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Open File Report 6191, *An Updated Guide to the Subsurface Paleozoic Stratigraphy of Southern Ontario*; by D.K. Armstrong and T.R. Carter

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Miscellaneous Release—Data 204

An Updated Guide to the Subsurface Paleozoic Stratigraphy of Southern Ontario

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Introduction

This release consists of a digital (PDF) version of the text of Open File Report 6191, plus appendices and large format figures that were not included in the OFR hard copy. MRD 204 and OFR 6191 represent the final products of a project designed to produce an updated version of a 1967 publication of the same name, incorporating new subsurface data and using modern subsurface mapping techniques and interpretative models. Additionally, the present study incorporates reference outcrops and reference cores and their correlation with geological observations and interpretations from petroleum well drill cuttings and geophysical logs. This project was completed as part of the Southern Ontario Hydrocarbon Resource Evaluation and Stratigraphic Synthesis Project using funding provided by Natural Resources Canada under the Targeted Geoscience Initiative 2 program.

MRD 204 Contents Explained

This MRD consists of 1 DVD with the following list of files and folders.

Files include:

OFR6191.pdf - PDF of OGS Open File Report 6191, "An updated guide to the subsurface Paleozoic stratigraphy of southern Ontario" (includes Appendices 2 and 4).

Figure 4.pdf - PDF version of Figure 4 in back pocket of OFR 6191.

Chart A.pdf - PDF version of Chart A in back pocket of OFR 6191; includes Table 4 and Figures 5 to 9.

Chart B.pdf - PDF version of Chart B in back pocket of OFR 6191; includes Figures 10 to 15.

Chart C.pdf - PDF version of Chart C in back pocket of OFR 6191; includes Figures 16 to 21.

Folders include:

Figures 22 to 38 large format cross sections - contains TIFF image files for large format versions of the cross sections presented in Figures 5 to 21 on Chart A, B and C.

Appendix 1 well cards - contains a PDF file with well cards for the 63 reference wells used in this study.

Appendix 3 core photos - contains an explanatory PDF file and sub-folders containing photographs (jpeg files) of whole core boxes and detailed core photographs for 3 reference cores: F005446 Charlotteville, F013561 Fredericksburg-Bath, T006045 Harwich-Chatham. The PDF file includes tables listing all files/photographs in the sub-folders.

Appendix 5 outcrop photos - contains an explanatory PDF file and sub-folders containing photographs (jpeg files) of non-reference and reference outcrops. The PDF file includes tables listing all photograph files within the sub-folders and a location map for all the outcrops. The photographs in the non-reference and reference outcrop sub-folders are grouped into location-based (with respective mapping station numbers) sub-folders.

Appendix 6 cuttings photos - contains an explanatory PDF file and photographs (jpeg files) of representative drill sample cuttings from well T008230 Pembina Howard 1-96-II. Photographs are filed in stratigraphic unit-specific sub-folders.

Appendix 7 ERM Paper 67-2 - contains a PDF version of Ontario Department of Energy and Resources Management (ERM) Paper 67-2; "Guide to the subsurface Palaeozoic stratigraphy of southern Ontario", by R.J. Beards (1967). This folder also includes a sub-folder with high resolution TIFF images of the Enclosures (back pocket map, chart and cross sections) from ERM 67-2.