

Springer

1st
edition1st ed. 2019, XXV, 104 p.
72 illus., 70 illus. in color.**Printed book**

Softcover

Printed book

Softcover

ISBN 978-3-030-15823-1

£ 44,99 | CHF 59,00 | 49,99 € |

54,99 € (A) | 53,49 € (D)

Available

Discount group

Science (SC)

Product category

Brief

Series

SpringerBriefs in Earth System Sciences

Earth Sciences : Geotechnical Engineering & Applied Earth Sciences

Pardo Echarte, M.E., Rodríguez Morán, O., Delgado López, O.

Non-seismic and Non-conventional Exploration Methods for Oil and Gas in Cuba

- **Presents the results of non-seismic exploration methods in various regions of Cuba**
- **Includes morphotectonic regionalization of the seas south of Cuba using the Digital Elevation Model**
- **Includes 66 figures, most of which are in full color**

This book assesses the use of various non-seismic and non-conventional oil and gas exploration methods in Cuba. In addition to discussing the benefits of these methods, the book demonstrates how they can be combined with geological data and conventional methods, leading to a better evaluation of prospects and exploration risks. The authors describe how potential new gaso-petroleum sites in the Pina-Ceballos and Sancti Spiritus regions can be effectively mapped. The geophysical-geochemical exploration techniques combined in the Redox Complex method are used to identify and evaluate these sites. Areas of interest are mapped based on the presence of a combination of indicator anomalies, mainly derived using gravimetric, aeromagnetic and airborne gamma spectrometry. The geochemical study concentrates on two petroleum-rich regions, one in northern and one in southern Cuba. The scope also includes the seas to the south of Cuba, which are studied with non-seismic exploration tools such as the Digital Elevation Model, which employs morphotectonic regionalization.

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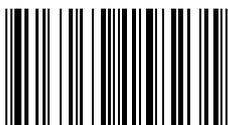
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