

Application for Permit to Drill Government "AD" No. 2

December 8, 1976

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3000 - 11680' - 10" 5000# BOP with blinds, pipe rams, Hydril and rotating head, 5000# choke manifold, 80 gallon accumulator with floor and remote operation station and auxiliary power system, upper and lower kelly cock, inside BOP's for all size equipment in drill string. The BOP and choke manifold will be tested to rated working pressure 5000# by an independent testing company prior to drilling out cement in the 8-5/8" casing.

The pipe rams and Hydril will be actuated at least once each 24 hours and the blind rams each time the drill pipe is out of the hole.

A drill string safety valve in the open position will be maintained on the rig floor at all times while drilling operations are being conducted.

BOP drills will be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.

Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.

A mud/gas separator will be installed after drilling out from under the 8-5/8" so it will be operable by 7500'.

12. Mud Program

- 0 - 600' - fresh water spud mud.
- 600 - 3000' - fresh water. If lost circulation is encountered in the Capitan Reef, dry drill ahead to casing point using periodic vis. sweeps.
- 3000 - 8500' - fresh water, detergent, paper for seepage and Lime for pH control.
- 8500 - 11000' - brine water with caustic for pH control 9.8-10.0#/gal.