



# ТШО ЖАҢАЛЫҚТАРЫ

TCO NEWSLETTER | #03 (237) | August-October 2018

## CONGRATULATORY NOTE

## In this issue:

### Congratulations on Oilman's Day

On behalf of Tengizchevroil's staff we sincerely congratulate you on the upcoming Oilman's Day.

Oil is of tremendous importance for Kazakhstan and particularly for Atyrau Oblast. It was here that in 1899 the first Kazakh oil fountain came up to the surface. The giant Tengiz oilfield was discovered here in 1979. And Tengizchevroil was established here after independence in 1993.

Thanks to the successful development of the oil and gas industry, Kazakhstan has enjoyed sustained economic growth.

Tengizchevroil understands the importance of a holiday like Oilman's Day better than anyone else. The tremendous efforts, true commitment and dedication by employees across the oil and gas sector made us who we are today.

Once again, we congratulate all city residents and colleagues on this wonderful holiday and wish you success in your work, happiness and prosperity to your families.



**Murat MUKASHEV**  
Deputy General Director

**Ted ETCHISON**  
General Director



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### Successful KTL TA Completion

On behalf of TCO Management, I extend my sincere congratulations to the TCO workforce involved in the successful planning and execution of the 2018 TCO KTL2 Plant Turnaround in September. Thanks to your incredible work and relentless focus on safety, asset integrity and reliability, the Turnaround was delivered ahead of schedule and with no injuries.

The size and scale of this achievement is truly remarkable. During the Turnaround, over 250 columns, vessels,

reactors, and exchangers were repaired. A peak workforce of over 8,200 employees worked day and night shifts. Over 1,000 valves were repaired or replaced. More than 3,000 work orders were completed and over 700 job packs were executed.

Importantly, Fatality Prevention Program elements, including Start Work Checks, New Job Safety Assessment and Save a Life (Stop Work Authority) were incorporated into the Turnaround activities and helped ensure the safety of

our workforce.

We are truly proud of your efforts in delivering a Turnaround of this magnitude and scale. Your dedication to executing safe operations and modeling the TCO Way is helping us to achieve our business goals and deliver significant value to our shareholders and to Kazakhstan, positioning the business for future success. Thanks for delivering a great Turnaround performance!

**Eimear Bonner**  
General Manager, Operations



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## 90 YEARS OF ZHYLYOI DISTRICT



# Zhylyoi is a Sacred Place

This year is the 90th Anniversary of Zhylyoi district, where the leader of Kazakhstan's oil and gas industry, Tengizchevroil, operates. In honor of this milestone, we interviewed Mr. Azamat Baurzhanovich Beket, Akim of Zhylyoi.

**– Zhylyoi is a sacred place, a cradle of many great peoples. This land inspired poets, and throughout history brave warriors of this region would take a palm of sand as good luck in battle. Let's discuss the history of Zhylyoi.**

– If you refer to specific data, Zhylyoi district was established on May 6, 1928, on the basis of a decree of the Kazakh Central Committee. And in 1937, it was decided to relocate the district center of Zhylyoi from Kanbakta to Koschagil. In 1938, Koschagil became a district center, and in 1954 it became Kulsary. Until 1962, the district was called Zhylyoi, and in 1993 it was renamed to Emba, and since October 7, 1993 it returned to its former name. Until 2001, Kulsary was in the status of an urban settlement, and for the last 17 years it has been in the status of a city. In general, the history of the district is directly connected with the “black gold.”

The first person to discover oil in the region was Beshim Kzylbayev. He showed explorers where oil was coming out of the earth. At that time, the people's commissar of oil, Beshim Kzylbaev, was awarded a lifetime pension for his efforts. Beginning in the 1930s, exploration and drilling began in the villages of Karaton, Imankara, Karashungil and Koschagil. In 1935, the development of the Koschagil field began, and other oilfields were discovered. After that, the importance of the village of Kanbakty (Residential Spit) as an economic and administrative center of the region was reduced. Thus, in 1938, the district center was moved to Koschagil village. From now on, the future of the Zhylyoi district was linked to the oil industry. Drilling operations became widespread. To this day, the Zhylyoi district remains the place where the largest volume of oil is produced in the country. Back in 1899, well No. 7 in the area called Karashungil was the first to produce “black gold,” and since then the oil industry has

become more significant each year. Large-scale development of the Tengiz field began in the mid-1980s. In the interval between the 1960s and 1980s, the oil producing directorates of Kulsary and Prorva operated in the district and the NGDU Tengizneft was established to develop the field of the same name.

Between the 1950s and 1990s, the district economy developed at a rapid pace. Production volumes increased dramatically. The commissioning of the Munayly (1948), Karaton (1949), Kukimbet (1955), Terenuzek (1956), Tules (1958), Tighigali (1961), Prorva (1962), Karama (1974) deposits contributed to this. Currently, oil production is carried out in Tengiz, Korolevskoye, Kulsary, and Prorva fields. This year marks 25 years since the start of operations of the Tengizchevroil enterprise, which has firmly established itself in the global oil industry. There is a lot to say about how much benefit TCO brings to the country's economy. We have linked the social and economic transformation of the area over the past twenty-five years directly with the development of this enterprise.

**– Tell us about some of the prominent figures that have come from Zhylyoi district since the Great Patriotic War (World War Two).**

– The harsh years of war are gone, but they have left indelible marks. On May 2, 1944, enemy air forces landed a group of 13 people near the Kirov collective farm with the objective of destroying the oil pipeline. Emergency measures were organized to eliminate this group. The response team was headed by Shakir Gazizov, the first secretary of the district party. Collective farmer Baizhan Ataguziev died in battle with enemy forces. This is one of many examples of local heroes from the war. In all, more than 5,000 people from Zhylyoi served during the war. Of these, 3,162 soldiers did not

return. Today, the public has not forgotten their feats and sacrifices, and honors the memory of the warrior-poet Dalabai, the sniper Eskair Khalykov, who had 225 kills, Boranbay Kazybaev, the political leader of the regiment who stormed the Berlin city hall Rakhmetulla Karamanov and many other glorious fighters-sons of this region. In the district, a school and a street are named after E. Khalykov, and there is also Rakhmetulla Karamanov Street. In addition, the names of many veterans make up the streets of the city and rural areas. The home front was also not an easy place to live during the war. After the war ended, farm directors Z. Mergenbaev and S. Shakirov, N. Arkabayev, T. Deshenov were awarded the orders “Hero of Socialist Labor.”

And in 1944, the All-Union Agricultural Exhibition was held in Moscow, where the work of Zhylyoi was evaluated with dignity. The names of 29 excellent workers of the collective farm “Kyzyl Zhem” and Abdrakhman Kozhaniazov, its director, who was the first in the region to be awarded the Order of the Red Banner of Labor, were entered into the Book of Honor. Thus, over 90 years, 11 heroes of socialist labor, 80 recipients of the Order of Lenin, 1 recipient of the Order of Glory and 5 laureates of the State Prize of the Republic of Kazakhstan came from the Zhylyoi region.

Many prominent figures also contributed to the formation and development of industry and agriculture in the region. In particular, these are Sapargaliyev Aman (1928), Safi Utebayev (1944 - 1951), Ospanov Kulkair (1951 - 1953), Utep Balgimbaev (1953 - 1958), Taumanov Yerguzha (1958-1959), Utesinov Rakhmet (1959 -1961), Mukashev Salamat (1961-1970), Saginbayev Musabay (1970-1975), Bekliev Abutai (1975-1977), Izteleuov Berkin (1977-1986), Tugelbayev Sagat (1986-1987), Elamanov Bulat (1988-1991), Tusipkaliyev Baktygali (1991-1993). In connection with the change of the management system in the country in 1992, an executive body was formed - the district akimat. The first



Akim of Zhylyoi District, Azamat Beket

### Factsheet:

- Zhylyoi district was formed on May 6, 1928 based on a Resolution of the Kazakh Central Executive Committee.
- Area: 29.3 thousand km<sup>2</sup>, which is 24.7% of the total area of Atyrau Oblast.
- The district has 1 city, 1 village and 5 rural districts.
- In the first half of 2018, according to statistics, the population of Zhylyoi district was 82,625. 60,271 people live in the district center.
- The district has 20 secondary schools and 16 kindergartens.
- There is 1 hospital, 1 clinic, 6 ambulance stations and a hemodialysis center in the district.
- Public Facilities include the Ken Zhylyoy Community Center, Koschagil Community Club and 17 libraries.

Governor of Zhylyoi district was Tusipkaliyev Baktygali. In subsequent administrations, the area was transformed into the apparatus of akim, and in different years the chair of akim was occupied by Sappaev Mendigali, Kilybaev Maksot, Zhumagulov Tuken, Artygaliyev Rzaabek, Bisenov Askar, Mukhtarov Nurtas, Nakpaev Salimzhan, Yensegenov Sarsenbay, Bekenov Askhat, Dyusengaliev Salamat, Nugmanov Rakhmetulla, Izbasov Maxim, Alimukhamed Kutymrat-uly. Each of them has made a huge contribution to the development of the area, and we highly appreciate it.

**– Zhylyoi is rich in oil, but it is also a center of cultural and spiritual values. According to President Nursultan Nazarbayev's “Looking into the future: modernization of public consciousness,” 100 sacred places and objects were identified in the region. This list includes protected monuments of natural history, cultural heritage, secular and religious architecture, mausoleums, and places associated**

**with historical and political events that have remained in the memory of the people of Kazakhstan forever. Tell us about some of these objects.**

– Zhylyoi is the birthplace of St. Becket, worshiped by all Kazakh people. Here he opened his first mosque, began educational activities and taught children. His father, mother and son were born here. The list of special places also includes the Imankara complex. The height of the cave Imankara is 2 m, and the width is 2.5 meters. Its depth is 25 meters. It is buried in the form of a straight-handled, and it has 3 corridors and additional slots. In the plane above it are 18 mound-fortresses. In 1989-1991, archaeological excavations were carried out on the territory of 6 mounds. Graves dating back to the fifth century BC were discovered, in which archaeologists found the remains of human skeletons, as well as a dagger, a bronze arrow, a bronze mirror, glass beads, and earthenware. According to the research of the archeologist from Western Kazakhstan,

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Zeynulla Samashev, Sarmatians were based here. Mount Iman-kara has long been considered sacred. In the Iron Age, it was a place of worship for many people. It is said that in 1944, groups of German soldiers hid in this cave, as recorded in Serik Shakibaev's book The Collapse of Great Turkestan. The cave is located 60 kilometers northeast of the city of Kulsary. The mosques of Ushkan-ata and Kulshan-ata are also listed in the list of heritage sites. The "Golden Man" was also found - the warrior's armor of gold, which testifies to the culture of the Sarmatians who lived in this region about 2,000 years ago. This relic was found in the barrow Araltube. In general, samples of centuries-old architecture in the ancient cemetery of Ushkan-ata, the graves of Zhuban-ata, Dyuseke-ata, Kulshan-ata, Beket-ata, Uten-ata, the chronicles of them remain the golden path leading to the depths of history.

Speaking of prominent thinkers, one cannot forget about such great and talented people who came out of this region such as famous teacher and poet, Jeanash Nurmukhanov, poet Mendekesh Satybaliev, researcher of the works of the past century, Kabibulla Shdiikov and many other poet and writers.

Overall, Zhylyoi is experiencing a golden period. Volumes of oil production are growing every year and the investment climate in the area is improving. The area here is filled with "black gold" and is also rich in spiritual values. Thanks to the tireless labor of the population of the district, production is expanding, agriculture, entrepreneurship, education and health care are developing. The volume of construction work amounted to 179,035.0 million tenge, 117.3 percent compared with last year. From the beginning of the year, several residential buildings were commissioned, which amounted to about 25,461 square meters. For seven months of this year, the amount of investment reached 1,670.6 billion tenge compared with 710.95 billion tenge for the same period last year.

**Mr. Beket, thank you very much for the interview! We wish continued success and great accomplishments to Zhylyoi! Congratulations on the Anniversary!**

**Svetlana Kairgaliyeva**  
Policy, Government and Public Affairs Advisor

## Supporting Zhylyoi District



**Rzabek Artygaliyev,**  
General Manager, Policy,  
Government and Public Affairs

Since beginning operations 25 years ago, Tengizchevroil has grown side by side with Zhylyoi District, significantly contributing to its economic, social and cultural development. Residents of Zhylyoi District, which is celebrating its 90th anniversary this year, share with TCO both the challenges and hopes for the future.

From day one, TCO realized the importance of developing this region. In just the first five years, TCO delivered the Atyrau Bonus Fund program with its \$50 million budget that helped build 20 residential buildings, as well as

a hospital and a water treatment station in Kulsary. In addition to that, major repairs and re-equipment of the central hospital were completed.

In 1999, a new program, called Egilik, was implemented to replace the Atyrau Bonus Fund. Egilik aimed to support education, healthcare and social infrastructures in the region. Today, Egilik has become a great example of effective cooperation between TCO and the District authorities. The program's mission is to maximize positive impacts on local communities.

TCO has prioritized meeting the needs of local residents through Egilik and, today, has implemented about 50 social programs through the initiative. We are happy every time we see how these programs improve the region's image and, most importantly, people's lives.

Those who grew up here are familiar with the successes and challenges of the area and never miss a chance to speak up during public hearings about them. Some years ago, the biggest issue in the region was access to potable water. Kulsary, with its vastly growing population was in dire need of replacing its decaying potable water system,

built in the 1960s. TCO studied all aspects of the issue and decided to renovate the entire water supply system in Kulsary. This was one of the biggest projects that the Egilik program delivered to residents in Zhylyoi. In total, the water supply system project impacted around 50,000 people.

Prior to starting the works on this project, TCO experts looked at prospects for the city's future development to appropriately define the scope of the project. The scope ultimately included a water treatment station, water tanks and full replacement of the main water line from the station to the city. In total, the project cost \$65 million and took three years to complete. 262 km of water pipes were laid. By comparison, that is greater than the distance between Atyrau and Kulsary. Though all pre-planned works were completed, TCO could not remain silent to additional requests from local residents and also laid tens of kilometers of an internal water distribution system for the community. That is how Egilik helped resolve the most serious issue of the region at the time.

Over the years, TCO has also fulfilled other requests from Zhylyoi residents, including overhauling the boiler house, heat supply system of the city and intercity roads. A new sewage pumping station and several schools and kindergartens were built. Two remote villages, Akkiiztogai and Karagai, were not forgotten either – they were pro-

vided a natural gas supply line.

Five years ago, when the Paryz Corporate Social Responsibility Contest was first initiated by President Nazarbayev, TCO presented its Egilik program and won Silver Prize out of 296 participants. TCO was also presented the "Year's Best Social Project" award with special recognition given to the vocational training lyceum for 420 students. The lyceum was fully equipped with modern technologies and all necessary equipment. Currently, the lyceum is considered one of the top educational institutions of Kazakhstan that meets international best practices.

The geographic location and climate of Zhylyoi District, which includes extreme temperatures year-round and a lack of greenery also create challenges for the local residents. To address this, TCO built a park in the first neighborhood of Kulsary that covered 7 hectares of land. It was given the title "Dostyk" which means friendship. Today, the park has become a symbol of prosperity and friendship between TCO and local residents. Later, another park, Zhansaya, was donated within the framework of a project called "Zhylyoi Greening Possibility Research."

Egilik's goal is and will always be to help people live better lives. We hope that our friendship will continue in the future and we extend our cordial congratulations to Zhylyoi people. Happy Anniversary!

### Zhylyoi is a valuable source of manpower for TCO

TCO is proud to celebrate the 90th anniversary of Zhylyoi district and recognizes the important role that local residents have played in establishing the company and

achieving our goals over the years.

Residents of Zhylyoi have taken on a variety of roles in TCO and demonstrated extraordinary skills and high levels of

responsibility. The number of managers and engineers from Zhylyoi is increasing every year. To date, there are two senior general managers and 51 mid-level supervisors who graduated from local colleges and are working for TCO.

There are hundreds of engineers from Zhylyoi that work

for TCO and many others who work for contracting companies. We firmly believe that these numbers will continue to grow and that Zhylyoi district will continue to be a valuable source of manpower for TCO.

**Saulet Sidagaliyeva,**  
HR Labor Services  
Group Mgr.

### 12 Sculptures For the 90th Anniversary

Zhylyoi district, where the Tengiz field is located, celebrated its 90th anniversary on a large scale this year. The celebration was attended by representatives of government, businesses, honorary citizens, oil and gas veterans and local residents.

Azamat Beket, Akim of Zhylyoi District, in his welcoming speech spoke about the achievements of the region and future development plans, and awarded a group of citizens

who contributed to the socio-economic development of the region with a commemorative medal, among which was Ted Etchison, General Director of Tengizchevroil LLP.

Also, welcoming speeches were made by First Deputy Akim of Atyrau oblast S.Z. Shapkenov, Production Operations Manager of Tengizchevroil LLP Sean Hanrahan and others.

Ehe district community received a big gift in honor of the anniversary from TCO. In front



of the culture house of the district 12 sculptures were installed symbolizing the history of the country.

Sculptures made in the traditional style, are of great value



for the Kazakh people. "We are grateful to the TCO team for the invaluable gift" said Nurbay Suyembaev, Head of the Department of Culture and Language Development said.

## KAZAKHSTANI CONTENT

## Think Globally, Develop Locally

Recently, Tengizchevroil (TCO) hosted an event dedicated to reviewing the company's accomplishments and future plans regarding Kazakhstani Content (KC) development.

TCO employees and contractors engaged in many projects across the organization took part in the event. The organizers provided participants with information packages and stands on KC development results of the companies.

Eimear Bonner, General Manager, Operations, welcomed the participants at the opening

ceremony.

"Kazakhstani content is an integral part of the TCO Way. For us, as a company that aims to create superior value for the Republic of Kazakhstan, company shareholders and employees, development of Kazakhstani Content is a priority commitment. Localization is a priority task for us. Thanks to our constructive relationships with local authorities, communities and our business partners which are based on mutual trust, we have achieved wonderful results in KC development," Eimear



Eimear Bonner, General Manager, Operations

noted.

The stable development of Kazakhstan's market of goods and services that meet the highest international standards is one objective of the company's strategy on sustainable development. Since 1993, TCO has invested \$26.3 billion in Kazakhstani

goods and services and, in only a few months of this year, \$2.1 billion were spent on domestic goods and services.

During the event, Marat Dauletiyarov, adviser Domestic Market Development Group, Assel Nurzhigitova, adviser KC Development Group, Galym Ku-

lov, senior engineer of Drilling and Completions Department, Arailym Kuanyshkereeva, advisor of KC Development Group, and Jeff Bel, FGP representative provided commentary on TCO's overall efforts and performance in the area of Kazakhstani Content development.

At the end of the event, Kevin Kassner, Project General Manager, and Daniel Zholdybayev, Director of Domestic Market Development Group, handed in special awards to the enterprises, who were recognized for best performance in KC development and in providing services. The organizers also had a quiz competition on KC development and prizes were given to the winners from the audience.

S. Sctybaikyzy

## Event in Honor of the Day of Languages

Dear readers, if you saw the last issue of our newspaper, then most likely you read the announcement about an interesting event in honor of the Day of Languages of the People of Kazakhstan - "Language Ecology is the Ecology of Morality." The event, organized by the TCO HR Language Development Group, was celebrated on September 28.

Many employees celebrated the traditional annual language day at TCO. Participants and guests of the event were divided into three language groups: Kazakh, Russian and English. Each



group had to answer questions related to grammatical, lexical, semantic features of languages and not only identify errors in these texts, but also offer the right answer.

Texts and tasks became more difficult, but the participants were excited to take part. They handled the task of correcting errors in the "Message to the Future! Message to the TCO



team 2041 (the year of the 50th anniversary of the Republic of Kazakhstan)" with great responsibility. The document corrected by the whole team was transferred from the hands of the younger generation - the future employees of TCO in 2041 - to the custody of Murat Mukashev, Deputy General Director.

At the end of the event, the organizers celebrated and pre-

sented awards to the participants of language courses, who showed interest and success in learning Kazakh, Russian and English languages. It should also be noted that they were awarded by Roberta Jensky, General Director of Language Link - International Network of Language Schools.

TCO HR  
Organizational Capability

## TCO BBS Oscars III Film Festival

The third annual "TCO BBS Oscars" Film Festival took part in Tengiz on September 27, 2018, which featured an awards ceremony for the winners of the "How to conduct high-quality BBS observations" video contest.

The competition, organized by the TCO BBS team, lasted from March 25 to August 25. 21 videos from representatives of 7 BBS committees and business partners were submitted. Several BBS committees submitted 4-5 videos each.

The purpose of this event is to increase interest in BBS processes, improve the quality

of observations taking place across TCO and eliminate omissions made when filling out observation sheets. Competitors were required to show good quality BBS observations reflecting safe and unsafe behaviors, as well as examples of how Stop Work Authority were utilized.

The jury consisted of BBS committee and HES team members that voted on the winners. "I have watched all the videos and each one is worthy of an award," Mark Buckon, TCO HES Superintendent, said. "I am even delighted that they were able to overcome their

fear of presenting on camera, which is tough for me to this day."

According to the voting results, third prize was given to Production Operations SGI team for the best educational film. The Atyrau City Committee received second prize for exemplary BBS observation in a silent-movie style, and Baker Hughes won first prize for the best demonstration of the stages of high-quality observation.

This year's competition included special categories, such as "Best Actress," "Best Actor," "Best Film Production" and "Best Screenplay."

Best Actress was awarded to Alla Akieva, an employee of the HESLING (HES Department) administrative group. According to the jury, Alla expressively and sincerely played her role and made us think about the proper way to conduct a high quality BBS observation.

Assylkhan Stamgazyev from Atyrau security team was awarded Best Actor for his performance as a "Guardian Angel."

SGP Utilities team from Production Operations won Best Film for their impressive visual and audio effects in their movie that focused on "Save a life" campaign.

The Best Screenplay award

was given to the RMG team for their "One day with a BBS hero" movie, which tells a story of a hero who has the ability to correct an employee's unsafe behavior by pausing the movie. It also makes us think that in real life there is no opportunity to push the "pause" button when someone breaks safety rules.

We congratulate the winners and wish them further success in their creativity. All movies are available to watch on the BBS Homepage and can be used as training material or as safety/OE moments.

Aibar Khamiyev,  
Policy, Government and  
Public Affairs  
Saule Kuzhabergenova  
TCO BBS Specialist



Kazakhstan International Oil & Gas Exhibition and Conference

## The Fruits of Business Relationships

KIOGE is a platform for open dialogue between major foreign companies and consortiums, well-known experts, and Kazakhstani and foreign suppliers in the industry. This year is the 26th iteration of KIOGE.

KIOGE is the largest oil and gas exhibition in Central Asia. During this year's event, Kazakhstani and foreign manufacturers shared their new technologies and equipment. Both the exhibition and the conference provided excellent opportunities for many companies to expand their potential, improve competitiveness, and most importantly, establish long-term and reliable business relationships.

Tengizchevroil (TCO) was a gold partner of KIOGE, which was held with the support of the Ministry of Energy of the Republic of Kazakhstan, Almaty City Akimat, KAZENERGY Kazakhstan Association of Oil, Gas and Energy Complex Organizations, Kazservice Union of Kazakhstan Service Companies, Kazakhstan Society of Petroleum Geologists and diplomatic missions of the participating countries. More than 250 companies from 15 countries took part in the exhibition and conference.

### EXHIBITION WONDERLAND

The KIOGE exhibition was held at the Atakent exhibition center in Almaty and was an excellent opportunity for many companies to showcase their potential and establish business relationships. M.Zh. Dosmukhamedov, the first Vice-Minister of Energy of the Republic of Kazakhstan, delivered a speech at the opening ceremony of the exhibition, stating:

"For a quarter of a century, KIOGE has helped find business partners for oil companies, manufacturers of specialized equipment and service companies. The exhibition is a platform for meetings and business relations of oil and gas companies. This year, companies brought with them innovative technologies in the field of digitalization. These new technologies and engineering software of large international companies will not remain without

attention of participants and visitors. We are sure that our participants will get acquainted with advanced projects, the best offers from service companies and will choose the most suitable ones. The exhibition will include business meetings, negotiations and useful presentations, which, in turn, will affect the conclusion of mutually beneficial contracts," he said.

Many visitors and participants were attracted to TCO's stand to learn more about the progress of the Future Growth Project implemented at the Tengiz field.

"Kazakhstan is our main partner in Central Asia," said the German Consul General in Almaty. "This year, 16 large manufacturing companies from Germany are participating in KIOGE. We depend on mutually beneficial agreements with oil companies of Kazakhstan. Our specialists participate in the work of both the exhibition and the conference, and will get better acquainted with the project for expanding production in Tengiz."

Indeed, the development of the Tengiz field, the implementation of the Future Growth Project and the Wellhead Pressure Management Project (FGP-WPMP) has become one of the main attractions of the exhibition. TCO had an elegant and informative stand. Visitors were provided with thematic brochures, a video, a new issue of the corporate newspaper "TCO News," as well as the re-



First Vice Minister of Energy of the Republic of Kazakhstan M.D. Dosmukhambetov at the opening ceremony of KIOGE

cently prepared "2017 Corporate Responsibility Report."

"For the last two years I have been participating and serving visitors to the exhibition," says Askhat Yergaliyev, FGP KC Development specialist. "We don't even notice how quickly two days pass. There were so many visitors. My colleagues Gulmira Bissembaeva, Assel Nurzhigitova, Janyl Sirazh, Timur Mussin, Sholpan Ismailova, Dana Kuan dykova, Zhanna Bereketova, Alseit Amirov did not get tired of answering their questions to visitors. The geography of visitors is also varied: today we received representatives of organizations from Saudi Arabia, Russia, Germany and the Netherlands with various interesting proposals. We do not leave unanswered any proposal and provide our answers after a thorough analysis."

Individual entrepreneur Bulat Gabdullin stated:

"For me, KIOGE is an indispensable way to meet with old customers again and renew old relationships. I cannot say that from the first time I manage to get a contract, but it is quite possible to outline a common project and conclude a prelim-

inary agreement. Therefore, there is hope."

During the exhibition, Askhat Yergaliyev, FGP-WPMP KC development specialist, and Zarina Batrgaliyeva, supervisor of the contract and strategic procurement group, delivered a presentation on "Prequalification Process Review for TCO Base Business and FGP-WPMP". There was also a meeting with suppliers.

Both large companies and representatives of small enterprises were satisfied with the results of the exhibition. Most importantly, the exhibition, which was full of innovations and new technologies, provided a meaningful opportunity for international and domestic suppliers to establish business relationships with large companies like TCO.

### CONFERENCE FOCUS ON INNOVATION

KIOGE is one of the most important events for the oil and gas industry and the entire Caspian region. This year was no exception, and brought together leaders and specialists from leading companies in the Caspian region and Central Asia. The conference, which included

plenary sessions and round table discussions, was attended by the First Vice-Minister of Energy M. Dosmukhambetov, who noted that innovation and international cooperation are the key to sustainable development.

At the plenary sessions, the current situation and prospects of the industry, methods to improve the efficiency of geological exploration and oil and gas production, digital technologies in production and other equally important topics were discussed. Rzabek Artygaliev, TCO's PGPA General Manager, delivered a presentation on the "Successful Future Through Innovation and Cooperation," which aroused the interest of many participants.

According to R.Artygaliev: "Participation in the discussion of the issue of innovation in large capital projects is a great honor for me. Innovation is an important topic for Kazakhstan. Tengizchevroil, created 25 years ago with the participation of foreign investment and Head of State Nursultan Nazarbayev, not only supports the government's initiatives to develop local content and local specialists, but also actively gets involved in their implementation. Especially, I would like to mention our active participation in the implementation of the Digital Kazakhstan program. The FGP-WPMP project is another step towards the fourth industrial revolution for Kazakhstan." Noting this, he also focused on specific examples and experiences of the company.

On the second day of the conference, presentations were delivered by Kanat Sabdeshev, supervisor of IT development planning group and Gulmira Sharbakova, supervisor of the project portfolio and application support group of IT department, and Aman Akhmetzhan, local content development specialist.

From now on, KIOGE will be held every two years in accordance with a memorandum between the KAZENERGY Association and the ITECA exhibition company. The next conference will be held in October 2020.

"I believe that a new era of KIOGE development will begin now, and the industry level will be even higher," said Baltabek Kuandykov, President of the Society of Petroleum Geologists of Kazakhstan.

In this case, we are waiting for new innovations from the next KIOGE exhibition and conference in 2020.

**Svetlana Kairgaliyeva**  
Policy, Government and  
Public Affairs Advisor



## FGP-WPMP NEWS

## Setting of FGP-WPMP First Piperack at 3GP

On September 15, the 3GP team made a major skyline elevation step in Tengiz when setting the first pre-assembled piperack on its permanent foundations.

Along with the 3GP team, several contractors worked together to achieve this milestone. The PAR Installation Contractor ERSAI completed survey, steel and civils works to prepare foundations for receipt of piperack R402. Then, the Heavy Lift Contractor Sarens safely and successfully landed the 573-ton rack on its permanent foundations using self-propelled mobile transports (SPMT).

This milestone represents the completion of the first major

Mechanical Instrumentation and Electrical (ME&I) scope of work at 3GP, and opens a new ME&I workfront of interconnects for 219 diameter-inches of pipe welding.

It is noteworthy to mention that this is ERSAI's first major activity on the 3GP site and the extended team achieved this milestone safely, on time and without incident. While this piperack is one of the "smaller" modules to be installed at 3GP, this latest advancement is a result of an astonishing amount of work delivered across FGP-WPMP: from the contract negotiation and award, planning and procedure development, mobilization reviews, recruiting, subcontracting,



training and orientation, goods receipt, workforce competency development, constructability tests, temporary facility construction, survey control, equipment inspections and delivery.

Guy Maloney, 3GP Senior Construction Manager, communicated that "The work was done professionally and in a safe manner, with ERSAI's PIC and WRP

in-place and conducting proper Start Work activities prior to the job start."

Alexey Balukov, 3GP I&E Supervisor, added: "This success is a result of joint focus by ERSAI and our PMT to work safely together as One TCO team."

Ashkat Bakhtiyarov, 3GP Civil Supervisor, just joined the Project last week. He was im-

pressed with the construction activities and said: "I have worked before in Tengiz on KTL Project, and am very pleased to be here at the start of this new development. The team spirit atmosphere and strive to deliver here is quite remarkable."

John Stewart, 3GP Senior Project Manager, noted: "We witnessed an outstanding team achievement here at 3GP. This piperack was manufactured in Kazakhstan and represents the successful operation of our entire design and supply chain. We are extremely proud of these joint accomplishments. They reflect excellent collaboration across various teams and meticulous planning, not only by the PMT and ERSAI, but virtually the entire FGP-WPMP services organization. Well done to everyone for delivering this major milestone on time and safely!"

## Double Achievement: Modular CARGO Fabricated in Korea and Italy Delivered to 3GP

On September 1, 2018 a significant project milestone was achieved when the first modular cargo fabricated in Korea was delivered to 3GP site. This was also preceded on July 25 with another important milestone, when the first GTG Modular Cargo fabricated in Italy was also delivered to 3GP. These milestones mean that the entire Logistics Supply Chain concept has now been fully tested and proved.

COSCO's sub-contracted vessel, the Korex SPB No.1 (KES1) completed loadout and sailed away with the first GTG from the Port of Marina di Carrara in Italy on July 11. The vessel berthed in Burgas, Bulgaria on July 20, where Sarens commenced the discharging of the four GTG PAUs on July 22. With PAUs fully discharged and placed in storage by July 25, the KES1 was able to depart from

the Southern Trans-shipment Base on July 26. The load out of 52.P451. B onto the Topaz Lena vessel was subsequently completed and she sailed away on August 1 for entry and transit through the Southern RIWS system.

The Topaz Lena arrived in Kazakhstan at CaTRo Cargo Offloading Facility (COF) on August 17 and successfully off-loaded 52.P451B on August 22. The land transportation began on August 23 and was completed on August 25 when the PAU was set down on stools at 3GP and handed over to the TCO FGP Construction Team.

43.K101.A was loaded onto the COSCO-owned vessel Kang Sheng Kou (KSK) in Shinhan, Korea on May 15. The KSK loaded with both: 43.K101.A and 43.K102.A modules departed Korea on May 25 for her long journey to the Baltic Sea via the

Suez Canal. She berthed in Hamina, Finland at the FGP Northern Trans-shipment Base on July 16. The cargo onboard was safely discharged by the TSB Operator Sarens, over the period from 18 through to 22 July. 43.K101.A was then loaded onto the Topaz Chu MCV on July 26 and she sailed away shortly after and began her transit through the Northern Russian Inland Waterway System via St Petersburg, Russia.

On August 26 the Topaz Chu arrived in Kazakhstan and moored at the COF. Sea fastenings were removed and the load in of the 43.K101.A was completed safely on August 29. Finally, the 43.K101.A was delivered to 3GP on September 1, following land transportation along the Haul Road from the COF to site.

Don Davis, the TCO FGP Deputy Project Manager Logistics said: "These milestones are the culmination of many years of hard work of numerous teams, planning of one of the longest and most complex supply chains ever used on a major capital project. It is fantastic that the supply chain concept has now been proved to be successful with the first modular cargos delivered to site safely and without incident. Achieving this milestone has been a huge team effort and I would like to personally congratulate the TCO FGP Fabrication team and the Logistics Delivery Team on successfully achieving FGP milestones. I would also like to thank all the contributing TCO FGP Teams and our contractors, namely, COSCO, the BlueWater Shipping / Topaz consortium, Sarens, TenizService and London Offshore Consultants."

## KC Success Story:

### RIEs Contract Awarded to a Kazakhstani Company

TCO FGP Automation and Main Automation Contract Team (MAC) have announced the award of a contract for fabrication of nine (9) offshore Remote Instrument Enclosures (RIEs), to "Kazakhstan Caspian Offshore Industries" LLP (KCOI) located in Aktau.

The scope of work includes fabrication of RIE enclosure buildings, architectural fit-out, installation of HVAC equipment and installation and integration of "high tech" automation equipment.

Five of the units are for installation on the Gas Injection Multi Well Pads and the remaining units are spread between Flare Trains 1 and 2 servicing 3GI 3GP boiler units to the OGP Mol Sieve Train 2 unit. Along with fabrication and schedule, transportation to site presents additional challenges. The MWP units are road transportable, however the remaining units due to physical size and weights of between 195 and 320 tonnes, will be shipped by barge through CaTRo

MAC and TCO teams worked together to survey the local market in order to identify a number of suitably qualified local fabricators. This was followed by intense evaluation of highly complex technical and commercial bid submissions, culminating in the selection of KCOI.

KCOI is regarded as a highly competent local contractor recognized for their professionalism, technical knowledge, cooperation

and flexibility during the bid process. KCOI's continued success is due in part to support and investment from its parent company, Rosetti Marino SpA. which is their main shareholder. Rosetti Marino have made significant investments regarding facility upgrades at the KCOI yard and they have further committed to the success of this project and will continue giving offshore support during contract execution.

Placement of this contract to a national fabricator adds significant value to FGP /TCO Kazakhstani Content targets and will be the first ever "high tech" project of this nature and complexity to be implemented in Kazakhstan. It will leave valuable Kazakhstani Content legacy and will provide over 100 highly skilled and technical jobs for Kazakhstani national personnel.

Although this has all come to finalization over several months of intense teamwork, this proposal has been under active consideration by the TCO Engineering and Kazakh Content Teams for several years and is highlighted as a high potential new Kazakhstani oil and gas industrial development opportunity, this is in alignment with "TCO's Memorandum of Understanding Commitment" to Republic of Kazakhstan.

The outcome of this highlights a major Success for FGP and Kazakhstan.

The scope of work is technically complex and additionally challenging due to schedule requirements, however all involved parties, (TCO / PSNK / KCOI / Rosetti Marino) have demonstrated commitment to successful delivery by signing a Commitment Certificate



## FGP-WPMP NEWS

## The Kazakhstan Maritime Academy Graduation Ceremony

On July 5, 2018 the graduation ceremony of Kazakhstan Maritime Academy (KMA) took place in Almaty, Kazakhstan. Twenty young maritime professionals gathered with their parents to celebrate this remarkable achievement.

This is the third cohort of young professionals, who completed the four-year Bachelor of Science degree course at the academy, which opened with support from Tengizchevroil (TCO) in 2012. Some of the graduating cadets gained practical experience during internships with Chevron Shipping Company (CSC).

The dean of Kazakhstan Maritime Academy Dmitriy Kovtunenkov said: "I would like to thank Tengizchevroil and Chevron for their everlasting support and contribution to KMA, without their involvement it would not have been possible to achieve all the targets and to have state of the art facilities that we have at our disposal to support the learning process."

He also added: "This achievement would not have been possible without our major stakeholders and their continuous support over the past six years. Big thanks to Chevron Shipping and Kazakhstani Companies: Caspian Offshore Construction, Topaz and KMTF for their crucial role and guidance in providing practical experience to the cadets and providing and support to the cadets on board, by presenting the equipment for the workshops or sharing the knowledge on procedures and regulations. This year KMA exploring a new terrain, providing the maritime professionals with a high-end training. From January onwards our simulator has been booked solid, with minimal down time. We aim to become maritime and logistics center of excellence in Kazakhstan and beyond."

The academy, located in Almaty, was established to support increasing offshore oil and gas developments and generate employment opportu-

nities outside of the traditional oil and gas sector. It was founded by TCO under the auspices of the Kazakh-British Technical University (KBTU), and partnered with Netherlands-based international maritime educational conglomerate STC-Group. In addition to formal education, cadets must complete a prescribed amount of sea time in order to become licensed professional mariners. CSC provides technical expertise and internship opportunities on its state-of-the-art vessels.

The bachelor program lasts four years. During the second year, the students are sent to the Netherlands for internship that last for 6-8 weeks. After that, they continue their studies in Almaty. The third year includes a compulsory internship of 365 days at sea. The students then return to Almaty for the fourth year and, having obtained KBTU diploma, apply to the Ministry of Transport and Communications to get a license and become professional mariners. They will be able to work on ships of any capacity.

Capt. Grgo Skaro of Caspian Cargo Operations and Fleet Manager, who attended the ceremony in Almaty, said: "During the transportation of FGP-WPMP PARs between the Fabrication port at ERSAL yard in Mangystau and the Load-in port of CaTRo in spring 2018, it has been a pleasure for those of us from Chevron Shipping involved in the TCO FGP-WPMP project to meet personnel who had sailed with Chevron Shipping as Kazakhstan Cadets."

Andy Lucena, FGP-WPMP Project Manager Logistics added: "I invite these young Kazakhstani professionals to become part of the great FGP-WPMP success story. We are thrilled to support development of Kazakhstan Maritime industry and on behalf of all of us at One TCO team we would like to wish all the best to these young Kazakhstani maritime professionals in all their endeavors. Welcome aboard!"

## Seeing the Greener Tengiz

The Tengiz Rotational Village Camp environment is typically described as a utilitarian temporary living accommodation rather than an attractive temporary home-away-from-home. Several voluntary initiatives took place throughout the summer by the Tengiz-based occupiers of these camps.

In their spare time, several Kazakhstani companies' contractors made sustained efforts to clear rubbish from the territory, often blown over by gusts of winds from across the vast expanse of steppe bordering with Tengiz. However, an initiative by several Kazakhstani companies received a special recognition this September by the Zhylyoi Akimat. MunayGas Kurylyys, SenimdiKurylyys, Bolat Zhol, Access and Coating Group, SICIM Kazakhstan, Yulmar Service, Askar Tau Engineering, TengizStroyService, Ariadna and Temirali received a special recognition by Zhylyoi Akim Mr Azamat Beket. In addition to keep their respective camps' territory clean, these contractors made an additional effort to beautify the territory further and grow plants and trees there.

"With Tengiz located in an arid part of Kazakhstan growing any vegetation in this region requires extra efforts," said TCO RV Facilities Superintendent Bekbulat Iztleuov. "The RV's atmosphere has improved since the greening initiative got developed by these Kazakhstani companies. Tengiz RV is greener now and it provides a better environment for rest, recreation and socialisation after work. We strive



to create a culture of care that establishes a sense of community and values health and well-being of people here."

At the end of the speech Bekbulat Iztleuov reminded attendees of the Tengiz Water Conservation Program and that TCO gives an opportunity to provide treated and technical water to all water users and business partners operating a camp and/or industrial base in Tengiz RV. Treated water provided from Shanyrak Village Waste water treatment plant is ideal for watering trees and dust suppression. Potable water should not be used for tree or plant watering. Technical water, provided from the RV Water Treatment Plant, is a higher quality water that should be used for vehicle washing and any construction purposes with low-quality water need. Sustainable use of treated water increases the value of this greening effort. Improving effective personal waste management (bottles, bags, food wrappers) is also an RV wide focus.

"With the RV expanding, the improved living conditions and the sense of community are important," commented Tengiz Field Enterprises Affairs Lead State Inspector of Zhylyoi

Region, Mr Orak Bissembiyev. "The RV tenants make voluntary efforts to improve the Zhylyoi landscape, so we feel they want to fit in and be part of our community. When improving the RV environment, they make a lifestyle choice to improve the place they call home. As a result, they create mini-communities and also make RV a better place for all of us."

Asylbek Zhumagul of MunayGas Kurylyys said: "This is such a special occasion for us: to be recognised for the efforts made recently. It has to be mentioned that these were joint efforts by TCO and our teams to make the RV a better village-like place. We have good communications system and roads, and "technical" water is provided by TCO for watering our plants. Many thanks to TCO!"

Gulnaza Adeubekova of SICIM Kazakhstan added: "It was great to receive recognition letters from the Akimat – an unexpected one too, really. We will continue our voluntary efforts to create a better after-work environment here at RV."

**Marina Fakhrutdinova**  
Stakeholder Engagement  
Advisor, FGP-WPMP  
Policy, Government  
and Public Affairs

## Environmental Action

"We have not inherited the environment from our parents, we have borrowed it from our children. Our children should live in a clean world" – the KazTurboRemont team most certainly thinks this way. They put these words into action by organizing an event at the Tengiz Rotational Village on August 12, 2018.

During this voluntary event, given the name Taza Tengiz

(Clean Tengiz), nearly 40 company employees together with Project Manager Teimurkhanly Shakhin, conducted a thorough clean up the territory. As a result, around 20 cubic meters of various types of waste were collected in 100 large bags for its subsequent disposal.

"Tengiz is our second home. We plan to make this action a tradition and certainly will continue doing it!", Nur-

Ian Talasbaev, ELC Coordinator of KazTurboRemont LLP, said after event. The team is hopeful their environmental focus and sense of ownership would inspire other contractors to follow their course of actions.

KazTurboRemont LLP is an FGP-WPMP contractor responsible for works associated with power distribution in and around Orken Village, including new substations, Gathering and Infrastructure areas.

**Marina Fakhrutdinova**

## PHOTO EXHIBITION

## TCO's Moments in History, captured for good

Atyrau Oblast Museum of Arts and Crafts named after Sh. Sariyev hosted an opening ceremony of "TCO's Moments in History", a photo exhibition dedicated to the TCO's 25th anniversary. 36 pictures, selected as the most descriptive, were presented at the exhibition. 18 of them were made back in the 1990s, when TCO started making its first steps as the only oil and gas company of Kazakhstan, the country which just achieved its independence. The other 14 pictures describe these days of Tengiz. Despite focus on the latest FGP pictures, we believe visitors could see the strong coherence between the TCO's past, present, and future.

"Ah, linger on, thou art so

fair!" It is what comes to mind when you want to memorize a certain moment forever, with every detail the same way. Well, where there is will, there is a way – a camera! Sometimes, we all tend to go through old albums and live the moments dear to us, again. Hopefully, the exhibition visitors had the same experience.

Atyrau Oblast veterans, invited to the exhibition as honored guests, were the ones most impressed and emotional. Many of them still remember the TCO pioneers, some were even friends with them. These are the people who witnessed every phase of TCO's growth over the last quarter-century. Yessen Taskinbayev, public figure and social activist, ex-executive of Atyrau Oblast,



said: "Behind every success of TCO, there are people. Just look at these pictures – they are inspired, thirsty for knowledge and ready for challenges. These pictures do help imagine and understand what a tremendous work was done to get the first Tengiz oil out of the soil. I am truly grateful to all humble workers for that

they got their job done despite all the challenges, somewhere in the middle of steppes, at extreme temperatures both in summer and winter, - they are the ones who turned the mineral wealth of Kazakhstan into prosperity."

Delivering his speech at the opening ceremony, Ted Etchison, TCO General Director, said:

"TCO's journey since 1993 was full of success, mutual trust and partnership. But most of all, it was full of dedication, courage and commitment of thousands of people who put tremendous amount of efforts to make this historical project happen. I am proud to be an eyewitness of what those men and women are capable of. Those people were behind the scenes of the biggest milestones in TCO's history and are there to help discover new and yet promising opportunities." Mr. Etchison also expressed his hope that these pictures would help people see the TCO Journey first hand and make people of Atyrau proud.

The exhibition was open till September 2, Oil and Gas Man's Day. All the pictures were handed to the Museum fund.

**Aizhan Iskuzhiyeva**  
Policy, Government and Public Affairs Specialist  
Photos by Aibar Khamiyev

## CONGRATULATIONS!

## Congratulations to 129 holders of the Zhas Urpak Scholarship Program

Tengizchevroil (TCO) largely contributes to the development of the region, in which it operates, by implementing a great number of social investment projects. One of such projects is TCO's Zhas Urpak Scholarship Program aimed at providing financial support to the children of the company's employees to study at universities in Kazakhstan (bachelor's degree) and universities and colleges abroad.

This year the program was continued, and 129 candidates took part. All participants were selected as successful candidates, 50 of whom participated for the first time.

We would like to congratulate all winners of the "Zhas Urpak" Scholarship Program and extend our warmest wishes in studies.

## Celebrating Muftah Diyarov's 85th birthday

Atyrau Oil and Gas University recently hosted a conference titled "Ecology and Petroleum Industry" in honor of the 85th birthday of Muftah Diyarov, member of the National Science Academy, and Doctor of Geological Science.



The event was attended and addressed by N. Nogayev, Akim of Atyrau oblast, A. Zhaksylykov, Chair of the Board, Embamunaigas, representatives of universities of the Caspian region and research centers, as well as others. The conference participants discussed work connected to Muftah Diyarov, which has had a great impact on the devel-

opment of science in Kazakhstan, particularly in addressing environmental issues in the petroleum sector.

Ruslan Kumatov, Petroleum Engineering Manager, Reservoir Management Group, Tengizchevroil (TCO), and Honored Labor Worker, also took part in the conference on behalf of TCO.

## DIGITALIZATION

## Robocoin – Finance Department's Newest Digital "Employee"

How is Digitalization improving our business processes at TCO? Meet Robocoin – TCO's first digital "employee" that joined the Finance Department in August.

Robocoin's mission is to automate business processes and reduce time spent on repetitive manual tasks. It's a bot that records daily foreign currency exchange (FX) rates in TCO's enterprise resource planning system without human intervention, and is the first product of TCO Finance's Digitalization Initiative, which started this year through initial funding and technology support from Chevron.

In 2017, Chevron launched a Robotic Process Automation (RPA) effort as part of an enterprise wide technology initiative. Chevron's RPA is a methodology used to automate repeatable, high-volume, manual tasks using proven software. TCO Finance developed Robocoin thanks to collaboration and funding from Chevron, which is developing and deploying RPA technology across global business units.

"Robocoin is the first step of Finance's Digitalization program," according to Yerbolat Aubekero, Finance Process Optimization Team Lead, "and is already delivering valuable results." Before Robocoin, a Treasury group analyst manually uploaded FX rates into the JDE system each day. The process involved reviewing FX rates for



14 foreign currencies published on two external websites and manually entering the data into the system.

That task took a human at least 20 minutes to complete. It was highly manual and routine, prone to inadvertent errors that could carry consequences for the business. Incorrect reporting of FX rates could lead to under- or over-estimating payments to suppliers, or inaccurate budget estimations.

Enter Robocoin. The bot performs the automated task of recording daily FX rates in no more than 45 seconds, eliminating delays in other processes and ensuring accurate information is reported to the business.

Viktoriya Karazhigitova, Treasury Manager, is process owner for the Robocoin project. Together with several Finance Subject Matter Experts (SMEs), including Bibigul Khamit and Miras Sarmoldayev, and Yerbolat Aubekero, the team successfully planned and executed the Robo-

coin project from initial testing to deployment in just four months – from May to August 2018.

While the Finance Department developed the vision for the project and worked with Chevron on initial technology deployment, it was also thanks to collaboration with IT's Architecture, Business Application Team, Reliability and Information Risk Management Teams, that Robocoin became a reality in TCO.

The Robocoin project is a great example of how digitalization is simplifying and improving business processes across TCO, and expanding into new areas. "Robots are here to take automated actions on themselves, making our lives better," according to Miras. "There is certainly more to come." Looking ahead, Finance is exploring a new project focused on automating the invoice verification process to reduce error rate and cycle time.

**Ben Priddy**  
Policy, Government and Public Affairs Advisor



## Energizing the Future. Connecting the Present

Global XYZ Employee Network was founded in Chevron in 2000 with about 60 members, increasing to more than 14,000 people today connected through all around the world. The Atyrau Chapter of XYZ was launched in 2013 and includes TCO employees in Atyrau and Tengiz and Atyrau-based Chevron Pipeline Plant (CMI).

Our mission is to connect, develop and inspire TCO's and Chevron's next generation to ensure the future success of our people and company.

We believe that by connecting and including one another we help unlock our potential, give an opportunity to share our brilliant ideas and let them flourish.

XYZ Atyrau Chapter Leadership Team includes 17 talented employees from different roles and departments: authors of this article Lee Yekaterina, Agishanov Arslan, Kuvatov Marat and Akimkulova Umut, Chandler Albina, Cherkasheninova Margarita, Chowdhary Rajnish, Inebayeva Gaukhar, Irmagambetova Aigul, Ivanchenko Viktoriya, Kalykhbergenova Ainur, Kanayeva Ainagul, Kubasheva Danagul, Kulzhanova Meruert,

Paulsen Tim, Sedlar John, Zayouna Duraid. In future articles in the newspaper and web we will be introducing you to our passionate team members.

XYZ Atyrau Chapter Executive Sponsors and Advisors are Andy Mayeux, Sholpan Altybayeva and Ted Etchison.

Yearly XYZ Atyrau and Tengiz Chapters host about 30 diverse events of different size and scale. We get together to meet new faces, learn and educate, get motivation or inspire others, to support community in which we live and work and just have a great time.

Earlier this year we had outstanding speakers for "180-degree



career change" event, that was a panel discussion showcasing five TCO employees who have made a significant career change. The panel consisted of: Kalibek Mukhanov, Nataliya Pavlova, Meruyert Taizhanova, Raddi El-Mogazi, Jennifer Hagar. They shared their experience on how changing their job function had made an impact on their careers and some of the challenges they encountered.

It was an exciting discussion where we could all learn from our colleagues' experiences. Event key note speech was provided by TCO HR GM Sholpan Altybayeva.

### 25 moments of TCO

Over the past 25 years, our company has changed a lot. For some of us, these 25 years have passed like 25 moments and to capture and save those memories Atyrau XYZ was very proud to launch the Photo Exhibition "25 Moments of TCO." A share point link and e-mail box were developed especially for this event. More than 2,500 pictures were received from TCO employees including Contractors and Tengiz employees. The best of the best was selected for the Exhibition. Even though it was no easy task and took many days of long hours and hard work, we were pleased to see that the event really touched the hearts of TCO employees.

**November 2018 is coming!**  
Nothing unites people more

as a desire to help each other and make a difference in someone's life. XYZ Atyrau Chapter is happy to announce that Movember is back for the great cause! Movember is an annual charity and networking event. Every year we spend raised money to support those who are in need. So far, we already have helped kids with hearing disabilities, low income families, elderly house and many others. Do not miss your chance to be part of charity network movement and, as usual, see you at Movember networking events!

XYZ has a number of great events planned for rest of 2018 so stay tuned! If you feel you have energy and passion to contribute to our events we will be glad to welcome you onboard.

To become an XYZ member drop an e-mail to [tcoxyzlt@tengizchevroil.com](mailto:tcoxyzlt@tengizchevroil.com). See you on at upcoming events!

**Yekaterina Lee**  
**Arslan Agishanov**  
**Marat Kuvatov**



## GIFTS TO CHILDREN

### The Way to School

For several years, under the auspices of "The Way to School" program, financially disadvantaged and large families with many children have been receiving charity support from those who care about underserved members of our society. This year, aid was rendered to 300 kids of Atyrau and 68 kids of Koschagil village in Zhylyoi District by Yntymak's social development

initiative and with the help of volunteers from Friends of Atyrau.

The volunteers are always enthusiastic about participation in such campaigns. Their contribution to delivery of this project has put smiles on children's faces – one could see their excitement about celebrating the first day of another academic year and thirst for knowledge.



On September 1, the volunteers visited the boarding school located in Koschagil village and made 68 kids happy by giving them school uni-

forms and backpacks filled with supplies. Teachers were not left neglected either – they were given various memorable gifts. Having done that, the volun-

teers and children went down to the schoolyard, played together for a while and had lots of fun.

**Bakhytgul Kushekova,**  
Policy, Government and Public Affairs Specialist

### A story from TCO Women's Network

Recently, a charity concert was held in Tengiz to raise funds for Guldauren kindergarten in Kulsary, organized by the Tengiz Women's Network team.

Since April 1, 2016, an inclusive study room has been operating in the kindergarten, which brings up 17 children

with various disabilities, such as speech disorders, cerebral palsy, autism, and other disabilities Children attend classes three times a week before lunch. Classes include both logical and speech therapy, and exercise. Educators are graduates of higher educational institutions who regularly at-

tend seminars to improve their qualifications.

The kindergarten management recently reached out to TCO for help in equipping the Montessori room and, to support this initiative, a charity concert was organized. The concert was organized with the support of the Tengiz Women's

Network volunteers, including a group led by Rizuanov Ospan.

The event was attended by about 70 people and a total of 485,842 KZT was raised. As a result, 6 different game and development modules were purchased. On August 6, the modules were transferred to the kindergarten. The children were very pleased with the new, bright modules and immediately began to play with them.

The parents and the kindergarten management thanked TCO volunteers for their help. Members of the Women's Network in Tengiz sincerely hope that this small contribution will not only improve the quality of the children's stay at the center, but also help their early development.

**Susanna Sarsembayeva,**  
Member of Tengiz Women's Network Leadership Team

## TENGIZ, AS SEEN BY JOURNALISTS

## Seeing is believing

Journalists know that a picture is worth a thousand words and, realizing this, every two years TCO PGPA arranges a tour to Tengiz for representatives of media organizations from across the country. This year, over 30 journalists from Astana, Almaty, Atyrau and Kulsary took part in the media tour.

Immediately after boarding

presentations by Gary Enk, TCO Production Operations Manager, and Lee Harris, Tengiz CEPS Manager, with the most necessary and latest data selected.

FGP/WPMP is being executed simultaneously to expand current capacity of Tengiz. It is expected that FGP/WPMP will increase crude oil production by 12 million tons per year and total oil production to 39 million

Plus, it's an amazing heritage for future generations. I am happy to be a part of this media tour; we were shared with details on progress in Tengiz and how Company helps local economy grow."

**Aibyn Shagalak, Chief Editor, Egemen Kazakhstan Newspaper:**

– "Indeed, seeing is believing. I am one of the lucky journalists to whom TCO gave this opportunity. I am really impressed with your plans for the future and the progress in the plants. It is an awesome oppor-



Oleg Chervinskiy



Aibyn Shagalak



Serikbol Khassan



Anna Kushnaryova



Madi Manatbekuly

the Dash-8 plane to Tengiz, the journalists started looking around through illuminators in search of interesting objects and almost immediately began taking pictures. A gleam of interest in their eyes became even more obvious when they saw the first facilities of Tengiz. Rzabek Artygaliyev, PGPA General Manager, Amanzhol Zholymbayev, Safety and Environment Regulatory Affairs Manager, and Nurtas Kenganov, FGP/WPMP Regulatory Affairs Manager, who sat in the forepart of the plane, narrated as the plan swept over TCO's facilities across the barren landscape, answering journalists' questions and providing detailed information on each facility.

Upon arrival in Tengiz, the journalists were greeted and shared some exciting news about TCO's Base Business and FGP/WPMP progress. They particularly appreciated the

tons. The project will enable the existing TCO facilities to continue production at full capacity by lowering the flowing well head pressures and enhancing the pressure to the six existing processing trains. It will use local goods and services, create jobs for local people, and contribute to Kazakhstan's economy.

**Oleg Chervinskiy, Chief Editor, Petroleum Magazine:**

– "Probably because it is my area of expertise, I am happy to visit Tengiz every chance I get. It is such an opportunity for a journalist to be able to see with our own eyes this giant project. I've been here many times, but every time is different. Last time I was here in February. We visited 3GP facilities and construction sites where excavation and foundation construction were going on. After only half a year we're witnessing huge progress. We all know FGP benefits not only TCO, but Kazakhstan's economy as well.

tunity for me. I want to thank TCO and Chevron on behalf of the journalists. I am sure they received creative inspiration on this visit."

**Serikbol Khassan, Chief Editor, Aikyn Republican Newspaper:**

– "It's my second time in Tengiz. The first time I visited was two years ago, in 2016. I remember I was very impressed by Shanyrak village and people's commitment to Safety. I never saw anything like the Visualization Center that is in your HQ, and other state of the art technologies. And that crane with almost 4,000 tons capacity? It is something... But what I am most happy about is the fact that this project is going to create jobs for thousands of local people."

**Anna Kushnaryova, Journalist, Kursiv.kz Online:**

– "I have never been to huge construction sites like this before. For me, the main character is

that crane over there. It truly is off the scale."

**Madi Manatbekuly, Chief Editor, Kazakh Radios:**

– "I had no idea works are of this big scale at oil companies. About a hundred thousand people working? I can't even imagine what it looks like. I was told only FGP/WPMP has 42 thousand personnel, and what's most amazing is that 92 percent of them are Kazakhstani!"

We were very pleased to see the journalists' confidence in Tengiz's future, building on a successful past that includes \$1.5 billion allocated since 1993 to various social programs to cover TCO employees' and local people's needs. Haymish Paulse, PGPA Deputy General Manager, provided additional data to the journalists on TCO's contributions to the social sphere of the region. Starting in 1999, the Egilik program has delivered 8 projects each costing \$250,000,

and more than a thousand of jobs were created and tens of kindergartens and schools built. Mr. Paulse also advised that the annual budget of community investment projects is \$1 million and described each social project. As to the result of these projects, the opportunity to speak was given to representatives of Mugedek Alemi, Koltanba workshops, Zharkyra social entrepreneurship, and Yntymak community development organization.

We hope we could satisfy the journalists' thirst for knowledge. As a result of their visit, multiple positive news stories about TCO and the Tengiz oilfield were published. We look forward to continuing our partnership with media representatives from across the nation.

**Svetlana Kairgaliyeva,**  
Policy, Government and  
Public Affairs Advisor

## HIGH PERFORMANCE BEHAVIORS

## Integrated Production Schedule

High Performance Behaviors are becoming part of daily routine for TCO employees. To support this initiative and increase an awareness of our employees, different events and conferences we organized. Currently we are publishing HPB monthly newsletters, where each employee can find valuable suggestions on how to demonstrate these behaviors. We believe that the best way to encourage our employees to use those suggestions is to provide examples of their colleagues'

success stories. One of those stories is the development of Integrated Production Schedule (IPS) that is an excellent example of how to demonstrate "One TCO's" Enterprise-wide thinking behavior while achieving high-quality results. We asked Chris Atwood, Aibek Urazov and Ulan Onbergenov, who were involved in the IPS project to share their story of success.

**– What was the main goal of the project?**

**Chris Atwood,** Base Business

Advisor, TCO: – As part of FGP integration and trying to get prepared for the project, we started building the Integrated Production Schedule (IPS) looking at a horizon of 5 years to help ensure the Field is able to continue to deliver maximum production efficiently while FGP and other projects are being executed that might have an impact to production. Equally as important, IPS was built to better understand FGP's and all other Project's execution and to identify not only clashes,

but also to recognize areas of opportunity that would help facilitate optimized execution.

**– Which departments were involved in this project?**

**Chris Atwood:** Early in the project it was mainly Base Business and Field Operations taking the information available to build a comprehensive 5-year schedule. Once the schedule was substantially built for the Base Business activities and projects, FGP started supplying information for project activities as they evolved in their schedules. As all these schedules were being compiled, RMG started working on how to

take the information and translate it into a long-range production forecast to help satisfy one of the primary objectives of IPS – maximizing production efficiently. Other departments that have been involved in the development of IPS are Projects, D&C, IT, and Maintenance.

**– What are or were the main challenges that you faced?**

**Ulan Onbergenov,** petroleum Engineer, TCO:

– When building the schedule, it became very apparent that there were schedules in a lot of different formats ranging from spreadsheets to Primavera P6 that is the

## TENGIZ, AS SEEN BY JOURNALISTS

### The Tengiz Experience

For two days from September 13-14, 2018, a group of Embamunaigas JSC ('EMG') specialists had an opportunity to get acquainted with Tengizchevroil LLP's ('TCO') practices of maintaining social facilities, arranging leisure and working conditions for rotational workers, as well as the activities of the largest oil and gas company in the field of stakeholder communication.

On September 13, EMG experts visited social facilities in the Tengiz field. The delegation of the national oil company was headed by Deputy Chairman of the Management Board on General Issues Salimzhaan Zhumashevich NAKPAYEV. The delegation from Emba included Financial Controller N. A. Tazhmagambetova, Director of the Department of Social Policy and Economic Security S. A. Kumiskaliyev, heads of departments of social policy of the 4 oil production departments, employees of the Department of Social Policy and Public Relations.

During the visit to the Tengiz field, EMG specialists visited gyms, pools, cinemas, cafeterias in TCOV and Shanyrak village. What our delegation found particularly interesting is the methodology and organizational activities of the Kemel health center, catering services provided for employees working in the night shift, security services to ensure the safety of the company's property in the field, as well as a wide range of medical services provided by TCOV Clinic.

The next day, TCO specialists held a seminar in EMG headquarters, addressed by General Manager of Policy,

Government and Public Affairs Rzabek Artygaliev, General Manager of Human Resources Sholpan Altybayeva and Facilities Management Supervisor Nurlybek Kalybayev. During the seminar, Ms. Altybaeva spoke about the principles of work with the staff, existing motivational programs in the company and efforts in the field of strengthening internal communications. In his speech, Mr. Artygaliev informed about the comprehensive work of his department responsible for a number of important activities of the oil and gas company – from building competent communications with government agencies, NGOs and the media to the implementation of "Egilik" social infrastructure program and projects focused on developing social entrepreneurship in Kazakhstan.

TCO Facilities Management Supervisor N.Kalybayev described the main functions of his group in Tengiz and Atyrau.

At the end of the seminar, Deputy Chairman of the Board on General Issues of EMG Mr. Nakpayev thanked Mr. Artygaliev for organizing a useful tour and seminar for specialists involved in social aspects:

- Despite the fact that most of the company's Emba fields have passed the peak of production and a large territorial dispersion of 33 fields under development, the company pays great attention to the improvement of social and living conditions for oil workers. In recent years, a large-scale program to enhance social infrastructure is being implemented, new models for the effective management of social facilities are being developed. Therefore,

we are particularly interested in the experience of oil companies in which these processes are built in compliance with international standards and requirements – said Mr. Nakpayev.

Other executives of the company also shared their impressions of the visit and seminar.

Financial Controller Nursaule Tazhmagambetova:

- We are grateful to the managers of Tengizchevroil for the informative trip to Tengiz, during which we got acquainted with food and leisure services management for employees of TCO and contractors. I would like to emphasize that all conditions have been created for people who adhere to the principles of healthy food and lifestyle. There are all conditions for sports and cultural activities. Unlike TCO, which develops one large field, our company has to provide social infrastructure for more than three dozen fields scattered in four districts of Atyrau region. Despite this fact, Emba management is currently working hard to bring social conditions to international standards.

Director of the Department of Social Policy and Economic Security Sansyzbai Kumiskaliyev:

- As head of the department directly responsible for ensuring social aspects, I would note a wide range of services provided to residents in residential areas, availability of shops with necessary sundries and souvenirs, hairdressers, storage rooms. I would also like to note the work of the security service, as well as the automated system of registration of residents in shift camps to ensure security in emergency situations.

**Laura Suleimenova**  
Head of Public Relations  
Embamunaigas JSC

## HONORING PENSIONERS

### Great appreciation

For TCO pensioners, the first week of September is a time when they are waiting for a call from HR to receive a special bonus payment and an invitation for a special event. This year was not an exception. 217 pensioners who dedicated long years of service to the company that they retired from with honors were invited to a special dinner. And what made this dinner special is that it was held during the year of TCO's 25th anniversary and the week of Oilmen's day celebrations.

105 retirees who live in Atyrau gathered in Samruk restaurant far in advance of the time shown on invitation cards. It is always interesting for them to learn directly from TCO Management about the latest news and achievements of their company where they worked for many years. And of course, it's a great opportunity to meet old friends and colleagues to recall good old times.

TCO General Director Ted Etchison, his Deputy Murat Mukashev and Capital Projects General Manager Kevin Kassner personally greeted each guest and asked questions about their health and families.

The retirees highly appreciated the respect from the Management and carefully listened to their congratulatory speeches.

According to Ted Etchison: "Dear pensioners! This meeting is very important for me since it was you who contributed a lot to the development of the giant Tengiz field. We express our appreciation for your long service in the history of our company.

Of course, I am confident that you are interested in knowing the latest achievements of our company. This year, we set a record of 100 million manhours without days away from work incidents among our employees and contractors. Future Growth Project – Wellhead Pressure Management Project has increased its pace of execution. We are always proud that Tengiz veterans, geologists, oilmen and thousands of employees contributed to success of Tengiz. I wish you strong health and happiness to you and your families."

The speech of General Director was followed by the speech of Deputy General Director Murat Mukashev:

"There is no future without the past. Today, TCO occupies a special place in global oil business being the leader of Kazakhstan's oil and gas industry. This is all thanks to your work and your younger colleagues' contribution. We think that the most important contributor for the company are you, Tengiz pioneers and everyone who were part of TCO's formation and growth. Human capital is the most important asset. We will always be with you and we wish you strong health and long life!"

After the congratulatory speech of the Management TCO pensioner Kengan Aidarbekov and Chairman of Atyrau branch of veterans' council Tursynbai Bakhtiyarov took the floor to appreciate TCO for respect and all warm words.

Local singers Serik Alibekov, Amanzhan Basygariyev and Sholpan Mukasheva performed for the retirees. At the end of the dinner, 42 pensioners who celebrated anniversaries this year were awarded with special letters and gifts.

A similar event was held in Kulsary for TCO pensioners who live in Zhylyoi district where Tengiz field is located.

**S. Shektibaikyzy**

## HIGH PERFORMANCE BEHAVIORS

planning and scheduling software that TCO uses. To be able to efficiently manage the data, all the existing schedules had to be converted to P6 and it was time consuming. Another challenge we continue to have is getting people to think in terms of what activities are going to be in next 5 years from now. We found that there is generally not much thought given to much beyond a year. As people and departments have started to better understand our mission, we have started getting more and more support. And finally, RMG has been able to develop methods for taking the data in IPS and ef-

ficiently translate it to long-range production forecasts utilizing the current software models that were intended for higher level forecasting with not as much detail that the IPS provides.

- **What are the results?**

**Ulan Onbergenov:** – We have been able to produce long range production forecast recognizing when there are periods at risk of being below expected production delivery and then optimize by changing the order of activities or rescheduling those activities when there are periods of higher available production. For the project execution optimization aspect of

the IPS, we have been able to provide FGP the projected windows of time when existing pipelines are shut down for repair to optimize their pipeline crossings that is in excess of 1000 crossings by allowing FGP to execute the most efficient type of crossing and also lower the probability of crossed pipelines having to be shut down for the crossing that might impact production.

- **What are the other benefits for TCO?**

**Aibek Urazov,** Project Integrated Planning Consultant, TCO : – The IPS and the data it contains is being extracted directly

to generate long range SIMOPs clashes in the SIMOPs visualization tool that will allow early detection of potential SIMOPs clashes allowing time to hopefully reschedule activities and when not possible, governance has been developed to manage conflict through escalating the issue within management with the goal being a One TCO solution. The information in the IPS will also be extracted directly as an input to a new production optimization tool called CARPO that will help optimize the gathering system configuration and other parameters to maximize production by

minimizing well load-up risks. As mentioned previously, the purpose of the IPS is to maximize production efficiently through collaboration and partnership while also helping to facilitate efficient project execution. When there are conflicts, there is a conflict resolution protocol used to ensure that the overall enterprise is honored in the decision making.

**Mira Kuderova,**  
Employee Development  
Group Supervisor  
**Aliya Akysh,**  
Employee Development  
Team Specialist HR Organizational Capability

## SPORT

## In honor of the 25th anniversary of TCO and NCOC

Infinity billiard club hosted a billiards tournament among oil and gas companies of Atyrau region. The tournament was organized in honor of the 25th anniversary of TCO and NCOC.

**G**reen cloth. The perfectly smooth surface of the ball. An elegant cue makes a sharp move and the balls are thrown across the billiard table. Another well-aimed blow, and more and more balls are in the pocket. Rivals are good both in accuracy and combat tactics.

This game of billiards requires incredible concentration not only physical, but also intellectual, especially because the tournament is held among the strongest representatives of the oil companies of Atyrau region.

TCO, NCOC, KazMunaiGas and EmbaMunaiGas each

presented their three Champions for the tournament. The strongest players selected in the preliminary games defended the honor of their employers. Tengizchevroil was represented by Nurlybek Nurgaliyev, Amir Kairbek and Alexander Lee.

The battle of the titans lasted about 8 hours. Up until the final game it was not clear who will get the Champion's Cup. But in the end, the prizes were distrib-

uted as follows: 4th place went to the team of KazMunaiGas, TCO was awarded 3rd place, 2nd place went to the players of EmbaMunaiGas and, well, the winning first place was taken by NCOC. In addition to the Cup, all players were awarded prizes.

It should be noted that the tournament was organized jointly by TCO and NCOC. "The tournament was held at the highest level and may

become tradition in the future", said Arman Koibagarov, Director of NCOC Human Resources Management. According to him, such events contribute to the formation of team spirit not only among the players of the same team, they unite all companies, allow employees to expand their ties, which greatly helps in their work.

**Aizhan Iskuzhiyeva**  
Specialist, PGPA



## Work Hard, Play Hard

Every year Tengizchevroil celebrates Oil and Gas Industry Workers' Day with sports tournaments. The tradition remained the same this year: billiard and bowling tournaments have been carried out for the last 8 years.

**O**n September 1, a billiards tournament was held. More than 30 people took part in the tournament. The game lasted more than 6 hours, the tension was increasing. After all, the final game determines the representatives of the TCO team at the tournament between oil and gas companies of our region.

Each of the players showed their best, according to the organizers, over the past 8 years, the participants of the tournament have grown and mastered new skills. "If in the first years we played without rules: the main thing for us was to hit the ball and send it to the pocket, now the players choose the right style of play, build their strategy. Improved from year to year", said longtime judge

Zholdas Aymuratov, President of the Federation of Billiards in the Atyrau region.

According to the results of the game, prizes were distributed as follows: Lee Alexander and Kairbek Amir – 4th and 3rd place respectively, the second went to Nurgaliyev Nurlybek,

well, the best player was recognized Kurmanbayev Nurkhan.

\* \* \*

Well, exactly a week later a bowling tournament was held. 22 teams defended the honor of their departments in this game. As a result of the team standings, the third place went to SCM, the second went to IT, well, the honorable first place went to RMG. We also singled out the best players. So, among men, the best player was



Kalybayev Nurlybek, whereas among women was recognized Merye Shinikulova.

In addition to billiards and bowling, competitions were held in Tengiz as well. Thus, the traditional "Tengiz Cup", which includes tennis, table tennis and chess competitions lasted from 2 to 9 September. The winners of the chess tournament: among men – Arinov Serik, among women – Zharylgasova Aitolkyn. The best player in tennis among men was recognized Kurenkov

Timur, among women – Khristova Katerina, who also won with Anashkin German in the doubles.

As a result of table tennis, the winners of single games were Zinatov Akzhol (among men), Kushaliyeva Gulmira (among women), and the winners of the doubles were Lukin Sergey and Inkabayeva Aitolkyn, who took 2nd and 3rd place in single games, respectively.

**Aizhan Iskuzhiyeva**  
Specialist, PGPA



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