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These data accompany:

Open File Report 6279, *Gas Assessment of the Devonian Kettle Point Formation*

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Users of OGS products are encouraged to contact those Aboriginal communities whose traditional territories may be located in the mineral exploration area to discuss their project.

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Miscellaneous Release—Data 304

## **Geological, Geochemical and Geophysical Data from the Kettle Point Formation Drilling Program, Southern Ontario**

by *C. Béland Otis*

Earth Resources and Geoscience Mapping Section, Ontario Geological Survey, Sudbury.

This publication can be downloaded from

[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=MRD304](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD304)

This data release contains geochemical and geophysical data collected as part of the Kettle Point Formation drilling program that took place in March and April 2010, and is being released in conjunction with Open File Report 6279, *Gas Assessment of the Devonian Kettle Point Formation*. The release consists of 13 geochemistry tables as Microsoft® Excel® 97-2003 (.xls) files, 10 geophysical log (.tif) files and 13 additional geophysical logs as Log ASCII Standard (.las) files. Data are organized in 2 main folders named “Geochemistry” and “Geophysics”.

### **GEOCHEMISTRY FOLDER**

NB: in all files, names of samples collected at the OGS-SG10-01 well include “KP1”, and samples taken at the OGS-SG10-02 well include “KP2”.

*File Name*

*Description of file*

**Cuttings\_location.xls**

Location and depth of cuttings sampled for Rock-Eval® 6 pyrolysis.

**Cuttings\_Rock-Eval pyrolysis.xls**

Results of Rock-Eval® 6 pyrolysis for cuttings.

**Drilling\_Adsorption isotherms.xls**

Results of adsorption isotherms for both OGS-SG-10-01 and OGS-SG10-02 wells.

|   |  |
|---|--|
| <b>Drilling_Gas compo (isotopic).xls</b>  | Results of gas composition, including isotopic composition of methane for both OGS-SG-10-01 and OGS-SG10-02 wells. |
| <b>Drilling_Gas compo (over time).xls</b> | Results of gas composition over time for both OGS-SG-10-01 and OGS-SG10-02 wells.                                  |
| <b>Drilling_Gas content.xls</b>           | Results of gas content for both OGS-SG-10-01 and OGS-SG10-02 wells.  |
| <b>Drilling_GRI.xls</b>                   | Results of standard GRI (Gas Research Institute) parameters for both OGS-SG-10-01 and OGS-SG10-02 wells.           |
| <b>Drilling_Mechanics (dynamic).xls</b>   | Results of dynamic rock mechanics parameters for both OGS-SG-10-01 and OGS-SG10-02 wells.                          |
| <b>Drilling_Mechanics (static).xls</b>    | Results of static rock mechanics parameters for both OGS-SG-10-01 and OGS-SG10-02 wells.                           |
| <b>Drilling_Mineralogy.xls</b>            | Results of mineralogy (by X-Ray diffraction) for both OGS-SG-10-01 and OGS-SG10-02 wells.                          |
| <b>Drilling_Rock-Eval pyrolysis.xls</b>   | Results of Rock-Eval® 6 pyrolysis for both OGS-SG-10-01 and OGS-SG10-02 wells.                                     |
| <b>Drilling_Samples_Canisters.xls</b>     | List of canister samples collected and their associated analyses.  |
| <b>Drilling_Samples_Core.xls</b>          | List of core samples collected and their associated analyses.  |

## **GEOPHYSICS FOLDER**

| <i>File Name</i>                       | <i>Description of file</i>   |
|--|--|
| <b>OGS-SG10-01_CURVES.las</b>          | Logging information for the OGS-SG10-01 well containing depth, accelerometer, tension, caliper, relative bearing, azimuth, deviation, hole azimuth, gamma-ray, bit size.   |
| <b>OGS-SG10-01_DENSITY-NEUTRON.las</b> | Logging information for the OGS-SG10-01 well containing depth, density porosity (base, sandstone, limestone, dolomite), compensated density, PE, density correction, density caliper, neutron porosity (base, sandstone, limestone, dolomite), annular volume, hole volume, gamma-ray, uphole tension, external temperature, bit size.   |
| <b>OGS-SG10-01_DIPS.las</b>            | Logging information for the OGS-SG10-01 well regarding structural measurements.  |
| <b>OGS-SG10-01_IMAGE LOG.tif</b>       | Micro-imager log with interpretations for the OGS-SG10-01 well.  |
| <b>OGS-SG10-01_INDUCTION.tif</b>       | Array induction visual log for the OGS-SG10-01 well.   |
| <b>OGS-SG10-01_MAIN.las</b>            | Logging information for the OGS-SG10-01 well containing depth, external temperature, uphole tension, spontaneous potential, deep conductivity, deep induction, shallow FE, gamma-ray, density correction, PE, density porosity (base, sandstone, limestone, dolomite), compensated density, neutron porosity (base, sandstone, limestone, dolomite), density caliper, hole volume, annular volume, |

|  |  |
|--|--|
|  | medium induction, compensated sonic, bit size. This is the main run for OGS-SG10-01 well.  |
| <b>OGS-SG10-01_MINIPILOT.tif</b>       | Miniplot visual log for the OGS-SG10-01 well.  |
| <b>OGS-SG10-01_NEUTRON-DENSITY.tif</b> | Photo density and dual spaced neutron visual log for the OGS-SG10-01 well.   |
| <b>OGS-SG10-01_REPEAT.las</b>          | Logging information for the OGS-SG10-01 well containing depth, external temperature, spontaneous potential, deep conductivity, deep induction, gamma-ray, density porosity (base, sandstone, limestone, dolomite), PE, density correction, density caliper, neutron porosity (base, sandstone, limestone, dolomite), compensated sonic. This is the repeated run for OGS-SG10-01 well.   |
| <b>OGS-SG10-01_SHEAR.las</b>           | Logging information for the OGS-SG10-01 well containing depth, density caliper, sandstone density porosity, 3-5' compensated sonic, shear delta time, gamma-ray, sandstone neutron porosity, Poisson's ratio, Vp/Vs ratio.   |
| <b>OGS-SG10-01_SONIC.tif</b>           | Compensated visual log for the OGS-SG10-01 well.   |
| <b>OGS-SG10-02_CURVES.las</b>          | Logging information for the OGS-SG10-02 well containing depth, accelerometer, tension, caliper, relative bearing, azimuth, deviation, hole azimuth, gamma-ray, bit size.   |
| <b>OGS-SG10-02_DENSITY-NEUTRON.las</b> | Logging information for the OGS-SG10-02 well containing depth, density porosity (base, sandstone, limestone, dolomite), compensated density, PE, density correction, density caliper, neutron porosity (base, sandstone, limestone, dolomite), annular volume, hole volume, uphole tension, external temperature, bit size.  |
| <b>OGS-SG10-02_DIPS.las</b>            | Logging information for the OGS-SG10-02 well regarding structural measurements.  |
| <b>OGS-SG10-02_IMAGE LOG.tif</b>       | Micro-imager log with interpretations for the OGS-SG10-02 well.  |
| <b>OGS-SG10-02_INDUCTION.tif</b>       | Array induction visual log for the OGS-SG10-02 well.   |
| <b>OGS-SG10-02_MAIN.las</b>            | Logging information for the OGS-SG10-02 well containing depth, gamma-ray, external temperature, uphole tension, spontaneous potential, shallow FE, deep conductivity, deep induction, PE, density correction, density caliper, neutron porosity (base, sandstone, limestone, dolomite), compensated density, density porosity (base, sandstone, limestone, dolomite), medium induction, bit size. This is the main run for OGS-SG10-02 well.     |
| <b>OGS-SG10-02_MINIPILOT.tif</b>       | Miniplot visual log for the OGS-SG10-02 well.  |
| <b>OGS-SG10-02_NEUTRON-DENSITY.tif</b> | Photo density and dual spaced neutron visual log for the OGS-SG10-02 well.   |
| <b>OGS-SG10-02_REPEAT.las</b>          | Logging information for the OGS-SG10-02 well containing depth, gamma-ray, external temperature, uphole tension, spontaneous potential, shallow FE, medium induction, deep induction, density porosity (base, sandstone, limestone, dolomite), PE, density correction, neutron porosity (base, sandstone, limestone, dolomite), compensated density, density caliper, compensated sonic, bit size. This is the repeated run for OGS-SG10-02 well. |

**OGS-SG10-02\_SHEAR.las**

Logging information for the OGS-SG10-02 well containing depth, density caliper, sandstone density porosity, compressional delta time, shear delta time, gamma-ray, sandstone neutron porosity, Poisson's ratio,  $V_p/V_s$  ratio.

**OGS-SG10-02\_SONIC.las**

Logging information for the OGS-SG10-02 well containing depth, 3-5' compensated sonic, gamma-ray, up-hole tension, bit size.

**OGS-SG10-02\_SONIC.tif**

Compensated visual log for the OGS-SG10-02 well.