



# Tengizchevroil Fact Sheet

1Q 2023

## History and Ownership

- Tengiz, the world's deepest producing super giant oil field, was discovered in 1979.
- The Tengizchevroil (TCO) partnership was formed on April 6, 1993, between the Republic of Kazakhstan and Chevron.
- Current partners are Chevron, 50 percent; KazMunayGas, 20 percent; ExxonMobil Kazakhstan Ventures Inc., 25 percent; Lukoil, 5 percent.

## Production and Reserves

- Estimated oil in place in the Tengiz field is 3.1 billion metric tonnes (25 billion barrels) with 200 million metric tonnes (1.6 billion barrels) in the Korolev field.
- Total recoverable crude oil in the Tengiz and Korolev fields is estimated to be 1.4 billion metric tonnes (11.5 billion barrels).
- The areal extent of the Tengiz reservoir is large, measuring 20 kilometers (12 miles) by 21 kilometers (13 miles).
- TCO completed its Sour Gas Injection and Second-Generation Plant (SGI/SGP) expansion project in 2008. Over the last few years average daily production capacity exceeded 80 thousand metric tonnes per day (640,000 barrels) of crude oil and 25 million cubic meters per day (870 mmscf) of natural gas.
- Crude oil production in 1Q 2023 was 7.35 million metric tonnes (58.6 million barrels).

## Health, Safety and the Environment

- TCO has invested over \$3.15 billion since 2000 in environmental protection activities.
- Since 2000, total air emissions generated per ton of oil produced, have decreased by 75 percent.
- TCO's gas utilization rate in 1Q 2023 was 99.6 percent.
- TCO's total water reuse rate in 1Q 2023 was 47 percent. TCO continues its water conservation efforts by treating domestic sewage and reusing it for production needs.
- TCO sends 35 types of waste for recycling and treatment. In 1Q 2023, TCO's waste reuse/recycling rate was 34 percent.

## Product Sales

- In 1Q 2023, TCO sold over 307 thousand metric tonnes of LPG, 288 million cubic meters of sales gas and over 733 thousand tonnes of sulfur.

## Benefits to Kazakhstan

- From 1993 through 1Q 2023, TCO made direct financial payments of over \$180 billion to Kazakhstani entities, including Kazakhstani employees' salaries, purchases of Kazakhstani goods and services, tariffs and fees paid to state-owned companies, profit distributions to the Kazakhstani shareholder and taxes and royalties paid to the government.
- In 1Q 2023, direct payments to the Republic of Kazakhstan totaled \$3.8 billion.
- In 1Q 2023, KC spent is about \$972 million, including \$650 million for FGP-WPMP (Future Growth Project - Wellhead Pressure Management Project).
- TCO has invested more than \$44.6 billion on Kazakhstani goods and services since 1993.

## Workforce Development

- Kazakhstani citizens hold 91 percent of positions in TCO's Base Business and FGP-WPMP. Excluding the FGP-WPMP workforce, Kazakhstani citizens hold 94.5 percent of TCO positions compared to 50 percent in 1993.
- Kazakhstani managers and supervisors represent 78.9 percent of the TCO managerial workforce in Base Business and FGP-WPMP. Excluding the FGP-WPMP, Kazakhstani managers and supervisors hold 87.1 percent.
- Ongoing training and development programs exist to support the advancement of employees to positions of increasing responsibility.



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## Community Outreach

- Since 1993, over \$360 million has been invested in more than 120 social infrastructure projects to construct and improve social facilities such as schools, hospitals, recreational areas, kindergartens, and other common facilities in Atyrau region.
- Since 2010, TCO also supported 123 social projects within its Community Investments Program, focused on improving the wellbeing of communities in the areas of health, education, economic and civil society development.
- In 2023, TCO budgeted \$25 million for Egilik social infrastructure program, the majority of which will be spent on construction of kindergartens, hospitals, schools and other social facilities in Atyrau Oblast.
- In 2023, TCO has allocated \$2.5 million as part of its Community Investments Program on 21 projects to help improve the quality of health, education and to develop civil society both in Atyrau Oblast and Borankul Village (Mangistau Oblast).
- In 2023, TCO launched a new Zhylyoi district development program, under which a STEAM laboratory was opened in the 8<sup>th</sup> school of Kulsary to promote the development of education.

## Future Growth Project - Wellhead Pressure Management Project

### *General Information*

- In 2016, TCO Partners announced approval for the final investment decision of the Future Growth Project - Wellhead Pressure Management Project (FGP-WPMP), the next major expansion of the Tengiz oil field.
- FGP will expand production by approximately 12 million tonnes per year/260 thousand barrels per day to about 39 million tonnes per year/850 thousand barrels per day.
- WPMP will keep the existing Tengiz plants full by lowering the flowing pressure at the wellhead and then boosting the pressure to the inlet requirements of the six existing processing trains.

### *Kazakhstani Content*

- Since the commencement of FGP-WPMP, TCO has spent over \$16.3 billion to purchase Kazakhstani goods and services.

### *Project Progress*

- The construction on the Wellhead Pressure Management Project (WPMP) is largely complete. The project focus is on commissioning and start-up and beginning the transition of the field from high to low pressure.
- The fuel gas system for the project's Third Generation Plant (3GP) is now ready for operations and the first 3GP Gas Turbine Generator as well as two trains of the Pressure Boost Facility (PBF) compressor are mechanically completed.