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5A. Indicate Type of Lease  
STATE ☒ FEDERAL ☐  
5. State Oil & Gas Lease No.  
LG-2620

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
b. Type of Well  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐  
c. Name of Operator  
Vates Petroleum Corporation  
d. Address of Operator  
207 South Fourth Street, Artesia, New Mexico 88210  
e. Location of Well  
UNIT LETTER M LOCATED 824' FEET FROM THE South LINE  
688' FEET FROM THE West LINE OF SEC. 36 TWP. 8S RGE. 25E NMPM  
f. 19. Proposed Depth 4400' 19A. Formation Abo 20. Rotary or C.T. Rotary  
g. 1. Elevations (Show whether DF, RT, etc.) 3568' GL 21A. Kind & Status Plug. Bond Blanket 21B. Drilling Contractor L&M #2 22. Approx. Date Work will start ASAP

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24 #J-55	1000'	800sx	circ.
7 7/8"	4 1/2"	9.5#J-55	TD	250sx	circ.

We propose to drill and test the Abo and intermediate formations. Approximately 1000' of surface casing will be set and cement circulated to shut off gravel and caving. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW gel/LCM to 1000', Brine to 3000', KCL/drispak/starch to TD. MW 10-10.2, Vis 34-49, WL 14-7.

BOP PROGRAM: BOP's will be installed at offset and tested daily.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 7-17-85  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Regulatory Agent Date 1/11/85  
(This space for State Use)

APPROVED BY [Signature] Original Signed By Leslie A. Clement DATE JAN 17 1985  
CONDITIONS OF APPROVAL, IF ANY: Supervisor District II

Notify N.M.O.C.C. in sufficient time to witness  
Running & Cmt. of 8 5/8" Csg

**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.

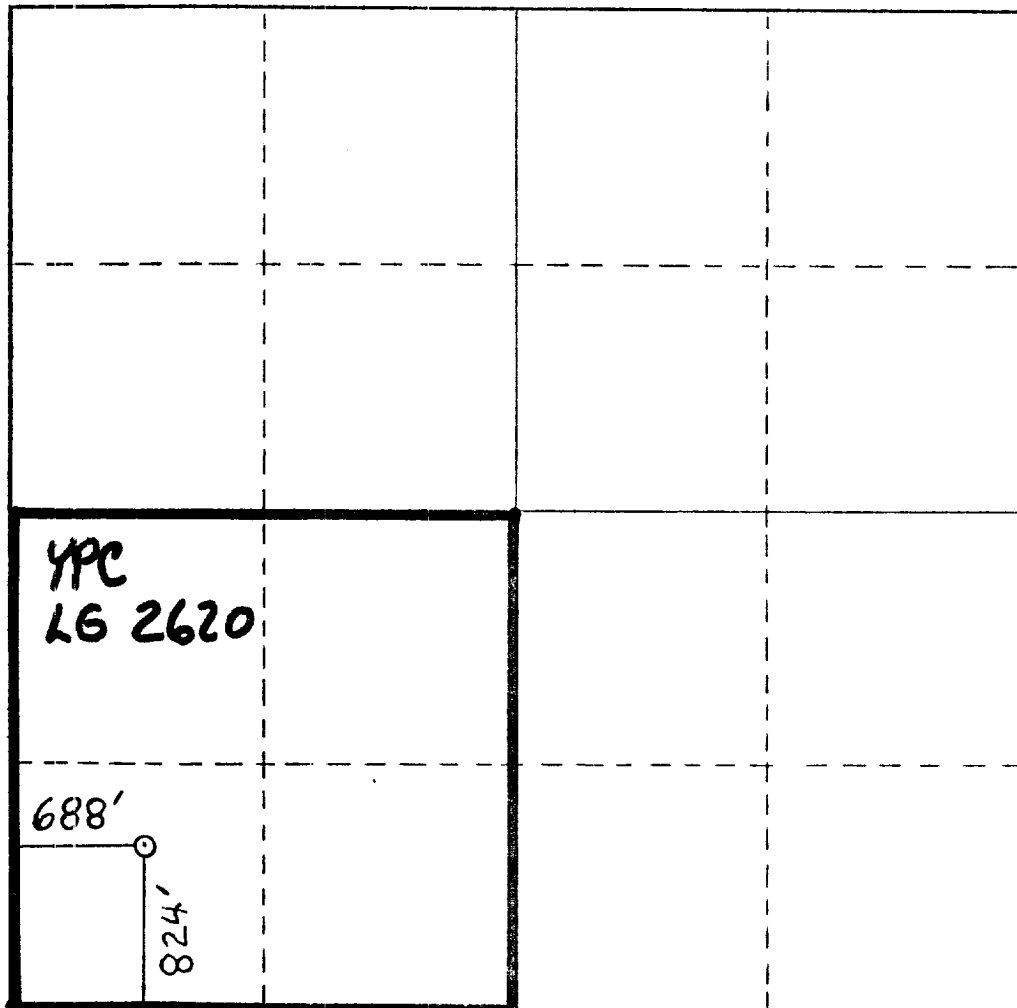
Operator <b>Yates Petroleum Corporation</b>			Lease <b>Bobcat "ABT" State</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>36</b>	Township <b>8S</b>	Range <b>25E</b>	County <b>Chaves, NM</b>	
Actual Footage Location of Well:					
<b>824'</b>		feet from the <b>South</b> line and		<b>688'</b> feet from the <b>West</b> line	
Ground Level Elev: <b>3568' GL</b>	Producing Formation <b>Abo</b>	Pool <b>Pecos Slope Abo</b>		Dedicated Acreage: <b>160</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.

**Rod Rodriguez**

Name **Rod Rodriguez**

**By Cy Cowan**

Position **Cy Cowan**  
**Regulatory Agent**

Company

**Yates Petroleum Corp.**

Date

**January 16, 1985**

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.

January 16, 1985

Date Surveyed

Registered Professional Engineer  
and/or Land Surveyor

**3640**

Certificate No.

**3640**

# EXHIBIT B

## BOP DIAGRAM

RATED 3000<sup>#</sup>

