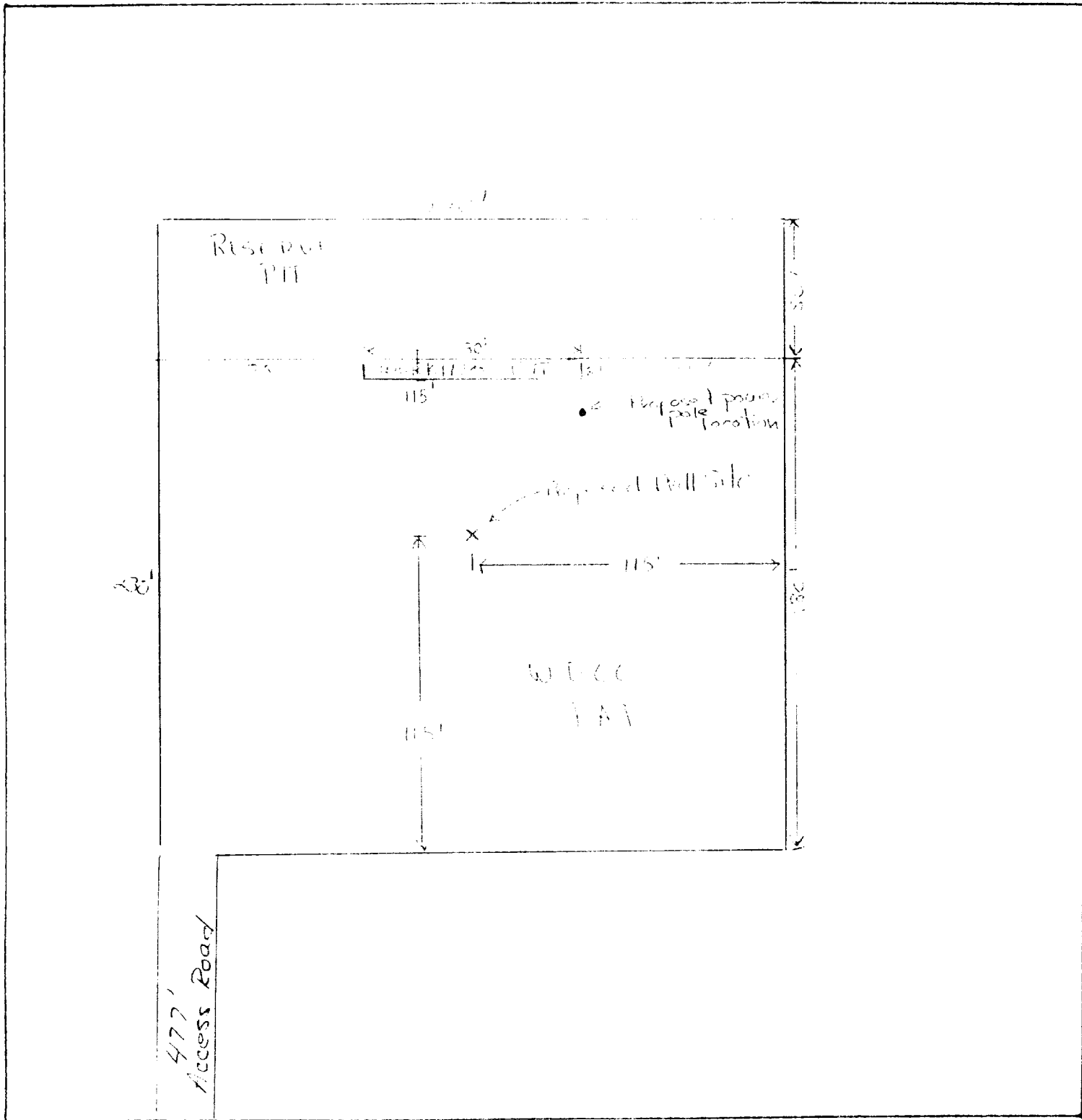
T 17 S

WELLSITE

TO ARTESIA

T 18 S

SECTION 17, T17S, R29E, COUNTY MAP  
Marbob Energy Corporation  
Well #23 M. Dodd A Federal  
SEISE# Sec. 27-17S-29E



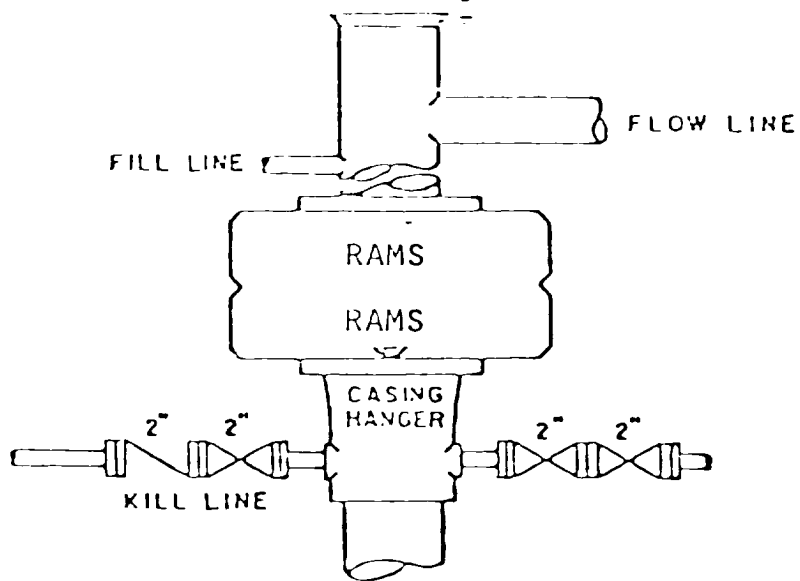
SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD

Marbob Energy Corporation

Well #23 M. Dodd A Federal

SE1/4 Sec. 22-17S-29E



BOP STACK

BOP ARRANGEMENT