## ATTACHTENT "B" <u>NOTES</u>

- Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000= W.P. (5,000 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.

4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.

 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.

- 7. 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.
- Casing head and casing head spool, including attached valves, to be furnished by Ausco.
- 11. Parts in preventers will be installed as follows: When drilling, use: When ru

Top Preventer – Drill pipe rams Bottom Preventer – Blind rams or master valve

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



## BLOWOUT PREVENTER HOOK-UP

EXHIBIT D-I MODIFIED

JUNE 1 1962