

APPROXIMATE LATE MIDDLE DEVONIAN PALEOLATITUDE 25° N
 (from Habicht, J.K.A., 1979)

ESSO EFFECTIVE OIL POOL OUTLINE

PALEOWIND DIRECTION

SECTION 2

SECTION 3

SECTION 1

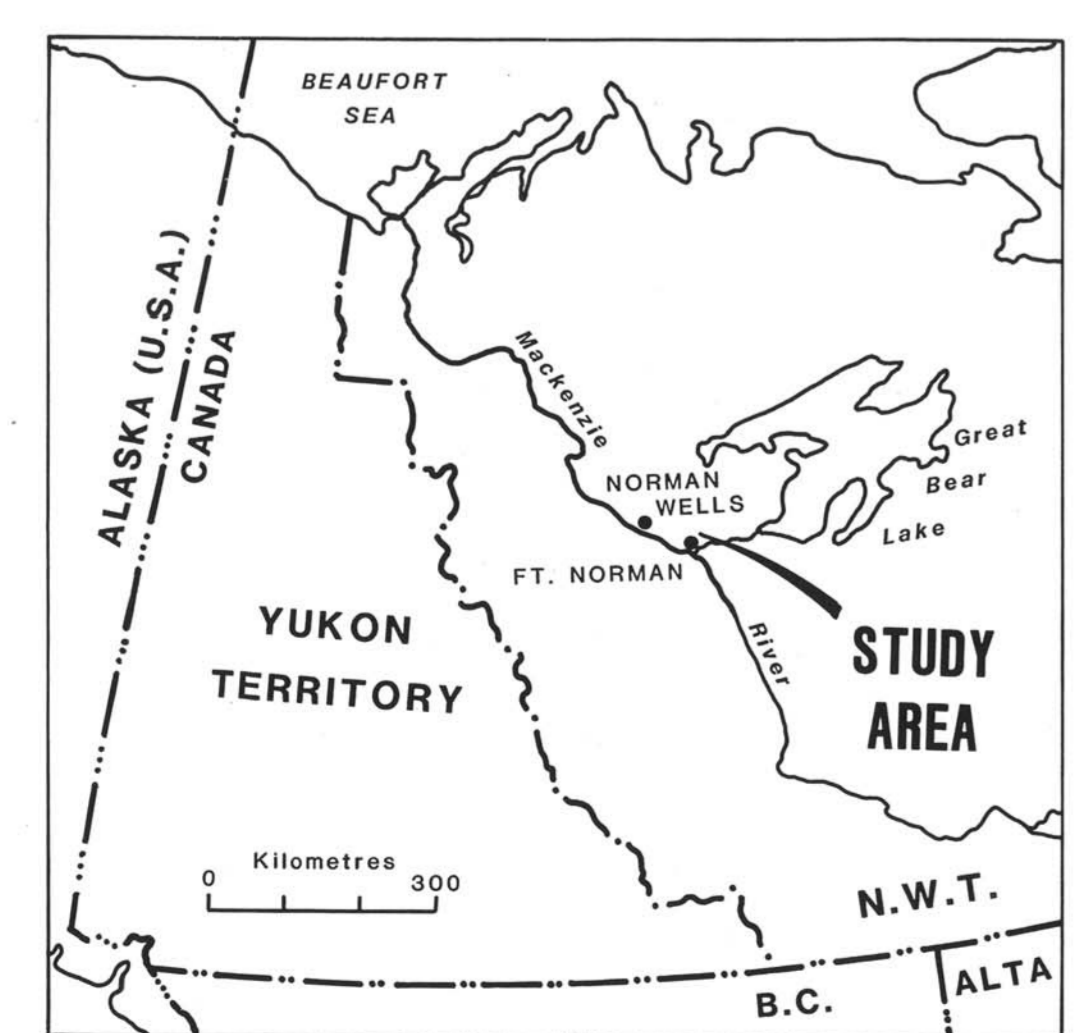
SECTION 3

SECTION 2

LEGEND

- Oil producing well
- ▲ Injection well
- ◇ Proposed well
- Well location
- ⊙ Abandoned well
- Artificial island
- Reef and fore reef facies in Units II and III of the Kee Scarp Reef
- Directionally drilled well ○—○
- Well in which Kee Scarp rock cores were examined ⊙
- Line of facies section ⊙—○
- Thickness of Kee Scarp Formation 151 ⊙
- Isopach of Kee Scarp — 50 —
- Contour interval, 25 metres

Norman Wells reef is approximately 8 kilometres wide and more than 15 kilometres long. Its maximum thickness just exceeds 160 metres. Dip on top of the reef is 56–66 metres per kilometre to the southwest and the oil reservoir occupies the updip eastern portion of the reef. The oil column is approximately 274 metres thick and the effective oil reservoir 110 metres thick. Esso estimate original-oil-in-place of 100 x 10⁶m³ (620 million barrels) of which only four percent has been produced.



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ISOPACH MAP OF THE MIDDLE DEVONIAN KEE SCARP FORMATION REEF AND SHOWING LINES OF LITHOFACIES SECTION
 NORMAN WELLS AREA N.W.T.
 Scale - 1:10 000