

Drawer DD

NOV 22 1985

UNITED STATES DEPARTMENT OF THE INTERIOR

O. C. D.

GEOLOGICAL SURVEY

## 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

SINGRE ZONE ☐MULTIPLE ZONE ☐

## 2. NAME OF OPERATOR

Yates Petroleum Corporation ✓

## 3. ADDRESS OF OPERATOR

207 South Fourth Street - Artesia, NM 88210

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

At surface

1650' FNL &amp; 330' FWL (Unit E)

At proposed prod. zone

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

Approximately 10 miles southwest of Dunken, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

2512.32

## 19. PROPOSED DEPTH

Approx. 3000'

## 17. NO. OF ACRES ASSIGNED TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6819' GR

## 22. APPROX. DATE WORK WILL START\*

ASAP

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# J-55	Approx. 600'	250 sacks - circulate
12-1/4"	9-5/8"	32.5# J-55	" 1200'	800 sacks - circulate (optional)
8-3/4"	4 1/2 or 5 1/2"	15.5-17# or 10.5-11.6#	TD	400 sacks

We propose to drill to the Granite and test the intermediate formations. Approximately 600' of surface casing will be set to shut off gravel and cavings. Intermediate casing is optional and will be set if needed for lost circulation. Will run 4 1/2" or 5 1/2" and tie back into last string of casing set, perforate and stimulate as needed for production.

MUD PROGRAM: FW gel/LCM to 600'; FW/gel/starch to 1200'; starch/drispak/KCL to TD

BOP PROGRAM: BOP's and hydril will be installed on the 13-3/8" casing and tested daily.

Posted IDI  
API, NL  
11-27-85

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

Cy Cowan

TITLE

Regulatory Agent

DATE Nov. 11, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

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.

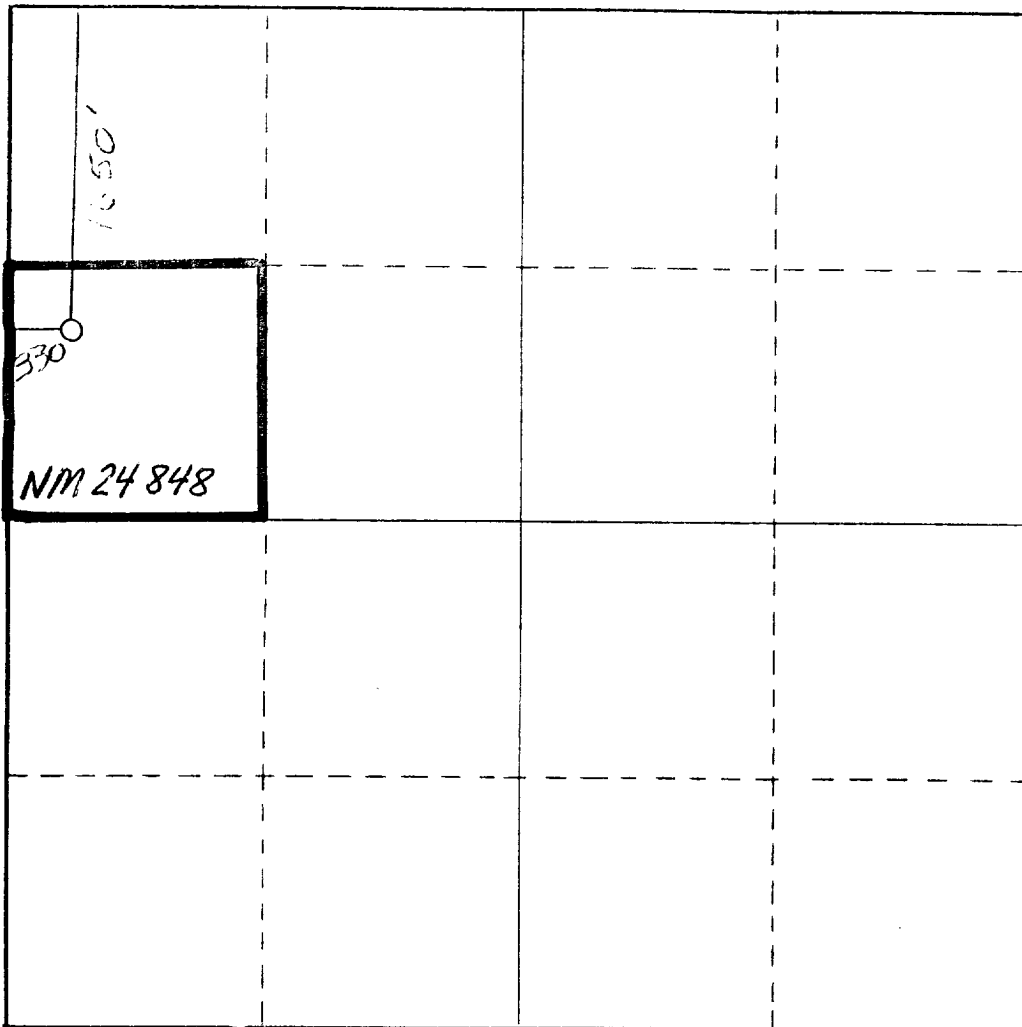
Operator YATES PETROLEUM CORPORATION			Lease ONE TREE UNIT		Well No. 3
Unit Letter E	Section 32	Township 18S	Range 16E	County Chaves	
Actual Footage Location of Well: 1650 feet from the North line and 330 feet from the West line					
Ground Level Elev. 6819	Producing Formation PRE CAMBRIAN	Pool WILDCAT	Dedicated Acreage: 40 Acres		

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 unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

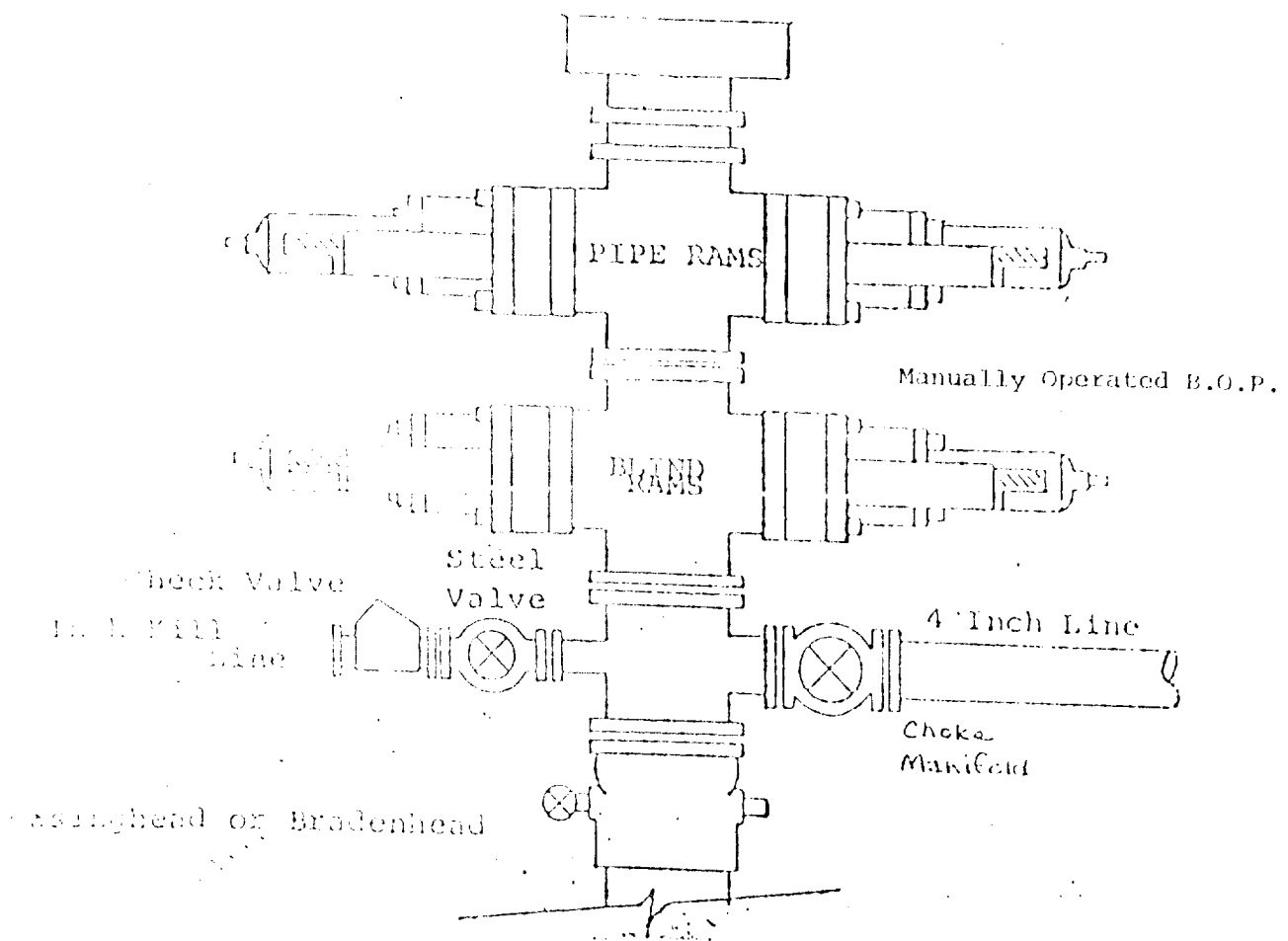
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



# EXHIBIT B

## BDP DIAGRAM

RATED 3000<sup>#</sup>



YATES PETROLEUM CORPORATION  
One Tree Unit #3  
1650' FNL and 330' FWL of  
Section 32-T18S-R16E  
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Company submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geologic surface formation is San Andres.
2. The estimated tops of geologic markers are as follows:

Glorieta	240'
Yeso	300'
Tubb	1725'
Abo	1950'
Fusselman/Ellenburger	2000'
Ellenburger/Bliss	2390'
Bliss	2475'
Precambrian	2550'
TD	2850'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 180'

Oil or Gas: Approximately 2550'
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C.
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging and Coring Program:

Samples: 10' samples out from under casing to TD

DST's: As warranted.

Coring: Any potential reservoir zone.

Logging: CNL-Litho Density from TD to bottom of casing ; GR-CNL from bottom of casing to surface.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

DUNKEN

Canyon

One Tree Peak

ONE TREE Unit #2

ONE TREE Unit #3

Chimney Peak

YATES Petroleum Corp  
ONE TREE Unit #3  
1650' FNL + 330' FWL  
SEC 32 T18S R16E  
CHAVES County  
NM  
Exhibit A

NOTE:

Inside walls must be as high and wide as outer walls of pit.

