February 17,2025
ENEOS Xplora Inc.

Petra Nova Captures More Than Five Million Tons of Carbon Dioxide

—Carbon reduction equivalent to removing approximately 1.2 million passenger cars from American roads for a year—

Houston—February 17, 2025—Petra Nova, the world's largest post-combustion carbon dioxide capture, utilization and storage (CCUS) facility, has safely captured, transported and sequestered more than five-million metric tons of carbon dioxide (CO_2).

"We are very excited and proud that we have captured five-million tons of CO_2, significantly reducing the environmental impact of coal-fired power generation," said Toshiya Nakahara, President and CEO ENEOS Xplora. "This first-of-a-kind project has proven that carbon capture can prevent millions of tons of CO_2 from being released into the atmosphere."

During operations, Petra Nova separates and captures 90% of the CO_2 from a portion of the post-combustion flue gas at one of NRG's W.A. Parish Power Plant coal units in Texas, USA. It then, transports and injects that CO_2 into the West Ranch Oil Field approximately 80 miles southwest of the plant to enhance crude oil production while simultaneously sequestering the CO_2 underground.

The Petra Nova facility can capture approximately 1.4 million metric tons of CO_2 per year.

By utilizing the 5 million metric tons of CO_2 at the oil field, ENEOS Xplora has significantly increased the production of US domestic crude oil at the field. The captured CO_2 is sequestered more than a mile below the surface of the earth in the oil reservoir. Extensive monitoring has verified that the sequestered CO_2 remains in place in the field.

The 5 million metric tons of captured CO_2 is equivalent to the amount of CO_2 emitted by approximately 1.2 million gasoline-powered vehicles in a year*.
Although CCS/CCUS operations are currently underway around the world, there are only a few operators with a track record of capturing and storing such a large amount of the CO_2, making ENEOS Xplora a global leader in this business field.

In its long-term vision, the ENEOS Group aims to achieve carbon neutrality for group emissions by FY2040 while still meeting the energy needs of its customers. CCS/CCUS is an effective tool to help achieve carbon neutrality.

*Greenhouse gas equivalents from the U.S. Environmental Protection Agency (EPA):https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

About ENEOS Xplora Inc.

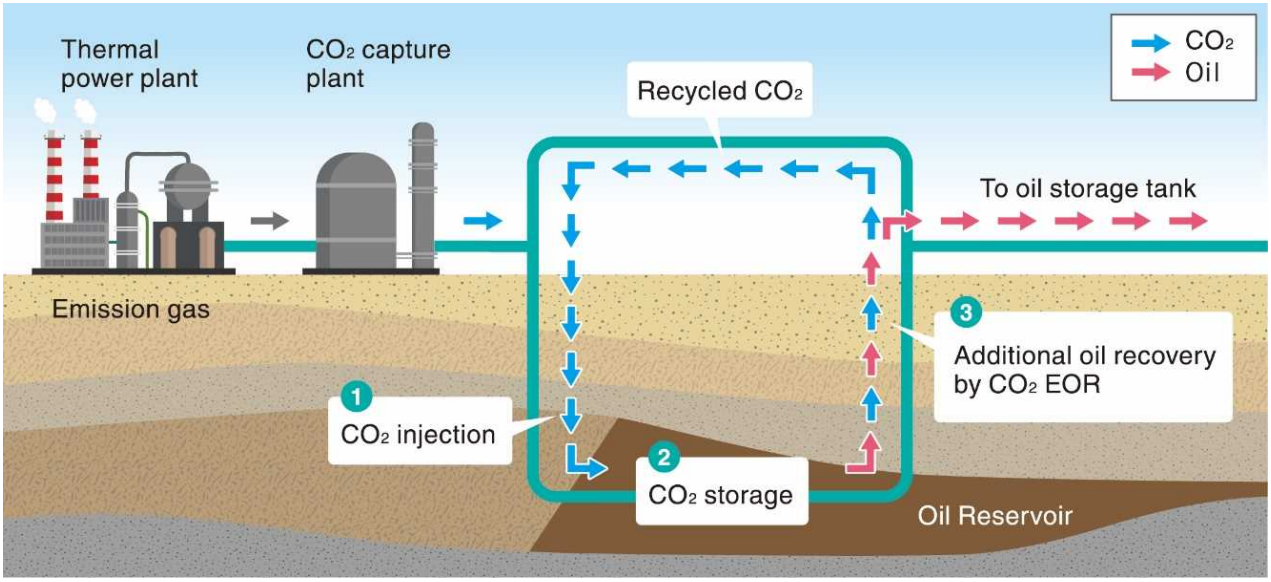
ENEOS Xplora is engaged in the development and production of oil and natural gas in Japan and around the world as one of the principal operating companies of the ENEOS Group, Japan's largest energy, resources and materials conglomerate.

The business environment surrounding oil, natural gas, and other fossil fuels is becoming increasingly challenging as the response to climate change becomes a common issue worldwide and the movement toward carbon neutrality accelerates.

Under the business environment, we advocate "Two-Pronged" approach focusing on the oil and natural gas development and production business as the "fundamental business," and as another prong, environment-friendly business centered on CCS / CCUS as the "growth business."

While the safe and stable supply of energy has always been and will continue to be our mission, in order to create greater social value within the carbon neutral trend, guided by our corporate philosophy, "Explore the EARTH and Create Value", we will leverage our subsurface technology and innovative creativity to be a key player working towards a sustainable society.

Petra Nova carbon capture facility



Project Concept

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