

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

API No. 30-025-26421

5A. Indicate Type of Lease  
STATE  FCC

5. State Oil & Gas Lease No.  
B-2148

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
b. Type of Well  
DRILL  DEEPEN  PLUG BACK   
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

7. Unit Agreement Name  
- - -

8. Farm or Lease Name  
Leamex

2. Name of Operator  
Phillips Petroleum Company

9. Well No.  
20

3. Address of Operator  
Room 401, 4001 Penbrook, Odessa, TX 79762

10. Field and Pool, or Willcat  
Wildcat/Queen

4. Location of Well  
UNIT LETTER B LOCATED 550 FEET FROM THE north LINE  
AND 1703 FEET FROM THE east LINE OF SEC. 23 TWP. 17-S RGE. 33-E NMPM

12. County  
Lea

19. Proposed Depth 4760  
19A. Formation Queen  
20. Rotary or C.T. Rotary  
21. Elevation (Show whether DF, KI, etc.) 4116.3GR  
21A. Kind & Status Plug. Bond Blanket  
21B. Drilling Contractor Rial Drilling  
22. Approx. Date Work will start Upon approval

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	410'	600 sx CI H,	Surface
2% CaCl + 1/4# Cello seal. Circ'd 50 sx					
7-7/8"	4-1/2"	11.6#	4704'	1200 sx TLW,	Surface
10% DD, 12# salt, 1/4" sx Cello seal, 3# sx Gilsonite & tail w/250 sx Class "H" & 8#/sx salt. Circ'd to surface.					

Use mud additives as required for control.

BOP Equipment: Figures 7-9 or 7-10 or 7-11, schematics attached.

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 W. J. Mueller Title Senior Engineering Specialist Date April 25, 1983

(This space for State Use)  
ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APR 27 1983

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

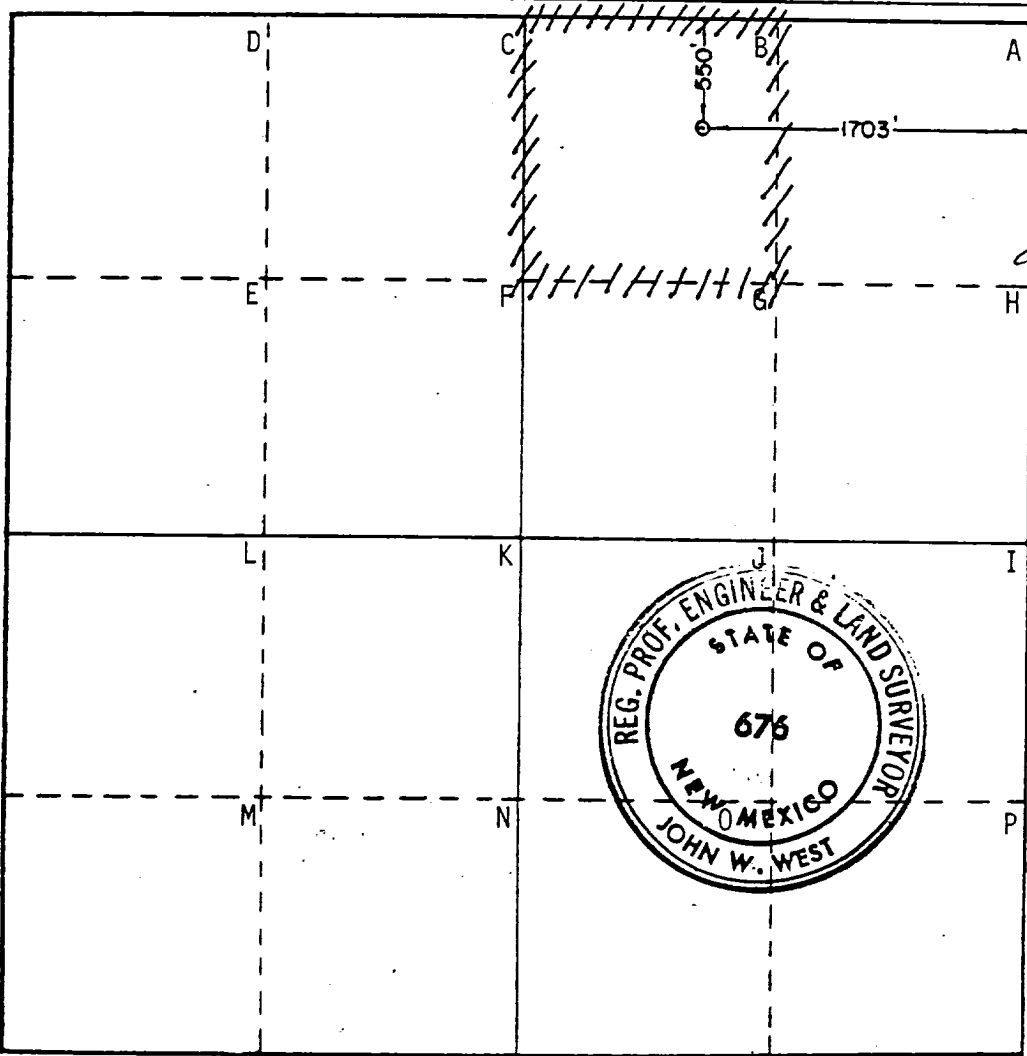
Operator <b>PHILLIPS PETROLEUM COMPANY</b>		Lease <b>LEAMEX</b>			Well No. <b>20</b>
Unit Letter <b>B</b>	Section <b>23</b>	Township <b>17 SOUTH</b>	Range <b>33 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>550</b> feet from the <b>NORTH</b> line and <b>1703</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>4116.3</b>	Producing Formation <b>Queen</b>	Pool <b>Wildcat</b>	Dedicated Acreage: <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.

*[Signature]*  
Name **W. J. Mueller**

Position  
**Senior Engineering Specialist**

Company  
**Phillips Petroleum Company**

Date  
**April 25, 1983**

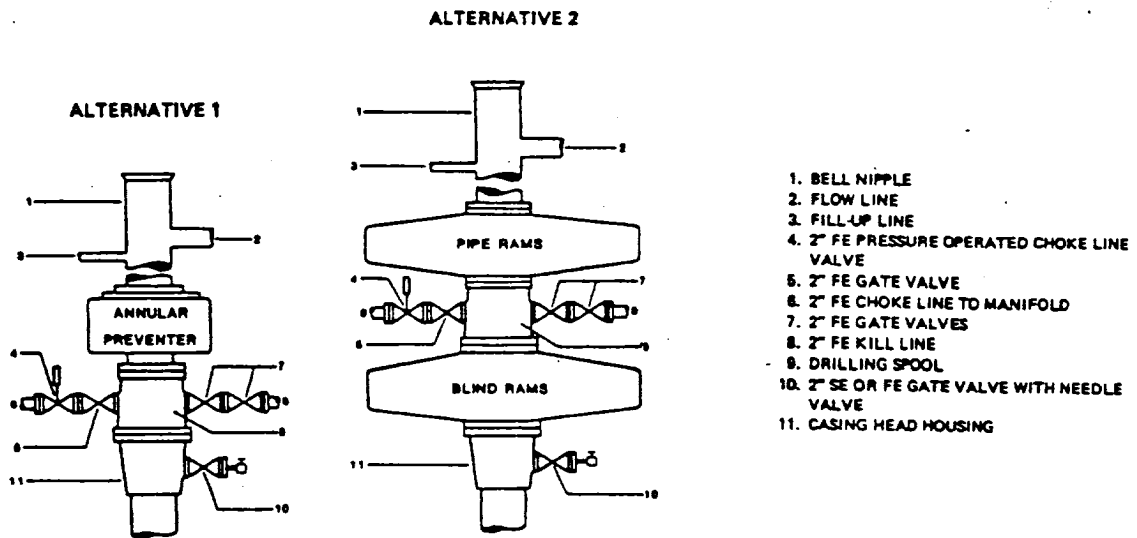
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**JULY 24TH, 1979**

Registered Professional Engineer and/or Land Surveyor  
*[Signature]*

Certificate No. **John W. West 676**

# FIELD PRACTICES AND STANDARDS



NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1

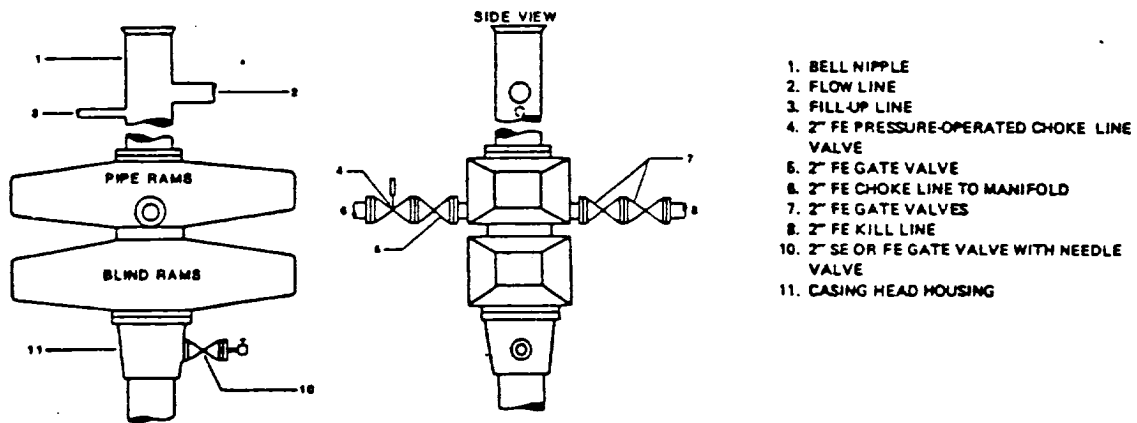
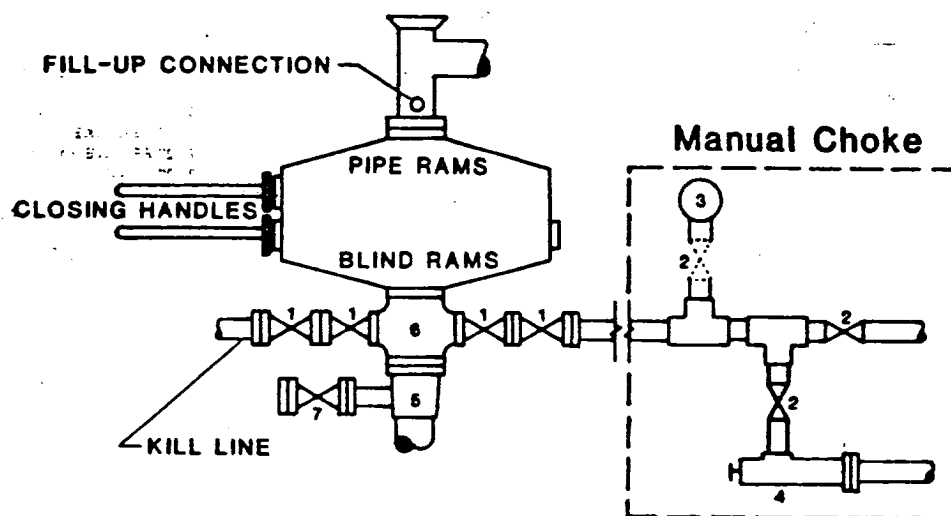


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

## FIELD PRACTICES AND STANDARDS



1. 2" FE VALVE
2. 2" SE VALVE
3. 2" 3000 PSI MUD PRESSURE GAUGE
4. 2" CHOKE
5. CASING HEAD
6. DRLG SPOOL
7. 2" SE OR FE VALVE

Figure 7-11. Standard Blowout Preventer Assembly (2 M or 3 M Manual)