



Note: The following is an English translation of the Japanese-language original.

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[Press Release]

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Commencement of CO₂ Injection Field Test at Sukowati Oil Field in Indonesia

Japan Petroleum Exploration Co., Ltd. (hereinafter "JAPEX"), PT Pertamina (Persero), the national energy company of Indonesia (hereinafter "Pertamina"), PT Pertamina EP (hereinafter "PEP"), and Japan Organization for Metals and Energy Security (hereinafter "JOGMEC") have started CO₂ injection field test (hereinafter "the field test") at the Sukowati oil field in East Java Province of Republic of Indonesia (hereinafter "Indonesia") on December 7, 2023.

The field test is based on the Joint Study Agreement signed this July ^{(*)1} with Pertamina, PEP, and JOGMEC to conduct CO₂ injection using the Huff & Puff method ^{(*)2} into the Sukowati oil field to help verify the CO₂-EOR (Enhanced Oil Recovery) and the CO₂ sequestration effect.

This is the first CO₂ injection into an oil and gas field in Indonesia for JAPEX and will be an essential step toward the commercialization of carbon neutral fields such as CCS (Carbon dioxide Capture and Storage) / CCUS (Carbon dioxide Capture, Utilization, and Storage) in the country.

In "JAPEX2050", formulated to realize a carbon-neutral society, we set the commercialization of fields that contribute to achieving net zero emissions, centered on CO₂ injection and storage technologies, as one of the focused efforts. Including the field test, we aim to grow as a comprehensive energy company supplying various energies needed as times change and increase our corporate value through solving issues and realizing businesses for carbon neutrality in Japan and overseas.

Note)

*1: Please refer to a press release on July 26, 2023 "[Signing of Joint Study Agreement Towards CO₂ Injection Field Test at Sukowati Oil Field in Indonesia](#)".

*2: One of the CO₂-EOR methods, in which CO₂ is injected and produced in a single well. It consists of three stages: CO₂ is injected underground (Huff), the CO₂ is allowed to penetrate sufficiently to come into contact with oil (Soaking), and then the oil is produced together with the CO₂ (Puff).

(Reference Photo)



Ceremony for commencement of CO₂ injection at Sukowati oil field

(Reference: Participants related in the above photo, from left side)

Dr. Hiroshi Okabe - Deputy Councilor, Hydrogen and CCS Project Department, JOGMEC

Mr. Awang Lazuardi - Director, Development & Production, PT Pertamina Hulu Energi (PHE)

Dr. Djoko Siswanto - Secretary General, National Energy Council, Republic of Indonesia

Mr. Kenichi Suzuki - General Manager of Carbon Neutral Business Dept., Overseas Business Div. II, JAPEX

Mr. Muzwir Wiratama - General Manager, Zone 11, Regional 4, PEP

Dr. Oki Muraza - Senior Vice President, Research & Technology Innovation, Pertamina

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