



ТШО ЖАҢАЛЫҚТАРЫ

«Тенішевройл» жауапкершілігі шектеулі серіктестігінің басылымы
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Tengizchevroil Newsletter

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TCO NEWS

April 6 - the anniversary of TCO's Formation Agreement

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TCO'S PRIMARY ASSET – COMPANY EMPLOYEES

Stories about TCO people – on the newsletter pages

Oil Exhibition in Atyrau

In pursuance of the established tradition, during the three days starting from April 14, 2015 Tengizchevroil was participating in the significant annual event Atyrau Oil & Gas Exhibition. The event, now held for the 14th time, has long become a traditional venue gathering petroleum industry specialists not only of the Caspian region and Kazakhstan, but from entire world industry community. Since the exhibition was first held in Atyrau, TCO has been its active participant; and each year we see the scope of the event ever expanding with more parties willing to attend. Over 100 businesses engaged in petroleum upstream and downstream, also providing services to production companies, including construction, took part in the exhibit, setting their booths.

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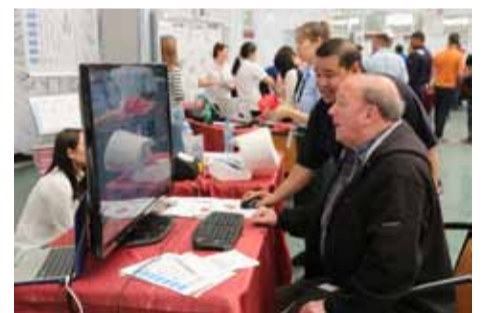
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Employee dynasties in Tengiz

Ruslan and Arthur Jumagaliyev, Vladimir and Michael Antonov, Komek and Askhat Bazabayev, Anatoliy and German Gaun – their family names serve the live history of our plant and our glorious team of employees united under the proud name of Tengizchevroil. Komek Bazarbayev's job title was supervisor of Technical Inspection at Tengiz Gas-Processing Plant. He was in charge of providing technical documentation and state standards for the plant archives. Also, he volunteered to act as mentor for the young specialists arriving at KTL-2. Komek was reading lectures on pressure vessels and boiler operation. Being a mentor, he would always start his lecture with a template reminder, saying to his trainees "you are the future of Tengiz!" Komek Bazarbayev retired at the age of 63. Askhat Bazarbayev was starting his career at TCO as a KTL operator and later got a transfer to Second-Generation Plant where he continues to work. Vladimir Antonov became a truly legendary personality at TCO being a pioneer, who stood at the cradle of the plant's mechanical maintenance. He personally took part in pegging the area for the future upstream facility in Tengiz and later was part of the startup team for the plant startup, and still later was in charge of establishing the mechanical maintenance shop. The shop occupied several buildings which accommodated the forging shop, the welding shop, the pumps and



compressors and the warehouses with spare parts. The Mechanical Maintenance Department at Tengiz was as equipment intense as a similar type department of Embanefit Production Association in charge of providing mechanical maintenance for all field facilities in the Western Kazakhstan. This was largely due to the personal contribution Vladimir Antonov made to the business. V. Antonov later accepted a transfer to a new job at the Sakhalin field. Michael Antonov arrived in Tengiz during the hard times of 1990s and he also dedicated himself to mechanical maintenance. Nasipullah Gabdullin spent many years working as operator for Unit

200/300 at KTL-1 after his earlier job at the Guryev Chemical Plant which was known as unique technology intense facility in the past. He acted as mentor for all operators assigned in charge of Unit 200/300, no matter what their age, earlier experience and job history. His son, Aimbet Gabdullin started his career in Tengiz as mechanic in charge of servicing the gas bottles and providing maintenance for units and compressors at KTL. Presently, he is supervisor of TCO Waste Water Utilities Section at SGP. Anatoliy Avgustovich Gaun is a personality extremely popular among the oilmen in the Atyrau Oblast. The tremendous expertise he has

gained while working at large facilities in Atyrau and Tengiz accounted for the strong credit he had among professionals and eventually allowed him to act as consultant for many technical projects implemented in the course of regional upstream industry development. Anatoliy Gaun joined the Tengiz project on request by Michael Michailovich Gurskiy, who assigned him in charge of KTL-1 startup. He began his career in Tengiz as senior operator of Unit 200/300, but very soon was promoted to the job of unit supervisor. This is due to him a very special team spirit was created in all operator teams in Tengiz. His brother German Gaun started his career in Tengiz as compressor

units operator. Over initial three years he learned all jobs at Unit 200 and Demercaptanization Plant and knew the process as the back of his hand. Presently German continues as operator for the Oil Section.

Arthur Jumagaliyev is consultant for the Sulfur Section. He began his career at TCO as Unit 400/500 operator, and later was transferred to a new position at sulfur granulation plants.

During the 1990s Arthur's mother worked as operator for Unit 900. Later Zhanylsin Jumagaliyeva applied her expertise to her new job in charge of writing first process instructions at KTL plant. Today she works as administrative assistant at the plant and enjoys a strong respect of all young operators. Arthur's father, Ruslan Jumagaliyev is part of the team of TCO Drilling Group.

We at the plant also have two employees, both coming from the Zhylyoi Region, who feel very proud they used to work side by side with all representatives of glorious dynasties of TCO. They have become long-livers themselves. Their names are Ruslan Inebayev and Serik Umarov. While looking forward to celebrating another anniversary of Tengizchevroil soon, we are happy to offer our warmest greetings to Askhat, Arthur, Michael, German and Aimbet, and also to Ruslan and Serik, recognizing their strong contribution in achieving newer records which make the pride of TCO's. Long live the employee dynasties at Tengizchevroil!

**By Rasymkhan Matenov,
Unit 300/800 operator
at TCO KTL Plant**

Oil Exhibition in Atyrau

(Continued from Page 1)

The opening ceremony started with welcome remarks made by Gumar Dyussebayev, deputy Akim of the Atyrau Oblast, who noted that "despite the plunge of oil prices, the interest to our event worldwide remains intense, and the number of participants grows each year. With support from the local authorities a stable positive investment climate has been established in the region." More greetings to the attendees came from Viktor Savelyev, chairman of the government of Udmurt Republic of Russia and Ambassador of the Netherlands Hans Dreiser. The VIP guests on their tour of the exhibition were welcomed at TCO booth by Anuarbek Jackiyev. During the three days our colleagues from various departments of Base Business and Future Growth Project/Wellhead Pressure Management Project (FGP/WPMP), such as Total Supply Management, including Local Content Development and Contracts and Strategic Purchasing, Human Resources, Operational Excellence/Health, Safety & Environmental and Policy, Government and Public Affairs worked at the booth, receiving potential suppliers, explaining hiring procedures at TCO and taking questions about TCO activities. The team of our representatives enjoyed an opportunity to talk with representatives of various companies from Kazakhstan, Russia, Azerbaijan, the Netherlands, UK, China, Canada, Turkey, France and Italy. According to what Dinara Mademi,

supervisor of Kazakhstan Content, FGP/WPMP shared with us after the exhibition was over, "many Kazakhstan businesses in attendance at the event have already been registered in the TCO/FGP/WPMP data base, yet we identified 14 more local companies which can be potential providers of goods and services to TCO, so we explained to them the process of registration in our data base." Nurlybek Kurakov, specialist for Local Content Development added that the majority of questions were about qualification of vendors and registration in the data base, bidding procedure, TCO requirements to contractors, including in Safety & Environmental area and payments, possibility to visit Tengiz with presentation of business and to meet with specialists, TCO's base business and products available from Tengiz and, lastly, Future Growth Project and opportunities to be engaged in it. Nariman Alimov, SCM senior specialist noted that the exhibition "served a good opportunity for potential suppliers to know more about the recently implemented Supplier Expression of Interest (SEOI) process. The new process has significantly streamlined our effort. The suppliers seeking contracts and work orders from TCO now need to submit their SEOI by registering their account on respective webpage and using the template. The whole process takes 20 to 30 minutes. Although I was not part of the team which developed the process, I feel proud I was among those specialists of TCO who were tapped by the suppliers for information and who received



the feedback immediately after the process was implemented." Incidentally, during the same period of time the Atyrau Hotel was hosting the OILTECH Atyrau 2015 technical conference with agenda covering the following subjects:

- Review of key projects implementation and prospects
- Innovative technologies and methods in exploration, field development and wellhead pressure maintenance
- Issues related to development of reservoirs of super viscous oil; practical aspects of drilling, production and servicing
- Fields infrastructure and well maintenance: development of comprehensive program to increase operational effectiveness and asset management quality
- Development of downstream and petroleum chemistry

- Protection of fragile environment of the Caspian and prevention of emergencies

Our Company was represented at the Conference by three presenters. Aizada Azhigaliyeva of Reservoir Management Group made a report on the subject of Updated data for sour gas injection in Tengiz. Toleubai Bagdat, geologist made a presentation on Tengiz slope physiography. None-the-less informative was the report by Aidar Dosbayev, deputy director of FGP/WPMP, who spoke about FGP-world-class project. His presentation contained a general overview of the Future Growth project/Wellhead Pressure Management Project, plus overviews of facilities to be constructed and the update on FGP progress. In his report Dosbayev said that as of today the FGP/WPMP is past

the front-end engineering job and is into the detail design. In spite of the situation with oil prices, the project works continue and TCO's commitments what concerns Kazakhstan content for the project remain intact. FGP/WPMP move ahead and are expected to generate a significant value to the economy, both regional and national, which will result in creation of thousands of new jobs and legacy of well-trained workforce, encouragement to form newer joint ventures, use of local goods and services, technology transfer and more. In general, the days of the exhibit appeared a very busy time, with many things successfully and effectively accomplished. While leaving the event, many said they were looking forward to meeting again next year at the anniversary Atyrau Oil & Gas to be held for the 15th time.



Arai – more than just a woman's name

Arailym Madarova is a living example of strongest dedication. She learned about Tengizchevroil by chance when she was student of 11th form at school. But this chance has determined the young lady's goal in life, as she suddenly decided she would definitely work at TCO. She enrolled at the Al-Farabi Kazakhstan National University, specializing in chemistry and chemical processing. All along her training Arailym shrined her dream of becoming an employee at the company in charge of a super-giant oilfield. In 2012 her dream started to turn into reality as she was assigned to TCO Central Lab as intern.

"This was a great joy, indeed," – said Arailym reminiscing. – I was breathless as I imagined how I

would make my first trip to a remote location in the middle of the steppe where I will start my practical work, yet the expectations were exciting. And those expectations came true. Arailym Madarova's mentor was Kamazhai Nurayeva, shift supervisor and person #1 at the Central Lab. Then she started to practice in sample testing which is the basic skill essential to every professional chemist. When Kamazhai Nurayeva's hitch was over, Arailym became the responsibility of her back-to-back – Elena Karpenko, who appeared similarly kind, yet still more strict and punctual mentor. She addressed Arailym with a smile and the same greeting every morning, calling her "my lovely spring of the day" which essentially was exact meaning of the Kazakh

name Arai. "The Sun is up, and it is time we must get to our business," she would say and add that "your own name instructs us to do so." The moment she said so, Arailym felt a surge of enthusiasm in her heart, and she was eager to work and learn more about her profession. The team of TCO Central Lab liked the young lady, so everybody

intern demonstrated excellent knowledge of profession and good skills, so she was hired as perm employer. Arailym Madarova has been on staff of TCO Central Lab for almost three years. She was accepted by the team and does not feel herself a novice anymore. Of course, the rotational schedule and 12-hour long working day is a challenge

business accounts for the fact the professional training and development is a continuous process. Arailym compared her present level of knowledge and skills with what she had when she received her diploma and admits the difference is great. Lastly, she is working exactly with the company she once dreamed of. She is in the right place. This gives her tremendous inspiration, so she

is afraid of no challenges. "I believe I was very lucky," Arailym confided in me. – I mean both the prestigious employer and the great team of colleagues. I appreciate the strong team spirit in our group; and everybody treats young specialists with particular care. When I go home after my hitch is over, I momentarily get nostalgic about Tengiz, our people, our very special team spirit. I am longing for the wonderful view of the plant, those beautiful units which look especially fantastic during night hours. I start missing my friend Zhanar Shnasheva who lives in Kulsary... In other words, this is very true that TCO is a great and strong family."

By Georgy Trukhin



wished her a happy graduation and hoped she would come back on board. Arailym's wishes were the same, thus she never hesitated sending her resume to TCO. The response arrived after six months of waiting. The letter said she was invited for an interview. Acting as her interviewer was K. Nurayeva. As a result, her former

to meet. But the work load is fairly stable with the normal number of tests in the range of 10 to 20 per day and significantly more during turnarounds both help to maintain a good physical shape and keep up the spirit of competition. Secondly, the higher responsibility builds inner discipline and no-nonsense attitude. Thirdly, TCO's special style of

people, our very special team spirit. I am longing for the wonderful view of the plant, those beautiful units which look especially fantastic during night hours. I start missing my friend Zhanar Shnasheva who lives in Kulsary... In other words, this is very true that TCO is a great and strong family."

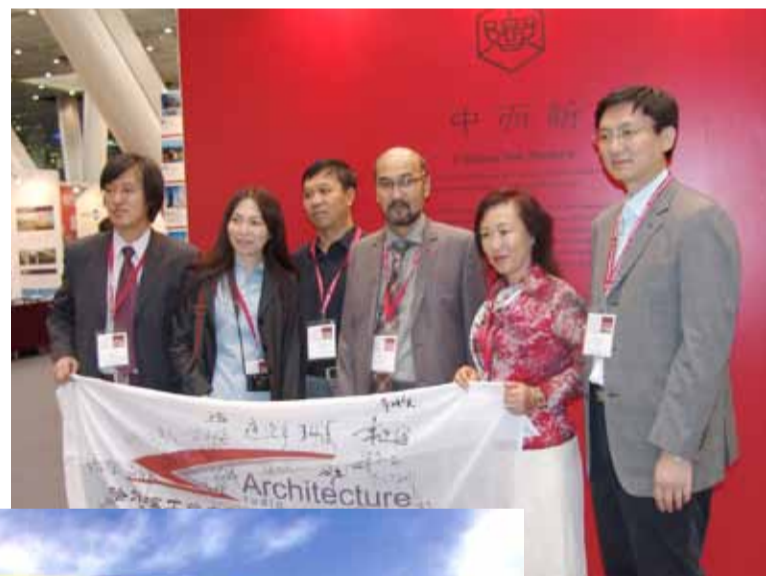
The white sail of creativity

As the wise men say, every new meeting along the life's journey is anything but coincidence. I was very lucky meeting this man, however, I believe our meeting with Samat Adilov, architect and engineer, man of creative work and business had been planned somewhere in the outer space long before. Some exceptional, truly extraordinary meetings do occur in everybody's life. I mean those that bring you the sense of something totally new, unknown, delightful and inspiring pride. Sometimes it happens that you have been knowing this person for years as a modest worker, with a special dedication to his trade, expert in his own domain and treating his colleagues with respect, yet with awareness of his professional superiority. Then, all of a sudden, it transpires that the beautiful pieces of contemporary architecture you enjoy while walking down the streets of your home town, such as nice looking living houses, office buildings, small things of original design here and there happen to be the products of your colleague. So you begin to appreciate him as a true master! Starting from 2013, Samat Adilov has been part of the team of TCO Special Projects as engineer. He enjoys a strong respect among colleagues and management as author of a large number of design projects he completed, saw approved and implemented. Truth must be said, some people spent quite an effort talking him into accepting a job at TCO after he came up with an avalanche of great architectural ideas, valuable technical recommendations, professional hints and keen esthetic counsel,



but most importantly, offered valuable practical assistance during regular consultation on some project. Samat Adilov has indeed proved to be the master in his trade. Since he accepted a position with TCO, he has made a tremendous difference and corrected many things to the benefit of the company business and image. This was like injection of fresh blood in the vein that stimulated the process. This man is a true generator of great ideas, who also loves his profession. By the way there was nothing extraordinary in his early years. Same as many, he finished the school and graduated from the institute. Interestingly enough, at first this was not Architecture and Civil Engineering Institute, because Samat chose Moscow State University and department of journalism. Yet, no luck that time. He was

wandering down Moscow streets in sulky mood when suddenly spotted a beautiful building of Moscow Institute of Architecture. For some reason he felt a sweet pain at heart, while his feet instinctively led him to the main gate... Then was the exam held in the form of a drawing contest which could hardly pass for a great



success. But the young guy from Kazakhstan developed the character and the talent, so he was accepted. After he graduated from the institute, Samat had a very busy time. Soon he established himself as a professional and was recognized among architects. Nowadays, Atyrau has quite some architectural projects completed, using the design engineered by Samat Adilov. The best recognized are the buildings of Akzhelken (White Sail), the Regional Court and PSN KazStroi.

One of Samat's unique experiences was the attendance of UIA World Congress in Tokyo, Japan. He was the only representative of Kazakhstan at such a prominent event in the world of architecture, and it was a success. His project was recognized for "unique architectural thought along with absolute functionality, innovation and great idea." The recognition in Tokyo allowed for Kazakhstan civil engineering professionals to claim their strong competitiveness in the

business worldwide.. You may ask what next... Many more ideas, a new dream that propels the master ahead in his creative pursuit like a white sail. And the energy is sourced from Samat's love and total dedication to his job. Actually, Samat Adilov consented to open his treasure trove of architectural ideas a crack, so we are happy to share the picture with our readers. Yet this is only the beginning, and the final solution we will be able to see in the near future. We have a good reason to be proud of our specialists at TCO. Good luck Samat, wishing you a successful and productive creative work!

By Saule Nigmezhanova, business manager, TCO Special Projects.

Raul, a TCO Reception guy



footballer. She had a dream that her grandson could once also become a soccer superstar. No luck what concerns football, yet, speaking of superstar... Hey, maybe we should not rush events. After all, the guy is very young and he has plenty of time to become a distinguished personality.

First of all, for those who are not aware of the meaning of the word 'reception' recently borrowed from the English language, the concept essentially refers to the person that is the initial contact in an office.

Secondly, Raul is a young man, and he is neither Spanish, nor Portuguese by origin. Neither is he a Brazilian or Mexican. He is a local guy, although there is definitely something special about him. Who could imagine that Raul Kabdrakhmanov, a receptionist at TCO HQ in Atyrau in charge of registering visitors and distributing pouch mail is also a laureate of the Nauryz Jam 2015 Music Festival in Almaty? Would you know, our man has written the lyrics and choreography for the musical. How to become a star? and became the winner of the jolly students' contest recognized among the brightest events favored by the young residents of Almaty this spring. Yet, let me start from the unusual first name. The name truly unusual to the Kazakhs was the choice of the young man's grandmother. What happened is she used to be an ardent soccer fan and worshipper of Raúl González Blanco, known as Raúl, a Spanish professional

Raul graduated from the Suleyman Demirel University in Almaty, took a diploma of linguist and speaks English, Chinese and Turkish fluently, not to mention Kazakh and Russian. When at the university, he combined the studies with active involvement in social activity, acted as organizer of quite a few concerts and shows, charitable actions and flash-mobs. Five years ago the students' community of Almaty came up with an idea of Nauryz-Jam which was strongly supported by students of Suleyman Demirel University. They soon built a steering committee which later was converted into



an amateur creative team. Raul Kabdrakhmanov became one of its leaders. This is, indeed, a very fascinating occupation to stage own theatrical shows full of joy and action. The guy with famous name was soon absorbed by the role of script writer. Even after he graduated from the university, Raul did not abandon his Jam Family. And this year appeared extremely productive. Finally, the quantity of shows, improvisations and dances he produced transformed into new quality. When he received the topic of the new contest from Almaty, Raul momentarily came up with the plot and the theatrical composition of the new musical. He only needed time to convert it into the script which was written in a burst of inspiration. Raul then sent the script to his friends to know what they think about it. They accepted. The general concept of the story looked very appealing. In order to become a star, one needs to forget his dreams and start to act practically! Together with his friends Raul rehearsed and then appeared on the stage... The jury made of professional actors selected the musical of Jam-Family the best of all among the shows presented by ten university teams, and Raul Kabdrakhmanov was awarded the winner's title.

"This is my favorite hobby," - confessed Raul with a smile. - I love dancing from my childhood. I like to play basketball also. Guess I made my Granny somewhat sad. My hobby does not interfere with my job. Many people find my choice of the job rather strange for a male, but I like it, because every day I meet new people, plus this is a brilliant opportunity to practice foreign languages.

So, please meet Raul Kabdrakhmanov, TCO receptionist, proud laureate of popular contest!

by G. Trukhin.



First aid arrived on time

This happened on April 12, 2015, around 10 a.m. Khaidar Kaliyev, foreman with Bermut Atyrau Firm in charge of construction works in Orken village spotted a crowd of people at one of construction sites. It transpired, one of firm employees fell after he lost conscience. Khaidar did not lose his head and acted immediately. In the first place, he checked the pulse, yet to no avail - no pulse could be sensed. Then Kaliyev decided to apply the skills he had learned previously from the first aid training. He tried resuscitation and closed-chest massage, and it worked. A couple of minutes later the victim's pulse was restored successfully, and the man opened his eyes. By the moment the



first aid crew of TCO Emergency Response arrived on the call by Nurlykhan Zhiengazyev, safety en-

gineer for ISKER Consortium, the person had come to senses. On the very same day, after diagnosed as having cardiovascular problem, the man was evacuated to the Regional Hospital in Atyrau where he was given proper medical care. "Honestly, I don't think I could do it all alone," - commented Khaidar Kaliyev demurely. - Luckily, I was assisted by my colleagues Serik Kuanyshkali, Zhanbolat kuasov, Almas Aidarbekov and Amankos Doschanov. We all attended first aid training, so we were happy to know the skills we were taught appeared handy. Today I talked with him on the phone," - added Kaliyev. - The man feels OK." The management team of Isker-Bonatti Company held a special meeting to recognize its brave men, giving to them valuable prizes.

By Galiya Essenova



Irina Alexandrova



CHESM Forum 2015

**Spectatum veniunt, veniunt spectentur ut ipsae
(Latin for 'opportunity to watch others
and demonstrate own virtues')**



By Diana MURZATAYEVA,
TCO LP Tech Data Analyst,
HES department

Yet back in the ancient times, the residents of Rome seeking to conclude trade agreements and to also brag their oratorical talent gathered in the downtown market place referred as forum. There anyone could address the mob from an improvised pulpit, feel himself part of nobility and proud citizen of great empire.

Those times are history, although the meaning of the word 'forum' has not changed a bit. Instead, it only assumed the contemporary connotation which we can observe in the name of the popular annual event in Atyrau Oblast – the CHESM Forum. Its latest session was held in Tengiz on Tuesday, April 28, 2015. Compared with last year number of attendees, this time it was definitely larger with the

total of 77 contractor organizations represented. TCO FGP pioneering at the forum also claimed place among its permanent participants. This was a gratifying observation that each year more businesses receive access to innovative technologies and adopt TCO's strategic vision with regard of safety.

The general impression was of a larger attendance, an exciting event full of interesting happenings. The CHESM Forum 2015 not only united people showing interest in safety, but gathered a lot of managers and lead specialists of multiple large companies. The forum served a brilliant opportunity for them to not only share achievements in the area of safety tools production, but also exchange expertise and establish business relations. Everyone benefitted from the forum through discovering valuable things.

As is well known, one of TCO's chief strategic objectives is to be the leader in operational safety and protection of environment. This time the focus of the discussion at the forum was on prevention of work-related mortalities. No doubt, TCO spends a lot of effort and attention on safety and incident prevention at every workplace, and also the good health of employees has always been treated as higher priority than financial performance which serves one of the main principles of company strategy.

The CHESM Forum 2015 started with a ceremony held in the cinema hall of Shanyrak Rotational Village. After the opening ceremony all attendees moved to Module #3 which hosted an exhibit of stands and showcases appreciated by the

participants and guests. On a special ground domestic and foreign companies introduced to the audience the most recent models of safety tools and equipment. Each stand was dedicated to a certain subject and reflected effective approach to the topic of the forum. All presenters demonstrated superior communicative skills and excellent knowledge of their product, as well as good advertisement talent.

In addition to the above, as part of the annual CHESM Forum a raffle was held with all participants invited. The results of it were announced the next day. Thirty lucky fellows became the winners of memorial prizes.

The finale of the forum was held once again in the cinema hall where TCO general director recognized best contractors by bestowing special titles. The happy laureates appreciated their certificates of The Best Stable Injury and Incident-free performance, Three years without DAFW, For excellent driving safety, Stable low record of injuries and incidents and more. The audience gave a hearty applause to the happy winners, and all participants had a very positive impression of the event.

Many thanks to the organizers for the wonderful event. This was once again a brilliant opportunity to make new business contacts and enhance the established relations. As we say, it was good chance to see and to show. Indeed, there were many things worth seeing. We believe strongly in happy future and that all new contacts will evolve into productive and mutually beneficial cooperation.



Ted Etchison, General Manager, Operations



Welcome to the Kazakh Language Club!

The exciting and educational journey to the world of Kazakh language and culture took place in TCO headquarters in Atyrau on April 2. Trainers of TCO Language Link training center in cooperation with the language training group of TCO Organizational Opportunities Development prepared and organized the inaugural session of the Kazakh Language Club dedicated to Nauryz festival.

We need to specially recognize the unique format of the initiative which allowed for involving all those

willing to participate, both native speakers and company expatriates, no matter what the level of language skills. The members of the Club represented two public associations – Kazak auly and Agylyshan auly which competed in the exciting Baige quiz. In the course of the game the contenders were given a number of questions on Nauryz tradition, various Kazakh national games and on Kazakh hospitality. The participants remembered good words of blessings and wishes the Kazakhs say in connection with

Nauryz. They also took active part in all challenges, contests and quiz games, demonstrating strong enthusiasm, the spirit of competition and gumption. The activity created a general atmosphere of ease and joy. Everyone who took part in the competitions was happy and benefitted through gaining valuable new knowledge and understanding the value of live communication which is truly precious at all times, no matter what language is spoken, because it helps the people of different cultures get closer.



Additionally, each member of the Club has the privilege to access all educational materials and handouts made available by the Club through entering the dedicated web page. We would like to note once again

everybody willing to join is welcome to the Kazakh Language Club. We shall be happy to see you among our members.

By Gaukhar Kazetova,
Kazakh language trainer.

RESIDENTS OF KULSARY CONTRIBUTED TO THE GLOBAL CITIZEN 2015 EARTH DAY



KULSARY, Kazakhstan – on Saturday, April 18 a volunteer activity aka subbotnik in Kazakhstan, held as part of Earth Day world-wide initiative, took place in the area of the recently built Dostyk Park of Kulsary, also accompanied by urban green planting management master class, particularly addressing challenges of local environment.

The activity held as part of Orleu Project gathered the total of 60 people, including local residents, students of school #16 and school #18, officials of the city administration, representatives of Eurasia for Central Asia (EFCA) Foundation, plus the staff of local service company in charge of park management. The participants appreciated the idea of combining a traditional subbotnik volunteer activity with a valuable master class. Thus, for the first time, horticultural specialists Bolat Musabekov and Berik Umirov shared on the subject and demonstrated how to best plant the trees and bushes, and further take a proper care of the greenery. Our invited specialists are proud of their 8-year record of successful business in Atyrau and Kulsary, so they were eager to share their professional secrets with local residents. The good music and socializing opportunity for good neighbors and home-folks added to the precious knowledge and practical job completed in the field. Honestly speaking, the amount of work done was impressive, because the 750

trees planted in the park area need quite a bit of care. The participants of the event loosened and mulched the soil, introduced fertilizers and applied lime solution on trees. By the way, the mulch they used is a product made by recycling the used wooden pallets which are not disposed anymore, but collected and recycled locally, thus producing a valuable material which helps conserve the precious water and protect the roots from extremes in weather.

Said Aigul Titova, project manager, "they say people particularly cherish what their hands took care of, therefore we are hoping our fellow residents who supported today's initiative will take a good care of the green areas, those small oases in town which will most certainly become their favorite places." On that same day the students of School #18 held a flash mob dedicated to the Earth Day, making a sort of a theatrical performance on the subject of support of environmental protection. They also briefed the audience on the history of Earth Day and the ways it is observed world-wide.

The Zhansaya and Dostyk Parks were made in place of former waste land with financial support from Tengizchevroil and as a response to many requests by local residents. During the initial two years, the parks were responsibility of specialists contracted by TCO, who took care of the saplings, helping

them to take root and start to grow. Starting from 2015, the Akimate assumed the duty to take care of the areas and plants.

The Orleu Project of EFCA is designed to improve the common places in Kulsary. The project is chiefly supported by the residents of Micro-regions #1 and #5, also assisted by the students of School #16 and School #18. As part of the project activities training sessions and flash mobs are being organized focusing environmental subjects. Also grants are given to the owners of best ideas for beautification of park areas, back yards and school territories.

The verdurization initiative in Kulsary has been often supported by local residents during various public opinion surveys as an important avenue of environmental protection. The most recent polling showed 67 percent of Kulsary residents visit the parks with children on a regular basis. Those willing to totally or partially contribute to the parks management through joining subbotniks, city activities or meetings totaled 30 and 40 percent, respectively. Below are the ideas recommended by the residents as support of the parks areas with percent of votes.

- Install a plaque with the Rules of Conduct for visitors – 78%
- Install a speed pump on the road to the park area (Dostyk) – 74%
- Make flower beds – 74%
- Supply info plaques describing tree species – 69%
- Organize activities for children – 54%
- Host city special events in parks – 47%
- Arrange a pedestrian crossing on the access road – 38%
- Install fences for trees – 37%
- Install a traffic light on the crossing next to the Dostyk park – 28%
- Provide catering outlets – 11%

For all participants of the Earth Day activities this particular day was a chance to enjoy unity with Mother Nature and an opportunity to support environmental protection. We are hoping the people have advanced one step closer to understanding the importance to contribute personally to this noble cause, by starting to take care of own back yard or city park.

The results of Nauryz Meiramy celebration

Nauryz celebration was held in Atyrau and Tengiz during three days starting from March 20, 2015.

Human Resources thanks all supervisors and employees of TCO departments and contractor companies for support and assistance in celebrating Nauryz Meiramy holiday.

On March 20, the theatrical performance "Welcome Nauryz!" was presented in the lobby of TCO HQ in Atyrau for Atyrau-based employees. The national traditions, customs and culture of Kazakhstan were shown accompanied with the national music. Also the national Kazakh Yurt was installed and Nauryz Kozhe, Boursaks and other staples of national Kazakh cuisine were served.

The day of March 22 saw a mass celebration of Nauryz Meiramy in Tengiz, held in the square located between Shanyrak and TCOV. Despite rather rough weather conditions, on the eve of the event we managed to prepare the scene and square to celebrate Nauryz in a short period of time. There were the total of 15 yurts installed. More than 3000 people took part in Nauryz festivities.

At the opening ceremony holiday greetings came from Izbassov Maksym Shafikhuly, Akim of Zhylyoi region, Tim Miller, General Director of TCO, Sandibek Shalabayev speaking on behalf of TCO Employees Association and Rasymkhan Matenov, Tengiz Oil and Gas Complex Trade Union Chairman. All of them offered their warmest greetings for Nauryz, the ancient tradition celebrating the vernal equinox and extended wishes of happiness and wealth to Tengiz employees and guests. Akim of the region noted the importance of values like unity of the nation, solidarity and mutual understanding.

In honor of Nauryz celebration the theatrical performance of Kazakh traditions and customs was shown in front of the yurts of TCO departments and contractors. The concert was given by musicians of Atyrau Philharmonic named after N.Zhantorin; national Kazakh treats and sports events were organized in yurts and in the square. As an annual tradition the contests of the Best Yurt and Best National Dish were also held.



The participants of the contests and competitions were awarded with prizes.

Below are the results of contests and sports competitions as announced by the

JURY:

Best Yurt Contest

1st place – SGP/SGI, 2nd place – Ariadne Company, 3d place – SGE and EnergyResources.

National Dish Contest

1st place – Ariadne Company, 2nd place – TCO KTL, 3d place – Power Systems and Intertasco Company

Similarly, all less lucky participants received their certificates of attendance.

ARM-WRESTLING

Weight category below 75 kg: **1st place** – Vali Faradzhev, Ariadne Company; **2nd place** – Askhat Lukpanov, Denholm Zholdas; **3d place** – Kanat Daribayev, Ariadne Company

Weight category:

above 75 kg: **1st place** – SergeKodzassov i, Ariadne Company; **2nd place** – Dmitriy Borissov, ERT, TCO; **3d place** – Asylbek Taishiyev, ESS

Tug-of-war:

1st place: KazTransOil LLP; **2nd place:** TCO Field; **3d place:** ERT TCO

Weight lifting:

Weight group below 75 kg: **1st place** – Umirbek Ishanov, Yersai LLP; **2nd place** – Kanybek Orynbayev, Almas-Safer LLP; **3d place:** Rakhimbek Alminov, Ariadne Company
Weight above 75 kg: **1st place** – Nikolai Bibich, KTL TCO; **2nd place** – Nurlan Shamuratov, Ariadne Company; **3d place** – Artem Shukin, Bolashak Atyrau
Active participants were awarded with certificates for demonstrating a strong will to win.

TCO Human Resources

BBS Program in Action

Always stand by your colleague's side

TCO BBS Team continues publishing the stories of the "The most educating BBS observation with SWA used" contest. As a result of vote, Askar Yessengeldin, Field Planning Consultant's story was awarded the third prize of the contest by the jury.

A grey autumn sky covered with dark clouds was hanging over Tengiz steppe. By the Plant flares smoke you could say that a season of the East wind, the coldest and the strongest in this land, has arrived. The nature was preparing for the winter, and the curious lizards were no longer running across the road in front of the vehicles. The wail of the East wind was interrupted by the noise of the Plant that was visible through the morning mist.

That day, I and my workmate Yerbol had to perform a routine to prepare a line for repairs. It was the first job that we were to do on our own. We were still newcomers then, and just started to learn and become familiar with an Oil and Gas Operator's job. I would like to note here, that it is very nice to perform your duties when your company cares about you by putting the occupational safety and health questions in the first

place. We started to prepare for that work early in the morning, checked all PPEs and obtained the required permits. We got some guidance from the Senior Operator and hit the road. On our way, we discussed our actions jointly with the representatives of the contractor, who had to take part in those works, discussed all the hazards that we could face when performing the job. The friendly Field team is known for a well-functioning teamwork that helps cope successfully with the tasks, while also doing them safely.

So, the low autumn sun with its orange sunrays was reflected on the tools and equipment cleaned well in advance when we had fun together loading the tools we needed onto special vehicles. A slight frost created a special working mood. Some more driving along the steppes and here we go – we reached the work site. Works to prepare the line for repairs require

special skills and knowledge of the production process. That day, our BBS knowledge helped us to keep a close eye on our co-workers to help a colleague to avoid possible injuries by watching each other's operations. Well, after all, we had to deal with pinch points when working with tools and direct the heavy equipment movement within the facility area. We paid particular attention to the high pressure and high content of hydrogen-sulfide hazards. Sicim contractors, who worked together with us, showed good knowledge as well. These guys spend most of their time working in the Field and know the value of safety better than somebody else.

Well-coordinated performance enabled us to complete most of the job by the noontime. A little tired and with dirty coveralls on, we were happy anyway, because we learned how to carry out such difficult tasks unassisted. And then my workmate reported on the radio we were ready to pull out the pig. Everybody started to prepare tools when suddenly a white pickup appeared on the horizon. We wondered who that might be, as all operators had left on their individual assignments. A little closer the car blinked with its



headlights and gave a beep. This was Esenkul Abubakirov, our colleague and experienced operator. He came up to us in a hurry and explained, catching his breath: - I heard on the radio about your work and, knowing that the task is very complicated, I decided to come here purposely to watch you and support. You are inexperienced so far and can miss a lot of important things. - Thank you, - we agreed and started our job. Soon after that we heard a very categorical "Stop!". - Guys, I stop your work, - said the experienced operator using his SWA. - I knew in advance you would make this very mistake, I mean that someone would stand in front of the Pig Receiver door dur-

ing this work. But it is dangerous! It could result in a serious injury. That is what I thought when I heard you on the radio. That is why I came to do observation.

Thus, an experienced operator helped us to complete our work safely. There was a time when I just started to work as an operator when I heard about BBS. That time, looking at the presentation slides I wondered whether that program really existed in the Production area. Can BBS rules be actually used there, in the line of fire? That very day I saw myself the evidence how BBS philosophy works in every corner of Tengiz and is implemented through care and support, and mutual assistance.

By Askar Yessengeldin, Field Planning Consultant.

About our health

DRY EYE SYNDROME: typical causes, diagnosing and treatment

Dry eye is a problem associated with a condition in which there are insufficient tears to lubricate and nourish the eye. Tears are necessary for maintaining the health of the front surface of the eye and for providing clear vision. People with dry eyes either do not produce enough tears or have a poor quality of tears. The individual suffering from dry eye experiences a significant discomfort at normal load of vision.

Nowadays, the ophthalmologists can identify correctly most factors causing dry eye syndrome. In any event when you are diagnosed as having a dry eye problem you are strongly recommended to visit a qualified medical professional.

as if you have a foreign matter in the eye. Patients often complain of irritation and reddening eyes, impaired vision which is getting back to normal after blinking. Simultaneously patients may experience discomfort when attempting to focus on bright objects, a blurred vision normally occurring after prolonged watching of TV, use of PC or reading. In order to verify and complete

the diagnosis, it is necessary to conduct a thorough and comprehensive examination of the patient which in some cases requires consultation from allied specialists, like ENT specialist, dentist, rheumatologist and endocrinologist.

HOW TO TREAT DRY EYES? Medical professionals recommend to blink more often in order to

better moisturize the eyelids. Mild cases of dry eyes can often be managed using over-the-counter artificial tear solutions. These can be used as often as needed to supplement natural tear production. Preservative-free artificial tear solutions are recommended because they contain fewer additives that could further irritate the eyes, help effectively moisturize the surface of the eye, stimulate function of the tear-gland and prevent fast evaporation of liquid. At TCO Clinic we prescribe lubricant eye drops of the following brands : Refresh@Optive, Visin, Systane, Corneregel, Oftagel and Natural Tear.

G. Temirkhanova, ophthalmologist.

PRESENTLY, THE EXCESSIVE DRYNESS OF THE EYELID CAN BE THE RESULT OF THE FOLLOWING FACTORS:

1. Random or prolonged use of medications can reduce the amount of tears produced in the eyes.
2. Air-conditioning systems and air-heaters affect tear volume by increasing tear evaporation resulting in dry eye symptoms.
3. Abuse of industrial hygiene rules – staring at computer monitor for hours, just like uncontrolled watching TV provoke excessive stress of eye muscles and resulting from failure to blink regularly.
4. Industrial mist, cigarette

smoke and volatile chemical compounds affect the proper production and drainage of tears.

5. Long term use of contact lenses can be a factor in the development of dry eyes.
6. Changed dietary pattern resulting in insufficient consumption of lipids can deteriorate the quality of tear liquid.
7. Dry eye is a part of the natural aging process resulting in degradation of tear-glands function.

DRY EYE SYMPTOMS

One or more of the above factors produce the distinctive burning and constant irritation in the eyes,



The expanse we refer as life

Memories often arrive all of a sudden, even when you are at your regular work place. Just one evanescent happening, sometimes an occasional word and, there you go, your heart and mind are visited by scenes from the past, oftentimes very distinctive and overwhelming. "This must be because I am growing old," - reflected Oleg laughing, a tall man with a touch of stodgy, a long-liver in Tengiz and "aboriginal" of the plant team who looks noble with his grey-haired moustache perfectly matching the white hardhat having TCO logo on it.

Yet the most often and exciting are memories about the startup of Tengiz gas-processing plant which occurred on April 6, 1991. Oleg Kateshov, shift engineer at the Central Control Room was on his night shift when he and his team mates received Tengiz first oil and dispatched it to KTL-1. As far as the man's career in Tengiz, it began yet from March 13, 1988 which is 27 years from now. At that time the newly formed NGDU TengizNeft



plant, including pipe insulation, plus building a miles-long cobweb of cables – this job was done around the clock, the weather extremes notwithstanding. Therefore, the intelligent computer specialists shared in full the hardships of the pioneers – the pipeliners, the builders and field workers. That unforgettable experience served

by special envoy of Ministry of Oil Industry of FSU Vladimir Nadein. He personally signed the act of completion and acceptance after the guys of automatic controls team demonstrated to him in the Pink Palace the monitors displaying all data collected from the monitoring stations was properly gathered, processed and recorded. But the above are all memories of the past, the history which comes a very opportune reminder amongst anniversary activities held each April

of the plant. Perhaps, not the biggest, yet very prominent authority. It is sufficient to mention, he has six coordinators – direct reports sitting at various locations at the plant and field, and at off-plot facilities. What happens, this group is essentially in charge of all planning of jobs, also building the schedule for step-by-step implementation. Whereas the staff in charge of plant strategy plan per week, per month and per year strategy, Oleg Kateshov's group does the count per hours and minutes., thus they have a live picture of what is happening in Tengiz. Actually, they do so, because they draw this picture themselves. Speaking of drawing pictures, Oleg's spouse Khalifa is a professional artist, member of Artists' Union and Designers' Union of Kazakhstan. Incidentally, she was the first to bring in Atyrau the diligent technique of batik, the technique of wax-resist dyeing applied to whole cloth, normally silk., presently extremely popular around the globe. Khalifa is an instructor at Small Academy of Arts in Atyrau. Presently, she has twenty gifted trainees in her class, who learn the basics of applied art. The year 2009 saw a Muse of the Steppe personal exhibition of Khalifa Kateshovs, the artist. The event's name referred to the boundless expanse of the Kazakh steppe which also hoards a location where the beautiful upstream facility stands, the operation that has become her husband's destiny. "I feel easy with my man," – said Khalifa, joking. – But he, probably does not feel the same way with me."

"Oh yeah, people of arts are very special, indeed," – responded Oleg, supporting the joke. – Living with an artist creates many problems. Yet to meet those challenges one needs quite a bit of creativity."

"Let me tell you, my man is also a character, being Water Bearer by horoscope. But my sign is Virgin, and individuals of this sign are marked by particular patience and wisdom..."

For a second Khalifa mused biting on the bit of her paintbrush which must be a professional

habit. I guess she might be overwhelmed by occasional memories just as well. Then she turned to her pupils sitting in her studio, looking at the young ones who are just embarking on their life-long journey. She instinctively made a correction on one canvas, because the painting must be exact to carry the author's thought. Their own picture of life she considers ideal and complete. Entwined in a colorful harmony on it are the two great and different concepts – of Industry and Creative Work. While Oleg dedicated himself to the plant and his colleagues, Khalifa lives the life of artist and dedicates herself to her trainees. They have two grown-up sons. Nurbolat is twenty and Alibek is nineteen. God knows to what trade they will dedicate their lives in the future.

High above this expanse known as Life is the boundless sky of the Kazakh Steppe...

By Georgy Trukhin.
Photos supplied by the author and sourced from O. Kashin's family archives.



production association was in the process of staffing, hiring specialists for the future gas-processing plant, under construction at the moment. Oleg, then in the position of data processing group supervisor for Guryev exploration company, received an invitation together with his colleagues. He accepted, because the scale of the new frontier, the prospects of the huge upstream facility were exciting, let alone every new job is an adventure. Of course, the experience he had learnt over a decade with the exploration company was of strong value, only the daily routine was becoming somewhat boring and definitely lacked the spark of novelty and inspiration. Plus the pay level offered at NGDU was higher which was an important consideration in the perestroika's time of turmoil. Eventually, in March of 1988 Oleg Kateshov abandoned his office in Guryev downtown and headed for a remote location in the heart of Tengiz steppe, accepting a position of Automatic Control System engineer with TengizNeft.

"Our team was building fast," – reminisced Oleg. – The guys were all strong professionals. Among my first acquaintances were Yuriy Makarov and Marat Baibussinov. We had two crews of B2Bs, the first staffed by oilmen from Almatyevsk, Tatarstan, and the second representing industry specialists from Kazakhstan. I will remember their names with pleasure – Yerbolat Akhmetov, Bek-

bolat Kappasov, Samat Yessenov, Vadim Belunin, Oleg Ovchinnikov and Nasikhat Dosmukhambetov. We soon received the first shipment of equipment for the new automatic control system, including SM-1420 electronic brains, the powerful machines made in USSR we installed and used at Field Control Room. The Control Room building was yet under construction at the moment, and the decision was made to give it a a stunning new look by lining with shell rock tiles. This gave it a stylish and great new look, and this is how the Pink Palace emerged in Tengiz, the building pulled down a couple of years ago after it came out of use. We had spent quite some time working there. The Pink Palace had two large areas inside, one accommodating the control room operators' staff. During our shift, working at the control room desks were such prominent industry professionals as Maksut Kerikov and Gabit Juma-gulov. The second area accommodated the TengizNeft dispatchers, who served the link between the plant and the field facilities. Meiram Shldenov, one of those dispatchers still works for TCO. However, yet prior to starting up the plant, the staff of future automatic controls literally tested the taste of Tengiz grit. The installation, startup and adjustment of automatic controls were going along with supervision for construction process. The job of laying pipelines from the wells to the

perfect hardening for their characters. But this was not all challenges they had to meet. Six months before the plant startup, thirty wagons full of equipment for monitoring stations arrived in Tengiz, designed to carry out continuous monitoring of environment within the license area. The monitoring stations were to be installed inside the KTL area, plus along the license area perimeter. This was a critical component of environmental protection, essential for seeking a permit for gas-processing plant startup. To give you the sense of how important that was, I will only mention the installation and adjustment of monitoring stations and automatic controls was supervised

in Tengiz. In the meantime, what is happening today with Oleg Kateshov? All is going well, as he is busy attending to his daily routine, takes care of his family and prepares for his elder son's wedding... Currently Oleg Kateshov's job title is supervisor of TCO General Maintenance job scheduling group. A pretty sophisticated job title used according to Chevron standards. In other words, Oleg is a big boss at

