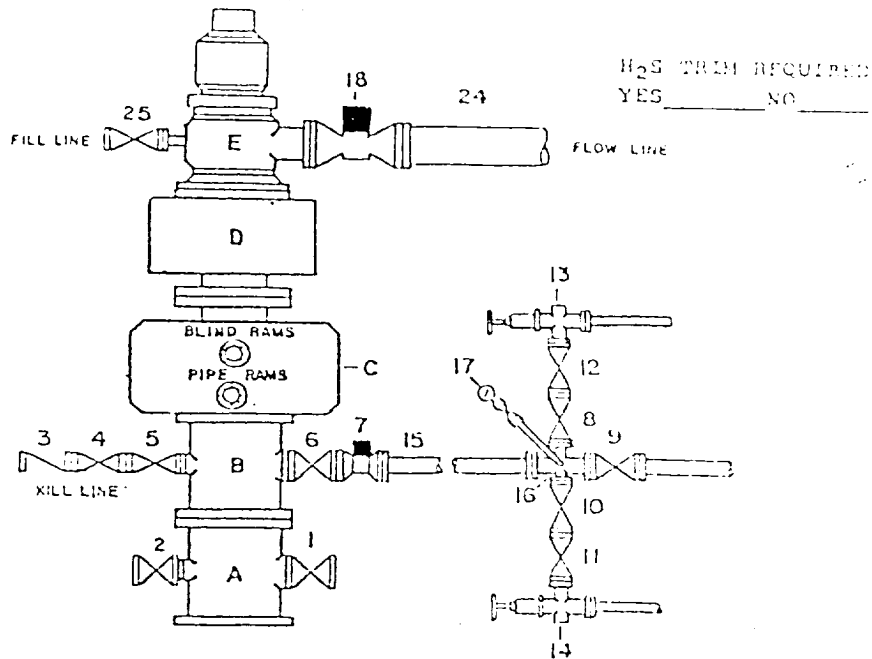


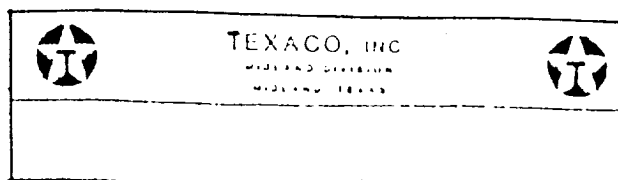
DRILLING CONTROL
CONDITION IV-B-5000 PSI WP



DRILLING CONTROL

MATERIAL LIST - CONDITION IV - B

- | | |
|---------------------------|--|
| A | Texaco Wellhead |
| B | 5000# W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line. |
| C | 5000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines. |
| D | 5000# W.P. Annular preventer, hydraulic operated with 1" steel, 3000# W.P. control lines. |
| E | Rotating Head with fill up outlet and extended Blosse 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" 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). |
| 18 | 6" minimum 1000# hydraulic flanged valve. |
| 24 | 8" minimum steel flow line. |
| 25 | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. |



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