

Outcrop or felsenmeer examined (bedding not measurable) . Geological boundary (defined, approximate) ... Bedding, tops known (horizontal, inclined, vertical) . . Bedding, estimated from aircraft (inclined) ... Fault, extension (solid circle indicates downthrow side; defined, approximate) ... Fault (assumed projection under cover of younger deposits) . . Fault, undesignated (defined, approximate). Fault, contraction (teeth indicate upthrust side; defined, approximate) . Fault-line scarp (defined, approximate) . . Anticline (arrow indicates plunge; defined, approximate, overturned) . . Anticline and syncline (assumed projection under cover of younger deposits) . Syncline (arrow indicates plunge; defined, approximate) . Fossil locality (GSC catalogue number; Calgary, Ottawa). Stratigraphic type section . . Borehole (dry and abandoned) . . Paleontological age on fossil locality (determined); for explanation of geological time symbols, see Geotectonic Correlation Chart, 1532A . Tentative formational assignment... Geology by D.K. Norris, 1975 SCHEDULE OF WELLS 1. Amerada et al. YT-A No. 1; T.D. 2440 m Chevron SOBC WM Whitefish YT I-05; T.D. 1498 m 3. Chevron SOBC Gulf Ridge YT F-48; T.D. 1869 m 4. Chevron SOBC WM Whitefish YT J-70; T.D. 2128 m 5. Westcoast et al. North Porcupine YT F-72; T.D. 2252 m Note: Well listing is chronological in order of spudding date ACKNOWLEDGMENTS Geological synthesis based on field observations and/or paleontological determinations made by the following geologists and industry geological departments, listed alphabetically, with corresponding years of field activity where applicable: Geological Survey of Canada - E.W. Bamber, 1962; L.D. Dyke, 1970, 1971; W.H. Fritz, 1973; O.L. Hughes, 1962; J.A. Jeletzky, 1959; A.J. Jenik, 1962; E.W. Mountjoy, 1962; W.W. Nassichuk, 1970; B.S. Norford, 1962; A.W. Norris, 1962; D.K. Norris, 1962, 1968, 1973, 1975, 1978; A.E.H. Pedder; T.P. Poulton, 1975; R.A. Price, 1962; G.R. Turnquist, 1962; F.G. Young, 1973. Industry geological departments - California Standard Co. Ltd., 1958, 1960; Chevron Standard Co. Ltd., 1963; Gulf Oil Co. Ltd., 1970; Shell Canada Ltd., 1970, 1971; Texaco Exploration Co. Ltd., 1959, 1970. SCHEMATIC STRATIGRAPHIC RELATIONSHIPS RAT UPLIFT Unconformity.. Petroleum Geology, Geological Survey of Canada Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada Base map at the same scale published by the Surveys and Mapping Branch in 1974 Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa Magnetic declination 1980 varies from 35°57.9' easterly at centre of west edge to 37°43.8' easterly at centre of east edge. Mean annual change 6.4' westerly Elevations in feet above mean sea level NTS REFERENCE AND INDEX TO GSC MAPS SHOWING LINES OF SECTION. FOR STRUCTURE SECTIONS, SEE SHEET 1530A ('Operation Porcupine' outlined by shaded area)

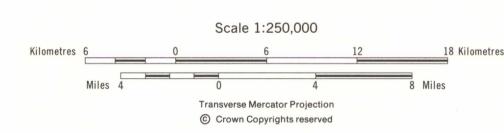
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## **BELL RIVER**

MAP 1519A

GEOLOGY

YUKON TERRITORY - NORTHWEST TERRITORIES



THE STRUCTURE SECTION DIAGRAM AND GEOTECTONIC CORRELATION CHART FOR THE AREA COVERED BY MAPS 1514A TO 1529A ARE AVAILABLE SEPARATELY AS SHEETS 1530A AND 1532A

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