

WAHA OIL COMPANY

Libya Joint Stock Company Totally Owned
By The National Oil Corporation
Burj Boleile , at Suk Al Thulataa Al Qadeem
P.O .BOX : 395 Tripoli - Libya
P.O .BOX : 224 Benghazi - Libya



شركة الواحة للنفط

شركة ليبية مساهمة مملوكة بالكامل للمؤسسة الوطنية للنفط
برج بوليلة ، سوق الثلاثاء القديم
ص.ب: 395 طرابلس - ليبيا
ص.ب: 224 بنغازي - ليبيا

11th December 2024

Subject: Waha experience with NOV Fiberspar RTP Pipes

Attn: TO WHOM IT MAY CONCERN

Waha Oil Company ("WOC") began a program in 2021 to try alternatives to carbon steel pipelines for its oil flowlines.

After technically evaluating various RTP manufacturers, we chose to proceed with NOV Fiberspar RTP Pipe ("Fiberspar"). We tested it at two locations – Zaggut and Gialo – for oil-well flowlines, each over 1km. Zulal Oil & Water ("Zulal") supplied and supervised the installation of this Fiberspar pipe, which proceeded successfully (and remains successfully in operation to this day).

Based on these installations, and compared with WOC's past experience with other RTP technologies, we concluded that Fiberspar was the most cost effective and efficient RTP pipe to install. This is especially due to the connectors, which do not require a swaging or electrofusion machine but instead rely on a manual process and hand tools.

Following our initial tests therefore, we have continued to use Fiberspar extensively, ordering >200km of 4" and 6" Fiberspar pipe from NOV / Zulal since 2023. Under the supervision of Zulal's NOV-certified technicians, we have installed >100km at our Waha, Gialo and Samah oil fields, and connected > 30 crude oil wells, in just a few months. We continue to deploy the pipe on an almost daily basis in our fields, at up to 1km / day.

The pipe has been delivered on time and in short timeframes, from both of NOV's production facilities in Houston (USA) and Dammam (Saudi Arabia).

Overall, WOC is highly satisfied by its experience with Fiberspar and can fully recommend its use.

Yours sincerely

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