

Waha Oil adopts Fiberspar technology at Al-Samah Field

New pipeline enhances operations at Al-Blat station

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Section of the 1,600-metre composite pipeline connecting well VV-28 to Al-Blat station

Waha Oil Company has completed the connection of a newly drilled well (VV-28) to the Al-Blat station at the Al-Samah field, using Fiberspar composite pipeline technology.

The project was implemented by the company's Engineering Department, in coordination with its Field Construction Division.

The scope of work included the installation of approximately 1,600 metres of 4-inch diameter Fiberspar pipeline, laid in a trench excavated to a depth of 1.20 metres. The pipeline was connected at both ends—from the wellhead to the processing station. A non-return valve was installed at the manifold to prevent reverse pressure from the station back to the wellhead.

Prior to backfilling the trench with soft sand, a hydrostatic pressure test was conducted using water to confirm the system's integrity and ensure safe operation.

Fiberspar is a type of composite pipeline made of fibreglass reinforced with thermoplastic (typically polyethylene or similar materials). It is increasingly used in the oil and gas industry due to its lighter weight, corrosion resistance, and lower installation and maintenance requirements compared to traditional steel piping. Its use also contributes to reducing the environmental footprint of pipeline operations.

Founded in 1955, Waha Oil Company is among the largest oil and gas exploration and production companies operating in Libya. The company manages several key fields, including Al-Samah, Dahra, and Gialo, and operates under a joint venture structure that includes Libya's National Oil Corporation and international partners.

This project forms part of the company's ongoing strategy to modernise infrastructure, improve operational efficiency, and align with evolving industry standards in pipeline technology.