

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

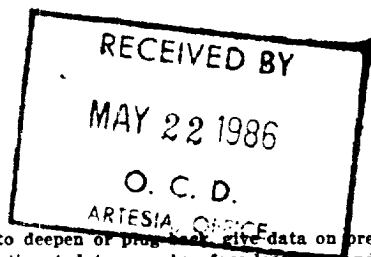
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. LC-028731 (A)		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Marbob Energy Corporation			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. Drawer 217, Artesia, NM 88210			8. FARM OR LEASE NAME M. Dodd "A"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330 FSL 2410 FEL			9. WELL NO. 38		
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 air miles east of Artesia, NM 88210			11. FIELD AND POOL, OR WILDCAT Grbg Jackson SR O Gb SA		
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			13. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22-T17S-R29E		
14. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 500'			15. NO. OF ACRES IN LEASE 600		
16. ELEVATIONS (Show whether DF, RT, GR, etc.) 3550.0' GR			17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
18. PROPOSED CASING AND CEMENTING PROGRAM			19. ROTARY OR CABLE TOOLS Rotary		
20. APPROX. DATE WORK WILL START* May 5, 1986			21. COUNTY OR PARISH Eddy		
22. STATE NM			23. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 500'		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	350' 300'	Sufficient to circulate
7 7/8"	5 1/2"	15.50#	4500'	1500 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 NL,
API, ID-1
5-29-86

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 Donette Wallace TITLE Production Clerk DATE 4/29/86
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 5-19-86
CONDITIONS OF APPROVAL, IF ANY: _____

Subject to
Like Approval
by State
115L-2168
5-16-86
*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-11
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

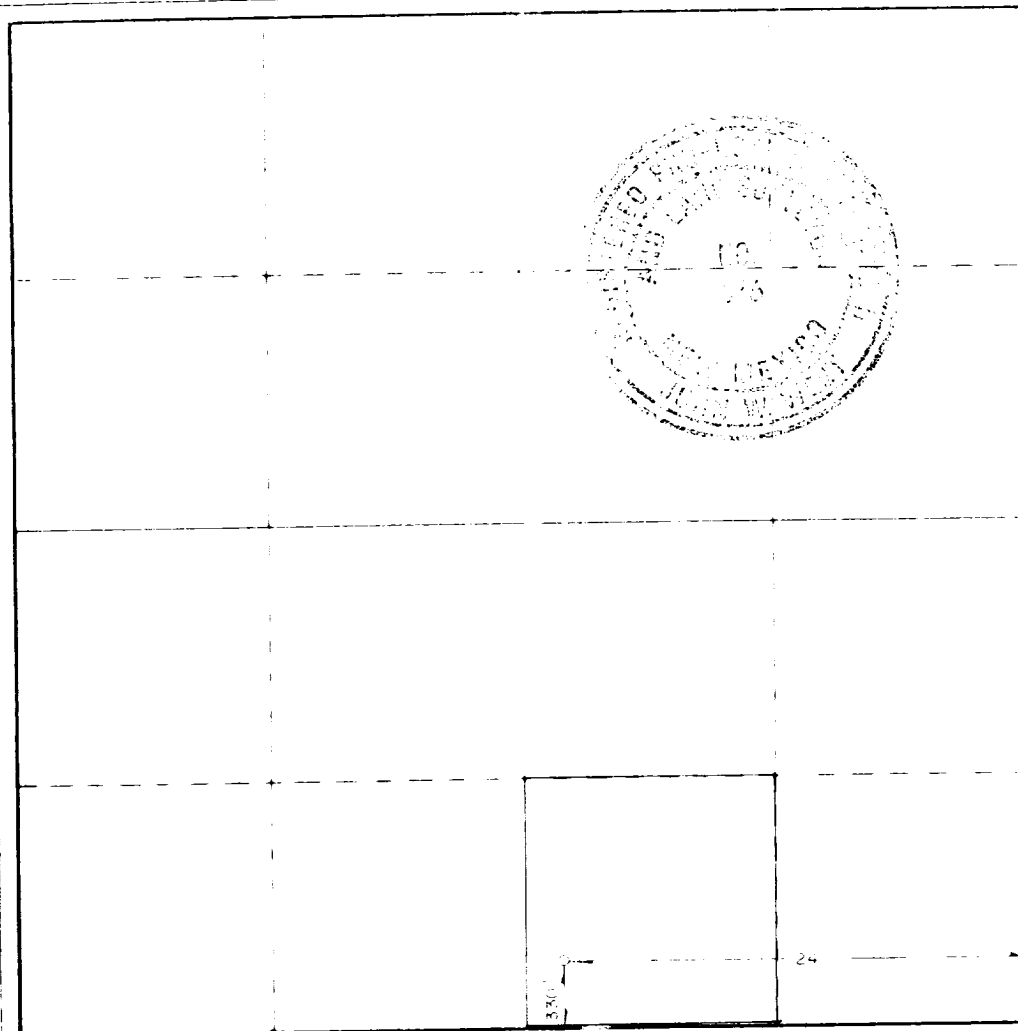
Section		Amended		Purpose	
San Andres		Grbg Jackson SR Q Gb SA		40	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- 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 (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 hereon is true and complete to the best of my knowledge and belief.

DeNette Wallace

DeNette Wallace

Production Clerk

Marbob Energy Corporation

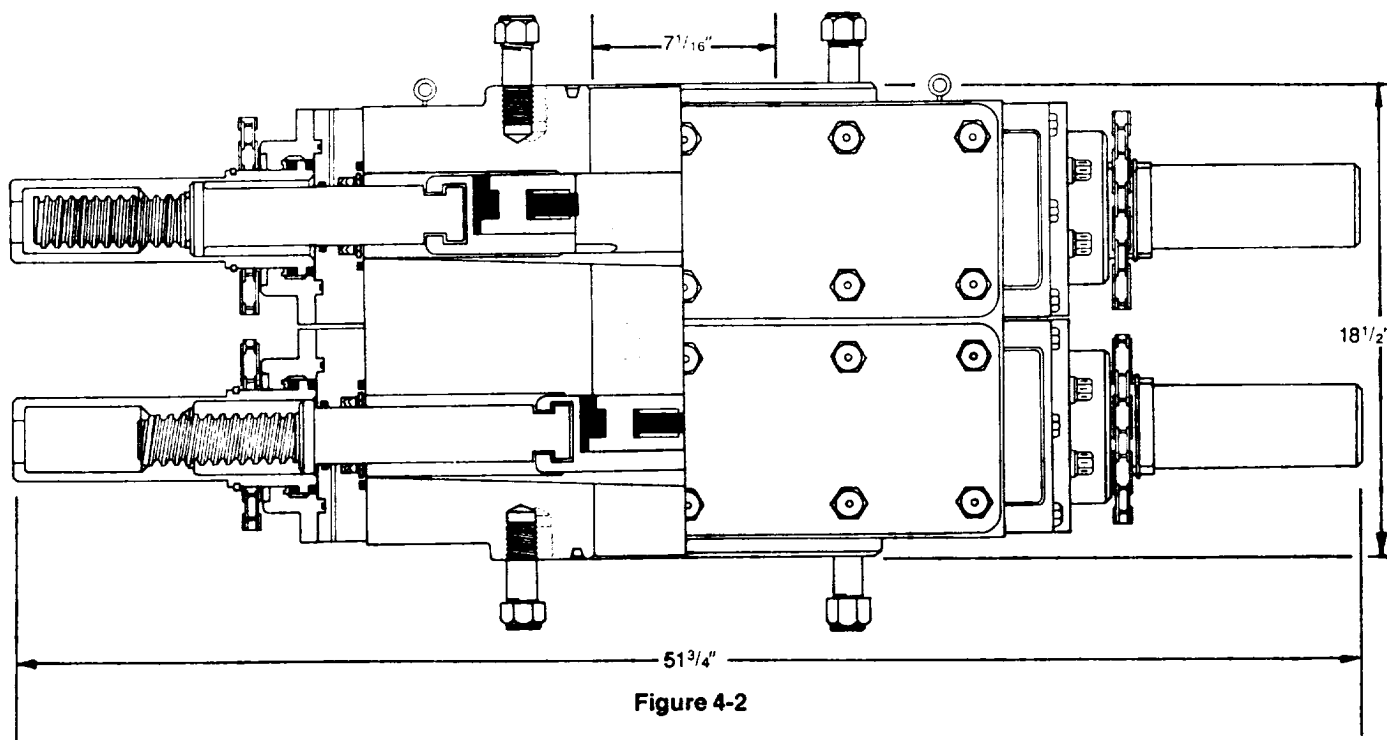
April 29, 1986

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.

John W. West
Registered Professional Engineer
No. 2121 Surveyor

John W. West

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



DIMENSIONS AND WEIGHTS

		Manual
Weight	Single (pounds)	1,272
	Double (pounds)	2,335
Overall height, less studs	Single (inches)	10
	Double (inches)	18 ¹ / ₂
Overall length (inches)		51 ³ / ₄
Overall width, less handwheel (inches)		20 ¹ / ₄
Opening through preventer (inches)		7 ¹ / ₁₆
Working pressure (psi)		3,000
Test pressure (psi)		6,000
Handwheel diameter (inches)		20
Ring joint gasket API number		R-45

SUP Exhibit "E"

Marbob Energy Corporation
 M. Dodd "A" No. 38 Well
 SW1/4SE1/4, Sec. 22-17S-29E

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #38 M. DODD "A" FEDERAL
SW1/4SE1/4 SEC. 22, T-17S, R-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 - 4500

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-350'	24.0#	K-55	STC	New
5 1/2"	0-4500	15.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A ~~annular~~ *double ram* BOP will be used. (See diagram attached as Exhibit "E")

6. CIRCULATING MEDIUM:

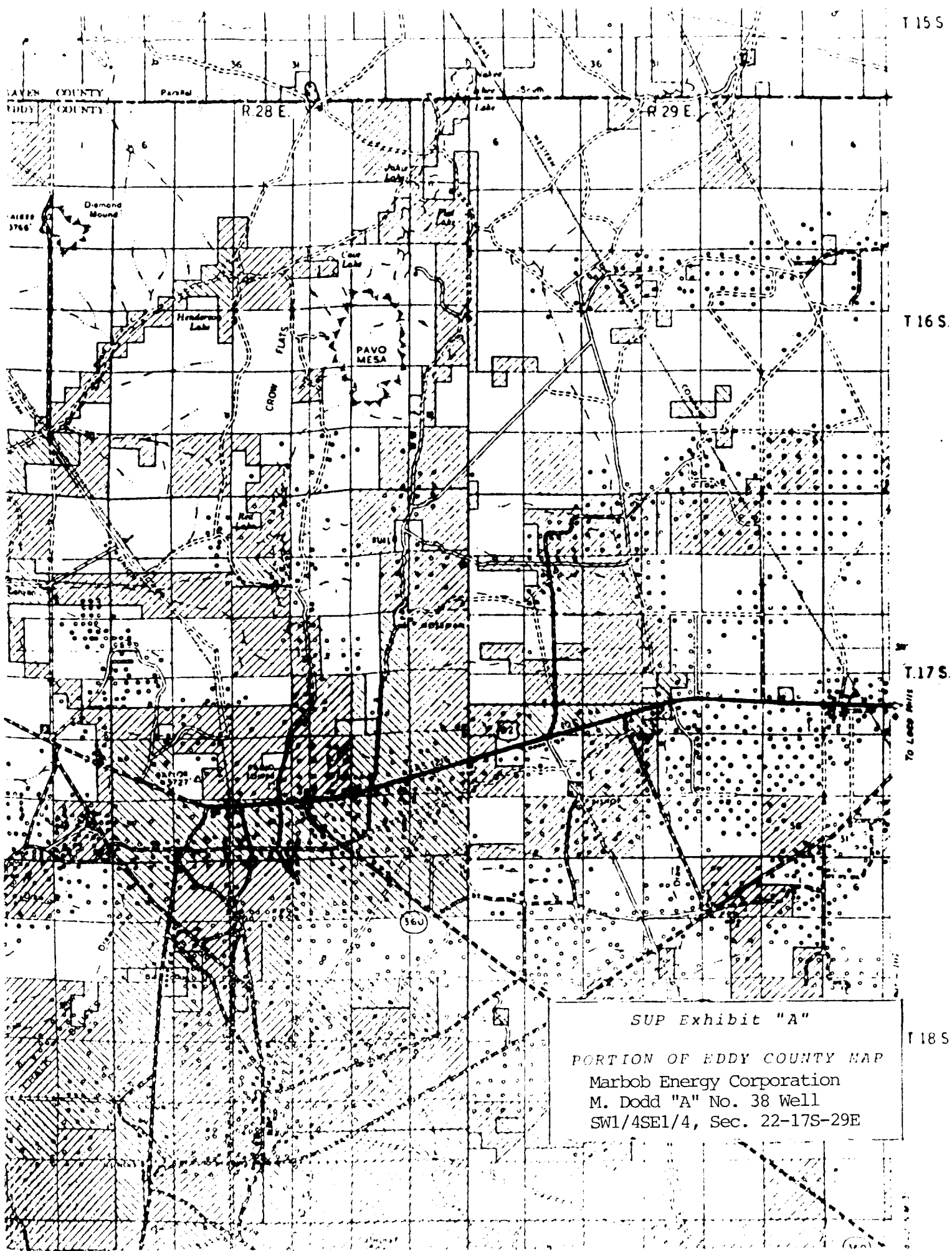
0 - 350'	Fresh water mud with gel or lime as needed for viscosity control.
350' - 4500'	Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

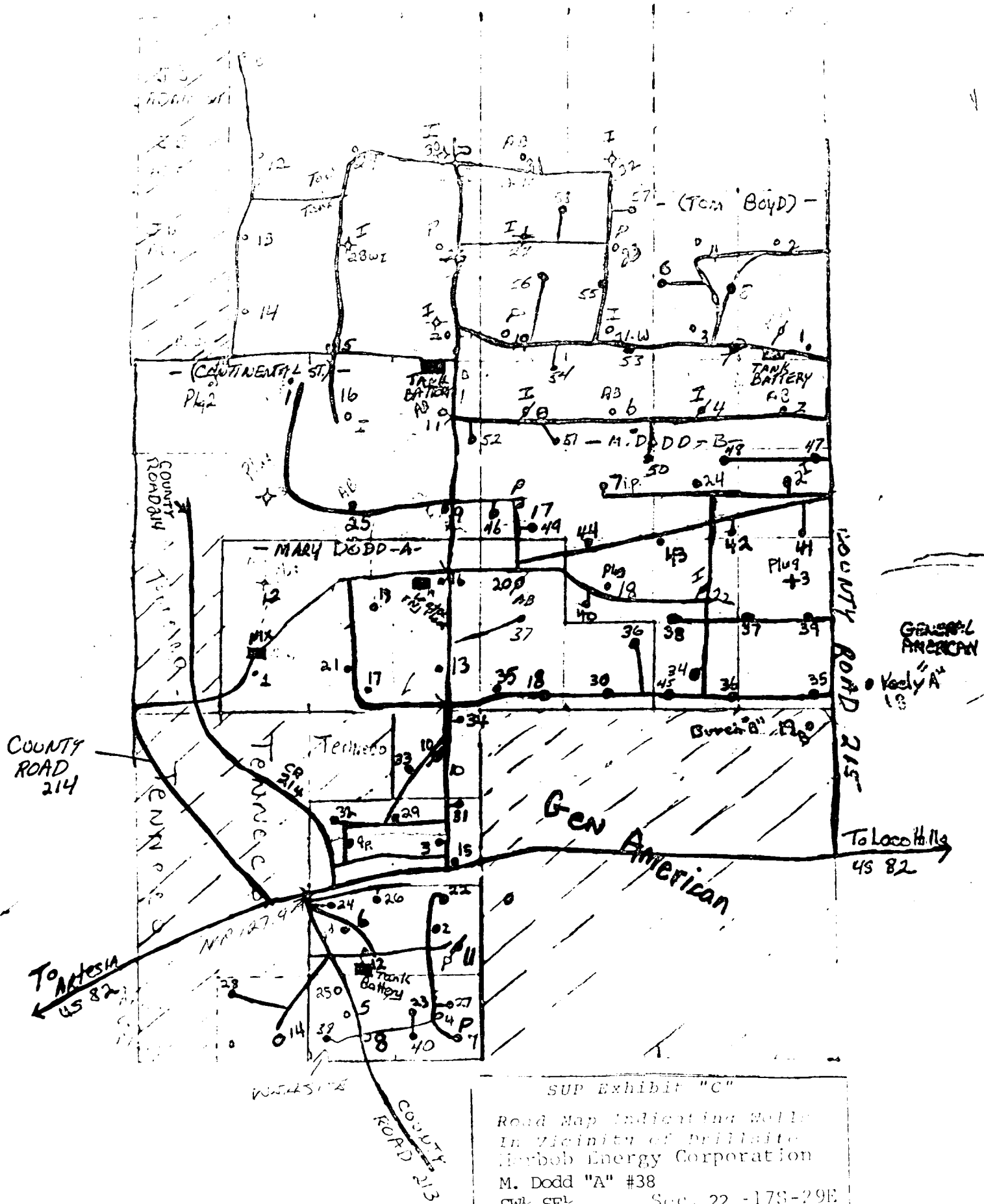
7. AUXILIARY EQUIPMENT: Drill string safety valve.

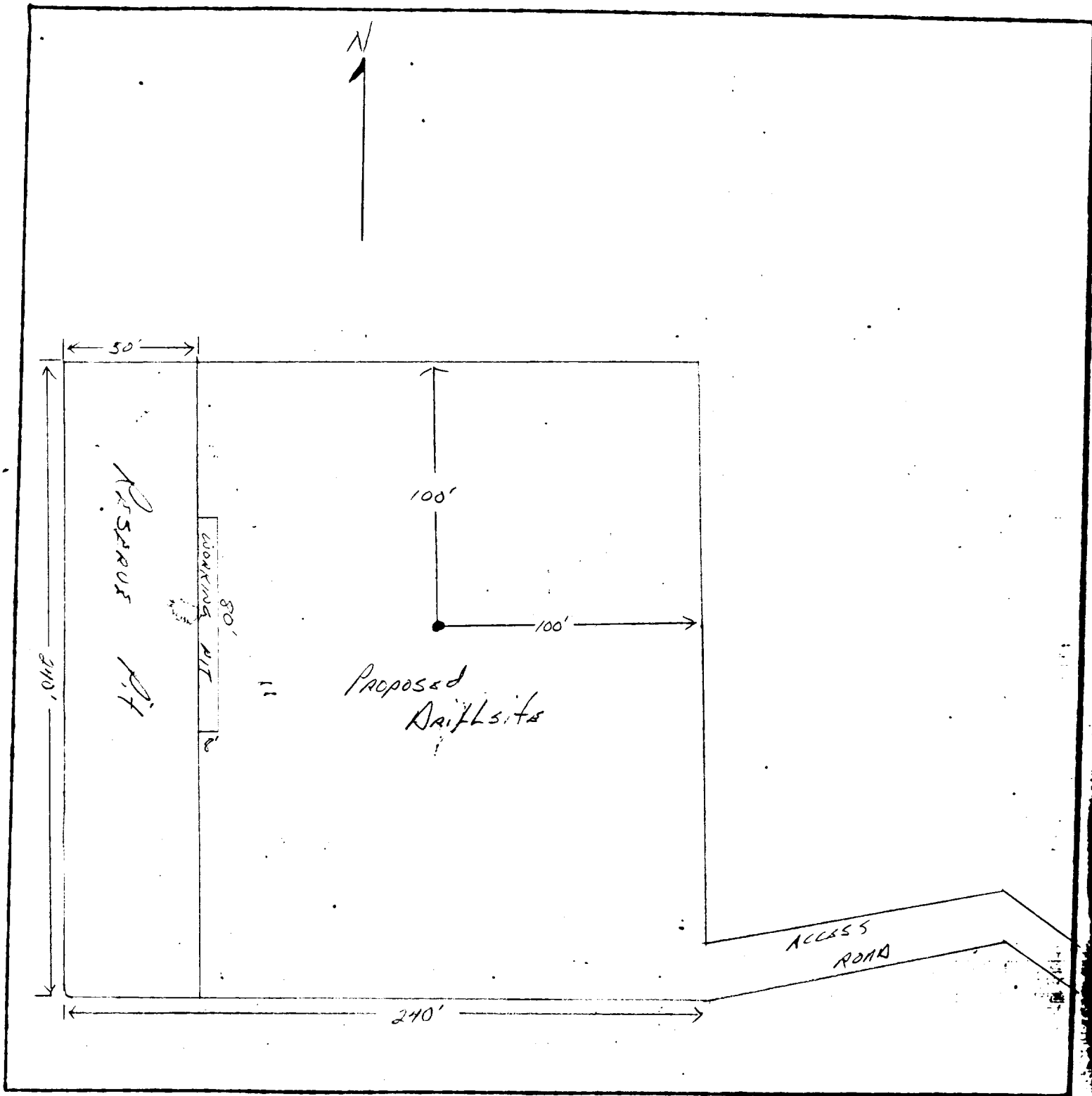
8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.

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 May 5, 1986. Duration of drilling, testing and completion operations should be one to four weeks.







LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD
 Marbob Energy Corporation
 M. Dodd "A" No. 38 Well
 SW1/4SE1/4, Sec. 22-17S-29E