



# Tengizchevroil Fact Sheet

Year-end 2021

## 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; LukArco B.V., 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 production in 2021 was 26.6 million metric tonnes (212 million barrels).

## Health, Safety and the Environment

- TCO has invested approximately \$3.15 billion since 2000 in environmental protection activities.
- Since 2000, total air emissions generated per ton of oil produced have decreased by 65 percent.
- TCO's gas utilization rate in 2021 was 98.9 percent.
- TCO's total water reuse rate at the end of 2021 was 46 percent. TCO continues supporting water conservation efforts by recycling, as well as treating and reusing water for production purposes.
- TCO sends more than 35 types of waste for recycling. In 2021, TCO waste reuse/recycling rate was around 50 percent.

## Product Sales

- In 2021, TCO sold over 1.45 million metric tonnes of LPG, approximately 5.9 billion cubic meters of sales gas and over 2.6 million tonnes of sulfur.

## Benefits to Kazakhstan

- From 1993 through 2021, TCO made direct financial payments of approximately \$162 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 2021, direct payments to the Republic of Kazakhstan totaled more than \$9 billion.
- In 2021, TCO spent \$3.6 billion on Kazakhstani goods and services, including \$2.4 billion for FGP-WPMP (Future Growth Project - Wellhead Pressure Management Project).
- TCO has invested more than \$40 billion on Kazakhstani goods and services since 1993.

## Workforce Development

- Kazakhstani citizens hold 88.2% percent of positions in TCO's Base Business and FGP-WPMP. Excluding the FGP-WPMP workforce, Kazakhstani citizens hold 94 percent of TCO positions compared to 50 percent in 1993.
- Kazakhstani managers and supervisors represent 77.4 percent of the TCO managerial workforce in Base Business and FGP-WPMP. Excluding the FGP-WPMP, Kazakhstani managers and supervisors hold 87.7 percent.
- Ongoing training and development programs exist to support the advancement of Kazakhstani employees to positions of increasing responsibility.



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## Community Outreach

- Since 1993, TCO has invested over \$2.3 billion to fund social projects and programs in Atyrau Oblast for the community and employees.
- In 2022, TCO has budgeted \$30 million for Egilik social infrastructure program, the majority of which will be spent on construction of kindergartens, schools and other social facilities in Atyrau Oblast.
- In 2022, TCO has allocated \$2.3 million as part of its Community Investment Program on projects to help improve the quality of health and education and to develop social entrepreneurship both in Atyrau Oblast and Borankul Village (Mangistau Oblast).
- Since the beginning of the pandemic, TCO has allocated approximately \$18.3 million (7.7 billion tenge) to support local communities in the ongoing fight against COVID-19, including purchasing medical equipment and supplies for Atyrau Oblast.

## 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 of crude oil by approximately 12 million tonnes per year or 260 thousand barrels per day to about 39 million tonnes per year or 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 \$13 billion to purchase Kazakhstani goods and services.

### *Project Progress*

- The project is currently 89% complete.
- In 2021, the project achieved several major milestones, including:
  - Integrated Operations Control Center (IOCC) ready for operations
  - Metering stations 54 connected to respective clusters of wells startup; and
  - 3GP 10kV utilities modules energized.
- FGP-WPMP is a project of national importance and is helping to create a legacy of a trained and skilled local workforce, technology transfer through partnerships with international companies, and upgraded infrastructure in the region.