LEGEND

- Approximate isopach of Eldon Formation (interval 10 feet) — 200
- Approximate eastern depositional limit of Eldon Formation and equivalents
- Erosional limit of overlying Pika Formation
- Erosional and depositional limit of upper dolomite member of Eldon Formation
- Eastern erosional limit of middle siltstone member of Eldon Formation in northwestern Alberta
- Approximate lithofacies boundary
- Approximate colour boundary in upper dolomite
- Sandstone grain size (medium, fine, very fine) — m f vf
- Eldon Formation (thickness in feet) — 228
- Well location (includes all Cambrian-Precambrian wells)
- Line of section (see figures 12, 13) — W — V
- Reconstructed shoreline
- Assumed drainage

Geology by D.C.Pugh, 1971, 1972

To accompany G.S.C. Paper 72-11 by D. C. Pugh

Cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada, 1972

Well control as of April 30, 1971

Silty dolomite

Upper dolomite, pink - pale buff microcrystalline, partly silicified

Middle siltstone, dolomitic, silicified purple and green shales

Lower dolomite, pale brown-grey, finely crystalline

Erosional edge

Upper dolomite, pale buff-pink-mauve, very finely to microcrystalline

Middle siltstone varicoloured, dolomitic

Lower dolomite, pale brown-grey, finely crystalline

Lower sandstone: white - pink - mauve, good porosity, minor thin dark red shales

Erosional edge

Upper dolomite micro- to finely crystalline

pale buff and pink, brown

Glauconitic siltstone and porous sandstone

Glauconitic siltstone

Upper dolomite - limestone Lower?

Glauconitic siltstone, minor varicoloured shale

Red sandstone and siltstone and minor dolomite

Passes into part of Earlie Formation

Figure 6. Isopach and lithofacies map of Eldon Formation

Scale 1:1,584,000

Miles 25 0 25 50 75 Miles

Kilometres 40 0 40 80 120 Kilometres

Figure 6

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