



**Notes**

This map is a compilation of seismic maps on shallow horizons taken from reports on terminated development contracts, including: South Ocean Point (Atlantic Refining Co., 1966), Toolik (Atlantic-Richfield Co., 1973), Echooka River (Shell Oil Co., 1963), Sagavan (Atlantic-Richfield Co., 1971), Chandler River (Stclair Oil and Gas Co., 1967), Outpost (BP Exploration Co. (Alaska), Inc.), and South White Hills (Atlantic Refining Co., 1968).

The various maps obviously represent different horizons and vary somewhat in detail. The earlier surveys, in particular, probably include effects of porosity and velocity gradients. Despite these limitations, the surveys show the approximate structural fabric within the younger rocks of the Colville basin. Structures on these seismic horizons correlate well with structures mapped on the surface in the foothills. The Umiat-Marsh Creek boundary marks an apparent change in structural patterns.

Base from Harrison Bay, Beechey Point, Flaxman Island, 1955, Umiat, Sagavaniktok and Mount Michelson, 1956, 1:250,000 U.S. Geological Survey

SEISMIC MAPS OF SHALLOW CRETACEOUS HORIZONS  
EASTERN NORTH SLOPE PETROLEUM PROVINCE, ALASKA

COMPILED BY I.L. TAILLEUR, AND S.E. ENGWICHT 1978

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