

DEC 11 1984

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30-015-25136

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. LC-028731 (B)
D. 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, N.M. 88210			8. FARM OR LEASE NAME M. Dodd "B"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330 FSL 2310 FEL At proposed prod. zone Same			9. WELL NO. 45
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 air miles east of Artesia, N.M. 88210			10. FIELD AND POOL, OR WILDCAT Grbg Jackson SR Q G SA
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330'			11. SEC., T., R., M., OR B.L.M. AND SURVEY OR AREA Sec. 14-T17S-R29E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 900'			12. COUNTY OR PARISH Eddy 13. STATE N.M.
20. NO. OF ACRES IN LEASE 1480			17. NO. OF ACRES ASSIGNED TO THIS WELL 40
19. PROPOSED DEPTH 3450'			20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3604.2' GR			22. APPROX. DATE WORK WILL START* 1/1/85

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

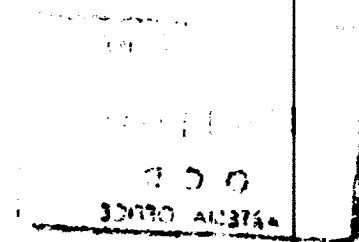
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Carla J. Russell TITLE Production Clerk DATE 11/13/84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE CARLSON DATE 12-10-84
CONDITIONS OF APPROVAL, IF ANY:

*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

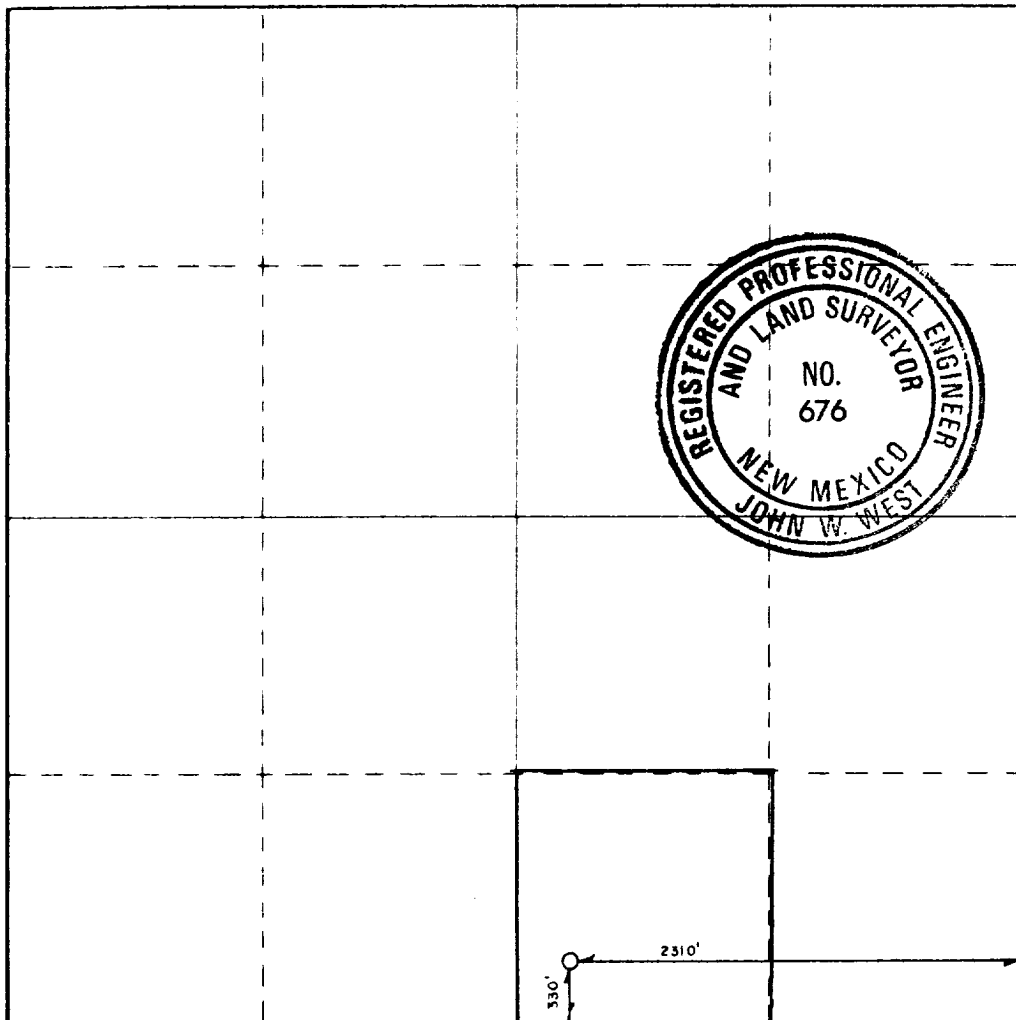
Owner MARBOB ENERGY CORP.			Lease M. DODD "B"		Well No. 45
Tract Letter 0	Section 14	Township 17S	Range 29E	County EDDY	
Actual Proctage Location of Well: 330 feet from the SOUTH line and 2310 feet from the EAST line					
Ground Level Elev. 3604.2	Producing Formation San Andres		Pool Grbg Jackson SR Qn Grbg SA		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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
11/9/84

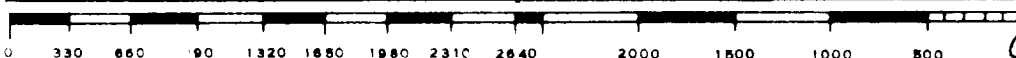
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
12/13/83

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No



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REGAN OFFSHORE INTERNATIONAL, INC.

Torrance,

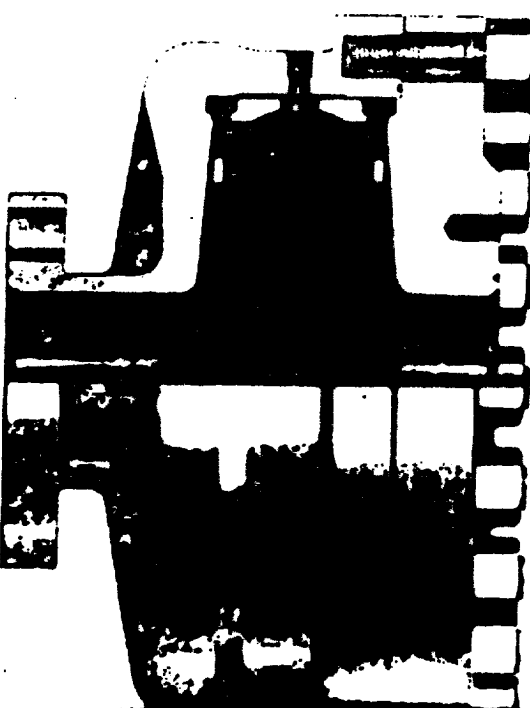
REGAN BLOWOUT PREVENTERS

Annular

The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 2000 PSI working pressure.

DESIGN FEATURES

- a. The Torus Preventer is designed for minimum weight to facilitate its use with production and workover rigs.
- b. The rubber Laker will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner Laker.
- c. The packer will seal on 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. In the ordinary service, the outer packer is rarely replaced.



TORUS BLOWOUT PREVENTER
PATENTED

SPECIFICATIONS

DIMENSIONS (in.)						
Nominal Size	Test Pressure (psi)	Outside Diameter	Inner Bore	Overall Height	Weight (lb.)	End Flanges (I)
6	1000	6 1/2	7 1/8	13 1/4	1400	2000 x 2000
8	1500	8 1/2	9	15 1/4	1600	2400 x 2400
10	2000	10 1/2	11	17 1/4	1800	2800 x 2800

1. Sealing Laker is made of high quality rubber and is designed to seal against the inner bore of the well bore.

SUP Exhibit "F"

REGAN BLOWOUT PREVENTER
Nardob Energy Corporation
Well #45 M. Dodd "B" Federal
SW4SE4 SEC. 14-17S-29E.

SUPPLEMENTAL DRILLING DATA

MARBOP ENERGY CORPORATION
WELL #45 M. DODD "B" FEDERAL
SW1/4SF1/4 SEC. 14-17S-29E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

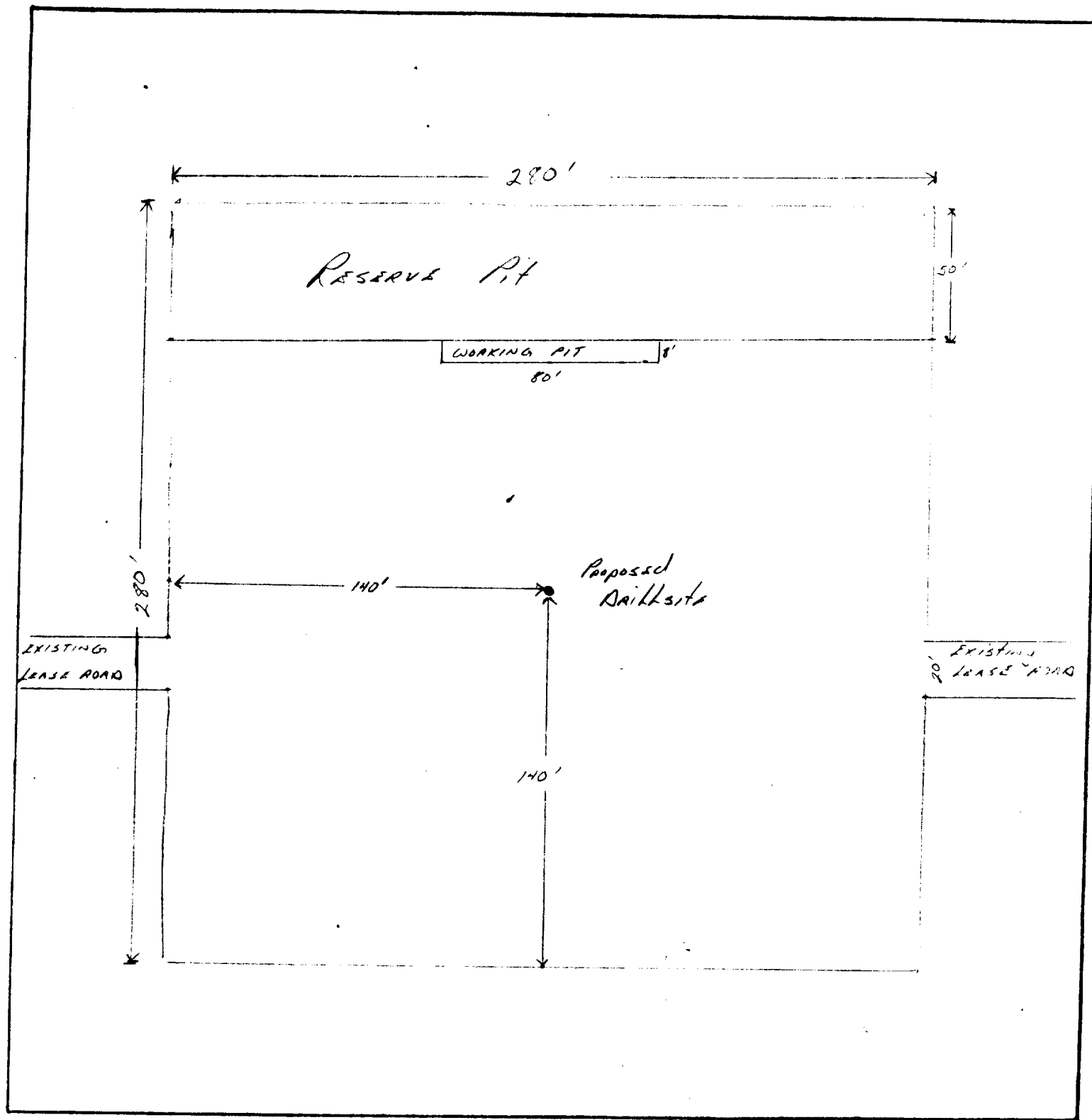
1. SURFACE FORMATION: Quaternary.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	360'	Queen	1215'
Base Salt	780'	Grayburg	2140'
Yates	930'	San Andres	2510'
Sever Rivers	1145'	Glorietta	3000'
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#	V-55	STC	New
5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular PCF 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: 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 *January 1, 1985*. 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
 Well #45 M. Dodd "B" Federal
 SW $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 14-17S-29E.