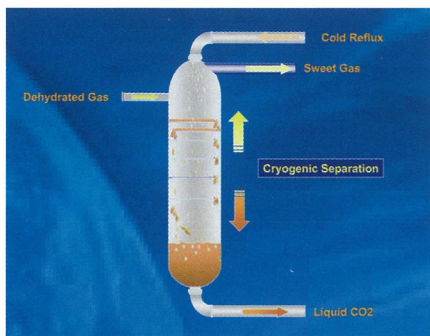


Cool Encouraged By CO₂ Trial Results

Cool Energy is aiming to complete testing of its demonstration gas dehydration and CO₂ removal plant by about the middle of next year after preliminary field trials at the plant near Dongara were positive, according to Managing Director, Jessie Inman.

The demonstration plant, based at ARC Energy's Xyris site in the Perth Basin, is the first of its kind in the world and brings Cool Energy's ground-breaking CryoCell technology out of the laboratory and into the field. The technology, developed in Western Australia, removes CO₂ from natural gas in liquid form making it immediately available for geosequestration.

Inman said trials with higher CO₂ levels are progressing well, with some minor mechanical problems encountered with the demonstration plant being addressed by the manufacturer. "Trials thus far have confirmed Cool Energy's expectations regarding many aspects of the process performance", she said.



The CryoCell technology extracts CO₂ by freezing it, then later removing it as a liquid for sequestration, or for use in enhanced oil recovery

"Work to date has also confirmed that the plant is not expected to have difficulty operating in a commercial setting. In routine operations, after shut down, the whole system can be restarted and meet target temperatures in just two to three hours."

The modified plant is due for completion soon and is expected to be able to test CO₂ levels of 30% – 40% and possibly higher. Cool Energy is also continuing their laboratory testing program in Perth to support field trials and further develop their technology for new applications, and recently invested in a full time researcher at Curtin University of Technology.

Cool Energy's CryoCell technology aims to unlock previously uneconomic gas reserves due to a high CO₂ content and help to fulfil the rising demand for energy. The low-cost CryoCell technology extracts the CO₂ by freezing it, then later removing it as a liquid for sequestration, or for use in enhanced oil recovery.

Cool Energy's development partners include Shell Global Solutions International, Woodside Energy Limited, ARC Energy Limited, Nido Petroleum Limited, Curtin University and the Centre for Energy and Greenhouse Technologies. ■