



Turkish Petroleum Company (TPAO) selecting GRE pipe and tubing for Bati Raman and Karakuş fields

TPAO, Turkish National Oil Company, was founded in 1954. Through 1983 it was engaged in all activities in the oil industry from exploration to production, refinery, marketing and transportation. Since 2008, TPAO has been involved on in the merely in the upstream (exploration, drilling and production) sector. Headquartered in Ankara, 3 District Managements offices in Batman, Thrace and Adiyaman with approximately 5000 employees throughout Turkey and its branch offices abroad. To ensure a secure energy supply, TPAO carries out activities throughout the region. In this context, TPAO carries out its exploration and production activities actively in Azerbaijan, Kazakhstan and Libya. TPAO is also in contact with Syria, Turkmenistan, Georgia, Iraq, Egypt, Ukraine, Indonesia, Russia, Brasil, Algeria and Sudan to initialize new projects.

Core activities:

- Exploration, Drilling, Well Completion and Production
- Natural Gas Storage
- Participation in Oil and Natural Gas Pipeline Projects
- Oil Trade and Transportation (TPIC, TPAO)

Scope

BATI RAMAN

The Bati Raman oil field has heavy oil properties and TPAO is injecting CO₂ as part of the Enhanced Oil Recovery project to increase production from the field. The Bondstrand pipes will be used to gather and transport a mixture of produced gas (mostly CO₂) from separators at gathering stations to recycle facilities at the Bati Raman oilfield in Eastern Turkey. TPAO selected Bondstrand based on their previous experience.

ADIYAMAN

Adiyaman field has high water cut in most of the wells; therefore, TPAO chose to use fiberglass tubing in the wells and Glassfiber Reinforced Epoxy line pipe for the transfer of the crude oil with water content.

Project

Bati Raman (Batman city) and Karakuş (Adiyaman city)
Field Enhanced Oil Recovery Projects - Turkey

Client

TPAO (Turkish Petroleum Corporation) Ankara, Turkey

Pipe system & operating conditions

BATI RAMAN FIELD

Gas Gathering & transportation

Bondstrand 3000AA with Pronto-Lock II mechanical joint.
Diameter: 12 inch, Quantity: 10.250 m,
Operating press: 145 psi (10 bar), Fluid: Gas (mostly CO₂),
Design temp: -46 to 100 °C, Test press: 218 psi (15 bar)

ADIYAMAN FIELD

Crude Oil & Brine transport

Centron SP800 HT/SP500 A and SP600 with 4 rd mechanical joint. Diameter: 2, 3 and 6 inch, Quantity: 13.373 m, Operating press: 500-800 psi (34-55 bar), Fluid: Crude oil and brine, Design temp: 100 °C, Test press: 625-1000 psi (43-69 bar)

Tubing

Centron DH1200 with 4 rd mechanical joints.
Diameter: 3.5 inch, Quantity: 8.000 m,
Operating press: 1500 psi, Fluid: Brine, Design temp: 99 °C, Test press: 1875 psi (130 bar)

Installation date

2007