

POTENTIAL FOR PERMAFROST AND GAS HYDRATES

AT PROSPECT CORONA

In March of 1985 a transient electromagnetic (TEM) survey was performed at Prospect Corona. The results of the survey indicate that ice bonded permafrost exists from 200' RKB to 370' RKB. Based on this survey, we believe that most, if not all ice bonded permafrost is behind the 30" casing.

Our intention is to treat the 20" casing's hole as if there is permafrost, gas hydrates and free gas. It will be drilled with sea water mud with gel sweeps. The mud system which will be used will be refrigerated to 50-60°F to help prevent thawing of permafrost. A pin connector and diverter will be run so that any flows can be diverted at the surface. It is our intention to drill the 20" hole section as rapidly as possible (maximum 100 ft/hr) and to minimize the time spent in this hole section to minimize possible thaw. On the 20", permafrost cement will be used with a class G tail slurry.

PROPRIETARY