

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Geological, Minerals and Natural Resources Department

Form C-101  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

SEP 28 '90

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

**30-005-62801**

5. Indicate Type of Lease

STATE  FEE

6. State Oil & Gas Lease No.

LG-5246

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

1a. Type of Work:

DRILL  RE-ENTER  DEEPEN  PLUG BACK

b. Type of Well:

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

7. Lease Name or Unit Agreement Name

Pathfinder "AFT" State

2. Name of Operator

Yates Petroleum Corporation

8. Well No.

10

3. Address of Operator

105 South Fourth Street, Artesia, New Mexico 88210

9. Pool name or Wildcat

Diablo - Fusselman

4. Well Location

Unit Letter **50**: 660 Feet From The South Line and 2310 Feet From The East Line

Section 21 Township 10 South Range 27 East NMPM Chaves County

10. Proposed Depth  
 6,500'

11. Formation  
 Fusselman

12. Rotary or C.T.  
 Rotary

13. Elevations (Show whether DF, RT, GR, etc.)  
 3827' GR

14. Kind & Status Plug. Bond  
 Blanket

15. Drilling Contractor  
 Undesignated

16. Approx. Date Work will start  
 As soon as possible

17.

**PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14-3/4"	10-3/4"	40.5#	1000'	700 sacks	Circulate
9-1/2"	7-5/8"	26.4# & 29.7#	TD	As warranted	

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

MUD PROGRAM: FW Ge1/LCM to 1400' Brine to 4800', MF55 - Starch to TD.

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

*Post ID-1  
 10-6-90  
 New Loc + API*

*180  
 4/3/91*

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.

SIGNATURE

*Clifton R. May*

TITLE

Permit Agent

DATE

9-28-90

TYPE OR PRINT NAME

Clifton R. May

(505)

TELEPHONE NO 748-1471

(This space for State Use)

ORIGINAL SIGNED BY  
 MIKE WILLIAMS

APPROVED BY

SUPERVISOR, DISTRICT II

TITLE

DATE

**OCT 3 1990**

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

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 P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

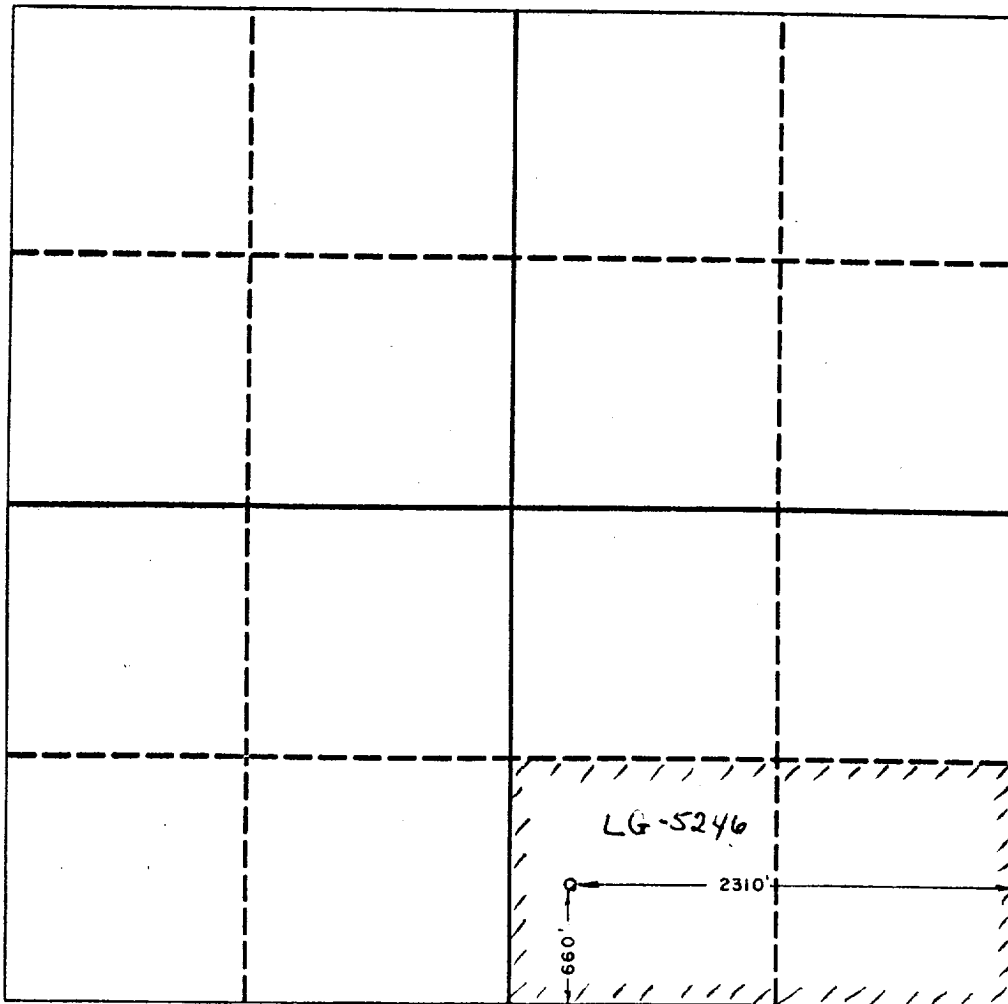
DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>PATHFINDER "AFT" STATE</b>		Well No. <b>10</b>
Unit Letter <b>0</b>	Section <b>21</b>	Township <b>10 SOUTH</b>	Range <b>27 EAST</b>	County <b>CHAVES</b>	
Actual Footage Location of Well: <b>2310</b> feet from the <b>EAST</b> line and <b>660</b> feet from the <b>SOUTH</b> line					
Ground level Elev. <b>3827</b>	Producing Formation <b>FUSSELMAN</b>		Pool <b>DIABLO-FUSSELMAN ASSOC.</b>	Dedicated Acreage: <b>80</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.

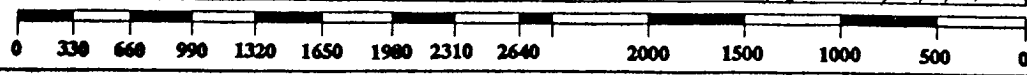


**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

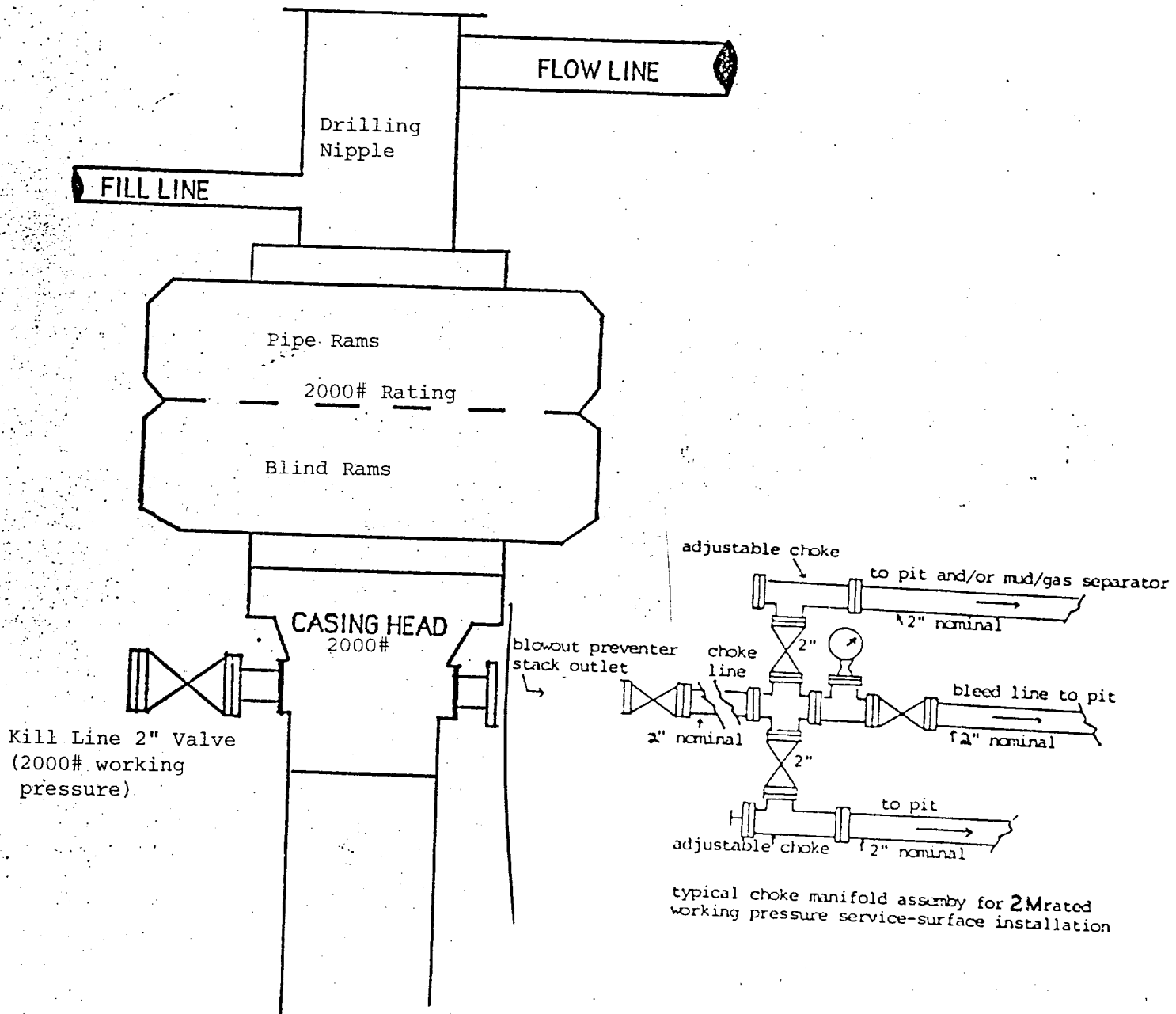
Signature: *Clifton R. May*  
 Printed Name: **CLIFTON R. MAY**  
 Position: **PERMIT AGENT**  
 Company: **YATES PETROLEUM CORP.**  
 Date: **9-28-90**

**SURVEYOR CERTIFICATION**  
 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: **9/27/90**  
 Signature & Seal of Professional Surveyor:  
  
 Certificate No. **403646**



# YATES PETROLEUM CORPORATION



**BLOWOUT PREVENTER  
2M SYSTEM**