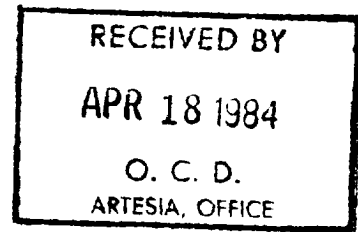


Request for Infill Finding on

M. Dodd "A" #28

in accordance with Administrative

Procedures amended February 8, 1980



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

(Other sections on reverse side)

Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐
 b. TYPE OF WELL
 OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ 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 990 FSL 1652 FWL
 At proposed prod. zone Same

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

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
990'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
660'

16. NO. OF ACRES IN LEASE
600

19. PROPOSED DEPTH
3400'

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)
3547.7' GR

22. APPROX. DATE WORK WILL START*
10/27/83

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>12 1/4"</u>	<u>8 5/8"</u>	<u>24#</u>	<u>350'</u>	<u>Sufficient to circulate</u>
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>15.50#</u>	<u>3400'</u>	<u>450 sax, to base of salt</u>

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 Carlo J. Davis TITLE Production Clerk DATE 10/25/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Amelia G. Lopez TITLE Chief, Bureau of Fluids DATE 11/14/83
 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 1-1-83

All distances must be from the outer boundaries of the Section.

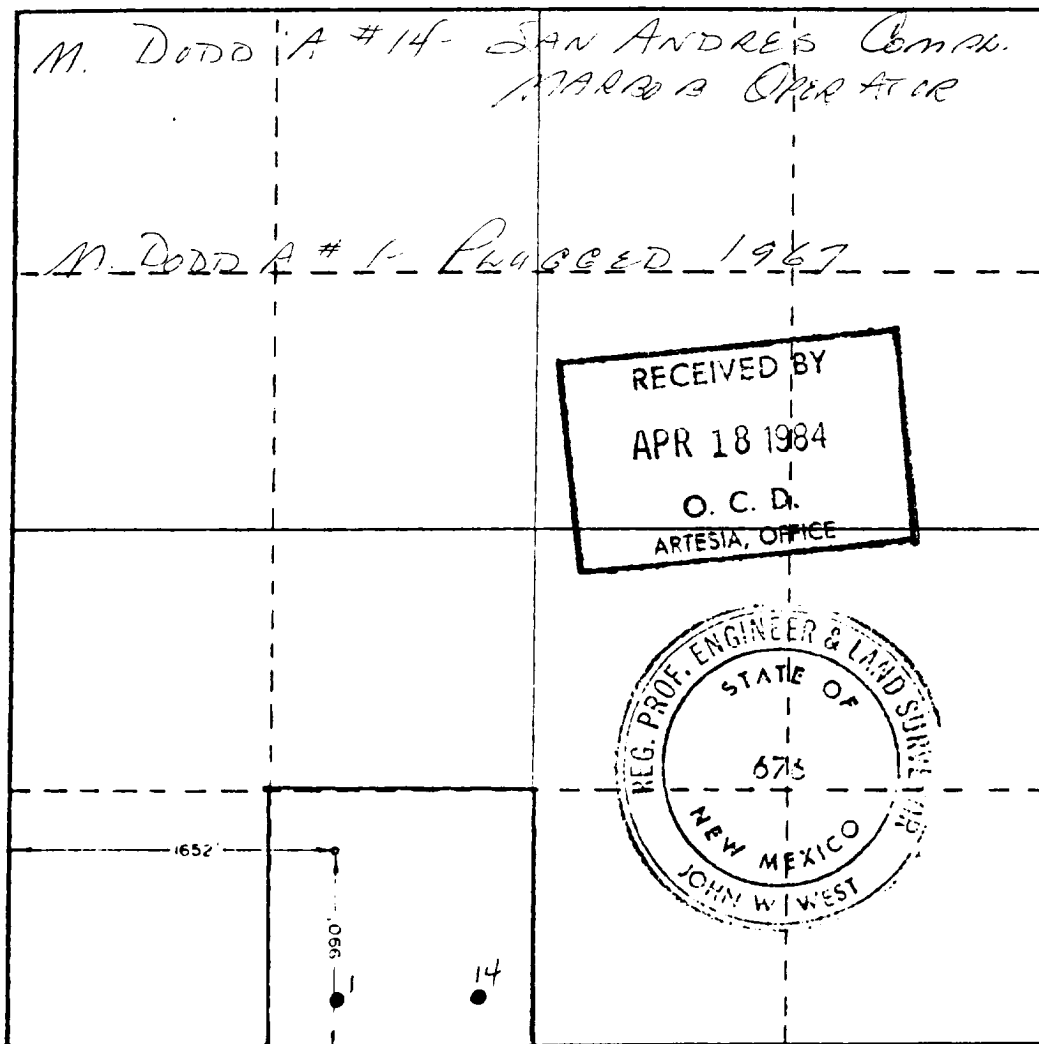
Operator MARBOB ENERGY CORPORATION			Lease M. DODD "A"		Well No. 28
Unit Letter N	Section 22	Township 17 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 990 feet from the SOUTH line and 1652 feet from the WEST line					
Ground Level Elev. 3547.7	Producing Formation San Andres	Pool Grayburg Jackson		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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
Company
Marbob Energy Corporation
Date
10/25/83

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
2/9/83
Registered Professional Engineer and/or Land Surveyor
<i>John W. West</i>
Certificate No.

Rule 6:

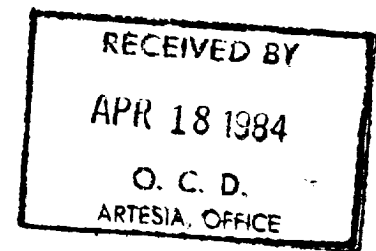
M. Dodd "A" #28

Pool: Grayburg Jackson Seven Rivers Queen Grayburg San Andres

Standard spacing unit: 40 acres

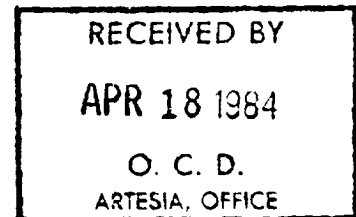
Rule 7:

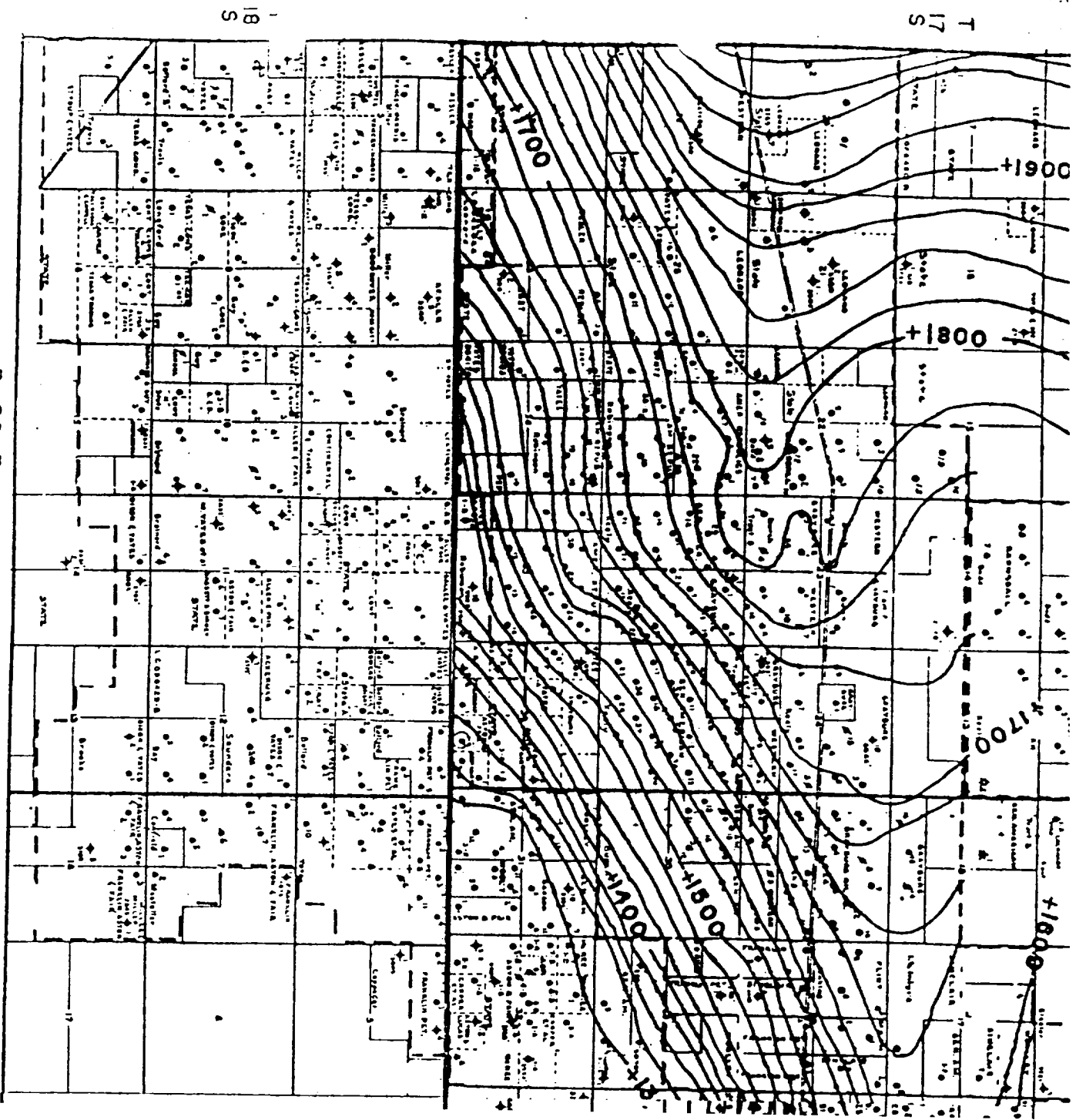
NA



Rule 8:

- a. M. Dodd "A" #28 - 990 FSL 1652 FWL Sec. 22-T17S-R29E
M. Dodd "A" #14 - 330 FSL 2310 FWL Sec. 22-T17S-R29E
- b. #28 - 1/31/83
#14 - 2/2/56
- c. #28 - 3/14/84
#14 - 3/1/56
- d. None
- e. #28 - 10 bbl oil, 93 mcf gas/day
#14 - 45 bbl oil, 1/3 mcf gas/day
- f. NA
- g. The #14 well produces negligible gas. The #28 experienced new reservoir condition when drilled. The complexity of this reservoir and the new reservoir type production rates attained in the new well indicate the necessity to drill the new well to efficiently drain the reservoir.





R 29 E

Marbob Energy Corporation
M. Dodd "A" Fed. Well #28
Grayburg Jackson
Eddy County, New Mexico

Pertinent Engineering Data and Conclusions:

Well #28 was completed in the Grayburg Jackson pool March 15, 1984. This is an infill well located as per the attached plat.

Effective April 1, 1984, oil reserves recoverable will be 18,090 barrels and gas reserves recoverable will be 63,450 mcf.

Oil reserves were calculated from the electric log using a volumetric method for a twenty acre drainage. Analagous comparisons of comparable producing well history in the area were also utilized. The economic limit of the well was considered to be reached with a producing rate of 1 BOPD.

The original producing rate on this well was 10 BOPD. This rate is in excess of many of the older wells. It is evident from the producing rate that oil and gas reserves will be recovered only by increased pattern density. It is my conclusion that the infill wells will experience original reservoir conditions.

Paul G. White

Paul G. White
Petroleum Engineer

4-4-84

Date

Pub. #9-6

Rule 11:

Notice of this infill request has been sent to Tenneco Oil
Exploration & Production, Suite 200 North-6800 Park Ten Blvd.,
San Antonio, Texas 79212; Southland Royalty Co., 21 Desta Dr.,
Midland, Texas 79701; Jack Plemons, Loco Hills, N.M. 88255.

