

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-24842

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 (B)
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, 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 1345 FSL 1295 FEL At proposed prod. zone Same			9. WELL NO. 37
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 X Grayburg Jackson -
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 25'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14-T17S-R29E
16. NO. OF ACRES IN LEASE 1480'			12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 700'			20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3612.6' GR			22. APPROX. DATE WORK WILL START* 4/7/84

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 Carolyn O'Neil TITLE Production Clerk DATE 3/29/84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Orig. Sgd. Earl R. Cunningham TITLE District Manager DATE 4-20-84
CONDITIONS OF APPROVAL, IF ANY:

SUBJECT TO LIKE
APPROVAL BY STATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

Unorthodox
Location

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

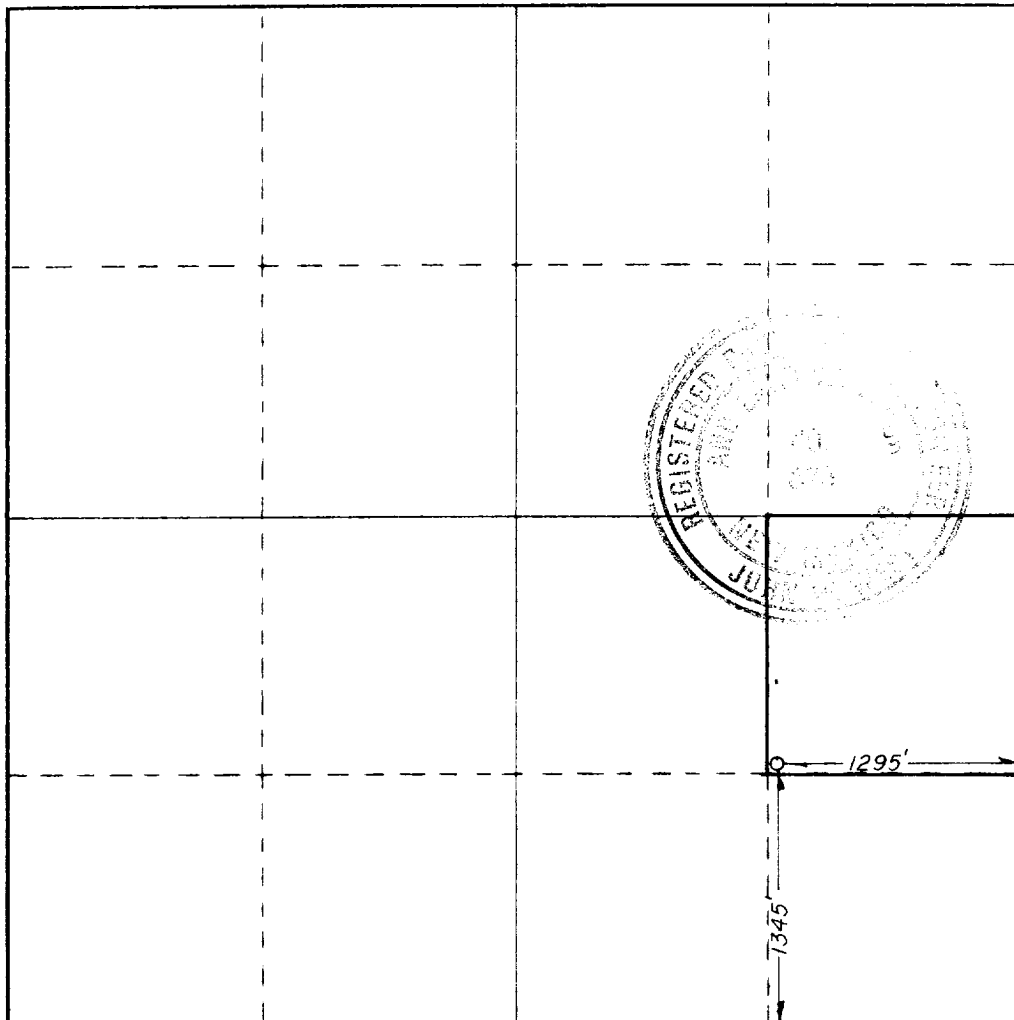
Operator MARBOB ENERGY CORP.			Lease M DOBB "B"		Well No. 37
Tract Letter I	Section 14	Township 17S	Range 29E	County EDDY	
Actual Portage Location of Well:					
1345 feet from the SOUTH line and		1295 feet from the EAST line			
Ground Level Elev. 3612.6	Producing Formation San Andres	Pool Grayburg Jackson-SR-Q-6-SR		Estimated Acreage: 40	

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 Orris
Name

Carolyn Orris

Position
Production Clerk

Employed by
Marbob Energy Corp.

Date
3/23/84

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
3/12/84

Registered Professional Engineer
and/or Surveyor

John W. West

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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

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.

DESIGN FEATURES

- The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.
- The rubber packer will conform to any obstruction in the well bore. Sealing ability is not affected by minor damage to the inner loops.
- The packer will seal on open, hole at full working pressure.
- 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.

TORUS BLOWOUT PREVENTER
PATENTED

SPECIFICATIONS

DIMENSIONS (in.)

Nominal Size	Test Pressure (psi)	Outside Diameter	Inner Bore	Overall Height	Weight (lb.)	End Flanges (I)	R/PX Ring Grooves	Side Outlet
6	1000	6 1/2	2 1/4	19 1/4	140	2000	15	2" I.P.
8	1000	8 1/2	3 1/4	25	165	2000	15	2" I.P.
10	1000	10 1/2	4 1/4	35	205	2000	15	2" I.P.

In built-in design for use with 2500 PSI rated pipe. Used with 2500 PSI rated pipe. 2500 PSI rated pipe. 2500 PSI rated pipe. 2500 PSI rated pipe.

SUP Exhibit E

REGAN BLOWOUT PREVENTER
Marbob Energy Corporation
Well #37 M. Dodd B Federal
NEISE# Sec. 14-17S-29E.

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL # 37 M. DODD "B" FEDERAL
NE1/4SE1/4 SEC. 14-17S-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 - 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 "E")

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 April 7, 1984. Duration of drilling, testing and completion operations should be one to four weeks.

