NWT OPEN REPORT 2007-002 /YUKON OPEN FILE 2007-1

Rock-Eval 6 / TOC analyses from outcrop samples in northern Mackenzie Mountains, eastern Richardson Mountains, and southern Peel Plateau and Plain, Northwest Territories and Yukon, Canada

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Recommended citation

Gal, L.P., Allen, T.L., Fraser, T.A., Hadlari, T., Lemieux, Y., Pyle, L.J., and Zantvoort, W.G., 2007. Rock-Eval 6 / TOC analyses from outcrop samples in northern Mackenzie Mountains, eastern Richardson Mountains, and southern Peel Plateau and Plain, Northwest Territories and Yukon, Canada; Northwest Territories Geoscience Office, NWT Open Report 2007-002 / Yukon Open File 2007-1, 11 page report, Microsoft Excel® spreadsheet and ESRI ArcView® files.

STRUCTURE OF THE OPEN REPORT

NWT Open Report 2007-002 / Yukon Open File 2007-1 includes two .pdf files (2007-002.pdf and this readme.pdf), one spreadsheet file (rockeval6_for_OR.xls), and six ESRI ArcView® files: nwt_peel_2006_RE.dbf, nwt_peel_2006_RE.shp, nwt_peel_2006_RE.shx, yukon_peel_2006_RE.dbf, yukon_peel_2006_RE.shp, and yukon_peel_2006_RE.shx.

To view the *.pdf files, you require Adobe[®] Acrobat[®] Reader, which can be downloaded for free from the website http://www.adobe.com/products/acrobat/readstep2.html. To view the .xls file, Microsoft[®] Windows[®] 95/98/2000/XP with Microsoft[®] Excel[®] is required, or other supporting software. To view the ESRI ArcView[®] files, you require ESRI ArcView[®] 3.x or above, or ESRI

ArcExplorer® map viewer, which can be downloaded for free from the website http://www.esri.com/software/arcexplorer/download.html.

Microsoft ® Excel spreadsheet (.xls)

The data presented in the rockeval6_for_OR.xls file are in the same format as Table 2 in the 2007-002.pdf file. See Table 2 for an explanation of column headings.

ESRI ArcView® files

LABEL

The ArcView[®] files are unprojected. The nwt_peel_2006_RE.dbf and yukon_peel_2006_RE. dbf files contain the Rock-Eval 6 and location data for the collected samples. The columns are organized as follows (explanatory notes and/or units of measurement are indicated for each parameter):

SAMPLE the sample number **QTY** the amount of sample processed in g **S**1 mg hydrocarbon per g rock mg hydrocarbon per g rock S2 production index, S1/(S1+S2) Ы S3 mg CO2 per g rock $^{\circ}C$ **TMAX TPEAK** °C mg CO per g rock S3CO PC% pyrolysable organic carbon weight % total organic carbon in weight percent TOC residual organic carbon weight % RC% hydrogen index = mg hydrocarbons per g TOC HI **OICO** oxygen index (CO), mg CO per g TOC oxygen index, mg CO₂ per g TOC OI MINC% mineral carbon in weight percent S4CO mg CO per g rock mg CO₂ per g rock S4CO2 RCCO% residual organic carbon (CO) weight % mg CO₂ per g rock S4CO23 mg CO₂ per g rock S5ACO2 S5BCO2 mg CO₂ per g rock operating temperature (in °K) of flame ionization detector KFID residual organic carbon (CO₂) weight % RCCO2% name of Formation or other unit from which sample was collected FORMATION Universal Transverse Mercator east coordinate, NAD 83 **UTME** Universal Transverse Mercator north coordinate, NAD 83 **UTMN** S2/S3 ratio of S2 to S3

a number used in labeling Figure 1 in the 2007-002.pdf file