

**RECEIVED**  
NEW MEXICO OIL CONSERVATION COMMISSION  
**FEB 11 1977**  
**O. C. C.**  
**ARTESIA, OFFICE**

30-015-22052  
Form C-101  
Revised 1-1-65

|  |   |
|--|---|
| 5A. Indicate Type of Lease                             |   |
| STATE <input type="checkbox"/>                         | FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.                           |   |
| 7. Unit Agreement Name                                 |   |
| 8. Farm or Lease Name<br>Mallard "HM"                  |   |
| 9. Well No.<br>2                                       |   |
| 10. Field and Pool, or Wildcat<br>Und. Atoka S. A.     |   |
| 12. County<br>Eddy                                     |   |
| 18. Proposed Depth<br>Approx. 1850'                    | 19A. Formation<br>San Andres            |
| 20. Rotary or C.T.<br>Rotary                           |   |
| 21. Elevations (Show whether DT, RT, etc.)<br>3387' GR | 21A. Kind & Status Plug Bond<br>Blanket |
| 21B. Drilling Contractor<br>Byrd Drilling Company      |   |
| 22. Approx. Date Work will start<br>As soon as approve |   |

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

|  |  |
|--|--|
| 1a. Type of Work   |  |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  |
| 2. Name of Operator<br>Yates Petroleum Corporation   |  |
| 3. Address of Operator<br>207 South 4th Street - Artesia, NM 88210   |  |
| 4. Location of Well<br>UNIT LETTER <u>K</u> LOCATED <u>1650</u> FEET FROM THE <u>South</u> LINE<br>AND <u>2310</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>28</u> TWP. <u>18S</u> RGE. <u>26E</u> NMPM |  |
| 5. Proposed Depth<br>Approx. 1850'   |  |
| 6. Formation<br>San Andres   |  |
| 7. Rotary or C.T.<br>Rotary  |  |
| 8. Elevations (Show whether DT, RT, etc.)<br>3387' GR  |  |
| 9. Kind & Status Plug Bond<br>Blanket  |  |
| 10. Drilling Contractor<br>Byrd Drilling Company   |  |
| 11. Approx. Date Work will start<br>As soon as approve   |  |

**PROPOSED CASING AND CEMENT PROGRAM**

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 9 1/2"       | 7"             | 20#             | Approx 1200'  | Circulate       |          |
| 6 1/2"       | 4 1/2 & 5 1/2" | 10.5-15.5#      | " 1850'       | 175 sacks       |          |

We propose to drill a San Andres test, 1200' of intermediate casing will be set 100 feet below the Artesian Water zone. The cement will be circulated. A tapered string of production string of 5 1/2" and 5 1/2" casing will be run, if productive, perforate and stimulate as needed for production.

Mud Program: - Gel and LCM to 1200', Fresh water to TD.

BOP Program: - 10" hydraulic BOP's will be set on 7" casing and tested.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 5-14-77

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, 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 Christine Tomlinson Title Geol. Secty Date 2-11-77

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE FEB 14 1977

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to  
surface behind 7" casing

Notify N.M.O.C.C. 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.

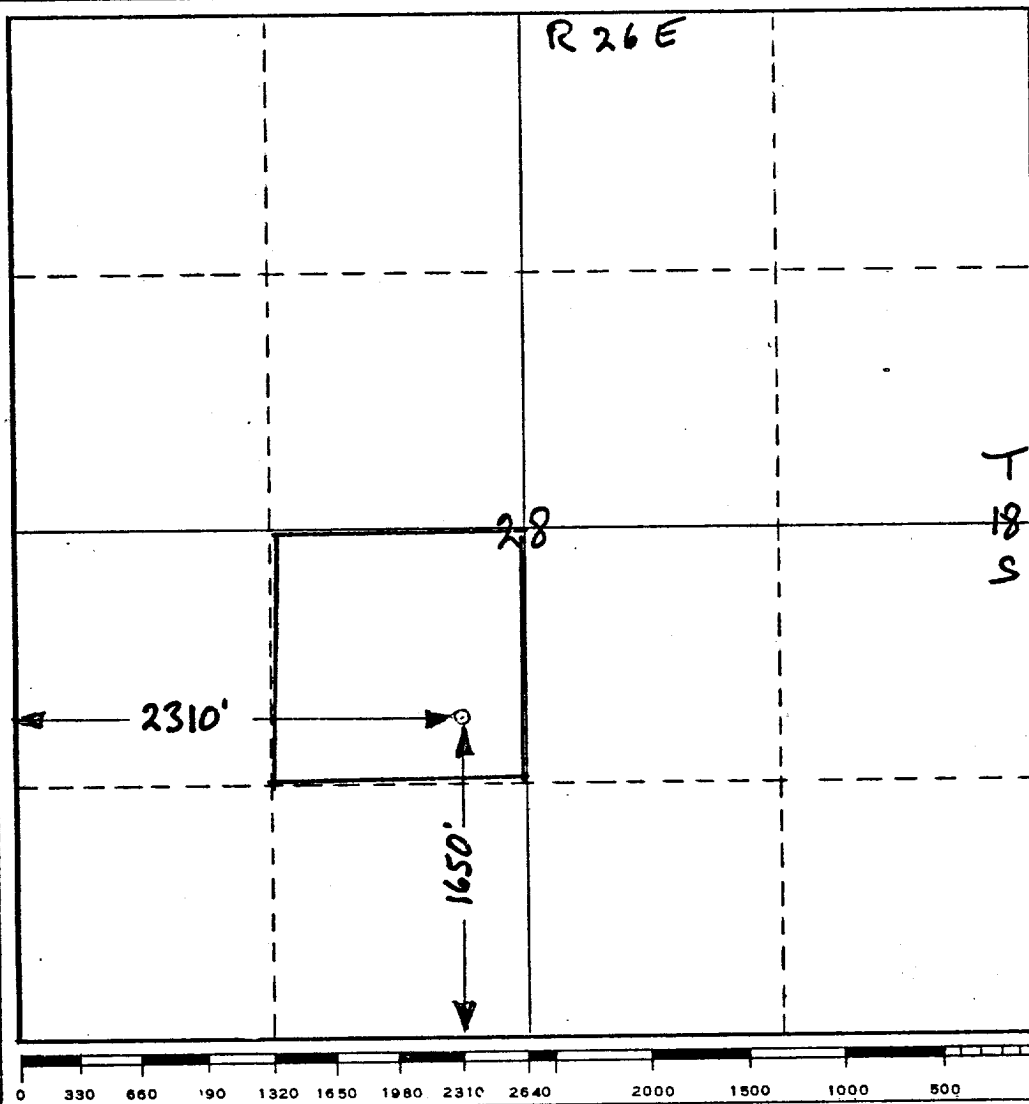
|  |  |                               |                                       |                       |
|--|--|-------------------------------|---------------------------------------|-----------------------|
| Operator<br><b>Yates Petroleum Corp</b>  |  | Lease<br><b>Mallard "H M"</b> |                                       | Well No.<br><b>2</b>  |
| Unit Letter<br><b>K</b>  | Section<br><b>28</b>                     | Township<br><b>18-S</b>       | Range<br><b>26-E</b>                  | County<br><b>Eddy</b> |
| Actual Footage Location of Well:<br><b>1650</b> feet from the <b>South</b> line and <b>2310</b> feet from the <b>West</b> line |  |                               |                                       |                       |
| Ground Level Elev.<br><b>3387</b>  | Producing Formation<br><b>San Andres</b> | Pool<br><b>Atoka (S.A.)</b>   | Dedicated Acreage:<br><b>40</b> 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 Petroleum Corp.**

Date  
**2-11-77**

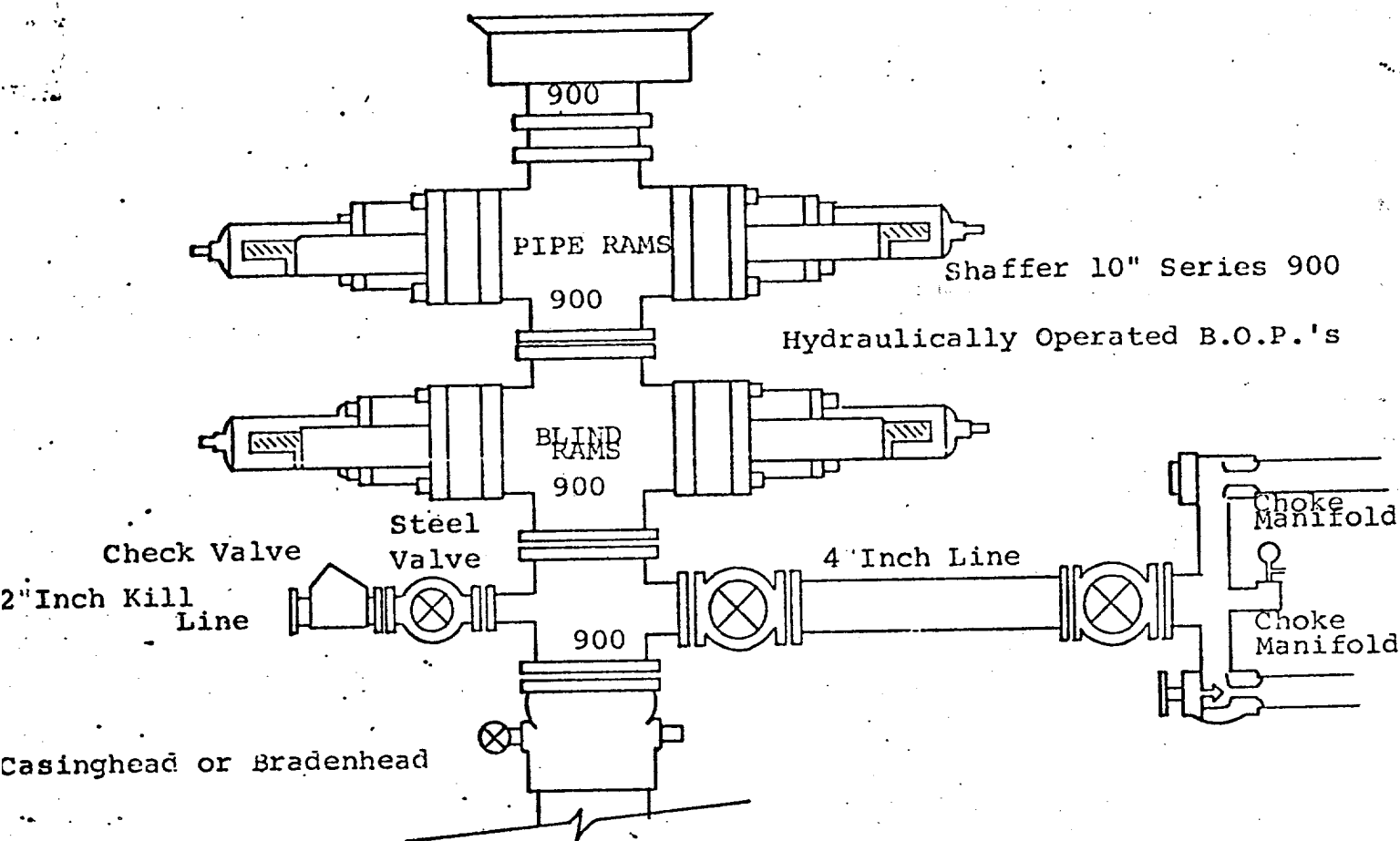
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

*Eddie M. Mahfood*

Date Surveyed  
**2-11-77**

Registered Professional Engineer and/or Land Surveyor

Certificate No.  
**4605**



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. D. P. float must be installed and used below zone of first gas intrusion.