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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 5 1981

O. C. D.  
ARTESIA, OFFICE

30-015-23762

Form C-101  
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work		5A. Indicate Type of Lease	
		STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
b. Type of Well		5. State Oil & Gas Lease No.	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		V-21	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name	
SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name	
c. Name of Operator		Mesquite "QG" State	
Yates Petroleum Corporation		9. Well No.	
d. Address of Operator		1	
207 South 4th Street, Artesia, NM		10. Field and Pool, or Wildcat	
e. Location of Well		Under Gulwin	
UNIT LETTER L LOCATED 1650 FEET FROM THE South LINE			
AND 990' FEET FROM THE West LINE OF SEC. 32 TWP. 18s RGE. 31e NMPM			
		12. County	
		Eddy	
		19. Proposed Depth	
		approx 3800'	
		19A. Formation	
		Grayburg	
		20. Rotary or C.T.	
		Rotary	
f. Elevations (Show whether DF, RT, etc.)		21A. Kind & Status Plug. Bond	
3559.0 GL		Blanket	
		21B. Drilling Contractor	
		Artesia Fishing Tool	
		22. Approx. Date Work will start	
		ASAP	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
10"	8 5/8"	24# K-55	approx 800'	circulate	
7 7/8"	4 1/2"	15.5# K-55	TD	circulate	

Propose to drill a 10" hole into the top of the salt back off 20' and set 8 5/8" casing at approximately 800' and circulate the cement then reduce hole to 7 7/8" and drill to TD, set 4 1/2" casing and circulate the cement, perforate and sand frac for production.

MUD PROGRAM: Fresh water gel to 800'; cut Brine and gel to TD.

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

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11-6-81  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Therese Rody Title Geographer Date 4-2-81  
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 06 1981

CONDITIONS OF APPROVAL, IF ANY:

Notify this office immediately if water flow is encountered

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

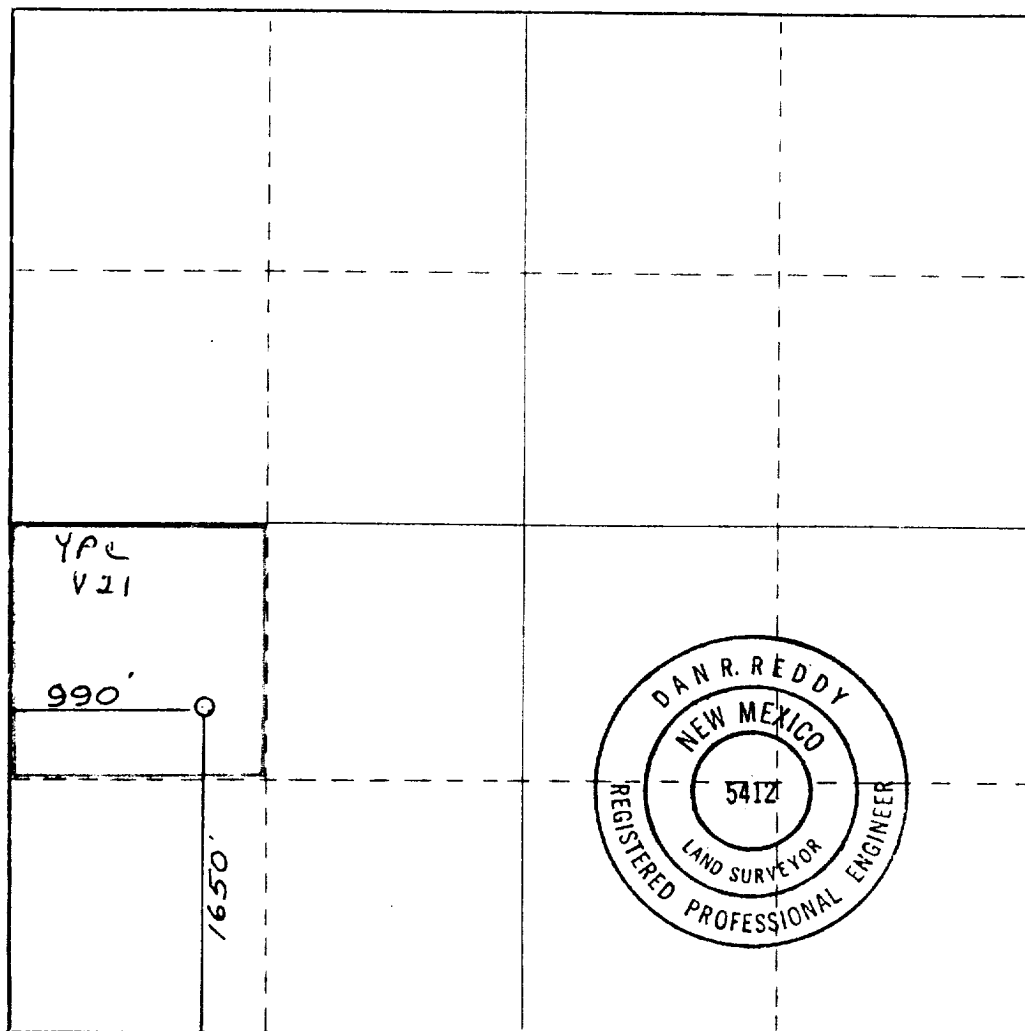
Operator <b>YATES PETROLEUM CORPORATION</b>		Lease <b>Mesquite QG State</b>		Well No. <b>1</b>
Unit Letter <b>L</b>	Section <b>32</b>	Township <b>18 South</b>	Range <b>31 East</b>	County <b>Eddy</b>
Actual Footage Location of Well:				
<b>1650</b> feet from the <b>South</b> line and		<b>990</b> feet from the <b>West</b> line		
Ground Level Elev. <b>3559.</b>	Producing Formation <b>GRAYBURG</b>	Pool <b>Y-SR-Q- SHUGART GRABURG</b>	Dedicated Acreage: <b>40</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 \_\_\_\_\_

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**

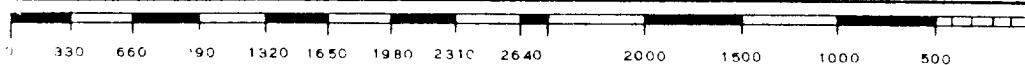
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

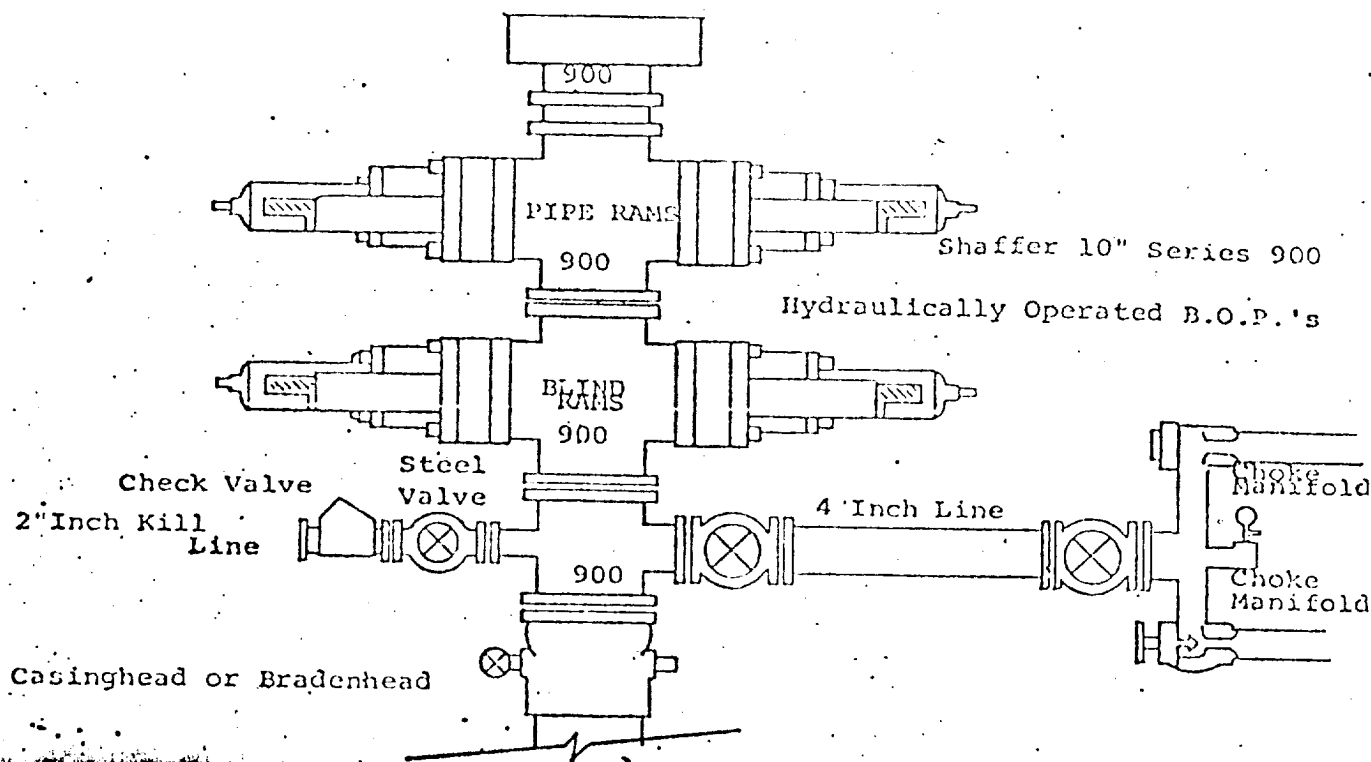
*Gliseria Rodriguez*  
Name  
**GLISERIA RODRIGUEZ**  
Position  
**GEOGRAPHER**  
Company  
**YATES PETROLEUM CORP**  
Date  
**4-6-81**

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  
**March 19, 1981**  
Registered Professional Engineer and/or Land Surveyor

*Dan R. Reddy*  
Certificate No.  
**NM PE&LS #5412**





#### CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. To be hydraulically operated with secondary manual controls.
2. To be capable of drilling out from under casing.
3. To be a minimum of 4" diameter.
4. Kill line to be of all steel construction of 2" minimum diameter.
5. All connections from operating manifolds to preventers to be all steel.
6. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
7. All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
8. Inside blowout preventer to be available on rig floor.
9. Operating controls located a safe distance from the rig floor.
10. Hold must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
11. D. P. float must be installed and used below zone of first gas intrusion.