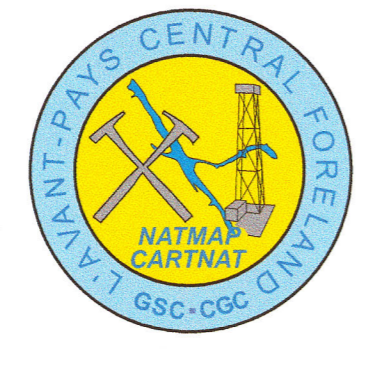




Regional Seismic Compilation of the Plains and Foothills of the Trutch Map Area (94 G), Northeastern British Columbia¹.

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1. Contribution to the Central Forelands NATMAP Program.
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SUMMARY
 Scanned digital copies of approximately 100 seismic lines were acquired from northeastern British Columbia and southeastern Yukon as part of the Central Forelands NATMAP Program of the Geological Survey of Canada. Seismic interpretation of the subsurface in the Trutch map sheet (94G) was undertaken to assist the surface mappers in building their cross-sections by imaging regional structural and stratigraphic features.

Features of Note

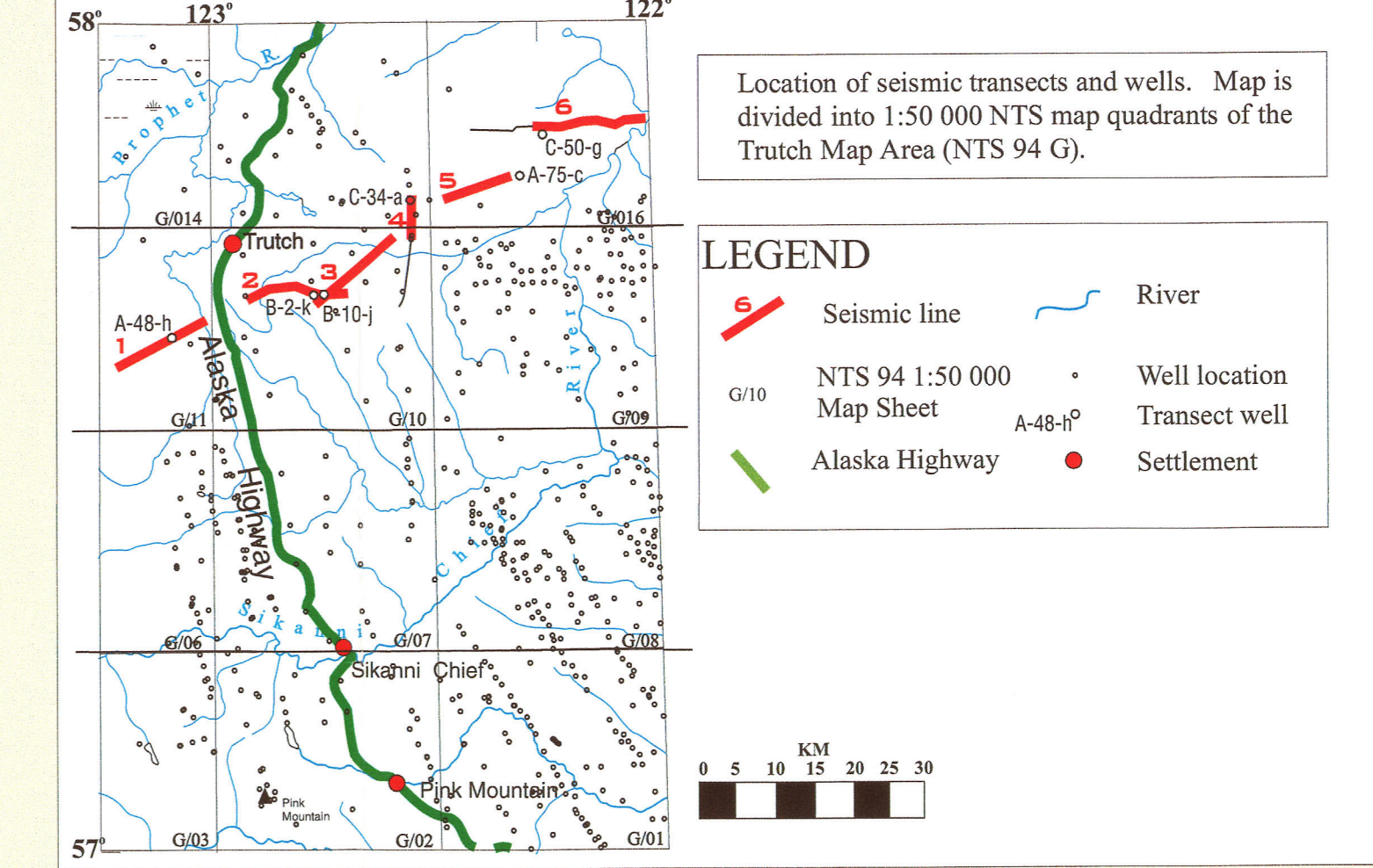
STRATIGRAPHIC

1. The western shale-out boundary of the Upper Devonian (Frasnian) Jean-Marie Member.
2. Erosional thinning of the lower Banff Formation in the Trutch area is evidence of a structural high there during the Carboniferous to mid-Banff time.
3. The sub-Cretaceous unconformity incises progressively deeper eastward into Triassic strata.
4. The subcropping of the Halfway/Liard Fm. reflection marks the eastern limit of the Charlie Lake Fm.

STRUCTURAL

5. Laramide deformation extends eastward under the plains to form an imbricate stack west of the Trutch wells. Overlying strata are gently folded.
6. This structural interpretation of West Minaker invokes a rotated hanging wall block above a triangle zone.

This study presents six lines in two transects across the northeastern part of the Trutch map sheet. The first consists of six seismic lines, uninterpreted and interpreted. The second consists of well data alone. Seismic to borehole correlations were aided by use of synthetic seismic traces generated from Sonic logs.



DATA SOURCES:
 These digital stacks were acquired reconstructed from paper sections at L-V-N-X Information Systems Limited.

LINE 1: (TR-053) Shot by Western Geophysical in 1979 for Hudson's Bay Oil and Gas; 1200% Migrated Stack.

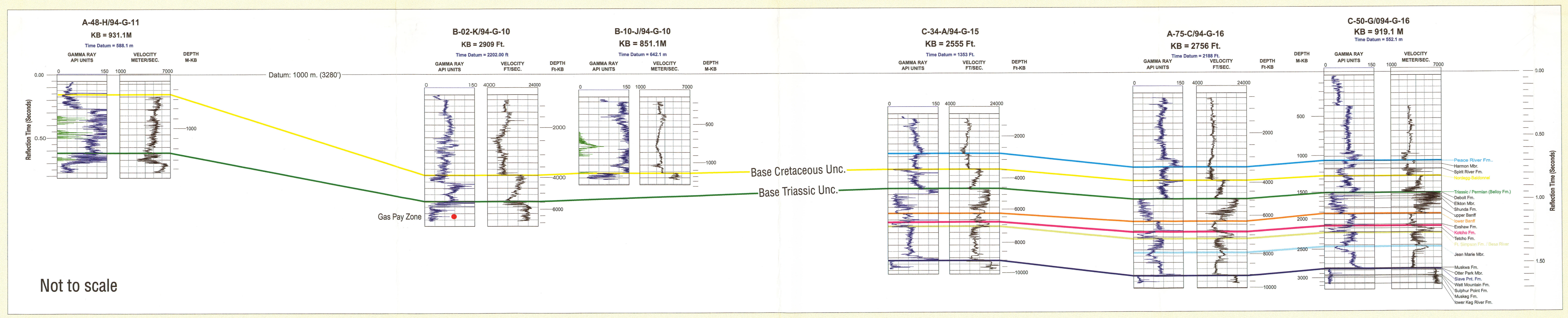
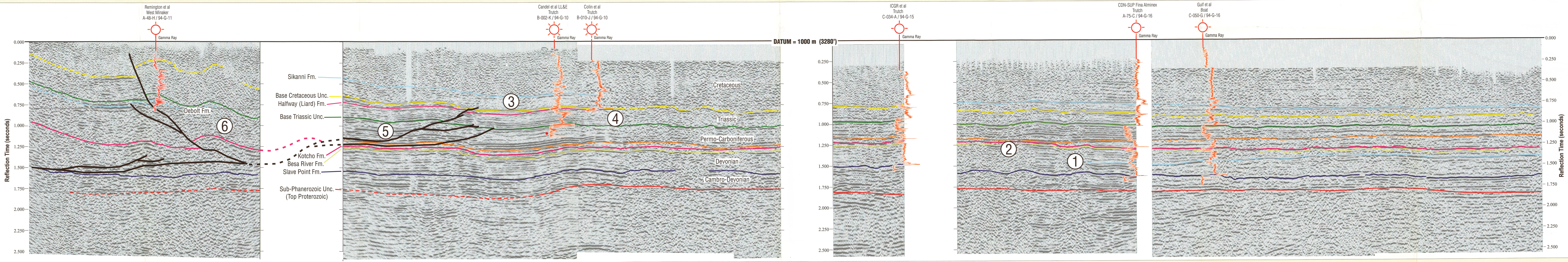
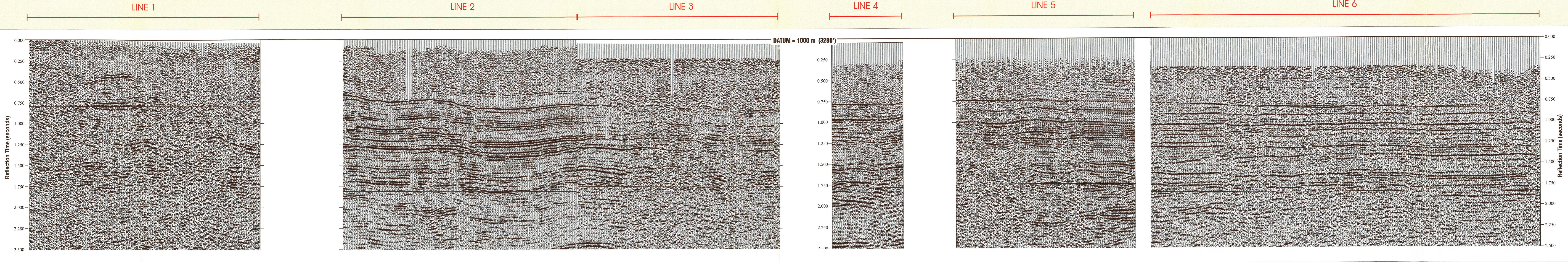
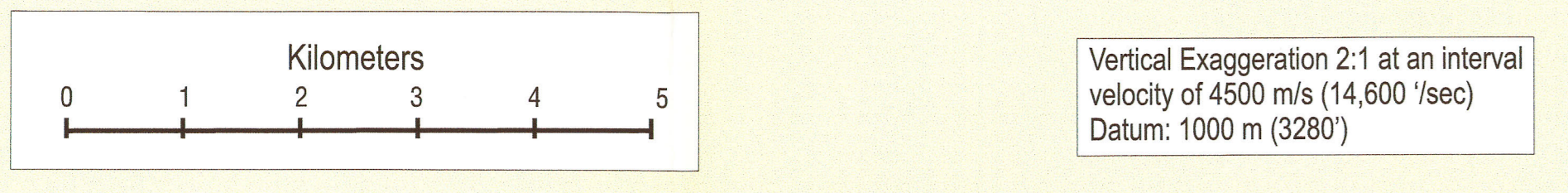
LINE 2: (TR-064) Shot by Western Geophysical in 1977 for Gulf Canada; 2400% Structure Stack.

LINE 3: (TR-050) Shot by Western Geophysical in 1977 for Gulf Canada; 2400% Structure Stack.

LINE 4: (TR-045) Shot by Kenning Exploration in 1977 for Gulf Canada; 1200% Structure Stack.

LINE 5: (TR-027) Shot by United Geophysical in 1976 for Frio Oil Ltd.; 600% Structure Stack.

LINE 6: (TR-004) Shot by United Geophysical in 1979 for Gulf Canada; 1200% Migrated Stack.



Not to scale

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Note: Although every effort has been made to ensure accuracy, this Open File Report has not been edited for conformity with Geological Survey of Canada standards.

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