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

6. Testing, Logging, and Coring Programs:

DSTs:

Proposed: none

Mud Logging

From base of first casing (900 ft.) to TD

Electric / Radioactive Logging

Open Hole Logs:

GR-Caliper-CNL-FDC -- From TD to 900 ft

Cased Hole Logs

GR -- From top of open hole logged

interval to surface

Temperature -- as needed to establish

TOC

Coring:

No Coring is planned at this time. However, rotary sidewall cores may be taken before production casing is run.

7. Abnormal Pressures, Temperatures, or other Hazards:

Lost Circulation Zones:

Zones of lost circulation are not anticipated

High Pressure Zones:

Above normal pressures are not anticipated. Projected Pressure Gradients are:

Interval

Gradient E

Est. Max. BHP

Surface to 3300'

0.433 psi/ft 1429 psi

Hydrogen Sulphide Gas:

Hydrogen sulphide is not normally a problem in the San Andres in this area when drilled with conventional mud porgrams; however, because air is being used as the drilling fluid, appropriate precautions will be taken as outlined below:

I. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H2S).

