

82°40' GEOLOGICAL SURVEY  
 43°15'

MAP 823A  
**ESSEX COUNTY**  
 AND PARTS OF ADJACENT COUNTIES  
 SOUTHWESTERN ONTARIO  
 (NORTHERN PART)

SHOWING STRUCTURE CONTOURS DRAWN ON TOP  
 OF THE NORFOLK FORMATION, AND POSITIONS OF  
 WELLS DRILLED TO OBTAIN OIL AND NATURAL GAS

Scale,  $\frac{1}{25000}$  or 1 Inch to 2 Miles

- LEGEND**
- Structure contour on top of Norfolk formation. (Contour interval 20 feet; datum, sea-level) ————
  - Boundary of oil or gas field (approximate) - - - - -
  - Well with initial yield of oil of commercial quantity +
  - Well with initial yield of both oil and natural gas of commercial quantity \*
  - Well with initial yield of natural gas of commercial quantity .
  - Well either dry or with initial yield of oil or natural gas not of commercial quantity x
  - Well for which information is lacking as to whether oil or natural gas in commercial quantity was or was not produced x
  - Salt well o

**NOTE:** The depth, below sea-level, to the top of the Guelph (G) or Trenton (T) formations is indicated at a few wells, for example, -15536 or -24947.

- GAS AND OIL FIELDS**
- 10. Dawn gas and oil field
  - 11. Oil Springs oil field
  - 12. Petrolia oil field

Wells in Sarnia and Plympton townships do not lie within numbered, gas or oil fields.

**NOTE:** The wells shown on this diagram are those whose positions have been determined and for which adequate information is available. In addition, there are wells whose locations are not available, and these, together with the closely spaced wells in the Oil Springs and Petrolia fields, are not shown.

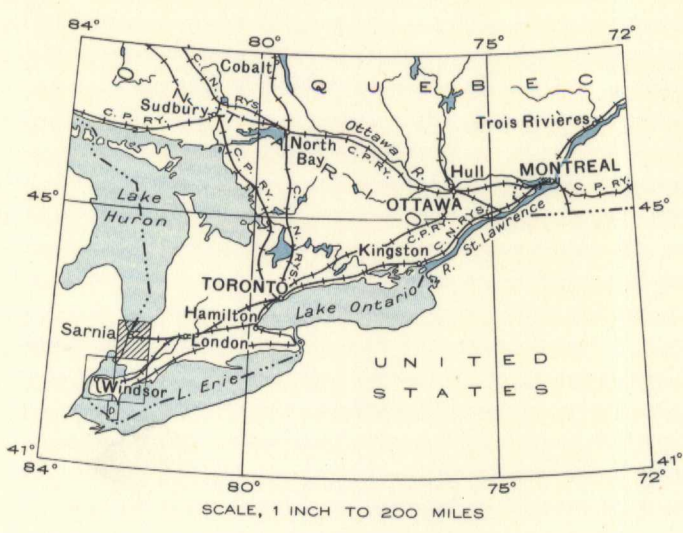
**NOTE 1:** The Oil Springs field (No. 11) contains several hundred wells, and these are too closely spaced to be shown on this diagram.

**NOTE 2:** The Petrolia field (No. 12) contains several thousand wells, and these are too closely spaced to be shown on this diagram. No records are available for many of the older wells in this field.

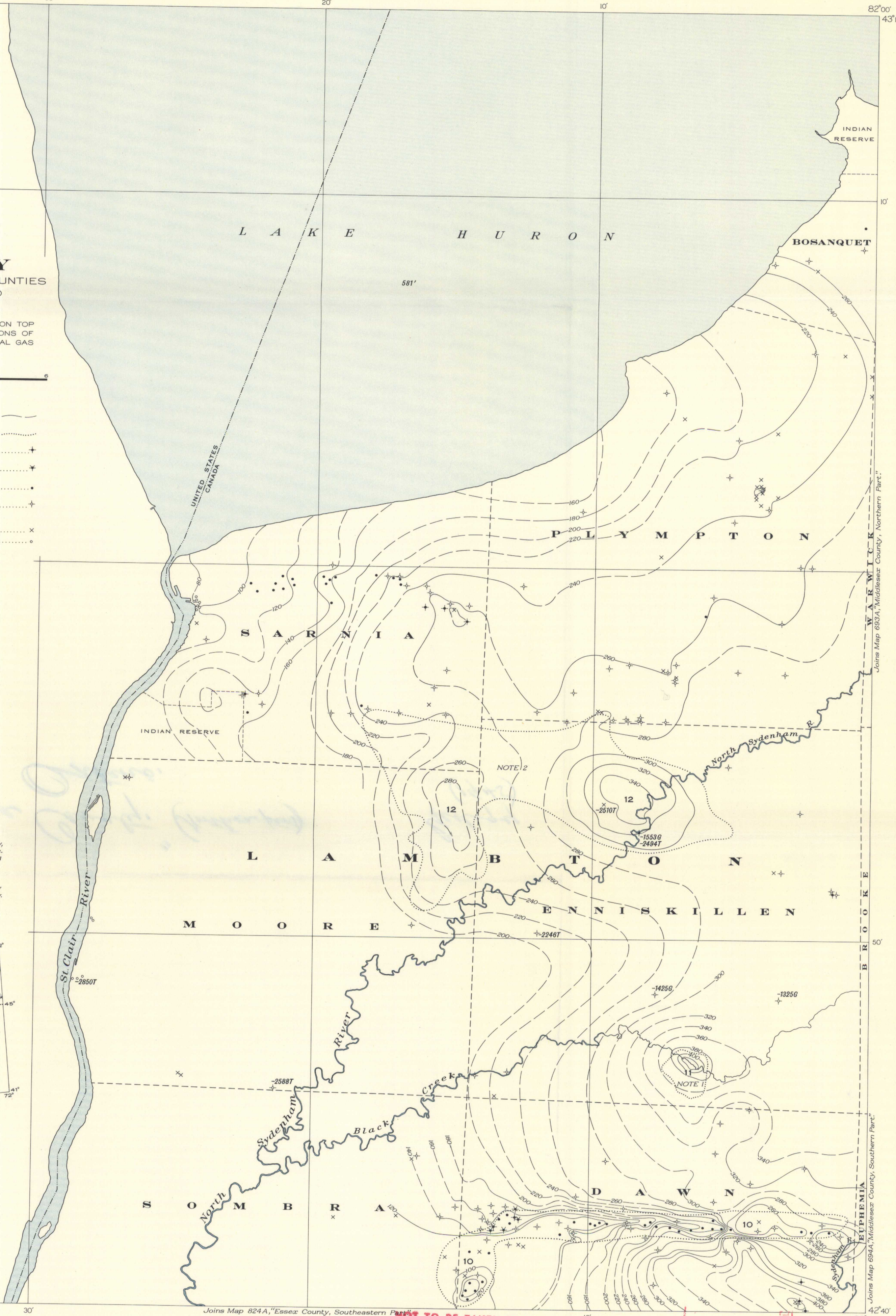
- International boundary. - - - - -
- Township boundary. - - - - -
- Indian Reserve boundary. - - - - -

Base-map prepared by the Topographical Survey, 1944, from published Federal Government maps. Cartography by the Drafting and Reproducing Division, 1944.

To illustrate Memoir No. 240, "Palaeozoic Geology of the Windsor-Sarnia Area, Ontario," by J.F. Calvey.



L. St. Clair  
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Joins Map 824A, "Essex County, Southeastern Part"

Joins Map 693A, "Middlesex County, Northern Part"  
 Joins Map 694A, "Middlesex County, Southern Part"

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