Ha. on Operating Company Mac Federal Well No. 1 Unit F, Sec. 7, T9S, R30E Drilling Plan

B. Oil or Gas:

Formation Hydrocarbon · Depth

San Andres Oil 3100

Potentially productive horizons to be protected by  $5-\frac{1}{2}$ " production casing with cement extending to surface.

3. Pressure Control Equipment

See Exhibit "A" for Description and test pressures; Equipment will be tested on a daily schedule.

4. Proposed Casing Program:

Interrval:

- 0-900 Drill 12-1/4" hole to 900 feet. Utilise air drilling system in lieu of mud system. Run deviation surveys at 450 feet while drilling this interval. Run 8-5/8" OD casing, circulate bottoms up, and cement to surface. Should cement not circulate, run temperature survey and 1" to surface. WOC 12 hrs. or until cement reaches F'c=500psi. Nipple up 8-5/8x5½ casing hanger and BOP stack. Test to Rated WP and daily thereafter.
  - 900-3300(TD) Drill 7-7/8" hole to 3300(TD). Utilise air drilling system in lieu of mud system. Lost circulation is not anticipated. Run deviation surveys every 500 feet. Condition hole for running electric logs. At completion of logging, GIH, Circulate, and recondition hole. Make decision to run pipe or P&A. Run 5½" casing from surface to TD and cement to surface; WOC 24hrs, pickup stack, set slips and cut off casing. Release rig, RD & MO.

See Form 3160-3.

5. Mud Program:

AUG 1 3 1996

0-TD Utilise air as drilling fluid.