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## NEW MEXICO OIL CONSERVATION COMMISSION

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OCT 9 1979

O.C.C.

OFFICE

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 Metcalf LT Com
9. Well No. 1
10. Field and Pool, or Wildcat W. Four-Mile Draw Morrow
12. County Eddy

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

a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name Metcalf LT Com
c. Name of Operator Yates Petroleum Corporation	9. Well No. 1
d. Address of Operator 207 South 4th Street, Artesia, New Mexico 88210	10. Field and Pool, or Wildcat W. Four-Mile Draw Morrow
e. Location of Well UNIT LETTER <u>M</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1100</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>31</u> TWP. <u>18S</u> RGE. <u>26E</u> NMPM	12. County Eddy
11. Elevations (Show whether DF, RT, etc.) 3437' GR	19. Proposed Depth 9350'
21A. Kind & Status Plug. Bond Blanket	19A. Formation Morrow
21B. Drilling Contractor Landis Drilling Company	20. Rotary or C.T. Rotary
22. Approx. Date Work will start Soon As Approved	

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½	13 3/8	48#	Approx. 360'	275 sx	Circulate
12½	8 5/8	24#	Approx. 1120'	550 sx	Circulate
7 7/8	5½ or 4½	15.5-17# 10.5-11.6#	TD	250 sx	

We propose to drill and test the Morrow and intermediate formations. Approx. 360' of surface casing will be set to shut off gravel and cavings, and intermediate casing will be set 100' below the Artesian Water Zone. If commercial, will run 4½" or 5½" with 600' cement cover, will perforate and stimulate as needed for production. Non-Standard location uncontested at NMOCD hearing, Case No. 6681.

MUD PROGRAM: F. W. Gel and LCM to 1120, fresh water to 4000', 2% KCL water to 6300', starch-driskpak-KCL to 8300', Flosal-Driskpak-KCL to TD.

BOP PROGRAM: BOP's and hydril will be installed on the 8 5/8" casing and to be installed before drilling commenced.

GAS NOT DEDICATED.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DAILY COMMENCED,  
EXPIRES 1-12-80

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 W. A. Gressett Title Engineer Date 10/8/79  
(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 12 1979

CONDITIONS OF APPROVAL, IF ANY:

Subject to Case 6681  
10-2-79

Cement must be circulated to  
surface behind 13 3/8" + 8 5/8" casing

Notify N.M.O.C.C. in sufficient  
time to witness cementing  
the 8 5/8" 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.

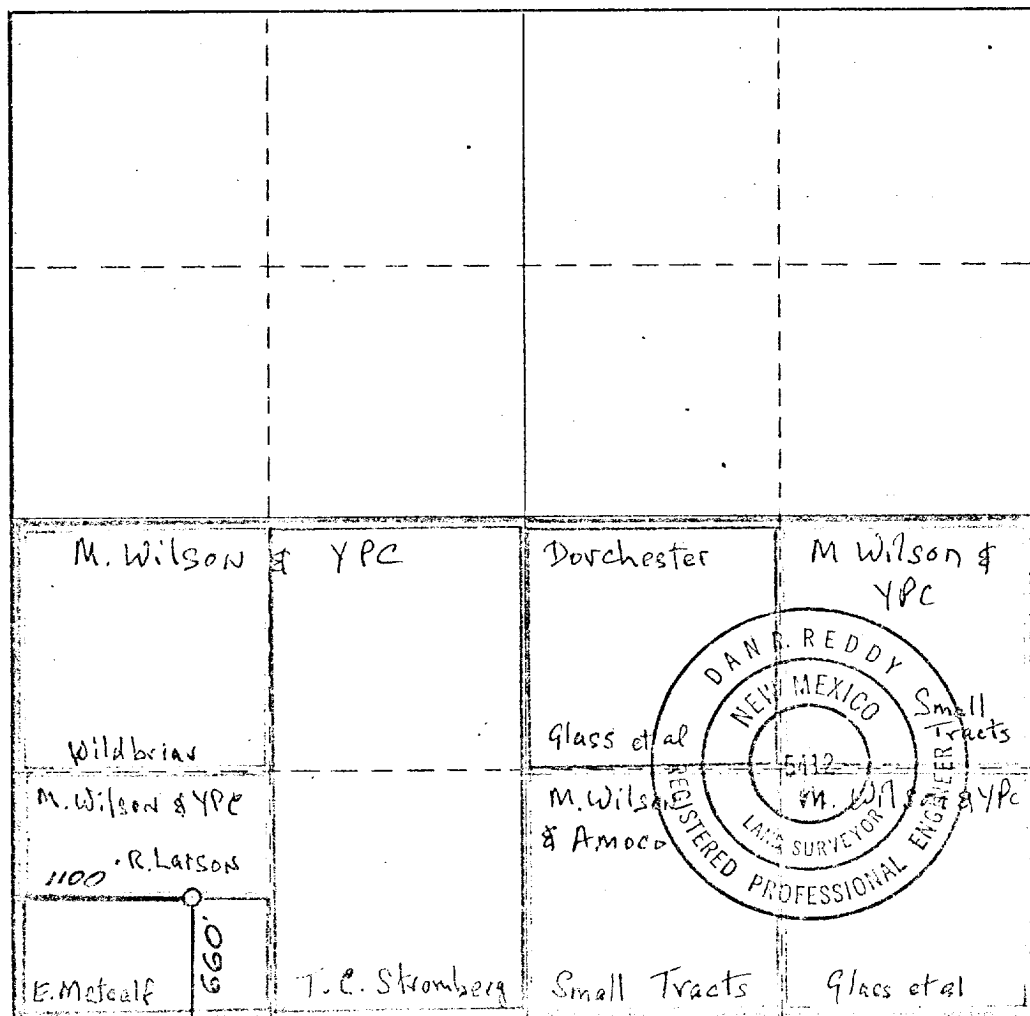
Operator <b>YATES PETROLEUM CORPORATION</b>		Lease <b>Metcalf LT Com</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>31</b>	Township <b>18 South</b>	Range <b>26 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>660</b> feet from the <b>South</b> line and <b>1100</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3437.0</b>	Producing Formation <b>MORROW</b>	Pool <b>W. Four Mile Draw Morrow</b> <del>W. Four Mile Draw</del>	Dedicated Acreage: <b>320</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 To be communitized

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.

Gliserio Rodriguez  
Name

GLISERIO RODRIGUEZ  
Position

GEOGRAPHER

Company

YATES PETROLEUM CORP

Date

10-8-79

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

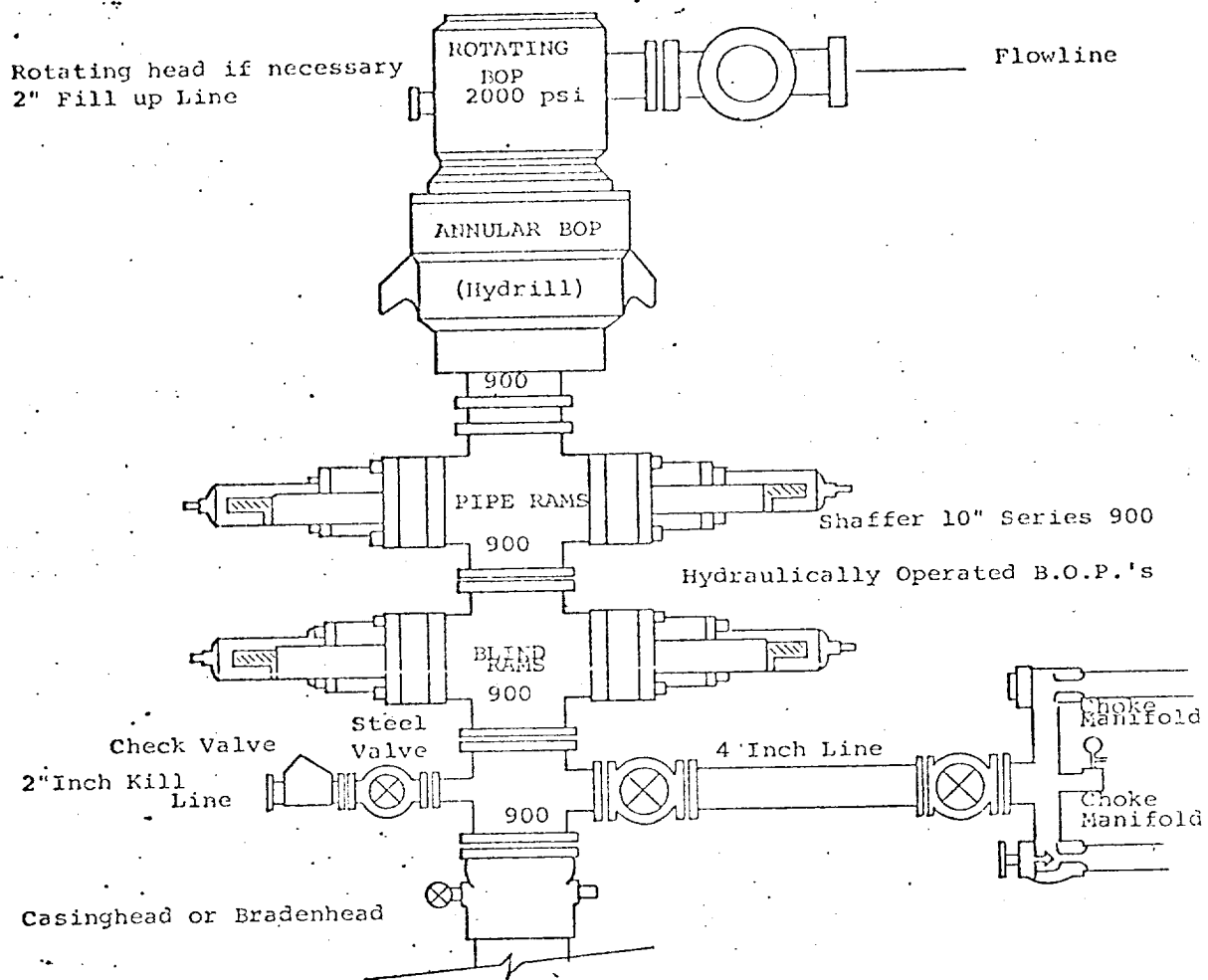
Oct. 6, 1979

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&LS #5412



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.