

What is Sinopec doing about CO2 flooding?

Sinopec has successively carried out 36 pilot tests of CO₂ flooding in low- and ultra-low-permeability reservoirs, high water cut reservoirs, faulted reservoirs and tight oil reservoirs. To date, 41.5 million tons of reserves have been developed with an accumulative CO₂ injection of about 2.37 million tons.

What is Sinopec CCUS project?

Sinopec began the construction of China's first Million-Tonne CCUS Project: Qilu-Shengli Oilfield CCUS Project. Pilot operation of the Million-Tonne CCUS Project. The CCUS demonstration project was fully completed and operated, and runs well up to now. One of the largest integrated energy and chemical companies in the world.

How does Sinopec capture CO₂?

In 2010, Sinopec launched a project to capture CO₂ in the Shengli Power Plant, with CO₂ capture capacity of 30,000 t/a, where the feed gas contains 14% CO₂ that is captured by MSA solvents. Sinopec has continuously intensified the R&D and promotion of carbon capture technologies since 2013.

How did Sinopec prepare the Qilu-Shengli Oilfield CCUS project?

The preparation of the Qilu-Shengli Oilfield CCUS Project completed, including reservoir engineering, surface engineering, injection and production engineering, and monitoring engineering. Sinopec began the construction of China's first Million-Tonne CCUS Project: Qilu-Shengli Oilfield CCUS Project.

Is Sinopec a green company?

In August 2011, Sinopec officially integrated green and low-carbon development into its corporate strategy. In 2013, it launched the Clean Water and Blue Sky Initiative and invested RMB 20.92 billion in the environment-friendly treatment of existing production facilities.

What are the advantages of Sinopec CCUS process?

Sinopec has many advantages of engaging in all stages of the CCUS process. The exhaust emissions from coal gasification are initially captured. The captured exhaust is further processed through a series of steps, including cooling, dehydration, liquefaction, and purification using a distillation tower. The liquid CO₂ purity >99%.

Chinese state-owned oil and gas giant China National Offshore Oil Corp (CNOOC) said it has completed a commercial crude reserve storage complex in East China, the largest single-phase storage ...

China's top two oil companies PetroChina <601857.SS> and China Petroleum & Chemical Corp (Sinopec) <0386.HK> <600028.SS> have been the leading storage builders, ...

Clean energy ensures safe supply We will thoroughly advance the energy revolution. Greater efforts will be

made to explore and develop petroleum and natural gas, discover more untapped reserves, and increase production. We ...

China is rich in continental oil reservoirs, in which crude oil is high in wax content, and CO₂ flooding features high miscibility pressure and low oil displacement efficiency.

1 ?· China continues to import more crude oil than it refines, with the surplus going into strategic and commercial storage, raising concerns of a looming global oil glut.

This paper describes the world's largest carbon capture and storage project applied to a fluid catalytic cracking (FCC) process at a Sinopec oil refinery in He'Nan Province, ...

As a result, FOT is the first independent third-party Crude oil storage facility - not only in Fujairah but also in the Middle East. Today we have a total storage capacity of 1.177 million cubic meters, with half of that capacity being used for ...

Sinopec has assumed the responsibility of leading industry development, focusing on building an industrial framework centered on energy resources, supported by clean oil products and ...

It enjoys convenient transportation conditions with its crude oil pipelines directly extended to Huangdao Island crude terminal and depots, oil products pipelines directly extended to the ...

Background and implications The total planned storage volume is equivalent to four days' processing at domestic refineries, or around 220,000 barrels a day, as calculated by Reuters. ...

A crude oil terminal with a capacity of 300,000 tons will also be constructed to support the operation. Ownership of the Fujian Gulei Phase II project is divided, with FPCL holding a 50% stake. FPCL is a joint venture ...

15 ?· The Sinopec refinery, approved in 2023, will have capacity to process 200,000 barrels of crude oil per day and will be located near the Chinese-built and operated ...

On crude storage, the country's top two oil firms PetroChina <601857.SS> and Sinopec Corp <0386.HK><600028.SS> have been the leading builders, to both service their ...

6 ?· Sinopec and Saudi Aramco have launched a \$9.8 billion joint venture to build a major refining and petrochemical complex in Fujian.. \$9.8B Sinopec, Aramco project to boost Fujian ...

As the world's largest oil importer, China has weaponized its strategic crude oil reserves and infrastructure to navigate a volatile global market shaped by U.S. sanctions, ...

China currently imports around 11 million barrels of crude oil a day. Five major state-owned oil companies, including CNPC, Sinopec, CNOOC, Sinochem and Zhenhua Oil, have been tasked ...

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