SPEECH

Welcoming Remarks – SEG Workshop
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1. Distinguished guests, industry leaders, colleagues, ladies and gentlemen.

2. Assalamualaikum and I wish everyone a very good morning.

3. It is a privilege to welcome you to the SEG workshop on "Innovative Geoscience Across the Upstream Lifecycle" – a first of its kind in Brunei.

4. At a time when energy security continues to be a critical pillar for economic resilience and development across our region, innovation in geoscience and digital technology has become increasingly important through the upstream hydrocarbon lifecycle – from exploration in complex geological settings, to reservoir characterisation, enhanced recovery, and responsible decommissioning.

5. Today's global environment also reminds us how vulnerable energy markets can be to geopolitical uncertainties. Ongoing tensions and supply disruptions in key energy-producing regions have placed additional strain on global oil and gas supply chains, reinforcing the importance of energy resilience, technological innovation, and efficient resource recovery.

6. This workshop therefore provides an important platform to bring together global experts, technical leaders, regulators, researchers, and industry stakeholders to exchange ideas and showcase technological advancements that can unlock value across the upstream sector.

7. It also provides opportunities to identify technology innovations and digital solutions that are practical and applicable to Brunei's upstream environment. By leveraging regional experience and expertise, we have a chance to further enhance oil and gas resource recovery in a way that is more efficient, data-driven, and sustainable.

8. Colleagues, today, we are witnessing rapid advancements across several key areas, particularly in seismic acquisition technologies. These developments reflect a broader industry shift from reliance on large, standalone 3D surveys toward more integrated, lifecycle-driven, and fit-for-purpose approaches. While 3D acquisition remains the foundation for subsurface imaging, it is increasingly being complemented by targeted, wellbore-focused solutions and continuous monitoring technologies such as permanent reservoir monitoring (PRM), distributed acoustic sensing (DAS), and ocean-bottom nodes (OBN). Collectively, these approaches enhance imaging fidelity, improve time-lapse repeatability, and enable more frequent reservoir surveillance, supporting production optimization in mature and geologically complex fields.

9. We are also seeing significant progress in advanced seismic imaging and processing, such as high-frequency Full Waveform Inversion (FWI), which enables the generation of high-resolution subsurface images and provides clearer definition of complex fault systems to support improved well placement. In addition, AI-assisted tools are increasingly being deployed to fully leverage the rich datasets available within mature fields, enhancing reservoir management and decision-making processes.

   Together, these technologies are transforming how we understand the subsurface—reducing uncertainty, accelerating decision-making, and unlocking new value from both mature and frontier assets.

10. Through stronger collaboration across disciplines and across the region, we can continue to build smarter and more resilient upstream operations for the future.

11. Ladies and gentlemen, ultimately the strength of this workshop lies in fortifying the collaboration that already exist and the potential cooperation that will materialise from the sessions ahead. This workshop brings together geoscientists, engineers, technology providers, policymakers and academics to share knowledge, challenge conventional thinking and collectively shape the future of our industry.

12. And may I add, ultimately, the work we do today will not only impact our industry but also contribute to the nation's long-term prosperity while strengthening energy resilience and building a meaningful legacy for generations to come.

13. With that, thank you and I wish everyone a productive and successful workshop.