

COSL completes drilling its first well in Kingfisher oilfield

KINGFISHER OILFIELD

By Simon Okitela

China Oil Services Limited (COSL) has completed drilling the first well in the Kingfisher oilfield using the Xuanji system cutting edge technical equipment named Wellleader & Drilog.

It is the first time China's high-end oil and gas exploration technology and equipment is being used in Uganda's oil and gas sector.

The progress made by COSL creates more hope for the possibility of Uganda being on course in planning to have oil production starting 2025.

As activities and investments in Uganda's oil sector keep increasing, studies done give an estimation that between \$15b and \$20b will be invested in Uganda in the next five years, and that will catapult Uganda's economy to greater heights.

According to Ye Linzhi, the Well Tech Project Manager of COSL Uganda SMC limited, the opportunity has greatly enhanced the attention and influence of China's Xuanji brand in the African region.

"Xuanji is a revolutionary drilling technology independently developed by China Oilfield Services Limited for more than 10 years. It consists of two major technologies: rotary steerable drilling and logging while drilling. Since it was put into use, the Xuanji system has completed 1,200 well operations."

Ye Linzhi explained that their operations spread all over the oil and



The COSL team carrying out final checks before the use of the wellleader and drilog as well as China cutting-edge technical equipment

gas fields in Xinjiang and Shanxi, and have been exported to Indonesia, Iraq and other countries.

This first successful operation in Uganda not only fully verified the technical reliability of the "Xuanji" system, but also contributed to China's solutions to overseas large-scale operations of China's independent high-end oil and gas equipment.

The Kingfisher is a project in which China Oilfield Services Limited obtained the integration and large-scale access of various services from

world-class oil and gas companies. There are 27 wells in the first phase of the project, including three extended-reach wells in the northern area, with an average well depth of 6,000 metres, a displacement of 5,000 metres, and a well deviation of over 85 degrees.

"Since the first commercial application of the Xuanji system in 2014, with the strong support of the ministry of science and technology and the state-owned Assets Supervision and Administration Commission of the State Council, it has overcome

difficulties and embarked on a road of large-scale promotion and application that suits itself."

The first application of the Xuanji system has overcome challenges of new technology, new equipment, new teams, and new project and greatly tested the adaptability of new technology.

The success of this operation in Uganda has inspired our determination to continue going forward," Ye Linzhi noted.

According to Zhou Tao, the head

The well site of the Kingfisher oilfield is located on the shore of Lake Albert, an important water source in the African plateau. The lake water widely nourishes various wild animals in the basin, and plays an important role in the ecological balance of the area. The environmental protection standards for the development of oil and gas fields here are strict.

Every detail in the process is also the focus of attention of regional environmental protection organisations and western counterparts.

China Oil services Limited (COSL) Uganda SMC Limited operation team deploying the Xuanji system abides by local environmental protection policies and develops under the premise of green safety and environmental protection, which brings positive significance to the promotion of local green and sustainable development.

of Directional Drilling and Logging while Drilling (DD &LWD) COSL Well Tech Division, the Xuanji system has a steering capability of up to 40 degrees per 100 metres, a detection capability of a maximum radial depth of 6.8 metres, and information at a maximum bit rate of 20.