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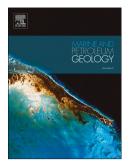
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#### ACCEPTED MANUSCRIPT

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

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#### **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 Visean), consisting of the *Potoniespores delicatus* Subzone (mid Visean), the *Monilospora mutabilis* Subzone (late Visean) and the *Convolutispora vermiformis* Subzone (late Visean), and the *Tripartites vetustus* Biozone (late Visean). The new biozones are

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