

30-015-24353  
C/S

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEENED ☒ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
MARBOB ENERGY CORPORATION

3. ADDRESS OF OPERATOR  
P. O. Drawer 217, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 2310' FSL & 330' FEL of Section (NE 1/4 SE 1/4) (Unit I)  
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
20 air miles east of Artesia, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
330'

16. NO. OF ACRES IN LEASE  
600

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
462'

19. PROPOSED DEPTH  
4000' San Andres

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3591' G.L.

22. APPROX. DATE WORK WILL START\*  
Upon approval

5. LEASE DESIGNATION AND SERIAL NO.  
L.C. 028731(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
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7. UNIT AGREEMENT NAME  
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8. FARM OR LEASE NAME  
DODD "A" FEDERAL

9. WELL NO.  
22

10. FIELD AND POOL, OR WILDCAT  
Grayburg-Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 22-17S-29E

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24.0#	350'	Sufficient to circulate
7 7/8"	5 1/2"	15.5#	4000'	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

RECEIVED

NOV 30 1982

OIL & GAS  
MINE & MINING SERVICE  
ALBUQUERQUE, 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 James A. Gillham TITLE Agent DATE November 8, 1982

(This space for Federal or State office use)  
(Orig. Sgd.) GEORGE H. STEWART

PERMIT NO. DEC 3 1982 APPROVAL DATE \_\_\_\_\_

APPROVED BY JAMES A. GILLHAM TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL \_\_\_\_\_  
DISTRICT SUPERVISOR

Posted C.P.S.  
FD-1 & H.P. Book  
12-17-82

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-101  
Supersedes O-128  
Effective 10-65

All distances must be from the outer boundaries of the Section

Owner <b>MARBOB ENERGY CORPORATION</b>		Lease <b>DODD "A" FEDERAL</b>		Well No. <b>22</b>
Section <b>I</b>	Section <b>22</b>	Township <b>17S</b>	Range <b>29E</b>	County <b>EDDY</b>
Distance from the corner of the well:				
<b>2310</b>	feet from the <b>SOUTH</b>	line and	<b>330</b>	feet from the <b>EAST</b>
Producing Form <b>3591.4</b>	Producing Formation <b>San Andres</b>	Pool <b>Grayburg-Jackson</b>	Distance to A target <b>40</b>	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat shown.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 (on reverse side of this form if necessary.) \_\_\_\_\_

What acreage will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

**ENGINEER & LAND SURVEYOR**  
**STATE OF NEW MEXICO**  
**676**  
**JOHN W. WEST**

**330'**  
**2310'**

CERTIFICATION

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

*James A. Knauf*  
**James A. Knauf**

Position  
**Agent**

Company  
**MARBOB ENERGY CORPORATION**

Date  
**November 8, 1982**

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  
**10/18/82**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 2863**

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION  
WELL #22 DODD "A" FEDERAL  
NE $\frac{1}{4}$ SE $\frac{1}{4}$  SEC. 22-17S-29E  
EDDY COUNTY, NEW MEXICO

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:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
8 5/8"	0 - 350'	24.0#	K-55	STC	New
5 1/2"	0 - 4000'	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.

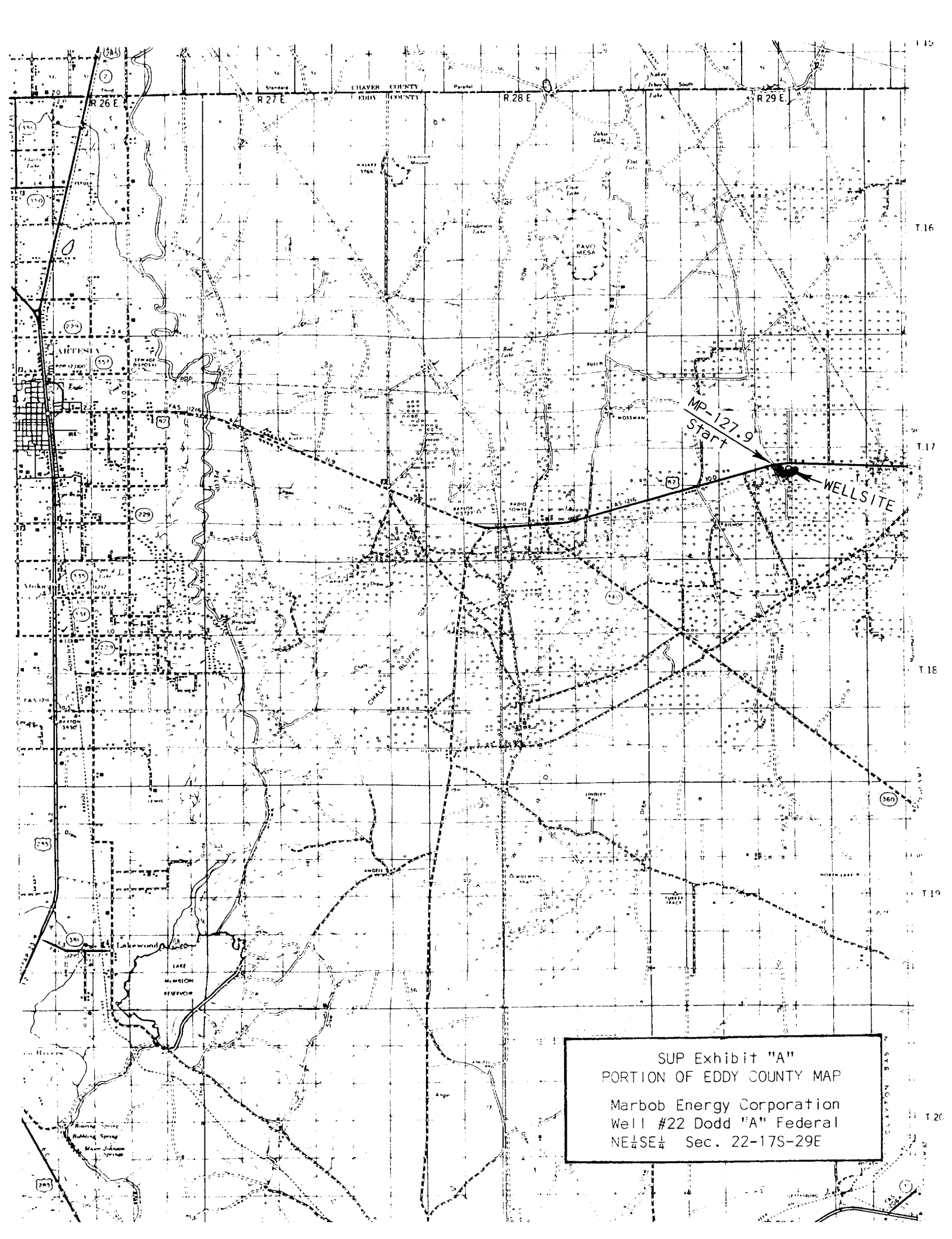
350 - 4000' Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

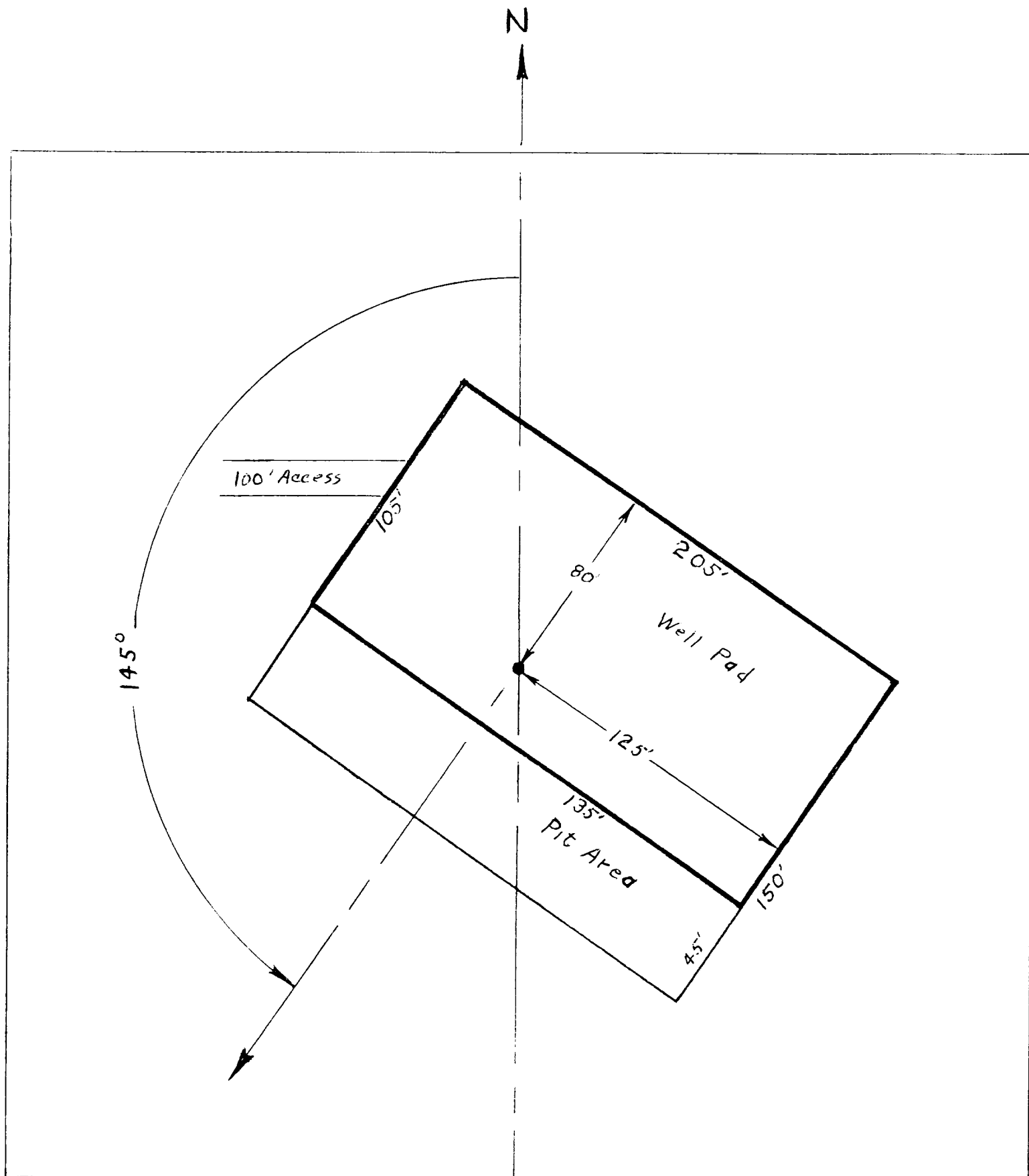
8. LOGGING PROGRAM: CNL-FDC w/GR Log will be run to TD.

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

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about December 2, 1982. Duration of drilling, testing and completion operations should be one to four weeks.



SUP Exhibit "A"  
PORTION OF EDDY COUNTY MAP  
Marbob Energy Corporation  
Well #22 Dodd "A" Federal  
NE  $\frac{1}{4}$  SE  $\frac{1}{4}$  Sec. 22-17S-29E



Well pad and pit were reduced in size and rotated 145° counter-clockwise to minimize the area of disturbance.

SUP Exhibit "D"  
SKETCH OF WELL PAD

Marbob Energy Corporation  
Well #22 Dodd "A" Federal  
NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 22-17S-29E