

## FOREWORD

Geoscience Reports, together with its precursor the Summary of Activities, is in its ninth year of publication. This report is an annual publication of the Petroleum Geoscience Section of the Geoscience and Strategic Initiatives Branch, Oil and Gas Division, BC Ministry of Natural Gas Development. The annual Geoscience Reports summarizes petroleum-related projects undertaken by branch staff and their collaborators within the province of British Columbia. This public geoscience information provides baseline regional data that can be utilized by those embarking on petroleum exploration and development within the province. These reports promote the petroleum resources of the province, and will also support responsible development and the formulation of related policy and regulation.

The 2013 volume of Geoscience Reports contains five articles related to oil and gas research which include:

1. A summary of field activities in the western Liard Basin by Filippo Ferri, which describes two field-related projects in 2012. The first an ongoing regional mapping program within the Toad River map area in conjunction with Margot McMechan of the Geological Survey of Canada and the second an examination of Besa River lithologies in western and northern Liard Basin. Collaborators on this project included Tiffani Fraser of the Yukon Geological Survey, Kathryn Fiess and Leanne Pyle representing the Northwest Territories Geoscience Office and Fabrice Cordey of the University of Lyon.
2. A paper by Ed Janicki, Conventional Oil Pools of British Columbia, describes an upcoming publication which will provide updated information on major oil pools in the province. This has not been made available in a concise format since the mid-1990's
3. An examination of porosity development within Horn River shales by Nick Harris and Tiang Dong of the University of Alberta.
4. A snapshot of the helium potential within natural gas pools of northeast British Columbia by Elizabeth Johnson.
5. A determination of the gas, liquids and oil windows of the Montney Formation based on thermal maturity and well production data by Filippo Ferri, Aaron Nelson, Royalty Branch, Oil and Gas Division, and Mark Hayes of the BC Oil and Gas Commission.

Readers are encouraged to view the British Columbian Oil and Gas Division's website at <http://www.empr.gov.bc.ca/OG/OILANDGAS/Pages/default.aspx> for upcoming publications by the Geoscience and Strategic Initiatives Branch.

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