30-015-25175 cp

Form approved.
Budget Bureau No. 42-R1425.

(May 1963)

RECEIVED
FEB 7 1985
O. C. D.
ARTESIA, OFFICE

N.M. OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Marbob Energy Corporation

3. ADDRESS OF OPERATOR: P.O. Drawer 217, Artesia, N.M. 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2310 FNL 25 FWL
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: LC-028731(B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: M. Dodd "B"

9. WELL NO.: 46

10. FIELD AND POOL, OR WILDCAT: Grbg Jackson SR Q G SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 14-T17S-R29E

12. COUNTY OR PARISH: Eddy

13. STATE: N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 20 air miles east of Artesia, N.M. 88210

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
25'	1480	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	3450'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3603.1' GR

22. APPROX. DATE WORK WILL START*:

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#	350'	Sufficient to circulate
7 7/8"	5 1/2"	15.50#	3450'	450 sax, to base of salt

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

Posted TD 1 APD on NL 2-15-85

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 Carolyn Russell TITLE Production Clerk DATE 12/14/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 2-6-85

CONDITIONS OF APPROVAL, IF ANY:

Subject to Like Approval by State

Unorthodox location

*See Instructions On Reverse Side

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

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	Lease	Well No.
Marbob Energy Corp.	M. Dodd "B"	46

Unit Letter	Section	Township	Range	County
E	14	17 South	29 East	Eddy

Actual Footage Location of Well:
2310 feet from the north line and 25 feet from the west line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3603.1'	*San Andres*	*Grbg Jackson SR Qn Grbg SA*	*40* Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

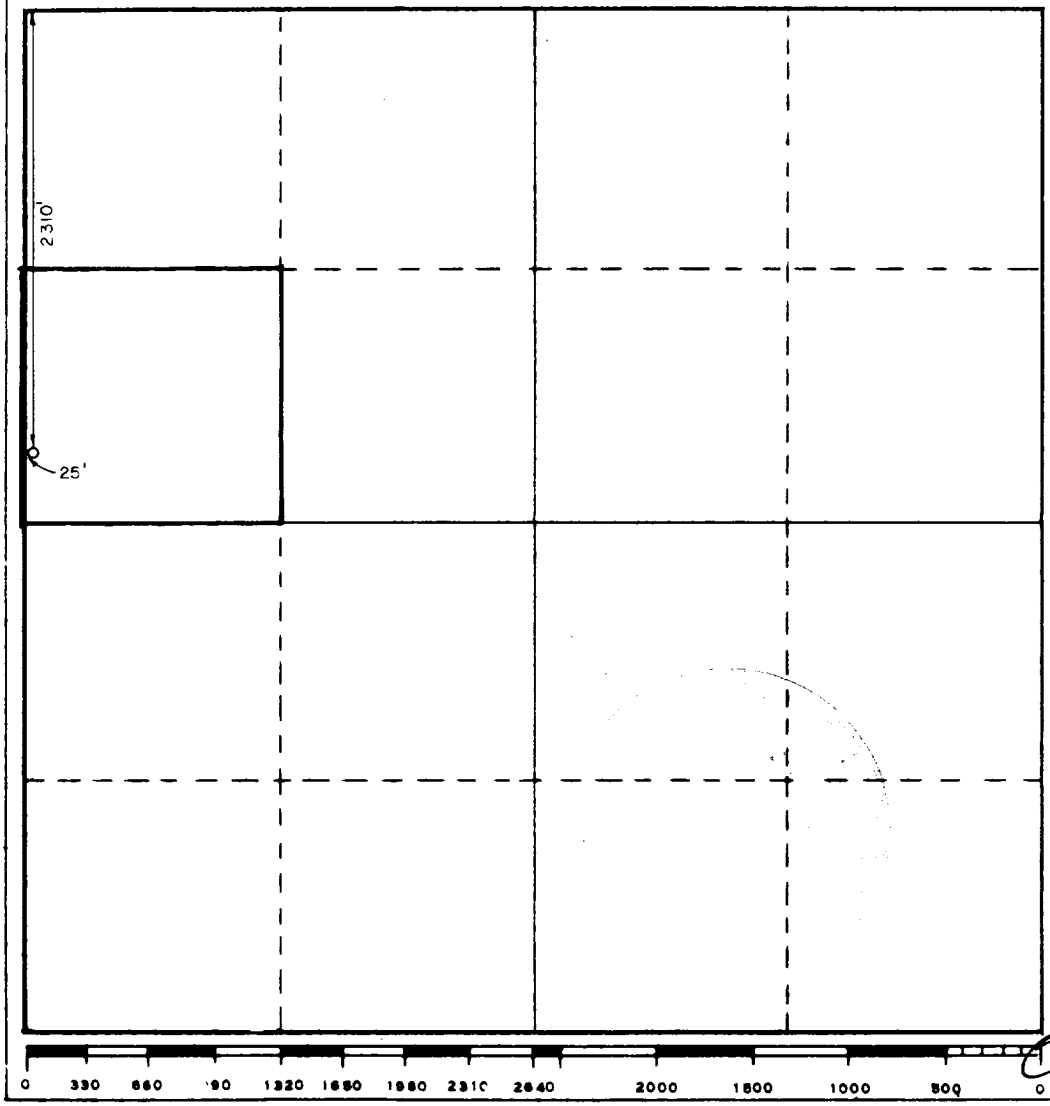
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

Carolyn Purcella

Name
Carolyn Purcella

Position
Production Clerk

Company
Marbob Energy Corporation

Date
12/14/84

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
September 25, 1984

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

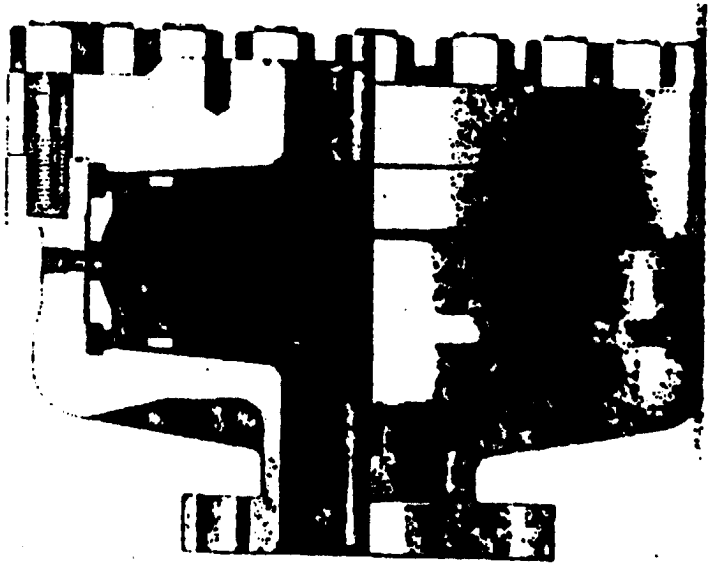
EXHIBIT "F"

REGAN OFFSHORE INTERNATIONAL, INC. Torrance,

ANNULAR

REGAN BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 3000 PSI working pressure



TORUS BLOWOUT PREVENTER
PATENTED

DESIGN FEATURES

a. The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.

b. The rubber packer will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner bore.

c. The packer will seal in open hole at full working pressure.

d. The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the well bore. Under ordinary service, the outer packer is rarely replaced.

SPECIFICATIONS

Nominal Size	Test Pressure (psi)	DIMENSIONS (In.) Outside Diameter	Thru Bore	Overall Height	Weight (lb.)	End Flanges (1)	R/RX Ring Grooves	Side Outlet
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	2" L.P.
8	3000	14	9	25	1425	[illegible]	52	[illegible]

SUP Exhibit "F"

REGAN BLOWOUT PREVENTER

Marbob Energy Corporation

Well #46 M. Dodd "B" Federal

SW¼NW¼ Sec. 14-17S-29E.

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #46 M. DODD "F" FEDERAL
SW1/4 NW1/4 SEC. 14-17S-28E
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 - 3450'

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-350'	24.0#	K-55	STC	New
5 1/2"	0-3450'	15.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "F")

6. CIRCULATING MEDIUM:

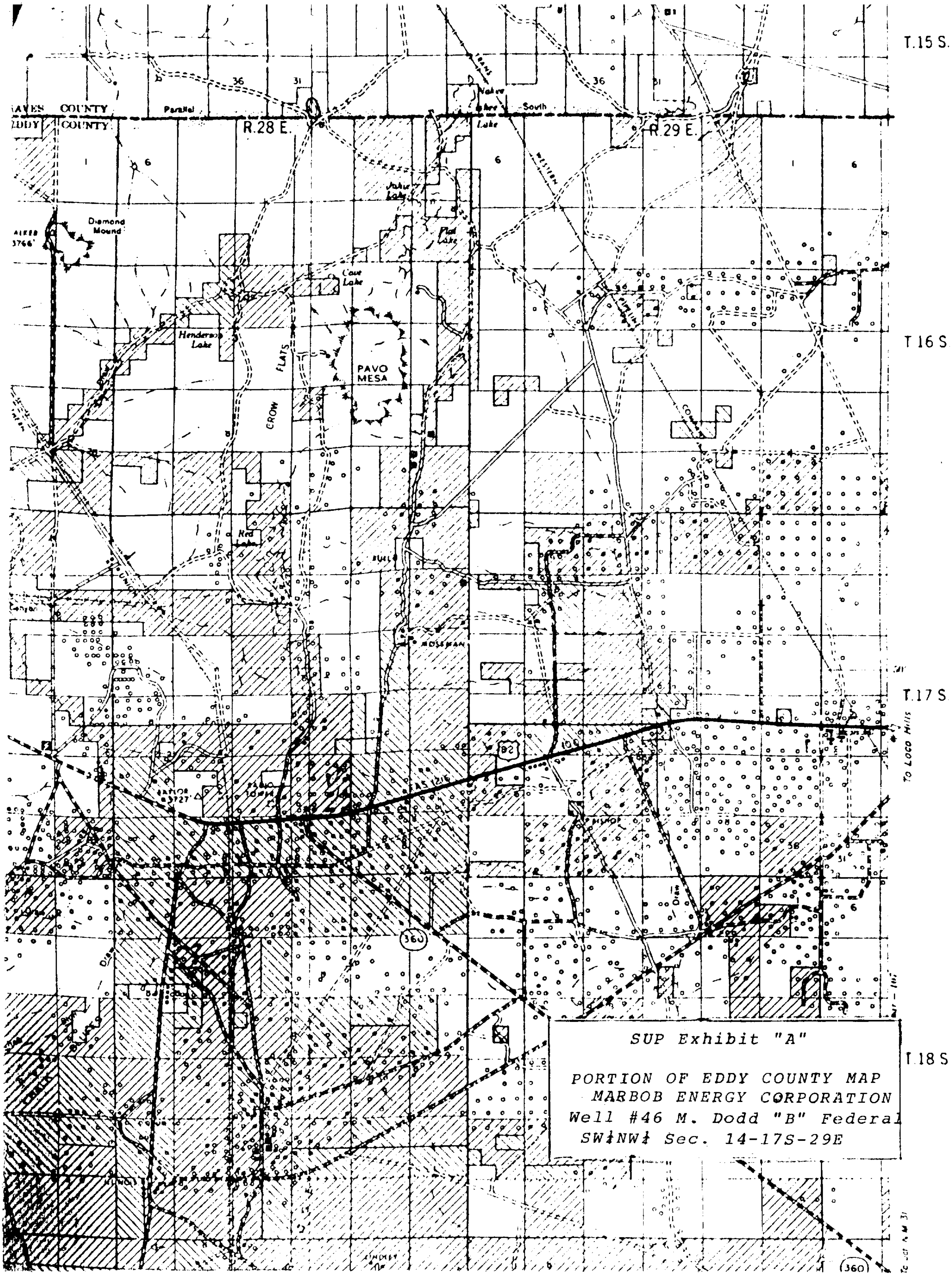
0 - 350'	Fresh water mud with gel or lime as needed for viscosity control.
350'- 3450'	Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

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

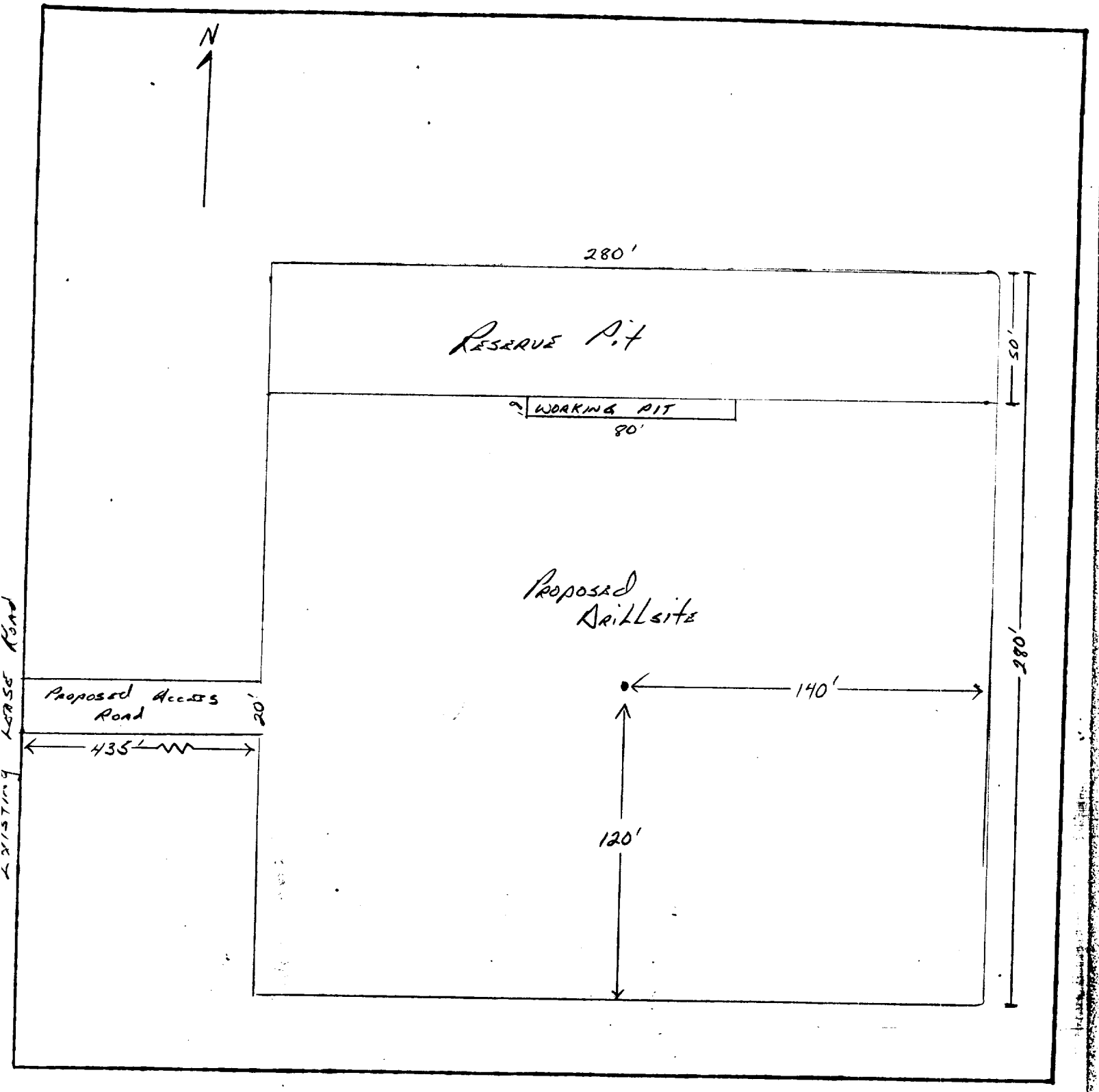
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about January 20, 1985. 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 #46 M. Dodd "B" Federal
SW¼NW¼ Sec. 14-17S-29E



LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD
MARBOB ENERGY CORPORATION
Well #46 M. Dodd "B" Federal
SW¼NW¼ Sec. 14-17S-29E