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NEW MEXICO OIL CONSERVATION COMMISSION
NOV 17 1976

O. C. C.
ARTESIA, OFFICE

30-005-60397
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
K-5999	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		Dunken Dome Unit	
DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name	
SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Dunken Dome Unit	
2. Name of Operator		9. Well No.	
Yates Petroleum Corporation		2	
3. Address of Operator		10. Field and Pool, or Wildcat	
207 South 4th Street - Artesia, NM 88210		Wildcat	
4. Location of Well		12. County	
UNIT LETTER E LOCATED 2310 FEET FROM THE North LINE		Chaves	
AND 990 FEET FROM THE West LINE OF SEC. 7 TWP. 17S RGE. 18E NMPM			
21. Elevation (Show whether D.P., R.L., etc.)		19. Proposed Depth	
5350'		Approx 5000'	
21A. Kind & Status Plug. Bond		19A. Formation	
Blanket		Devonian	
21B. Drilling Contractor		20. Rotary or C.T.	
Byrd Drilling Co.		Rotary	
22. Approx. Date Work will start			
Dec. 7, 1976			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOR
12 1/4"	9-5/8"	32.75#	Approx 1200'	Circulate	
8-3/4"	7" or 5 1/2"	20 or 15.5#	5000'	250	

Propose to drill to the Devonian and test all possible hydrocarbon pays. No surface casing anticipated, but if necessary will ream hole and run 300' of 13-3/8", cement to surface. 9-5/8" casing will be set 150' thru Glorrietta formation. If difficulty is encountered before total depth, will consider running 7" casing and finishing hole with 6 1/4" bit.

Mud Program: - Gel & LCM to 4300', Lo fluid loss mud to total depth

BOP Program: - BOP's will be installed on 9-5/8" casing and tested daily.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 2-18-77

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 Edd L. Hartzel Title Engineer Date 11-16-76

(This space for State Use)

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE NOV 18 1976

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 9 5/8" casing

Notify N.M.O.C.C. in sufficient time to witness cementing the 9 5/8" casing

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.

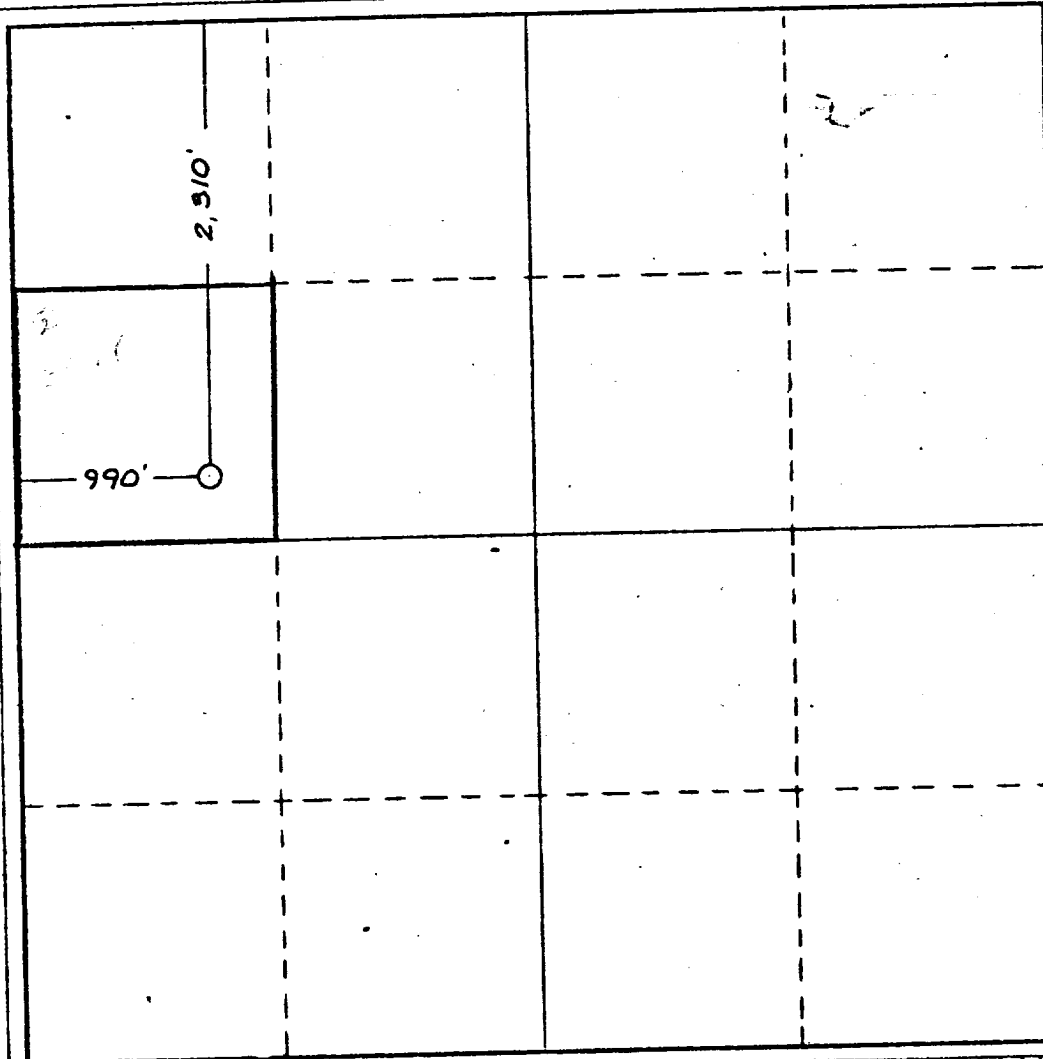
Operator YATES PETROLEUM COMPANY		Lease Duncan Dome Unit		Well No. F 2
Unit Letter "E"	Section 7	Township 17 South	Range 18 East	County Chaves
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 2310 feet from the North line and 990 feet from the West line </div>				
Ground Level Elev. 5350	Producing Formation Devonian	Pool Wildcat	Dedicated Acreage: 38.48 40 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.



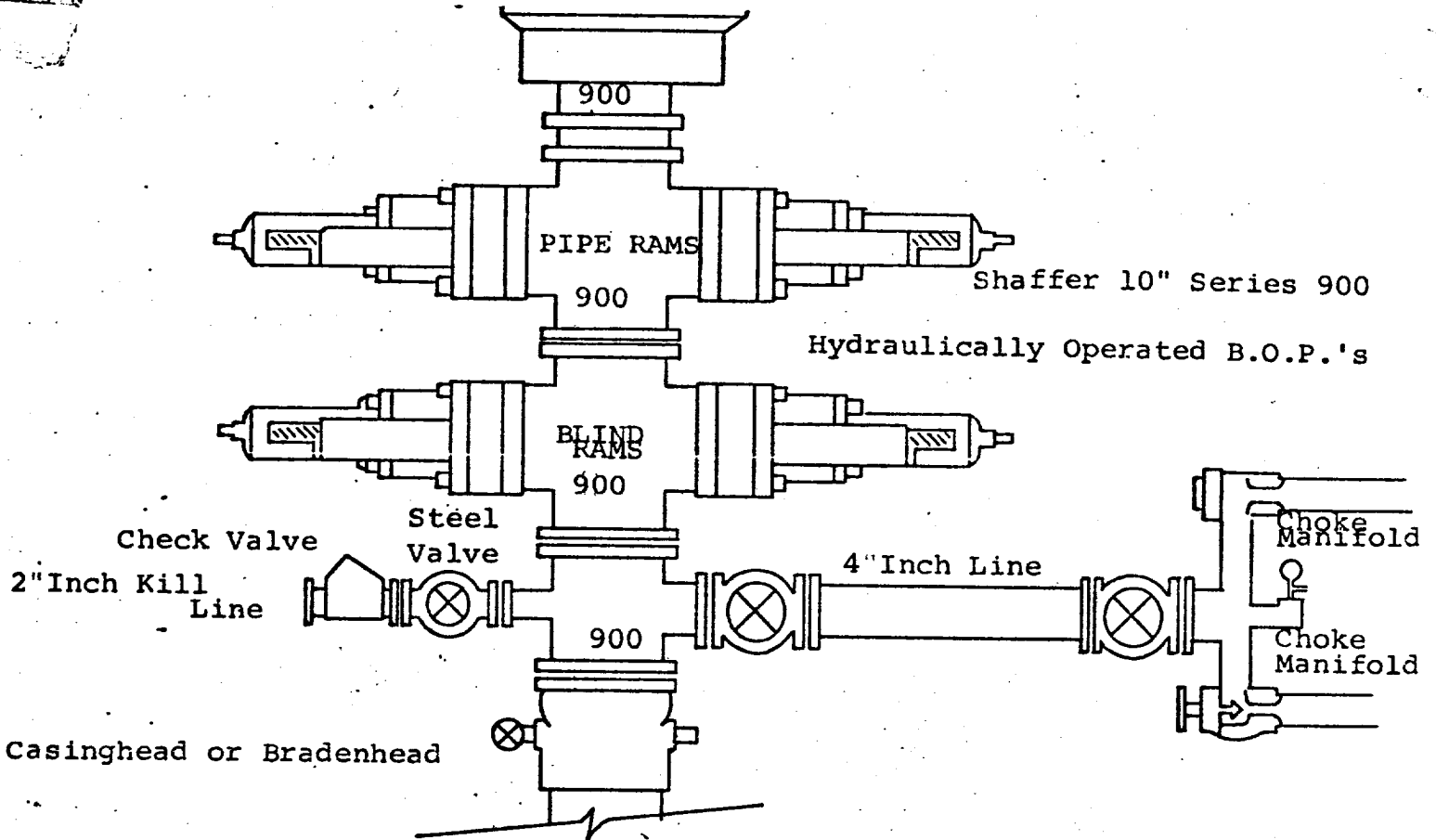
CERTIFICATION

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

Signature: *Eddie M. Mahfood*
 Name: **Eddie M. Mahfood**
 Position: **Engineer**
 Company: **Yates Petroleum Corp.**
 Date: **11-16-76**

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 Survey: **Nov 16 1976**
 Registered and/or Certified: **L. JONES 3640**
 State of New Mexico Registered Land Surveyor



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.