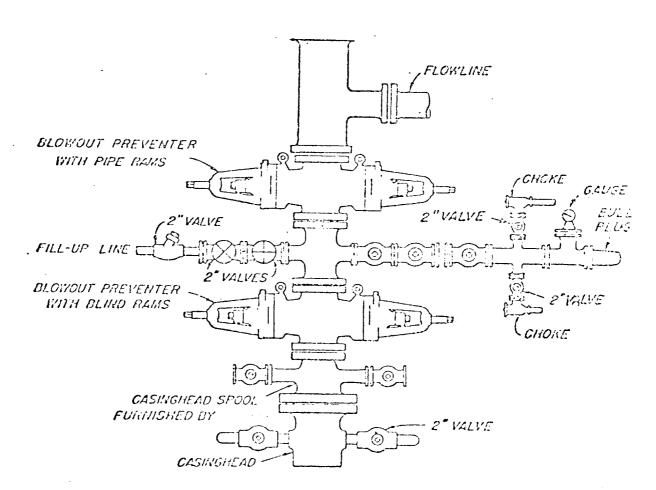
- Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
- Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- Nipple above blow-out preventer shall be same size as casing being drilled through.
- Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
- 5. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000= W.P. (6,000 p.s.i. test), minimum.
- Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000° W.P. (4,000 p.s.i. test), minimum.
- Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
- Spool or cross may be climinated if connections are available in the lower part of the blow-out preventer body.

  9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
- 10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
- 11. Rams in preventers will be installed as follows:

When drilling, use: - Drill pipe rams Top Preventer Bottom Preventer - Blind rams or master valve

When running casing, use: Top Preventer - Casing rams Bottom Preventer - Diing rams or master valve



BLOWOUT PREVENTER HOOK-UP

EXHIBIT D-1 MODIFIED

JUHE 1, 1962

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