

Overview

The BC Oil and Gas Commission (Commission) is seeking to build a comprehensive data base of stable isotope information. Industry is reminded that, if collected, stable isotope analysis data for mud gas, headspace gas, produced gas, surface casing flow gas or any other gas associated with a well must be submitted to the Commission within 30 days of completion of the analysis pursuant to section 34(5)(b) of the Drilling and Production Regulation.

In addition, pursuant to section 34 (6.1) of the Drilling and Production Regulation, wells receiving an initial classification of exploratory wildcat or exploratory outpost are required to collect a minimum of 15 mud gas isotope data samples per 1000 metre interval between the base of surface casing and either 1) the total depth in a vertical well, or 2) the point where deviation exceeds 80 degrees from the vertical in a horizontal well. Analysis of the samples must be submitted to the Commission within 30 days of analysis completion.

Selection of sampling intervals is at the discretion of the operator but should focus on those zones most likely to yield viable gas samples such as productive intervals, shale source zones and aquifers.

A preliminary compositional analysis of each sample should be made to determine if sufficient concentrations of compounds are present to allow isotopic analysis. If gas concentrations are sufficient, the minimum isotopic analysis should include determination of stable carbon isotope compositions ($\delta^{13}\text{C}$) from methane, ethane and propane. Any additional analyses performed above the minimum regulatory requirements must also be submitted.

Submission of stable isotope gas analyses must conform to the requirements of the [Well Data Submission Requirements Manual](#).

Questions regarding the collection or submission of stable isotopic data should be directed to:

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Submission Guidelines

Submit:	<ul style="list-style-type: none"> • one PDF and/or • one CSV
Submit to:	welldatamail@bcogc.ca
Naming Convention:	WANUM_ISO_YYYYMMDD_OPTIONAL

Example:

YYYYMMDD is the rig release date. The optional portion of the naming convention may be any alphanumeric text up to forty characters in length. For example, the submission of an Isotopic Analysis for WA11122 with an isotopic analysis date of October 1, 2015 would be:

11122_ISO_2015OCT01_IsotopicAnalysis.PDF
 11122_ISO_2015OCT01_IsotopicAnalysis.CSV