

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

*Private*  
*Free surface* 30-025-21287

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

MARTINDALE PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 1955, HOBBS, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

330' North & 990' West of Section 4, T-21S, R-38E

At proposed prod. zone

San Andres (Lot 2)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

8 miles Northeast of Eunice, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

76.45

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

± 40

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

None

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3551.4GR

22. APPROX. DATE WORK WILL START\*

April 1, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8-5/8"	24#	1650'	800sx circulated
7-7/8"	5 $\frac{1}{2}$ "	15 $\frac{1}{2}$ #	4500'	900sx circulated

See attachments for blowout preventor, mud program and complete details of operations.

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

*John H. Ludwick*

TITLE

Agent

DATE January 21, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

*George H. Stewart*

TITLE

*Geology DE*

DATE

*2-19-81*

CONDITIONS OF APPROVAL, IF ANY:

NATURAL GAS 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

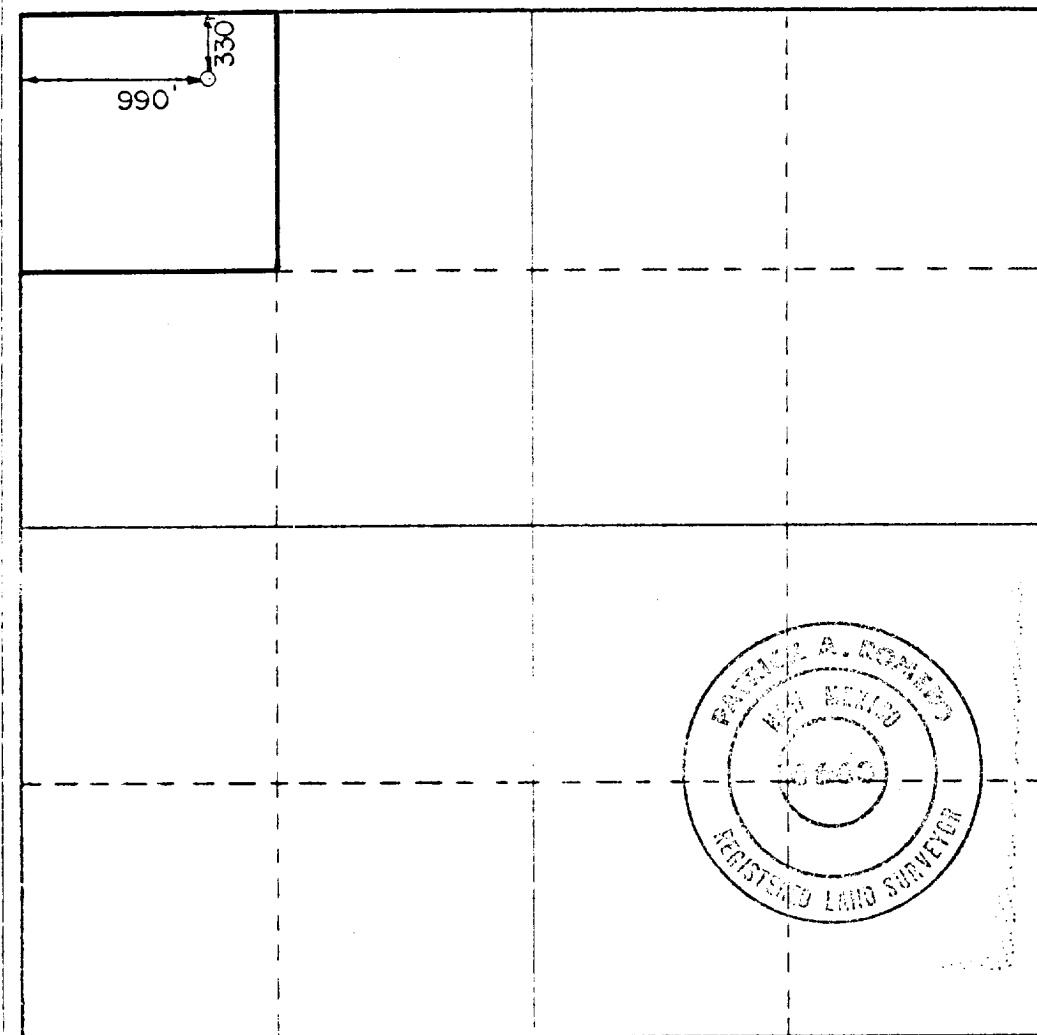
Operator <b>Martindale Petroleum Corp.</b>		Lease <b>Duncan Fed.</b>		Well No. <b>1</b>
Unit Letter <b>D</b>	Section <b>4</b>	Township <b>21 South</b>	Range <b>38 East</b>	County <b>Lea</b>
Actual Well Location of Well:				
<b>330</b> feet from the <b>North</b> line and		<b>990</b> feet from the <b>West</b> line		
Ground Level Elev. <b>3551.4</b>	Producing Formation <b>San Andres</b>	Pool <b>Sandhills, Grayburg, San Andres</b>	Dedicated Acreage <b>40</b> 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.

*Judy Landusky*  
Name

**Judy Landusky**

Position

**Agent**

Company

**Martindale Petroleum Corp.**

Date

**January 21, 1981**

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

**January 13, 1981**

Registered Professional Engineer and/or Land Surveyor

*Patrick A. Romero*

Certificate No. **JOHN W. WEST 670**  
**PATRICK A. ROMERO 6003**  
**Ronald J. Eidson 3370**



ATTACHMENT FORM 9-331-C

MARTINDALE PETROLEUM CORPORATION

DUNCAN FEDERAL LEASE - FEDERAL NO. NM-19015

1. Surface Formation: Quarternary Alluvium

2. Estimated tops of geologic markers:	Anhydrite 1600'	Seven Rivers 3150'
	Top Salt 1725'	Queen 3875'
	Base Salt 2800'	Grayburg 4050'
	Yates 2900'	San Andres 4350'

3. Estimated depth of mineral-bearing formations:

Fresh water	80-200
Grayburg	4050 oil and gas
San Andres	4350 oil and gas

4. Casing program:

Hole Size	Size of Casing	Weight per ft.	Cond.	Grade	Depth	Sacks Cement	Est. Top Cement
12 $\frac{1}{4}$	8 $\frac{5}{8}$	24#	new	K-55	1650	800	circ
7 $\frac{7}{8}$	5 $\frac{1}{2}$	15 $\frac{1}{2}$ #	new	K-55	4500	900	circ

5. Blowout Preventor: 10" Cameron SS series 900 double hydraulic with Payne Closing unit. See Exhibit "C".

6. Mud Program: 0-1600 native spud mud, 34 viscosity, weight 8.9#; 1600-4300 brine water; 4300-4500 salt base mud viscosity 35-38, weight 10.1#/gal., water loss 20.

7. Auxiliary Equipment: Kelly valve, safety sub with full opening valve, drill pipe float valve.

8. Logging & Testing: No drill stem tests or coring anticipated. Logs to consist of Gamma Ray Compensated Neutron Formation Density, Dual Laterolog, RXO.

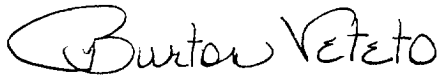
9. Anticipated pressures and potential hazards: Martindale Petroleum Corporation #1 Yates State in Section 32, T-20S, R-39E, indicates that the maximum pressure will be less than 1000psi and that hydrogen sulfide will not be encountered.

10. Starting date and duration: Starting date of April 1, 1981 will be determined by approval and availability of drilling rig. Drilling operations are expected to be completed in 14 days.

SURFACE OWNER'S AGREEMENT

This agreement has been made between Martindale Petroleum Corporation and Muriel McNeill DBA McNeill Ranches - owner of the surface. The agreement states that in the event of a dry hole (plugged and abandoned) the surface will be returned to its natural contours with the road and well pad left in place.

MARTINDALE PETROLEUM CORPORATION

A handwritten signature in cursive script that reads "Burton Veteto".

Burton Veteto  
Vice-President

BV/JL

11/17/11  
11/18/11  
11/19/11

473  
Conrad Bond Log  
11/18/11