

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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 ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Yates Petroleum Corporation ✓

## 3. ADDRESS OF OPERATOR

207 South 4th Street - Artesia, NM 88210

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

At surface

990' FSL &amp; 990' FEL of Sec. 21-17S-25E B.C.C.

At proposed prod. zone

ARTESIA, OFFICE

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

Approx 5½ miles West of Artesia, NM 88210

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

## 19. PROPOSED DEPTH

Approx. 1500'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3556' GR

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

As soon as approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	10-3/4"	32#	Approx. 200'	Circulate
9-7/8"	7"	20#	" 1100'	Circulate
6-1/4"	4½" Tapered 5½"	9.5&15.5#	" 1500'	Circulate

We propose to drill a 14-3/4" hole to approximately 200', set 10-3/4" casing, if necessary, and circulate, then drill 9-7/8" hole to 100' below the Artesian Zone, set 7" surface casing and circulate, reduce hole to 6-1/4" and drill to TD of approximately 1500', run a tapered string of production casing, cement, perforate and Sand Frac for Slaughter production.

Mud Program: - Fresh water gel and LCM to 1100' (before drill), water from casing point to TD.

BOP Program: - BOP's will be installed on 7" casing and tested daily.

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

*Eddie L. Buehler*

TITLE

Engineer

DATE

9-4-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:  
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMPLETED WITHIN 3 MONTHS.  
EXPIRES DEC-12-1974

DECLARED WATER BASIN  
On Reverse Side  
CEMENT MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE 7" CASING

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.

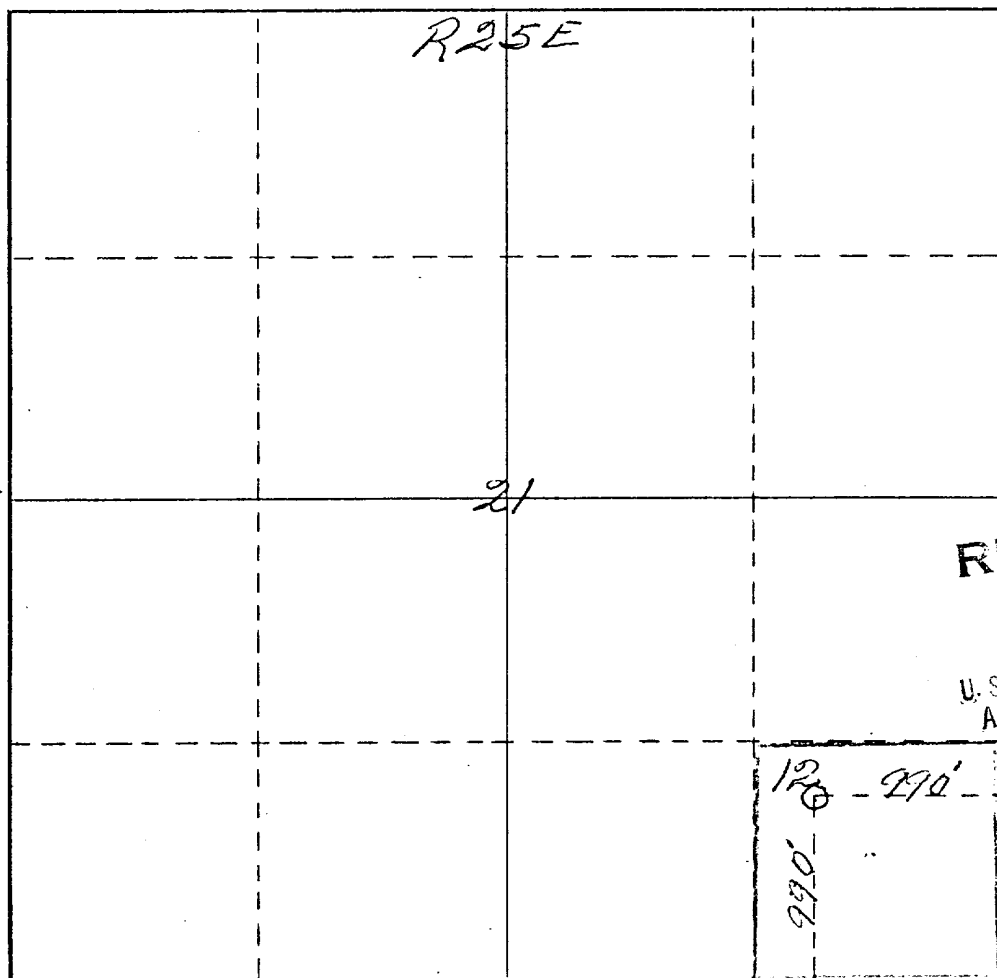
Operator <i>Yates Petroleum Corp.</i>			Lease <i>Federal BZ</i>		Well No. <i>12</i>
Unit Letter <i>P</i>	Section <i>21</i>	Township <i>17 South</i>	Range <i>25 East</i>	County <i>Eddy</i>	
Actual Footage Location of Well: <i>990</i> feet from the <i>South</i> line and <i>990</i> feet from the <i>East</i> line					
Ground Level Elev. <i>3556</i>	Producing Formation <i>San Andres</i>		Pool <i>Eagle Creek San Andres</i>		Dedicated Acreage: <i>40</i> 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 \_\_\_\_\_

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.

*Eddie M. Mahfood*

Name  
**Eddie M. Mahfood**

Position  
**Engineer**

Company  
**Yates Pet. Corporation**

Date  
**8-31-74**

**RECEIVED**  
LAND SURVEY  
U.S. GEOLOGICAL SURVEY  
ARIZONA  
JAMES H. BROWN

Date Surveyed  
*August 28<sup>th</sup> 1974*  
Registered Professional Engineer  
and/or Land Surveyor

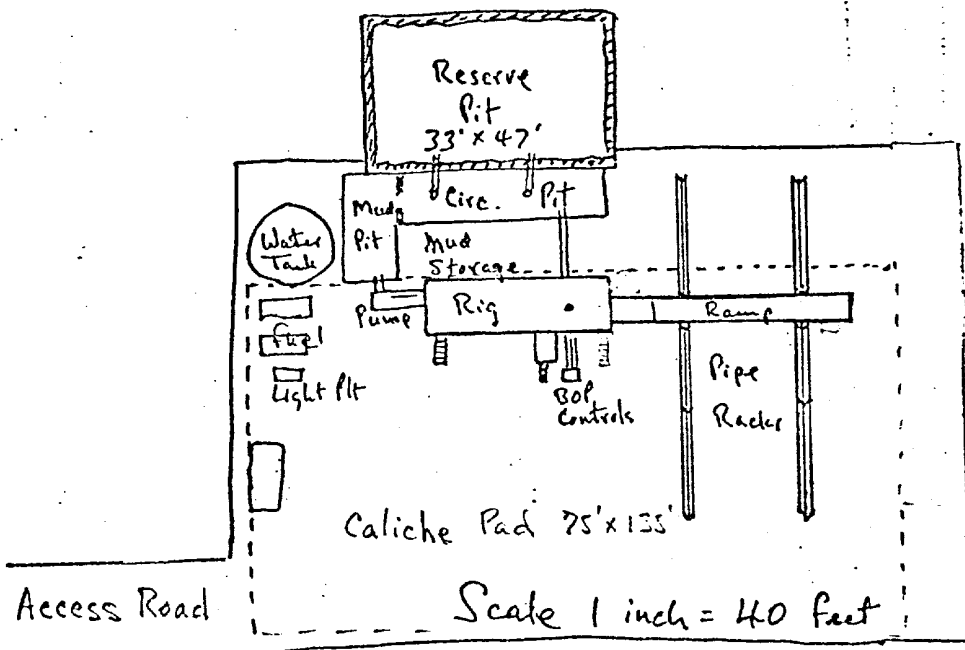
*James H. Brown*  
Certificate No. **5421**

Yates Petroleum Corporation  
Federal "BZ" #12 990' FEL and 990' FSL  
Section 21-T17S-R25E, Eddy County, New Mexico

Development plan for surface use to accompany, "Applications to Drill Onshore Oil, Gas, or Geothermal Steam Wells on Public Domain and acquired Federal Lands:"

1. Existing roads. See attached Topo map. Company maintained caliche roads.
2. Planned access roads. See attached Topo map. To blade road East from existing road and gravel surface where caliche outcrop is absent.
3. Location of wells. See attached Topo map. In-fill well in Eagle Creek San Andres Field.
4. Lateral roads to wells locations. See attached Topo map. This location is near tank battery and existing road; no lateral needed.
5. Location of tank batteries and flowlines. See attached Topo map. Tank battery in same 40-acre spacing.
6. Locations and types of water supply. Fresh water trucked from source well in Eagle Creek field.
7. Methods for handling waste disposal. Engine oil and mud in circulating pit, trash in trash barrel for subsequent approved disposal (City dump).
8. Location of camps N.A.
9. Location of airstrips. N.A.
10. Location layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. See sketch below.
11. Plans for restoration of the surface. Mud pits will be dried and leveled or fenced, surface restored near original upon abandonment.
12. Any other information which the Approving Official considers essential to his assessment of the impact on the environment. Rolling grassland, grazing permit, environment protected to satisfaction of rancher, W.E. McIlhaney, 746-3034, Box 38, Route 1, Artesia, New Mexico 88210.

The affected Federal and State surface managing agencies shall have access to or, if feasible, may be provided with copies of such development.



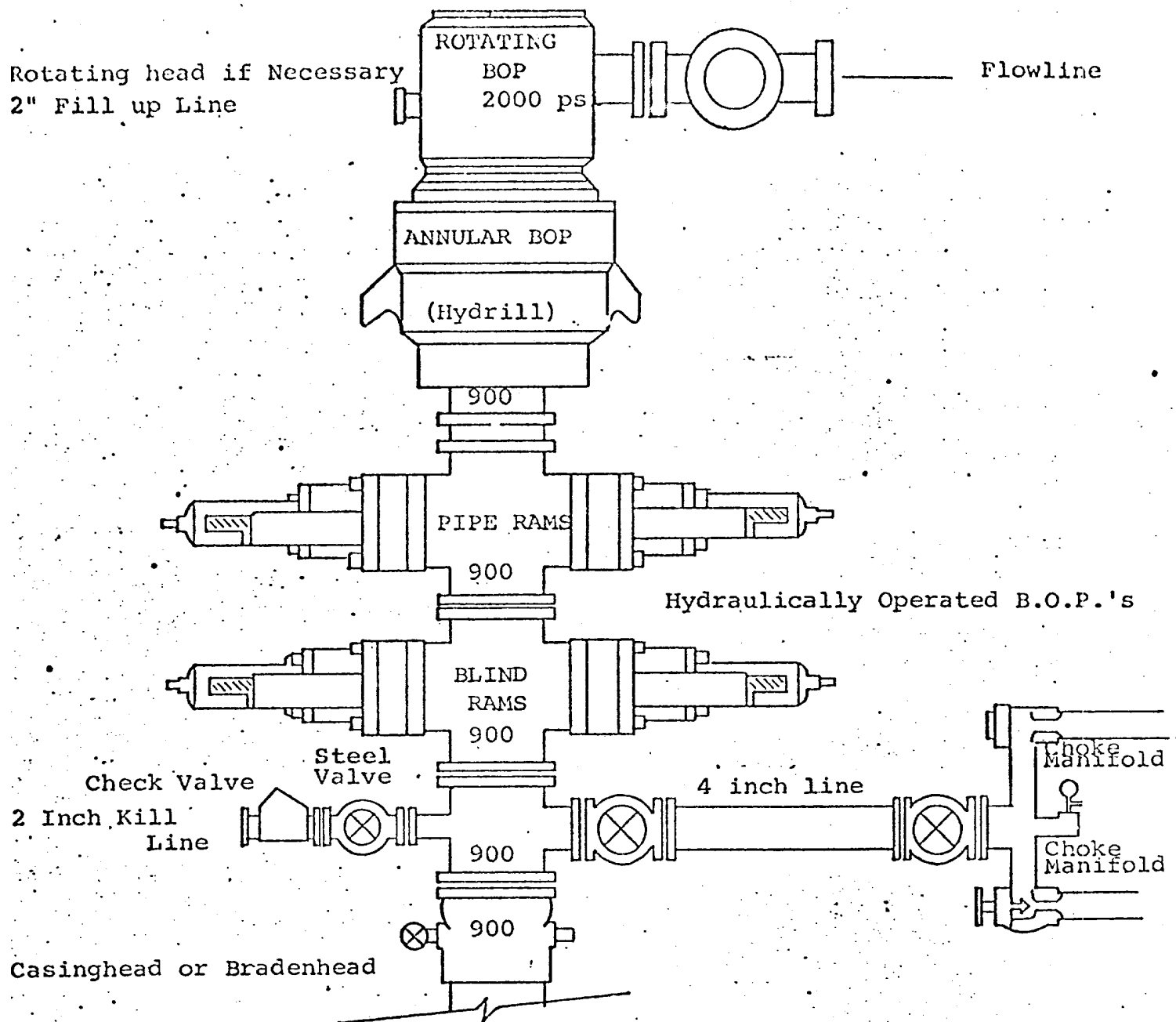
Submitted by:

Yates Petroleum Corporation  
BY Eddie H. Mahfood  
Eddie H. Mahfood - Engineer

Approved by:

U. S. Geological Survey  
BY \_\_\_\_\_

DIAGRAMMATIC SKETCH OF 3000 PSI BOP ASSEMBLY



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 4" diameter.
3. Kill line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers to be all steel hole or tube a minimum of one inch in diameter.
5. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
6. All Connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
7. Inside blowout preventer to be available on rig floor.
8. Operating controls located a safe distance from the rig floor.
9. Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
10. Drill pipe must be installed and used below zone of first gas intrusion.
11. Anticipated Bottom Hole Pressure is less than 400 psi.
12. No Kelly Cock or manual valves necessary.
13. BOP's Tested prior to drilling casing shoe, TD reached estimated 24 hrs.