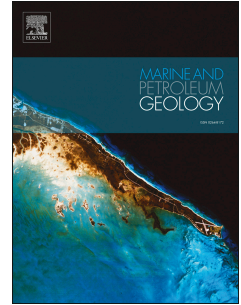


# Accepted Manuscript

Spatial variability in depositional reservoir quality of deep-water channel-fill and lobe deposits

Daniel Bell, Ian A. Kane, Anna S.M. Pontén, Stephen S. Flint, David M. Hodgson, Bonita J. Barrett



PII: S0264-8172(18)30301-5

DOI: [10.1016/j.marpetgeo.2018.07.023](https://doi.org/10.1016/j.marpetgeo.2018.07.023)

Reference: JMPG 3427

To appear in: *Marine and Petroleum Geology*

Received Date: 29 March 2018

Revised Date: 19 July 2018

Accepted Date: 23 July 2018

Please cite this article as: Bell, D., Kane, I.A., Pontén, A.S.M., Flint, S.S., Hodgson, D.M., Barrett, B.J., Spatial variability in depositional reservoir quality of deep-water channel-fill and lobe deposits, *Marine and Petroleum Geology* (2018), doi: 10.1016/j.marpetgeo.2018.07.023.

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.

1 **Spatial variability in depositional reservoir quality of deep-water channel-fill and lobe**  
2 **deposits**

3 Daniel Bell<sup>1\*</sup>, Ian A. Kane<sup>1</sup>, Anna S. M. Pontén<sup>2</sup>, Stephen S. Flint<sup>3</sup>, David M. Hodgson<sup>4</sup> and  
4 Bonita J. Barrett<sup>4</sup>

5

6 <sup>1</sup> SedRESQ, School of Earth and Environmental Sciences, University of Manchester,  
7 Manchester, M13 9PL, U.K.

8 <sup>2</sup> Equinor ASA, Research Center Rotvoll, NO-7005 Trondheim, Norway

9 <sup>3</sup> Stratigraphy Group, School of Earth and Environmental Sciences, University of Manchester,  
10 Manchester, M13 9PL, U.K.

11 <sup>4</sup> Stratigraphy Group, School of Earth and Environment, University of Leeds, Leeds, LS2 9JT,  
12 U.K

13 Email: daniel.bell-2@manchester.ac.uk

14 Keywords: deep-water sedimentology, reservoir quality, turbidites, submarine channel, submarine  
15 lobe, Pyrenees, process sedimentology, sedimentary petrology

16 **Abstract**

17 Initial porosity and permeability in deep-water systems is controlled by primary sedimentary  
18 texture and mineralogy. Therefore, understanding the sedimentary processes that control  
19 changes in primary texture is critical for improved reservoir quality predictions. A well-  
20 constrained, exhumed submarine lobe in the Jaca Basin, and a submarine channel-fill element in  
21 the Aínsa Basin, northern Spain, were studied to characterize the depositional reservoir quality in

Download English Version:

<https://daneshyari.com/en/article/8908935>

Download Persian Version:

<https://daneshyari.com/article/8908935>

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