

# Accepted Manuscript

A new Mississippian biozonal scheme for the Finnmark Platform, Norway – Palynostratigraphic integration of exploration wells 7128/4-1 and 7128/6-1

Gilda Lopes, Duncan McLean, Gunn Mangerud, Geoff Clayton



PII: S0264-8172(18)30048-5

DOI: [10.1016/j.marpetgeo.2018.02.004](https://doi.org/10.1016/j.marpetgeo.2018.02.004)

Reference: JMPG 3232

To appear in: *Marine and Petroleum Geology*

Received Date: 9 May 2017

Revised Date: 30 January 2018

Accepted Date: 4 February 2018

Please cite this article as: Lopes, G., McLean, D., Mangerud, G., Clayton, G., A new Mississippian biozonal scheme for the Finnmark Platform, Norway – Palynostratigraphic integration of exploration wells 7128/4-1 and 7128/6-1, *Marine and Petroleum Geology* (2018), doi: 10.1016/j.marpetgeo.2018.02.004.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**A new Mississippian biozonal scheme for the Finnmark Platform, Norway –  
palynostratigraphic integration of exploration wells 7128/4-1 and 7128/6-1**

Gilda Lopes<sup>a,\*</sup>, Duncan McLean<sup>b</sup>, Gunn Mangerud<sup>a</sup>, Geoff Clayton<sup>c</sup>

<sup>a</sup>*Department of Earth Science, University of Bergen, Post box 7803 N-5020 Bergen, Norway,*

*Gilda.Lopes@uib.no; Gunn.Mangerud@uib.no*

<sup>b</sup>*MB Stratigraphy Limited, 11 Clement Street, Sheffield, S9 5EA, UK,*

*mbstratigraphy@gmail.com*

<sup>c</sup>*Department of Animal and Plant Sciences, University of Sheffield, Sheffield S10 2TN, UK,*

*g.clayton@sheffield.ac.uk*

\* Corresponding author: Department of Earth Science, University of Bergen, Post box 7803  
N-5020 Bergen, Norway; gildalopes@gmail.com

**Abstract**

A new biozonal scheme for the Mississippian succession in the Finnmark Platform, offshore Norway, is presented. Palynological analysis of exploration wells 7128/4-1 and 7128/6-1 that penetrated the Billefjorden Group, allow integration of all of the Mississippian palynological data from the region, providing better age constraint, and correlation of the sedimentary successions on the Finnmark Platform. Two new biozones and three subzones are described, in ascending stratigraphic order: the *Granulatisporites granulatus* Biozone (mid to late Viséan), consisting of the *Potoniespores delicatus* Subzone (mid Viséan), the *Monilospora mutabilis* Subzone (late Viséan) and the *Convolutispora vermiformis* Subzone (late Viséan), and the *Tripartites vetustus* Biozone (late Viséan). The new biozones are

Download English Version:

<https://daneshyari.com/en/article/8909103>

Download Persian Version:

<https://daneshyari.com/article/8909103>

[Daneshyari.com](https://daneshyari.com)