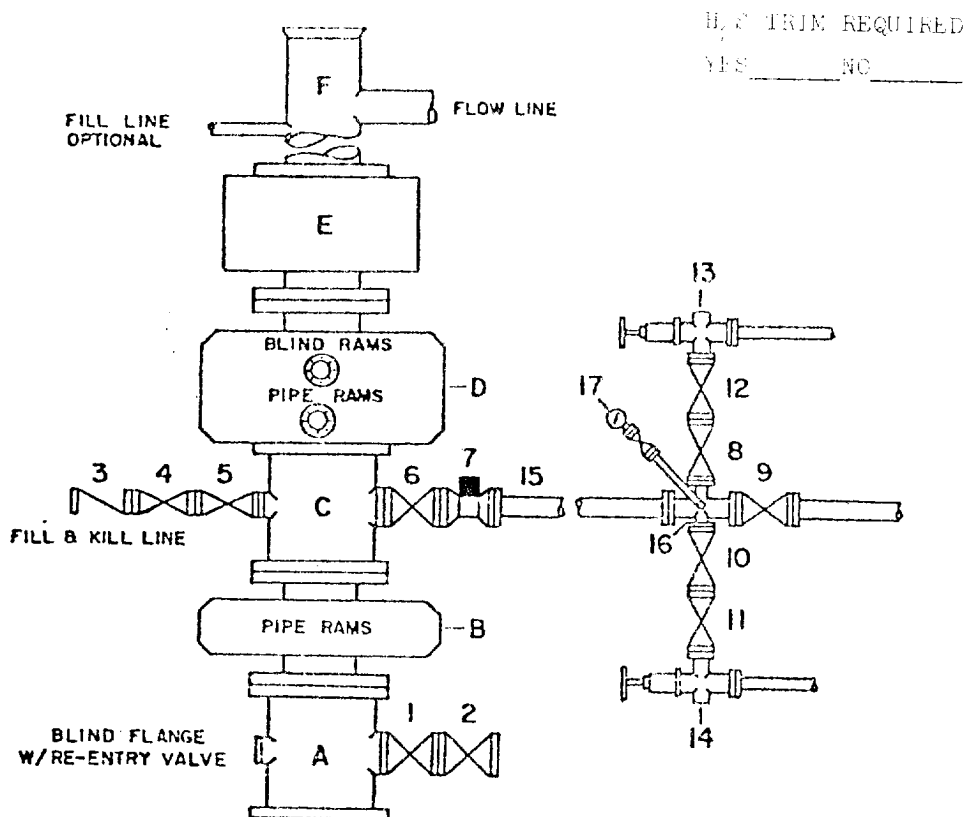


DRILLING CONTROL

CONDITION IV-5000 PSI WP



DRILLING CONTROL

MATERIAL LIST - CONDITION IV

- | | |
|--------------------|--|
| A | Texaco Wellhead |
| B | 5000# Single Ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines |
| C | 5000# W.P. Drilling Spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line. |
| D | 5000# W.P. Dual Ram Type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines |
| E | 5000# W.P. Annular Preventer, hydraulic operated with 1" steel, 3000# W.P. control lines |
| F | Bell Nipple with flowline and fill-up outlets (kill line may also be used for fill-up line). |
| 1,2,4,5,8,10,11,12 | 2" minimum 5000# W.P. flanged full opening steel gate valve or Halliburton Lo Torc plug valve |
| 3 | 2" minimum 5000# W.P. back pressure valve |
| 6,9 | 3" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve |
| 7 | 3" minimum 5000# W.P. flanged hydraulic valve |
| 15 | 3" minimum Schedule 160, Grade B, seamless line pipe |
| 16 | 2" minimum x 3" minimum 5000# W.P. flanged cross |
| 13,14 | 2" minimum 5000# W.P. adjustable chokes with carbide trim |
| 17 | Cameron Mud Gauge or equivalent (location in choke line optional.) |



TEXACO, INC.
PRODUCING DEPARTMENT-U.S. (CENT.)
MIDLAND, TEXAS



SCALE:	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT A