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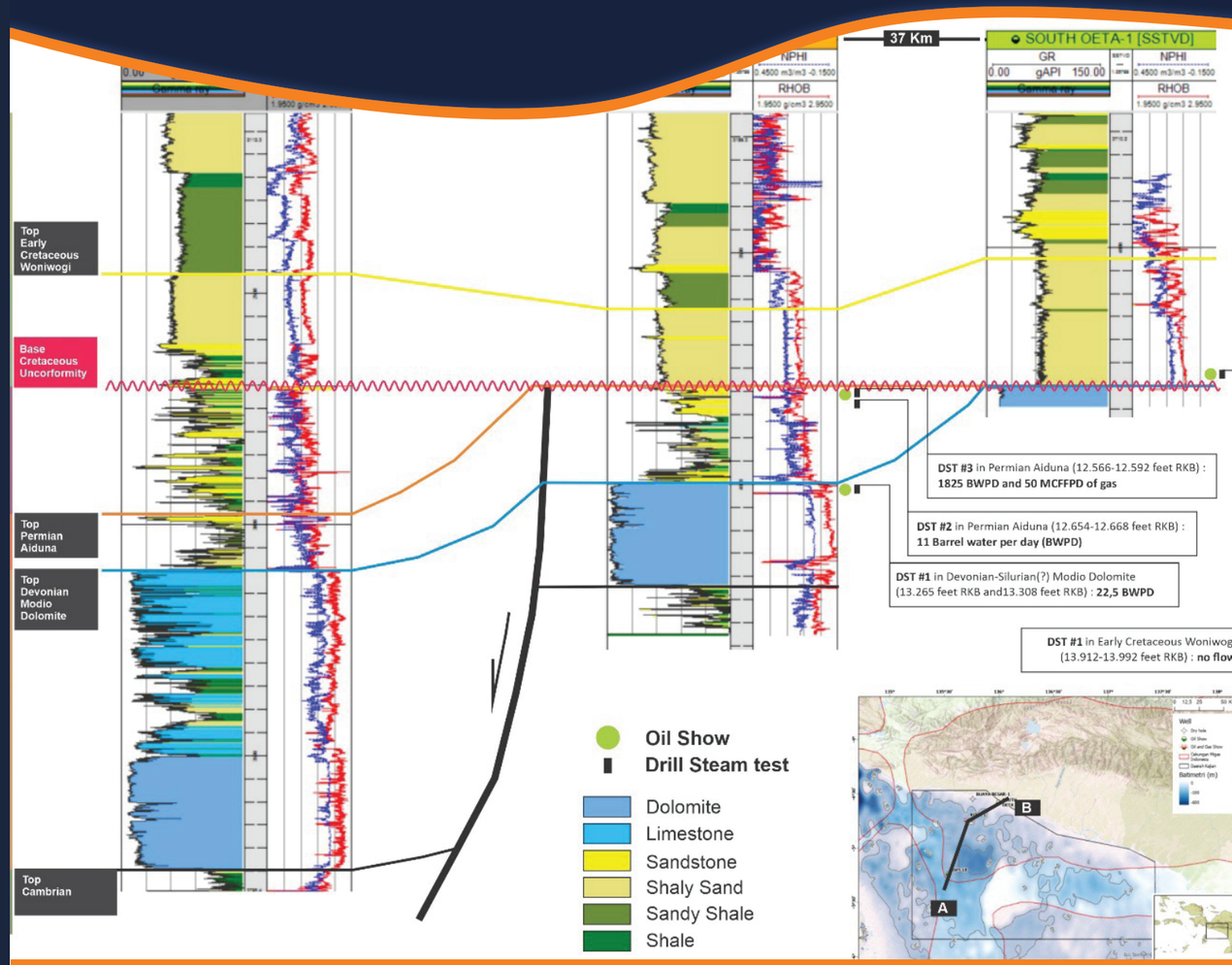

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Cover Figure : South–north stratigraphic correlation flattened at the base Cretaceous unconformity horizon. (Source: Setiadi, et al, 2025)

Preface

We are pleased to present the second issue of the Bulletin of the Marine Geology (BoMG) for 2025. This edition comprises five peer-reviewed research articles that contribute substantially to the advancement of earth sciences, marine studies, and disaster mitigation in Indonesia. The range of topics highlights the diversity and dynamism of geological and geophysical research within the Indonesian archipelago, a region characterized by abundant natural resources and complex geological processes.

The first article discusses the hydrocarbon potential of the offshore Akimeugah Basin through Mesozoic–Paleozoic geological and geophysical reconstructions, providing new perspectives on petroleum prospects in eastern Indonesia. The second paper examines acoustic facies surrounding the Salahnama and Pandang Island intrusion complexes in the Malacca Strait, offering insights into seafloor sediment characteristics and seismic reflector patterns. The third addresses geohazard issues by identifying earthquake and tsunami risk zones in southern Java using gravity data, contributing to hazard mitigation and regional planning. The fourth article focuses on the geochemistry of marine and coastal sediments in the Limau Waters, aiming to determine sediment provenance, weathering intensity, and maturity to better understand sedimentary processes and support marine mineral exploration. The final paper investigates foraminiferal distribution in the Waipoga Waters, North Papua, to reconstruct paleoenvironmental conditions and Holocene oceanographic changes.

We expect this issue to serve as a valuable scientific reference and to foster broader collaboration in marine geology, geophysics, and disaster studies in Indonesia. We sincerely thank the authors for their high-quality contributions, the reviewers for their constructive and objective assessments, and the editorial team for their commitment to the successful publication of this journal. It is our hope that this edition will provide new insights, enrich scientific knowledge, and benefit researchers, practitioners, academics, and policymakers.

Bandung, December, 2025

Chief Editor

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