

TEST is a research project that uses cross-country skiing as a "motivational stimulant" for Indian, Eskimo and Metis people of the North. The program began in 1965 in the Northwest Territories, where it has been notably successful under the coaching of Bjorger Pettersen. This is the first time that TEST has extended beyond the borders of the Northwest Territories.

#### PIPELINES AND POLLUTION - THE PROBLEM OF ARCTIC OIL

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Arctic island oil reserves. However, the immediate question is one of pipelines.

It is clear that if the oil and gas reserves of Prudhoe Bay are to be brought to market, they will have to come part, if not the whole of the way by pipeline. In the case of natural gas, I think it will have to be moved all of the way by pipeline and that the likely market would be in the mid-continent region.

We in Canada would welcome the building of such a gas pipeline through our country and would do everything that is reasonable to facilitate this particular development.

With respect to an oil pipeline, it would appear we are facing a somewhat different situation. An oil pipeline would also be acceptable. In other words, if it is felt desirable to build an oil pipeline from Prudhoe Bay direct to the mid-continent market, then a right-of-way through Canada, I am sure can, and will, be made available. However, we shall have to take perhaps more extensive precautions with respect to the manner in which it is built to ensure that the real threat of pollution posed by a possible break in the line is kept to an absolute minimum.

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#### GUIDELINES FOR PIPELINES

...While our attitude towards pipelines must be positive (projects of such dimensions will have a tremendous impact on our economy), many essential non-economic questions must be answered prior to approval being given to such lines. The question really is not whether pipelines will be built but how such lines will be constructed.

Any pipelines built will have to conform to

guidelines set for northern operations. Any line will have to be compatible with the standards - and they will be high standards - set for protecting the northern environment. The financing of the section through Canada will have to be done in a way which will be acceptable to the Canadian Government.

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As you may know, my colleague, the Honourable J.J. Greene and myself last August issued guidelines with respect to pipelines through the North, which clearly indicated that the development of such facilities would be welcome but that there would be certain requirements to be met. The ones that I am most concerned with are the protection of the environment, the impact on the social and economic life of the people, and particularly the opportunities northern residents will have to participate in the construction and operation of the pipeline.

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The Canadian Wildlife Service is now doing a study on the effect of any pipeline on fish and game, including the migrating caribou.

Through the Arctic Land-Use Research Program my Department is collaborating with a number of universities in soil studies and looking at ways of working in, and crossing, fragile tundra.

Already a group of companies is operating a short experimental oil pipeline at Inuvik in the Mackenzie Delta to determine just what does happen when a pipeline is run across the permafrost. They are now completing their second season of research, and with this and other experiments presently taking place, a body of hard data on pipeline construction is being built up which will help us make responsible decisions for the future.

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One of the main motivating forces behind the Canadian Government's desire for the development of its northern areas is the existence of a small, wide-spread, but important segment of our population that lives there - the Eskimo and Indian people. These people want a higher standard of living. They want the opportunity for education, for better housing, for better health, for quality of life that we have. One of the best ways of doing this is to encourage oil and mineral exploration and development, so that these opportunities will be available to our northern peoples on their own ground.

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