Society of Petroleum Engineers

The Society for Professionals in Energy

SPE Russian Petroleum Technology Conference

26–29 October 2020 | Online

go.spe.org/20rptc-preview-en

Conference Programme

Table of Contents

Dear Colleague,

Historically, the oil and gas industry has experienced many drastic up and downs, but this year we realised that we are living in an era when old methods cannot cope with new challenges and they are not able to maintain the further dynamic development of the sector. Even taking into consideration all the risks and difficulties of innovations implementation, it is obvious that the oil and gas industry is in dire need of advanced breakthrough technologies. This is the only tool to stay the course and to bring production efficiency to a qualitatively new level.

Despite the extremely uncertain environment, we consider the current situation not as a barrier, but as an incentive for further development and an opportunity to search for new methods and discoveries. We can surmount these obstacles only if we remain united, continue our cooperation and share our experience, focusing on joining our efforts in the innovative technologies development and implementation.

Therefore, events such as the SPE Russian Petroleum Technology Conference are so important. According to the international oil and gas community, this conference remains one of the most respectable SPE events in Russia. This event gives each delegate a platform to discuss the latest developments in the industry, share real experience in technology implementation in a noncommercial and noncompetitive environment . This year the SPE Russian Petroleum Technology Conference for the first time will be held in virtual format, 26 – 29 October 2020.

Detailed information about the conference programme is available within this brochure.

Mikhail Samoylov,
RN – Peer Review and Technical Development Center

Alexey Sobolev,
Geonaft

Alexey Pustovskikh,
Gazpromneft STC

About the Conference

The largest SPE event in the region and the best oil and gas conference in Russia

The conference has a special status in the oil and gas community and is known as one of the most reputable events within the sector. All delegates highly appreciate the technical content of the programme, its scientific and practical value, and highly recommend visiting to their colleagues.

The extensive conference programme covers the most relevant industry topics, including hard-to-recover-reserves, hydraulic fracturing, well construction, EOR, geology, digitalisation and many more.

You can also take part in round tables, attend a Startup Competition, listen to lectures from renowned experts, and take part in the SPE Geosteering Cup.

Why participate

- **Expand** your technical knowledge with access to 200+ publications representing innovative knowledge and experience.
- **Discover** the latest technologies and developments to improve the productivity of your company.
- **Share** knowledge and experience with experts and industry leaders who face similar challenges.
- **Discuss** the most relevant industry topics with your colleagues from around the world.

> "For professionals, it makes a great sense to participate in this conference, because here they meet with the elite of our industry and have the opportunity to share their ideas at the conference and gain technical knowledge."
>
> Sergey Kolbikov, NOVATEK.

Registration opens in July. Visit go.spe.org/20rptc-preview-en to learn more.

Disciplines

- Multi-disciplinary
- Health, Safety, Environment, and Sustainability
- Drilling
- Completions
- Management and Information
- Projects Facilities and Construction
- Production and Operations
- Reservoir Description and Dynamics

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Kevin Wilson, **LUKOIL**

Society of Petroleum Engineers

About the Society of Petroleum Engineers

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose more than 153,000 members in 143 countries are engaged in oil and gas exploration and production. SPE is a key resource for technical knowledge providing publications, events, training courses, and online resources at **www.spe.org.**

Conference Statistics

Companies*

Operators	40%
Service companies	33%
Universities, R&D and IT	27%

Popular Disciplines*

Well Construction	15%
Hydraulic Fracturing	10%
Enhanced Oil Recovery	10%
Oilfield Development	10%
Modelling	7%
Hard-to-Recover Reserves	7%
Well and Formation Testing	6%
Digital Technologies	6%

Job Titles**

Engineer	35%
Geologist / Geophysicist	16%
Student	10%
R&D	9%
Executive	8%

84%

of attendees highly rated technical programme

95%

of attendees would recommend this conference to colleagues

85%

of attendees highly rated networking experience at the conference

* - based on 2019 conference statistics. ** - based on 2018 conference statistics.

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Alexey Zhivodkov, **Total**

Technical Categories

1. Hard-to-Recover Reserves
2. Enhanced Oil Recovery
3. Well Construction – Drilling and Completion
4. Oil and Gas Production - Equipment and Technologies. Production Gathering and Processing
5. Oilfield Equipment. Development, Manufacturing and Best Practices
6. Well and Formation Testing. Formation Fluids Sampling and Evaluation
7. Oilfield Development
8. Digital Technologies for Oil and Gas Industry
9. Static, Dynamic and Integrated Modelling
10. Geomechanics
11. Conceptual Engineering and Re-Engineering
12. Gas, Gas Condensate and Oil Gas Condensate Field Development
13. Core Analysis
14. Field Geology and Geophysics
15. Health, Safety and Environment
16. Well Logging
17. Production Stimulation and Hydraulic Fracturing

Round Tables

Hard-to-Recover Reserves

Every year we face a steady deterioration in the structure of natural hydrocarbon reserves, namely, the share of so-called hard-to-recover reserves (HRR) which is rapidly growing. According to the common standards, the HRR category includes those reserves that can be developed only using non-traditional methods and technologies and therefore require increased investment and operating costs.

The following issues will be discussed within the framework during this round table:

- Types of oil and gas HRR. Correlation of the concepts of HRR and unconventional hydrocarbons.
- The role of HRR in oil and gas production while low oil prices.
- Existing problems of geological study of HRR.
- The effectiveness of existing technologies for developing HRR deposits of oil and gas.
- Innovations for the development of HRR deposits.
- The necessary activities to stimulate hydrocarbon production from HRR deposits.

Confirmed and invited speakers: Kirill Strizhnev, **the Bazhen Technology Centre**; Alexey Cheremisin, **Skoltech**; **LUKOIL**; **Gazpromneft STC**.

Digital Transformation

Each cycle of the industry digitalisation process raises new questions and challenges. While some digital technology trends are switching to the “plateau of productivity” phase, other areas demonstrate the “peak of inflated expectations” or even fall to the “frustration hole”.

The digital world offers new opportunities, which were not obvious several years ago. At the same time, we face that some old illusions are shattered, the deadlines and plans of their implementation are being adjusted.

This round table will address issues of the current state of the most prospective areas of digital transformation from the standpoint of successes, problems, challenges and prospects. Experts from leading companies will share their experience and highlight the digital transformation pitfalls and lessons learned, as well as their vision to the future perspectives of the current digital transformation cycle in the oil and gas industry.

Round Table topics include:

- Is a digital research a blind alley job?
- “Humanless” production and IoT
- Cloud technologies for subsoil tasks
- Digital twins of the oil and gas wonderland

Confirmed and invited speakers: Alexander Sudakov, **Gazprom Neft**; Konstantin Chaus, **Sensia**; Mikhail Popov, **Halliburton**; Dmitry Tatarinov, **Geosplit**; **RN-BashNIPIneft**.

Round Tables

Decarbonisation of the Oil and Gas Industry: Meeting the Challenges

In 2019, total greenhouse gas emissions in CO_2 equivalent amounted to 33 billion tons, and the share of oil and gas industry was 13% or 4.4 billion tons. This issue is especially topical for our country as Russia is ranked the fourth place in the world in terms of the greenhouse gas emissions among all the countries.

According to the global oil and gas community, the influence of greenhouse gas emissions on the global climate change is one of the key issues of the industry, which requires public discussions at the companies' and governments' levels.

Participants will discuss the following topics:

- Decarbonisation strategies in the companies
- Plans and case studies
- The most effective solutions to meet current challenges

Invited speakers: **BP**, **Equinor**, **NOVATEK**.

Formation Damage Control

The speakers at this Round Table will provide their views about specific well operations and reservoir drill-in fluids design practices that impact well performance. Discussions will include areas where our industry could improve current practices as well as areas where innovations are needed.

Theory and principles are reinforced by the extensive use of real field examples from different fields. The Round Table aims to demystify the subject of formation damage and promote a formation damage awareness culture, encouraging participants to challenge convention and think about the implications of damage throughout a field or well life cycle – from drilling to production.

Speakers: Petr Ryabtsev, **AKROS**; Anton Khomutov, **Gazpromneft STC**; Alexander Voloshin, **RN-BashNIPIneft**; Viktor Gusakov, **Bashneft-Petrotest**.

Ask the Expert Hour

Digital Rock Analysis for Enhanced Oil Recovery Solutions

Expert: Oleg Dinariev, **Schlumberger**

Oleg Dinariev Ph.D., Scientific Advisor, Schlumberger Moscow Research who has authored over 250 published papers will share his expert insight on Digital Rock Analysis for Enhanced Oil Recovery Solutions.

The development of complex formations with hard-to-recover reserves requires implementation of different enhanced oil recovery (EOR) techniques with yet insufficient field implementation experience. Moreover, EOR solutions must be based on reliable efficiency forecasts, which require detailed understanding of relevant pore-scale physical and chemical phenomena taking place in the reservoir. Laboratory core studies of EOR have well-known restrictions related to cost, time, reproducibility and optimisation. We propose the digital rock analysis for EOR justification.

Correlation Between Hydraulic Fracturing and Geomechanics: Practical Aspects

Experts: Mikhail Samoylov, **Rosneft Peer Review and Technical Development Center**; Valery Pavlov, **Tyumen Petroleum Research Center**

Mikhail Samoylov, RN- Peer Review and Technical Development Center, and Valery Pavlov, Tyumen Petroleum Research Center, are team leaders and experts in hydraulic fracturing and geomechanics, authors of numerous articles, famous lecturers and SPE award-winning professionals. They will share their experience in supporting joint projects in hydraulic fracturing and geomechanics, multi-functional team interactions and solving problems to increase hydraulic fracturing efficiency.

The focus of the Russian oil and gas industry is inevitably shifting to hard-to-recover reserves. The *term hard-to-recover reserves* includes both unconventional reserves and classic oil and gas reserves, along with the development of which is complicated by geological and technological factors. Economic efficiency of the reservoir development is based on complex technical solutions with wide-spread methods: horizontal and multilateral well construction and multi-stage hydraulic fracturing. Drilling, well completion and hydraulic fracturing specialists are the “main users” of geomechanical data and “initiators” of geomechanical investigations. Therefore, formal and informal workgroups are organised to cover multiple projects.

The authors will present their vision on common approaches to solving joint problems, team workflow in and illustrate the results of both previously published articles and unpublished materials.

Ask the Expert Hour

Russian Oil and Gas Industry Technology Priorities

Expert: Oleg Zhdaneev, **Ministry of Energy of Russian Federation**

Oleg Zhdaneev is head of the technology development centre of Russian Energy Agency of Ministry of Energy of Russian Federation, PhD. For more than 15 years, Dr. Zhdaneev worked at Schlumberger y as the head of manufacturing for Russia and Central Asia region.

Member of the scientific and technical council of Ministry of Industry and Trade of the Russian Federation.

Author of more than 50 publications, 17 patents and participated in 2 oilfield discoveries. A number of logging, drilling and testing tools have been developed under his supervision. The 2017 SPE Russia and Caspian Regional Management and Information Award Winner.

The technology priorities defined in the Russian Energy strategy until 2035 is going to be at the centre of this discussion. We will discuss the need of the long term technology policy for the oil and gas sector, the demand to the related industries (metallurgy, electronics and chemistry), opportunities for the international technical cooperation (special focus on BRICS) and potential benefits from cooperation with the defense industry.

Special Events

Regional Student Paper Contest

The 2021 Student Paper Contest traditionally takes place alongside the SPE Russian Petroleum Technology Conference.

The contest has three divisions:

- Undergraduate Division
- Postgraduate Division: Masters and Diploma projects
- Candidates

This year winners are invited to attend the International SPE Student Paper Contest to be held at the 2021 SPE Annual Technical Conference and Exhibition.

Plenary Session

Monday, 26 October

Innovations: from Ideas to Best Practices

Moderators: Oleg Dubnov, **Skoltech**; Sergey Nikitin, **Nedra**

Opening presentation: Alexey Vashkevich, **Gazprom Neft**

Globally, thousands of new technologies for the oil and gas industry are generated, registered and patented each year. This highlights that there is no '*lack of new ideas*' within our world, but a drive for development and innovation.

To support industry startups, the Government creates venture funds and implements special national programmes. However, at the same time, a very small number of these ideas and inventions are being introduced into oil and gas production practices. What is the obstacle? Why do '*cemeteries*' of ideas appear?

Modern business planning is aimed at a quick financial result. The applied risk assessment systems do not promote the implementation of the new complex untested methods, solutions, and technologies. It could be suggested that this is the reason why these ideas are not considered at the examination stage.

However, in the current situation when reserves structure is deteriorating and we have to use complex geological objects, it is impossible to achieve acceptable financial results without introduction of new technologies, methods and approaches in oil and gas industry processes.

This plenary session aims to gain insight and share opinions on selection the criteria companies use when introducing innovations. Participants will discuss how innovations could respond to the upcoming challenges in the future and how to create a common *Bank of Ideas and Technologies* beyond boundaries and politics, which will be based on the free exchange of information under the umbrella of the Society of Petroleum Engineers.

During this session, experts will also share their companies' best practices in innovations introduction, internal selection processes and how to scale successful technologies. Also, participants will be able to discuss how R&D centers interact with production, support systems for inventors and innovators and the current platforms available for technology transfer.

Igor Bogachev, **ZYFRA**; Lawrence Stein, **Skoltech**; Mustafa AlAli, **Aramco Innovations LLC**, **Moscow**; Artem Karapetov, **Schlumberger**; Igor Shpurov, **State Committee on Reserves**; leaders and experts of Equinor will take part in the discussion.

Technical Programme

Technical Session Hard-to-Recover Reserves

Paper #	Presentation
201809	**Prospects for the Oil and Gas Potential of the Khadum Shale Deposits in the Eastern Ciscaucasia** V. Kalabin, LUKOIL-Engineering
201810	**Summary of Five-Year CSS Pilot for Carbonate Deposits of Natural Bitumen at Boca de Jaruco Field in Cuba** A. Osipov, VNIIneft; O. Petrashov, T. Azimov, A. Solovyev, Zarubezhneft
201811	**Multivariate Optimisation of the Development System for Low-Permeability Reservoirs of Oil Fields of the Achimov and Tyumen Formations** A. Fedorov, I. Dilmukhametov, A. Povalyaev, M. Antonov, RN-BashNIPIneft; A. Sergeychev, Rosneft
201812	**The Results of Pilot and Industrial Application of Thermal-Gas-Chemical Well Treatment with Binary Mixtures and Development of Mathematical Models for Reservoir Processes in Source Oil Rock** A. Lischuk, HMS Group; M. Kravchenko, N. Dieva, Gubkin Russian State University of Oil and Gas; N. Shesternina, Tatneft
201813	**Petroleum Potential Assessment of Bazhenov Organic-Rich Formation Rocks of Western Siberia** M. Topchiy, A. Kalmykov, G. Kalmykov, M. Fomina, D. Ivanova, Lomonosov MSU
201814	**Highly Conductive Layers and Their Role in the Development of Oil Fields of the Bazhen-Abalak Complex** A. Ipatov, E. Zhukovskaya, Gazpromneft STC; D. Lazutkin, The Bazhen Technology Centre
201815	**Evaluation of a Field-Wide Post-Steam In-situ Combustion Performance in a Heavy Oil Reservoir in China** F. Zhao, C. Xi, X. Zhang, W. Guan, Yo. Jiang, H. Wang, Research Institute of Petroleum Exploration & Development, PetroChina Co. Ltd; X. Shi, F. Yang, H. Mu, Xinjiang Oilfield Corporation, PetroChina; T. Babadagli, H. Li, University of Alberta
201816	**Discrete Fracture Network Modelling of Siliceous Reservoir in Terms of a Unique Sakhalin Offshore Oil Field** M. Ganaeva, G. Sun, RN-SakhalinNIPImorneft

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Enhanced Oil Recovery

Paper #	Presentation
201821	**Experimental Studies of the Displacement of High Viscosity Oil by Carbon Dioxide from Carbonate Rocks** S. Kalinin, K. Kosterin, LUKOIL-Engineering PermNIPIneft
201822	**Results of First Polymer Flooding Pilot Project at East-Messoyakhskoe Field** I. Ilyasov, A. Podkorytov, Messoyakhaneftegaz
201823	**Numerical Simulation of Polymer Flooding** E. Mirsayanova, A. Cheremisin, A. Cheremisin, Skolkovo Institute of Science and Technology
201824	**Cyclical Gel-Polymer Flooding Technology is an Effective Method for Increasing Oil Recovery in High-Viscosity Oil Fields** A. Telin, T. Ismagilov, Ufa STC; S. Lobanova, B. Elubaev, N. Talamanov, Zh. Sun, Ch. Wang, Buzachi Operating Ltd.; Zh. Bo, Xinjiang Keli New Technology Development Co., Ltd.
201825	**New Word in Russian Fracturing-Synthetic Polymer-Based Low Viscous Fluids. Gazpromneft-Khantos Case Study** S. Sypchenko, S. Pavlova, M. Paskhalov, D. Valnev, A. Loginov, O. Olennikova, A. Borisenko, S. Vereschagin, E. Danilevich, Schlumberger; R. Uchuev, A. Prutsakov, N. Chebykin, I. Vikhman, Gazpromneft-Khantos
201826	**Practices of Miscible Displacement of Oil by Gas on the Achim Deposit of Yamburg Project** R. Iskhakov, N. Pleshanov, R. Nigmatullin, Gazpromneft STC
201827	**Complex Approach to Designing Physical and Chemical Enhanced Oil Recovery Methods** E. Emelyanov, Yu. Zemtsov, Tyumen Petroleum Research Center
201828	**Designing and Execution of Slim Tube, VIT, Swelling Test Laboratory Experiments to Measure Minimal Miscibility Pressure (MMP) as a Part of WAG Design** V. Zakharenko, A. Kobyashev, S. Zanochuev, E. Gromova, A. Vasilyev, T. Pospelova, Tyumen Petroleum Research Center; K. Fedorov, Tyumen State University; R. Musin, I. Dolgov, Verkhnechonskneftegaz
201829	**The Effects of Crude Oil Gravity and Composition on EOR Surfactants Selection and Performance** A. Alanazi, Z. Kaidar, Saudi Aramco
201830	**EOR Technology: Surfactant-Polymer Injection to Increase Oil Recovery from Carbonate Reservoir of Kharyaga Oilfield** A. Kornilov, VNIIneft; M. Arsamakov, Zarubezhneft-dobycha Kharyaga

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Technical Programme

Paper #	Presentation
201831	**The selection of Effective Solvents is a Universal Modification of Existing Methods for Increasing Oil Recovery and Intensifying Oil Production** A. Litvin, SamaraNIPIneft
201832	**A Field Pilot Test on CO_2 Assisted Steam Flooding in a Steam-Flooded Heavy Oil Reservoir in China** C. Xi, Z. Qi, T. Liu, Yu. Zhang1, D. Shen, X. Li, Yo. Jiang, H. Wang, Research Institute of Petroleum Exploration & Development, PetroChina Co. Ltd; H. Mu, H. Dong, A. Zheng, K. Yu, Xinjiang Oilfield Corporation, PetroChina; H. Li, T. Babadagli, University of Alberta
201833	**Analytical Prediction of Phase Behavior of Micro- and Nano-emulsions in Surfactant Flooding of Oil Reservoirs** H. Saboorian Jooybari, Z. Chen, University of Calgary
201834	**Wettability of Carbonate Reservoirs: Effects of Fluid and Aging** S. Kumar, A. Cheremisin, A. Burukhin, P. Grishin, Skolkovo Institute of Science and Technology
201835	**Study on the Mechanism of In-Situ Energised Microbial Enhanced Oil Recovery in Daqing Tight Oil Reservoir** X. Zhou, J. Li, Northeast Petroleum University; F. He, CNPC Chuanqing Drilling Engineering Company Limited
201836	**Overcoming Back-Produced Polymer Challenges – Development of an Advanced and Economic Filtration Technology for CEOR Application** C. Krenn, M. Marx, S. Grottendorfer, R. Grillneder, OMV Exploration & Production GmbH
201837	**Practical Experience in Applying the Technology of Creating a Network of Deep-Penetrating Filtration Channels with the Intensification of the Inflow in the Producing Wells** S. Plekhanov, D. Moiseev, Belorusneft
201838	**A Case Study of Salt-Tolerant Functional Polymer for EOR in Carbonate Reservoirs with Ultra-High Salinity** A. Mustafin, M. Varfolomeev, C. Yuan, R. Kadyrov, M. Glukhov, Kazan Federal University; K. Li, Southwest Petroleum University; R. Khayrtdinov, Kara Altyn
201839	**The Mechanism Analysis and Field Trial of a New Particle-Type Polymer Flooding Technology** Z. Sun, China National Offshore Oil Corporation (CNOOC) Research Institute Co.

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Technical Programme

Technical Session Well Construction – Drilling and Completion

Paper #	Presentation
201840	**The Cement Slurry and Technology of Cementing for Environments Abnormally High Content of Hydrogen Sulfide** D. Utkin, LUKOIL-Engineering PermNIPIneft
201841	**The Application of Drilling Fluid System Based on Salt-Saturated Direct Emulsion in Construction of Wells on Yurubcheno-Tokhomskoye Field** E. Tikhonov, A. Kharitonov, E. Korsunov, S. Pogorelova, N. Kovshov, I. Semenikhin, Halliburton; F. Zagrivny, S. Lemeshov, D. Ganiev, Vostsibneftegas
201842	**First Implementation of Self-Healing Cement Systems in H_2S/CO_2 Aggressive Environment Across Pay-Zone** A. Sozonov, V. Sukhachev, O. Olennikova, I. Akhmetzianov, E. Bakhareva, A. Burkenya, Schlumberger
201843	**Foamed Cement Slurry for Helping Improve Production Casing Zonal Isolation: Case Study, Tsarichansko-Filatovskoye Oilfield, Orenburg Region** A. Fomenkov, I. Pinigin, D. Velikiy, Halliburton; I. Denisov, Gazprom Neft
201844	**Construction of Horizontal Wells on the Salmanovskoye Field: Challenges Encountered, Decisions and Measures Taken to Ensure Trouble-Free Drilling** A. Kharitonov, A. Kabanov, E. Tikhonov, D. Kruchenko, Halliburton; S. Sokovnin, Arctic SPG2
201845	**"Smart" Bridging Agent – Protects Formation and Removed with Produced Fluid** S. Popov, P. Ryabtsev, AKROS; P. Nikitin, D. Udaltsov, Rosneft Upstream Peer Review and Technical Development Center
201846	**New Tailored Spacer System Helps Reduce Lost Circulation and Enhances Cement Bonding During Multistage Cementing Operations in Fractured Formations in Kyumbinskoe Field, Eastern Siberia** M. Tsibulskiy, I. Massie, I. Trofimenko, K. Agapiou, Halliburton; A. Lodin, V. Hohryakov, Slavneft-Krasnoyarskneftegas
201847	**Field Deployment of Low ECD Organoclay-Free Invert Emulsion Drilling Fluids** V. Wagle, A. AlYami, Saudi Aramco; J. Butcher, Halliburton
201848	**Integrated Approach Enabled Successfully Delivery of the Longest Well on Odoptu Field for RN-Sakhalinmorneftegaz** A. Shakhova, R. Famiev, I. Lebedeva, O. Valshin, N. Bravkova, R. Savinov, A. Dementyev, D. Marushkin, N. Lisyutina, R. Rakhimov, D. Gaskov, A. Balina, A. Sandy, Schlumberger; V. Bochkarev, Rosneft; V. Surmin, RN-Sakhalinmorneftegaz
201849	**Fishbones, Wishbones and Birch-Leaves – Multi-Lateral Well Design on the Srednebotuobinskoye Field in Eastern Siberia** E. Tuzov, S. Aliev, A. Gorbov, I. Galitskiy, D. Makhmutov, R. Sultanov, TYNGD; M. Rylance, BP; I. Levanov, D. Sirotin, I. Levin, R. Efimov, Baker Hughes
201850	**Use of Drill Bit with Combined Action Significantly Reduces Well Construction Time in Belarus Republic** A. Rebrikov, A. Koschenkov, M. Soin, Halliburton; D. Vorobyev, S. Vasko, D. Zakruzhniy, A. Kravchenko, Belorusneft

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Technical Programme

Paper #	Presentation
201851	**Enhancement of Wellbore Position Accuracy for Ultra Extended-Reach Drilling in Far Eastern Russia** B. Poedjono, N. Zachman, Schlumberger
201852	**First Expandable Liner Hanger for Gas-Condensate Well in Jurassic Formation, West Siberia** Ye. Klychkov, M. Biryukova, S. Lobanov, D. Kosenko, Halliburton
201853	**New Horizons of MSF Well Design – Ball-Activated Frac Valves with Single-Sized Ball Seats** N. Vikulin, V. Rusakov, Schlumberger; P. Grebnev, RN-Yuganskneftegaz
201854	**Experience of Existing Casing Drilling Technologies in Various Conditions and Search of the New Solutions for Actual Challenges** A. Zakirov, Gazpromneft STC; A. Madyarov, Gazpromneft-Orenburg; D. Kartinen, Gazpromneft-Zapolyarye
201855	**Drilling Optimisation Workflows in Horizontal Wells on Remote Artificial Island** K. Alwahedi, ADNOC Offshore; I. Tiberiu, Schlumberger; V. Kretsul, Schlumberger Middle East
201856	**Innovative Approach for Multilateral Well Completion with TAML 3 Junction Installation in Open Hole** D. Erokhin, G. Samarin, E. Ivashkin, Arcticgaz; A. Kashlev, E. Pyatkov, A. Fedotov, A. Filippov, ADL Completions
201857	**MPD as a Risk Reduction Decision for Exploration Drilling on Chepakovskoe Oilfield** D. Krivolapov, T. Soroka, P. Dobrokhleb, E. Gusev, Schlumberger
201858	**Successful Drilling Well on Middle Jurassic Formation with Severe Geotechnical Conditions on West-Yurkharovskoe Field** D. Elmurziev, I. Litvintsev, P. Chernov, R. Shakurov, M. Borodich, M. Zaidullin, I. Klimenko, Baker Hughes; A. Shakunov, NOVATEK-Yurkharovneftegaz; A. Frolov, ERIELL NEFTEGAZSERVICE
201859	**An Application of 3D Geomechanics Modelling to Optimise Drilling Throw Fractured Zones** I. Alekhin, DeGolyer and MacNaughton; A. Sidorov, V. Grebenschikov, E. Vlasov, NOVATEK STC
201860	**First MPD Experience with Brine's Formation Abnormal Pressure in Kovyktinskoe Field** A. Tomchenko, GNS; O. Myazin, E. Kazakov, Gazprom Nedra; V. Nikitin, Gazprom; G. Kaasa, C. Berg, Kelda
201861	**Impact of Casing Pressure Test after WOC on Cement Bond Quality** M. Vavilov, Yu. Sekacheva, V. Chernov, Halliburton; A. Perebatov, Arcticgaz; K. Lyutikov, Messoyakhaneftegaz
201862	**Application of Limited Entry Cemented Nozzles in Multistage Stimulation: a Case Study** S. Stolyarov, Baker Hughes
201863	**Extending the Boundaries of Horizontal HTHP Drilling through Managing the Downhole Circulating Temperature** O. Sissenov, Schlumberger; S. Rajadhyaksha, K&M Technology Group

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Technical Programme

Technical Session Oil and Gas Production – Equipment and Technologies. Production Gathering and Processing

Paper #	Presentation
201875	**Oil Treatment Layout Optimisation on Vostochno-Messoyakhskoe Oilfield** I. Khasanov, Messoyakhaneftegaz
201876	**Virtual Flowmeter in Novyport Oil, Gas and Condensate Field** D. Vinogradov, D. Vorobyev, Gazpromneft-Yamal
201877	**Plunger Lift System Case Studies in Kazakhstan** Z. Nurkas, Manul; K. Khabibuyev, OMV Petrom S.A.
201878	**Analysis of Self-Flowing through Annulus of Wells Operated with Electric Submersible Pumps, Western and Eastern Siberia Fields Cases** R. Khabibullin, K. Goridko, O. Kobzar, V. Verbitskiy, K. Litvinenko, Gubkin Russian State University of Oil and Gas
201879	**Case of Physical Fields Application to Accelerate Crude Oil Preprocessing** A. Dengaev, V. Verbitskiy, Gubkin Russian State University of Oil and Gas; A. Getalov, B. Sargin, Volna; I. Grekhov, Gazpromneft STC; R. Uchuev, Gazpromneft-Khantos
201880	**The Technology of Oil Production from Marginal Unprofitable Wells** I. Grekhov, E. Kibirev, P. Muzychuk, M. Kuzmin, Gazpromneft STC

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Well and Formation Testing. Formation Fluids Sampling and Evaluation

Paper #	Presentation
201889	**Determination and Forecast of Reservoir Pressure, Productivity and Filtration Parameters without Stopping Wells based on Analysis of Well Production History in the Software Kappa Topaze for Wells of Oil Fields LLC LUKOIL-PERM with Depth Gauges and Telemetry Sensors** E. Kuznetsova, LUKOIL-Engineering PermNIPIneft
201890	**Optimisation of Well Sampling in Abnormally Low-Permeability Gas Condensate Formations** A. Shandrygin, Gazprom Nedra STC Branch
201891	**New Method to Determine Characteristics of Reservoir by Testing Gas Condensate Wells** E. Pyankova, Gazpromneft STC
201892	**Application of the Interference Test without Stopping the Wells to Regulate the Field Development Process of the NOVATEK Group of Companies** K. Dvinskikh, NOVATEK STC; A. Naymushin, YARGEO; A. Abdrakhimov, NOVATEK
201893	**Gorizontal Well Inflow Model Explanation by Well Testing and Logging** N. Morozovskiy, Rosneft; R. Kanevskaya, A. Pimenov, V. Kolesov, Institute of Geology and Fossil Fuels Exploitation
201894	**Using DNA-Logging to Determine Inflow Profile in Horizontal Wells** A. Pozdyshev, M. Gelfand, GEONOM
201895	**Reservoir Connectivity and Compartmentalisation Detection with Down Hole Fluid Analysis of Compositional Gradients** E. Kazakevich, M. Charupa, M. Zeybek, Schlumberger; S. Gusev, A. Garaev, Zarubezhneft Dobycha Kharyaga
201896	**Enhancement of Smart Completion Effectiveness in Horizontal Wells of Severokomsomolskoye Field based on the Advanced Diagnostics Results** D. Soltanov, T. Solovyev, R. Kulgildin, SevKomNeftegaz

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Oilfield Development

Paper #	Presentation
201900	**Summary of Application Results and Prospects for Further Implementation of Equipment for Dual Completion in Slim Hole Wells and for Three Development Objects** A. Yakovlev, RITEK
201901	**Implementation and Research Experience of Multilateral Horizontal Wells in the Vankor Cluster Field** V. Volkov, A. Shirokov, D. Grandov, Ya. Utusikov, Rosneft
201902	**Mixed-Integer Programming for Optimising Well Positions** A. Kuvichko, Schlumberger; A. Ermolaev, Gubkin Russian State University of Oil and Gas
201903	**The Results of Geochemical Control Technology Testing of the Reservoir Reserves Development of the AC10 and AC12 Formations in the Priobskoye Field of Gazpromneft-Khantos** N. Morozov, D. Kalacheva, A. Shurunov, Gazpromneft STC; M. Bikkulov, R. Uchuev, R. Islamov, Gazpromneft-Khantos
201904	**The First for Russian Oil Company State-of-Art Intelligent Completion System Real-Time Cleanup Monitoring and Optimisation for 3 ERD Wells in Caspian Offshore** A. Byakov, LUKOIL-Nizhnevolzhskneft
201905	**Optimisation of Carbonate Heavy Oil Reservoir Development Using Surfactant Flooding: from Laboratory Screening to Pilot Test** M. Varfolomeev, R. Ziniukov, S. Usmanov, V. Sudakov, C. Yuan, A. Mustafin, S. Sitnov, Kazan Federal University; R. Khayrtdinov, Kara Altyn
201906	**Features of Oil Rim Waterflooding Using Horizontal Wells** V. Ilikbaev, V. Virt, R. Kazykhanov, V. Kosolapov, Yu. Kulikov, Gazpromneft-Yamal; V. Varavva, Gazpromneft STC
201907	**Experience of the Autonomous Inflow Control Devices Application at the Oil-Gas-Condensate Field to Control Early Gas Breakthroughs** E. Meyer, D. Bormashov, V. Shkred, Baker Huges; M. Malofeev, I. Oparin, V. Grinchenko, TYNGD

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Digital Technologies for Oil and Gas Industry

Paper #	Presentation
201921	**Decision Support System for Tight Oil Fields Development (Achimov Deposits and Their Analogues) Using Machine Learning Algorithms** A. Fedorov, B. Suleymanov, A. Povalyaev, I. Dilmukhametov, RN-BashNIPIneft; A. Sergeychev, Rosneft
201922	**Missed Net Pay Zones Mature Oilfieds via Injection of Expert Knowledge in Deep Learning Algorithms** A. Semenikhin, A. Reshitko, A. Sabirov, A. Schepetnov, IBM; D. Egorov, O. Osmonalieva, B. Belozerov, Gazpromneft STC
201923	**Digital Assistant to Analyse and Predict the Effectiveness of Acid Stimulation of the Bottom Hole Zone** D. Andruzov, Gazpromneft-Khantos
201924	**3D Reservoir Model History Matching based on Machine Learning Technology** E. Illarionov, P. Temirchev, A. Gubanova, D. Voloskov, D. Koroteev, Skolkovo Institute of Science and Technology; M. Simonov, Gazpromneft STC; A. Akhmetov, A. Margarit, Gazprom Neft
201925	**Deep Neural Network for Real-Time Location and Moment Tensor Inversion of Borehole Microseismic Events Induced by Hydraulic Fracturing** D. Wamriew, M. Charara, E. Maltsev, Skolkovo Institute of Science and Technology
201926	**Machine Learning Based Approaches in Creating a Digital Analogue of Bottomhole Pressure Gauges** I. Vrabie, P. Spesivtsev, Ye. Kaipov, Schlumberger
201927	**Tool for Operational Well Stock Management and Forecasting** A. Sharifov, I. Zhdanov, E. Belonogov, D. Perets, Gazpromneft STC; A. Margarit, Gazprom Neft
201928	**The Development of Automatic Productive Zones Detection Algorithm based on Samotlorskoe Oilfield Data (BV10 Layer)** I. Kanaev, Tyumen Petroleum Research Center
201929	**A New Data Analytics Based Method to Characterise Waterflood Strategy in Geologically Challenging Mature Oil Field** A. Yadav, A. Malkov, Wintershall Dea
201930	**Data-Driven Analytics for Early Warnings in Reservoir and Well Performance** R. Canchucaja, Repsol
201931	**Prediction of Fluid Flow in Porous Media Using Physics Informed Neural Networks** M. Almajid, M. Abu-Al-Saud, Saudi Aramco
201932	**Thomsen Parameters Determination from Synthetic Sonic Logging Data for VTI Formation Using a Convolutional Neural Network** M. Bazulin, D. Sabitov, M. Charara, Skolkovo Institute of Science and Technology
201933	**Developing Algorithms to Analyse Data Gathered during Drilling Using Big Data Approaches – Features, Limitations, Main Rules** A. Zinovyev, Geosteering Technologies
201934	**Machine Learning for Fractured-Medium Parameters Estimation in Fractured Oil and Gas Reservoirs from Seismic Signatures of Reflected Waves** G. Sabinin, Lomonosov MSU; T. Chichinina, Mexican Petroleum Institute (IMP); V. Tulchinskiy, Tesseral Technologies
201935	**In Situ Channelisation Model for Hydraulic Fracturing Simulation** K. Kaprielova, M. Ivanov, I. Starkov, R. Romanovskii, D. Bannikov, D. Kuznetsov, Schlumberger
201936	**Verification of Field Data and Forecast Model based on a Variational Autoencoder in the Application to the Mechanised Fund** N. Volkov, E. Dakhova, S. Budenniy, MIPT Center for Engineering and Technology; A. Andrianova, Gazpromneft STC

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Static, Dynamic and Integrated Modelling

Paper #	Presentation
201946	**New Solution in Integrated Asset Modelling for Multi Reservoirs Coupling** K. Bogachev, E. Piskovskiy, V. Erofeev, A. Grishin, Rock Flow Dynamics
201947	**Building a Unified Compositional Model** K. Bogachev, S. Zhukov, S. Milyutin, Rock Flow Dynamics
201948	**Reservoir Simulation of Polymer Flooding: Challenges and Current Results** D. Sabirov, R. Demenev, K. Isakov, Gazpromneft STC; I. Ilyasov, A. Orlov, N. Gluschenko, Messoyakhaneftegaz
201949	**Coupled Static and Dynamic High-Resolution Modelling on High Performance Computer Clusters** K. Bogachev, E. Shimonin, A. Telishev, S. Tregub, E. Glazkova, A. Absalyamov, G. Kostin, Rock Flow Dynamics
201950	**Well Placement Optimisation Using Reduced Order Modelling of Hydrocarbon Reservoirs** E. Kuznetsova, D. Pissarenko, Skolkovo Institute of Science and Technology
201951	**Development of Simulator for Sandstone Acidising Modelling** A. Blonskiy, D. Mitrushkin, A. Kazakov, D. Filippov, Yu. Mokropulo, I. Bazanov, MIPT Center for Engineering and Technology; G. Scherbakov, A. Melnikov, A. Roschektaev, A. Maltsev, Gazpromneft STC; M. Morozov, Gazpromneft-Orenburg
201952	**Multivariate Spatial-Temporal Model of Gas Dynamic in Underground Gas Storage based on Saturation Parameter from Well Logging Data** A. Degterev, Rock Flow Dynamics
201953	**Explicit Numerical Evaluation of Productivity Impairment in Hydraulically Fractured Wells of Gas Condensate Reservoirs** S. Alakbarov, A. Behr, Wintershall Dea
201954	**Digital Representation of an Offshore Greenfield on the Sakhalin Island Using Integrated Modelling Involving Subsea Production System** R. Shakirov, R. Khaliulin, RN-SakhalinNIPImorneft
201956	**Assessment of Non-Equilibrium Phase Behavior Model Parameters for Oil and Gas-Condensate Systems by Laboratory and Field Studies** I. Indrupskiy, T. Tsagan-Mandzhiev, A. Aglyamova, IOGP RAS; M. Danko, Tyumen Institute of Oil and Gas
201957	**Updating the Reservoir Hydrodynamic Model According to Continuous Monitoring of Horizontal Wells of the Prirazlomnoye Oil Field Using Tracer Studies** A. Koloda, Gazprom Neft Shelf; M. Nukhaev, Siberian Federal University; A. Galimzyanov, K. Naydenskiy, Resman
201958	**Assisted Creation and Usage of Material Balance Models for Production Forecasting as a Part of Integrated Field Management** N. Bakhtiy, A. Demin, M. Tupitsyn, GIS-ASUproject
201959	**Thermo-Tectonic Evolution and Numerical Petroleum System Modelling of One of the Oil Fields on Krasnoleninsky Arch, SW West Siberian Basin** J. Röth, R. Littke, RWTH Aachen University, Institute of Geology and Geochemistry of Petroleum and Coal; Yu. Karpov, A. Kalmykov, E. Beseleva, G. Kalmykov, Lomonosov MSU
201960	**Novel Approach to Detailed Flow Modelling in Fractured Reservoirs Using Adaptive PEBI Grids** D. Filippov, B. Vasekin, D. Maksimov, D. Mitrushkin, A. Roschektaev, MIPT Center for Engineering and Technology
201961	**Application of the Integrated Model for Increased Efficiency of the Operations of the High Sulphur Oil Fields** D. Zhigalov, A. Beslik, A. Mitroshin, V. Volkov, A. Rychkov, LUKOIL-Engineering; K. Lapin, LUKOIL-Komi
201962	**Well's Lift Models Creating and Maintenance Experience for Under-Gas-Cap Zones of Oil Rim Field's. The Case Novoportovskoye and Tazovskoe Oil and Gas-Condensate Fields** A. Varavva, G. Apasov, F. Polkovnikov, D. Platonov, R. Apasov, D. Samolovov, Gazpromneft STC; D. Vinogradov, Gazpromneft-Yamal

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Geomechanics

Paper #	Presentation
201970	**Evaluation of Petrophysical Relations by Using Cluster Analysis** M. Samoylov, Rosneft Upstream Peer Review and Technical Development Center; K. Toropetskiy, NovosibirskNIPIneft; I. Eltsov, IPGG SB RAS
201971	**Completion Strategy Alteration on the Overpressured Field based on Geomechanical Modelling and Geomechanics based Fracture Design** G. Ochirov, E. Korelskiy, L. Sadykov, V. Chernyak, M. Salmina, I. Peshkov, T. Kosarev, Schlumberger
201972	**Improved Well Construction Enabled by Pore Pressure Prediction while Drilling** K. Chettykbaeva, A. Zinovyev, Yu. Petrakov, A. Sobolev, Geonaft; M. Grigoryev, A. Kovalevskiy, NOVATEK
201973	**Optimisation of Stress and Strain Tensors Computational Algorithm while Constructing 3D Geomechanical Model of the Field** D. Mylnikov, D. Melnichuk, E. Korelskiy, Geonaft
201974	**Reduction of Accidents During Mine Construction with Geomechanical Modelling** R. Melikov, Geosteering Technologies
201975	**Elemental Study of Single Fractures Conductivity Using 3D Prototyping and Nuclear Magnetic Resonance** M. AlSinan, J. Gao, M. Satrawi, H. Kwak, Saudi Aramco
201976	**Identification and Analysis of the Maximum Stress Directions from Regional to Local Scales on the Area of JSC Orenburgneft for to Optimise the Field Development System** K. Korolkova, A. Nikiforova, SamaraNIPIneft
201977	**Application of 3D Geomechanics Modelling to Enhance Reservoir Simulation Model Forecast in Terrigenous Fractured Reservoir** D. Balin, V. Brovko, NOVATEK STC; I. Alekhin, DeGolyer and MacNaughton Corporate; A. Naymushin, YARGEO
201978	**Usage of Imitational Geological-Petrophysical Models to Reduce Drilling Risks for Offshore Reservoirs Exploration** N. Dubinya, S. Tikhotskiy, MIPT, IPE RAS; A. Vershinin, A. Pirogova, Lomonosov MSU, IPE RAS
201979	**3D Digital Mineral Mechanical Modelling of Complex Reservoirs Rocks for Investigation of Fracture Propagation at Microscale** V. Nachev, MIPT, Skolkovo Institute of Science and Technology, IDG RAS; A. Kazak, Skolkovo Institute of Science and Technology; S. Turuntaev, IDG RAS
201980	**Metrological Provision in Geomechanical Modelling** N. Ravilov, A. Sobolev, Yu. Petrakov, O. Tatur, K. Chettykbaeva, Geonaft
201981	**Evaluation of Stress Field Parameters in the Rocks with Disjunctive Dislocations Using Different Techniques** T. Yalaev, R. Kanevskaya, V. Kiryachek, A. Pimenov, Institute of Geology and Fossil Fuels Exploitation; Yu. Rebetskiy, IPE RAS; V. Volyanskaya, Rosneft
201982	**Plastic Instability of Vikulovskaya Suit** K. Toropetskiy, NovosibirskNIPIneft; A. Zharkov, RN-Nyaganneftegaz; M. Samoylov, Rosneft Upstream Peer Review and Technical Development Center

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Conceptual Engineering and Re-Engineering

Paper #	Presentation
201985	**Selection of Optimal Developing Strategy for a Group of Prospects in Terms of Geological Uncertainties and Infrastructure Constraints** V. Legkokonets, Gazpromneft STC, Saint-Petersburg Mining University; A. Vasilenko, NSU; M. Khasanov, Gazprom Neft
201986	**Automation of the Process of Optimisation of Technical Solutions and Costs of Capital Projects Regarding Oil and Gas Field Infrastructure Development** O. Zemtsova, A. Semenikhin, R. Samokhin, D. Saatchan, IBM East Europe/Asia
201987	**Offshore Case: Rapid Assessment the Optimal Parameters for Oil Field Development and Facilities Construction** A. Lubnin, Vietsovpetro
201988	**Multi-Objective Optimisation as a Tool for Scenario Modelling of a Company's Portfolio** S. Zhigach, Gazpromneft STC; E. Yudina, Skolkovo Institute of Science and Technology
201989	**Paradigm Shift: Pad Optimisation for a Potential Tight-Gas Development in Russia** M. Rylance, BP Exploration; S. Aliyev, KharampurNefteGaz
201990	**Bolshehetskaya Depression Concept Selection Study** E. Mamedov, A. Lysov, LUKOIL-Engineering

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Gas, Gas Condensate and Oil Gas Condensate Field Development

Paper #	Presentation
201993	**Digital Production Optimisation Boost for North Caspian Field with 3-Phase Real-Time Downhole Flow Metering System from Enhanced Intelligent Completion** M. Golenkin, LUKOIL-Nizhnevolzhskneft
201994	**Case Studies of Gascondensate Field with Oil Rim Development: Search for Effective Methods of Oil Production from Thin Rims** S. Kolbikov, NOVATEK
201995	**Gas Cap Injection as an Associated Gas Utilisation Method. Experience of Novoportovskoye Field** B. Dzhanan, F. Koryakin, E. Sherstoboev, K. Isakov, Gazpromneft STC; V. Virt, D. Kashapov, Gazpromneft-Yamal
201996	**Enhancement of Condensate Recovery of Fractured Well by Accumulated Condensate Vaporisation at HPHT Reservoir Conditions** D. Solovyev, P. Eliseev, NOVATEK STC
201997	**Complex Phase Behavior Study of a Near-Critical Gas Condensate Fluid in a Tight HPHT Gas Condensate Reservoir** I. Indrupskiy, T. Yuschenko, O. Lobanova, N. Cherneva, Yu. Alekseeva, IOGP RAS; V. Vokuev, Yu. Filippova, NOVATEK STC; E. Surkov, NOVATEK; V. Solovyev, A. Devyatov, Arcticgaz
201998	**Horizontal Well Critical Rate Estimation in Gas-Oil Zones under High Solution Gas-Oil Ratio** E. Sandalova, D. Samolovov, F. Polkovnikov, R. Apasov, A. Varavva, Gazpromneft STC
201999	**Creation of an Efficient Hydrogen Storage in an Aquifer and its Parameters Optimisation** E. Zakirov, L. Abukova, D. Anikeev, I. Indrupskiy, IOGP RAS
202000	**Method for Solving Problems of Gas Production from Turonian Reservoirs** D. Bakulin, P. Zobov, A. Cheremisin, Skolkovo Institute of Science and Technology; V. Khlebnikov, Gubkin Russian State University of Oil and Gas
202001	**Implementation of Instrumentalised Virtual Multiphase Flow Metering Technology in the Wells of the Vostochno-Makarovskoye Gas Condensate Field** V. Baranov, A. Zozulya, Volga Gas; K. Rymarenko, MF Technologies; M. Nukhaev, Siberian Federal University
202002	**Application of Semianalytical GORM-Method for Gas Production Prediction of Oil Rims Fields. The Case of Novoportovskoye Oil and Gas-Condensate Field** A. Varavva, D. Samolovov, R. Apasov, Gazpromneft STC; K. Ivanovich, Gazpromneft-Yamal
202003	**Evaluation of CO_2 Storage Potential in Mature Gas Reservoirs: Field Case Pannonian Basin** I. Al-Jeboore, D. Kundacina, S. Divnic, NTC NIS – Naftagas d.o.o.
202004	**Method for Estimation of Optimum Horizontal Wells Pattern in Oil Rims** D. Samolovov, I. Perevozkin, D. Reshetnikov, Gazpromneft STC; S. Nekhaev, Gazpromneft-Development
202005	**Comparison of Different Methods for Determining Drained Volumes of Production Wells of a Multi-Layer Gas Condensate Field in the Presence of Complicating Factors** A. Smirnov, V. Serebryakov, E. Shevchenko, NOVATEK STC; A. Yuzhaninov, Yamal LNG

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Core Analysis

Paper #	Presentation
202013	**Study of Polymer Flooding at Pore Scale by Digital Core Analysis for East-Messoyakhskoe Oil Field** I. Yakimchuk, N. Evseev, D. Korobkov, O. Ridzel, M. Yaryshev, Schlumberger; I. Ilyasov, N. Gluschenko, A. Orlov, Messoyakhaneftegaz
202014	**Some Possibilities of Fluid Typisation in Core Samples at Rig Site Applying Nuclear Magnetic Resonance** V. Murzakaev, N. Belousova, TNG-Group
202015	**Digital Core Analysis – Innovative Approach for EOR Agent Screening at Pore-Scale for Achimov Rocks** V. Khan, I. Yakimchuk, N. Evseev, D. Korobkov, O. Ridzel, O. Dinariev, V. Semkov, Schlumberger; A. Zhonin, RN-BashNIPIneft; D. Kravets, RN-Yuganskneftegaz
202016	**Acid Treatment Optimisation based on Digital Core Analysis** E. Ivanov, A. Demianov, A. Beletskaya, L. Dovgilovich, D. Abdrazakov, M. Stukan, O. Dinariev, Schlumberger
202017	**Quantitative Analysis of Whole Core Photos for Continental Oilfield of Western Siberia** V. Abashkin, Schlumberger
202018	**Determination of Filtration Parameters of Suspension from Experimental Data** A. Kobyashev, V. Zakharenko, A. Kochetov, A. Zagorovskiy, R. Neklesa, A. Usoltsev, Tyumen Petroleum Research Center; K. Fedorov, A. Shevelev, Tyumen State University
202019	**Study of Carbonate Core Properties for Multi-Staged Acid Fracturing with Tracers for Production Logging** A. Lutfullin, Tatneft
202020	**Transmissivity Estimation of Polymer Marker Reporters in Terrigene Core Pore Space** D. Shestakov, Kogalymneftegaz

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Field Geology and Geophysics

Paper #	Presentation
202024	**Method of Integrated Seismic and Geological Support for Drilling Horizontal Boreholes** I. Samoylenko, N. Belousova, A. Tarasov, LUKOIL-Engineering VolgogradNIPImorneft
202025	**Efficient Acoustic Wave Equation Modelling in TTI Media** Yu. Nikonenko, M. Charara, Skolkovo Institute of Science and Technology
202026	**Application of the Theory of "Clamped" Water in the Justification of Water-Oil Contact (on the Example of Famen Organic Deposits of the Vostochno-Lambeshorskoye Field)** N. Dorofeev, E. Ananyeva, LUKOIL-Engineering; A. Kuzmicheva, I. Garifullin, LUKOIL; A. Saetgaraev, LUKOIL-Komi; I. Khromova, IE Khromova I. Yu.
202027	**Method of Multivariate Seismic Tomography based on Stochastic Analysis of Input Data Reliability** R. Anisimov, O. Silaenkov, D. Finikov, Seismotech
202028	**3D Process-Based Sedimentary Modelling: Reservoir Localisation and Property Prediction** D. Linev, A. Ershov, M. Lineva, GeoGrid
202029	**Low Electrical Resistance of the Basement Rocks: Causes and Effects for the Interpretation of Well Logging (Krasnoleninsky Dome, Western Siberia)** A. Khotylev, A. Mayorov, V. Belokhin, Lomonosov MSU; E. Kozlova, Skolkovo Institute of Science and Technology
202030	**From Qualitative Interpretation to Quantitative Analysis: Prediction of Properties of Geological Bodies by Using the Spectral Decomposition Attribute** R. Volkov, D. Volkov, G. Kozhevnikov, GeoGrid
202031	**The Relevance of Gas Reserves Estimation in a Complex Geological Structure and Existing Uncertainties at the Exploration and Pilot Production Stages** D. Levin, Halliburton; K. Abidov, M. Tillyabaev, A. Klevitskiy, Surhan Gas Chemical Operating Company

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Well Logging

Paper #	Presentation
202040	**Test Results of Active Thermometry Technology Using a Distributed Temperature Measurement System** K. Rymarenko, SIANT; M. Nukhaev, N. Dadakin, Siberian Federal University; G. Aitkaliev, A. Golubtsov, Aisiko
202041	**Complex Using of Conventional Production Logging and Indicator Technologies in Hard-to-Recover Reservoir Study** D. Lazutkin, The Bazhen Technology Centre
202042	**Dynamic Flow Monitoring in Horizontal Wells with High-Stage Mfrac in Conditions of Bazhen Formation** V. Karpov, RITEK; N. Parshin, Yugranefteprom
202043	**Multilateral Well Placement in Carbonates of Volga-Ural Region in Russia** V. Sayfitdinova, I. Dudareva, E. Skorikova, Schlumberger; V. Permyakov, LUKOIL-PERM; V. Baryakh, LUKOIL-Engineering
202044	**Vendor-Neutral Inversion of LWD Resistivity Data as a Step Toward Efficiency Standardisation of Geosteering Services** M. Sviridov, A. Mosin, S. Lebedev, I. Kuvaev, I. Uvarov, ROGII

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Technical Session Production Stimulation and Hydraulic Fracturing

Paper #	Presentation
202049	**TIV-Anisotropy in Geomechanical Modelling for Planning of Hydraulic Fracturing at the Kharampurskoye Field** M. Samoylov, A. Prokhorov, Rosneft Upstream Peer Review and Technical Development Center; V. Pavlov, N. Pavlyukov, Tyumen Petroleum Research Center
202050	**Multistage Hydraulic Fracturing Using Hydrocarbons in a Tight Gas Formation** V. Astafyev, M. Lushev, Halliburton; Yu. Mazhirin, Stratagen; A. Plotnikov, I. Dubnitskiy, Severneftegazprom; A. Mitin, Weatherford
202051	**Stimulation Fluid Advancements Improve Gas Production from Low-Temperature Turonian Siltstone** A. Loginov, O. Olennikova, A. Yudin, K. Burdin, Schlumberger; V. Vorobyev, Severneftegazprom; I. Shmarin, RusGazBurenie
202052	**Influence of External Conditions on the Behavior of Products Made of Soluble Metals** K. Demchenko, Oil Energy
202053	**An Up-to-Date Approach to the Integration of Engineering Solutions for Stimulation of Low-Permeable Reservoirs of the Achimov Thickness** R. Gainetdinov, I. Faizullin, A. Churakov, Yu. Berezovskiy, A. Shurunov, Gazpromneft STC; D. Metelkin, Gazpromneft-Geo; A. Gaifullin, A. Ivshin, Gazpromneft-Noyabrskneftegaz; N. Chebykin, R. Uchuev, A. Prutsakov, Gazpromneft-Khantos
202054	**Experience with 6/10 and 10/14 Mesh Size on Mid-Permeable Reservoirs** D. Chaplygin, Salym Petroleum Services B.V.
202056	**Field Testing of the Flowback Technology for Multistage-Fractured Horizontal Wells: Test Results and Primary Interpretation of the Results** A. Vainshtein, A. Osiptsov, S. Boronin, G. Fisher, I. Garagash, K. Tolmacheva, Skolkovo Institute of Science and Technology; I. Fayzullin, G. Paderin, A. Shurunov, E. Shel, Gazpromneft STC; A. Prutsakov, R. Uchuev, D. Prunov, N. Chebykin, Gazpromneft-Khantos
202057	**Non-Guar Synthetic Hydraulic Fracturing Gels – Successful Concept of Choice** A. Churakov, I. Fayzullin, R. Gainetdinov, M. Pichugin, Gazpromneft STC; S. Makarevich, D. Mikhailov, B. Williams, ChampionX
202058	**Perspectives for Re-Stimulation of Horizontal Wells with Multistage Hydraulic Fracturing with Ball Arrangements** A. Mingazov, K. Ibragimov, I. Samoylov, Slavneft-Megionneftegaz
202059	**Practical Experience of Unconventional Reservoirs' Multistage Fracturing in Belarus** K. Mironenko, A. Drabkin, M. Shakulya, BelNIPIneft

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Technical Programme

Paper #	Presentation
202060	**Logging, Well Testing and Microseismic Fracture Geometry Investigations: Mistakes, Lessons Learnt and Challenges** A. Shirnen, Salym Petroleum Development; M. Salischev, Gazpromneft STC; A. Nikitin, Gazpromneft-Development
202061	**Novel Approach for Produced Water Utilisation in Multi-Stage Fracturing Treatments in Western Siberia** N. Kiselev, D. Vernigora, A. Borisenko, K. Zotov, Schlumberger
202062	**Intensive Fracture Cluster Completions Strategy with Microemulsion Flowback Technology in a Daqing Tight Oil Field Application: Case Study** S. Zhou, D. Wang, H. Han, Halliburton; X. Yang, B. Qiu, D. Qi, Q. Lv, J. He, PetroChina Daqing
202063	**The Use of Method of Oscillation Rheology for the Study Fracture Fluids** T. Gilyazitdinov, A. Valenkov, M. Kazak, S. Panin, BelNIPIneft
202064	**New Fracturing Fluid Viscosity Model to Cure Power Law Mistakes** D. Vernigora, A. Fedorov, O. Olennikova, Schlumberger
202065	**Results of Implementing an Integrated Approach to Modelling, Planning and Conducting of Hydraulic Fracturing on Bazhenov Shale** D. Korobitsyn, A. Yanaev, A. Bochkarev, A. Erofeev, MIPT Center for Engineering and Technology; O. Bukov, The Bazhen Technology Centre
202066	**Fracturing Technology of Real Time Control Guarantees Highly Efficient Exploitation of Shale in Weiyuan Gas-Field, SW China** L. Zeng, Yu. Zheng, Downhole Service Company, CCDC, CNPC
202067	**Symbiosis of Technologies – Acid-Proppant Multi-Stage-Fracturing on Ultra-Low-Temperature Formations in Eastern Siberia** A. Kapkaev, S. Movchan, M. Paskhalov, P. Kurkin, O. Olennikova, D. Sadykova, Schlumberger; Sh. Kuchmezov, A. Shuklin, Rosneftegaz
202068	**Alternative Fracturing Fluids: Expanding the Field of Possible Applications and Properties of Hydrophobically Modified Polyacrylamide** A. Aleshina, A. Shibaev, O. Filippova, Lomonosov MSU; A. Osiptsov, Skolkovo Institute of Science and Technology; E. Shel, G. Paderin, E. Saifutdinov, A. Churakov, I. Fayzullin, Gazpromneft STC
202069	**Thermal Acidising Practice in Low-Temperature Dolomitised Carbonate Reservoir with Wax Deposition Problem** A. Folomeev, I. Taipov, A. Khatmullin, S. Vakhrushev, T. Galiev, RN-BashNIPIneft

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Technical Programme

Knowledge Sharing ePoster Session Hard-to-Recover Reserves

Paper #	Presentation
201817	**Integrated Approach to the Analysis of Achimov Deposits for the Purpose of Optimising Drilling** A. Gilmiyanova, M. Sukhova, RN-BashNIPIneft
201818	**Potential and Possible Technological Solutions to the Problems of Developing Unconventional Hydrocarbon Reserves of the Bazhenov Formation** D. Bukharov, Yu. Alekseev, A. Prodan, A. Nenko, The Bazhen Technology Centre
201819	**Wait or Get the Oil: How SAGD Technology Implementation Options Will Vary Future Production** A. Nikitin, A. Terentiyev, K. Pchela, P. Roschin, I. Kireyev, A. Litvin, SamaraNIPIneft; I. Struchkov, Tyumen Petroleum Research Center
201820	**A Comprehensive Study of Unconventional Reservoirs: the Case of Rechitskoe Field Sediments of Rock Units I-III** A. Kudryashov, P. Povzhik, Belorusneft

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Technical Programme

Knowledge Sharing ePoster Session Well construction – Drilling and Completion

Paper #	Presentation
201865	**15 in 1. Experience Utilisation for Construction of Multilateral Well with 15 Lateral Branches** I. Levanov, I. Levin, R. Efimov, D. Sirotin, Baker Hughes; I. Oparin, E. Lukyantseva, R. Sultanov, A. Gorbov, I. Galitskiy, D. Makhmutov, I. Nikitenko, V. Grinchenko, TYNGD
201866	**Broaden Limits: Managed Pressure Drilling – a New Step for Achimov Horizontal Wells** S. Pilnik, D. Kartinen, M. Zlobin, Yu. Kolesnikov, Gazpromneft-Zapolyarye; P. Dobrokhleb, D. Krivolapov, I. Moiseenko, Schlumberger
201867	**Implementation of New Hyperbolic Diamond Elements for Improving Rate of Penetration While Drilling through Soft and Plastic Formations in Russia** D. Gumich, S. Zabuga, G. Konysbekuly, Schlumberger
201868	**Russian National Oil Company Successfully Implemented Selective Flotation of 9 5/8-inch Production Liner in Ultra-Extended Reach Drilling Well in Sakhalin** A. Shakhova, R. Famiev, I. Lebedeva, O. Valshin, N. Bravkova, R. Savinov, A. Dementyev, D. Marushkin, S. Abdullaev, Schlumberger; V. Bochkarev, Rosneft; V. Surmin, RN-Sakhalinmorneftegaz
201869	**Successful Application of High-Speed Negative-Pulse Telemetry with Compressed Data Transmission Aiming to Increase ROP during Horizontal Wells Drilling in Yuzhno-Tambeyskoye Gas Condensate Field** A. Garipov, D. Tur, A. Galimkhanov, Halliburton; A. Yavorskiy, V. Maltsev, ERIELL NEFTEGAZSERVICE; A. Rybalkin, V. Pogurets, Yamal LNG
201870	**Drilling the Longest 12.25in Section in UAE – Case Study** R. Vasquez Bautista, Schlumberger
201871	**A Successful Experience in Using Short Gauge PDC Bits for Drilling with "Point-the-Bit" Rotary Steerable Systems under Geological Conditions of Verkhnechonskoye Field** N. Abaltusov, A. Garaev, A. Ryabov, Weatherford
201872	**Case History: Reactive Multicomponent System Provides Efficient Lost Circulation Control in the Timano-Pechora Region** A. Nechaikin, Yu. Sekacheva, A. Morozova, Halliburton
201873	**First Offshore Well in Russia with the Implemented Managed Pressure Drilling Technology** G. Gagloyev, Schlumberger
201874	**Development and Practical Application of Requirements for Drilling Fluid based on Geomechanical Modelling and Physical-Chemical Studies of Unstable Highly Lithified Clay Formations** D. Kazakov, P. Khvoschin, I. Nekrasova, A. Predein, O. Garshina, G. Okromelidze, LUKOIL-Engineering

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Technical Programme

Knowledge Sharing ePoster Session Oil and Gas Production – Equipment and Technologies. Production Gathering and Processing

Paper #	Presentation
201881	**Prediction of ESPs Failure Using ML at Western Siberia Oilfields with Large Number of Wells** R. Khabibullin, A. Shabonas, Gubkin Russian State University of Oil and Gas; A. Timonov, Russneft; N. Gurbatov, Deeplight Ventures
201882	**Effectiveness of Implementing ESP Life Cycle System in Salym Petroleum Development** A. Musorina, Salym Petroleum Development
201883	**Optimisation of Oil Production Wells Natural Mode by Ultrasonic and Induction Systems** V. Verbitskiy, A. Dengaev, K. Goridko, Gubkin Russian State University of Oil and Gas; I. Grekhov, M. Kuzmin, Gazpromneft STC; A. Getalov, B. Sargin, Volna; A. Akhmetgaliev, D. Laschev, Dipline
201884	**Application of Models of Unsteady-State Flow of Liquid-Gas Mixture Along the Wellbore for Production Analysis and Management** E. Yudin, R. Khabibullin, N. Smirnov, A. Vodopyan, K. Goridko, Gazpromneft STC

Knowledge Sharing ePoster Session Oilfield Equipment. Development, Manufacturing and Best Practices

Paper #	Presentation
201885	**Improving the Equipment Efficiency by Using the New Technology for Bulk Material Laying** L. Faizullina, RN-BashNIPIneft
201886	**Metal-Polymer Coiltubing Pipes** V. Grogulenko, LUKOIL Uzbekistan Operating Company
201887	**Submersible Low-Turning Electric Motor of Development LLC "UK" SYSTEM-SERVICE" for Operation of Screw Pumps** A. Vostrukhin, Regional Institute of Continuing Professional Education
201888	**Distributed Fiber Optic Temperature Sensor for Wells with Harsh Operating Conditions** M. Poskrebyshev, M. Komissarov, Z. Alekseenko, D. Kovalenko, I-Sensor; I. Kaeshkov, Gazpromneft STC

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Well and Formation Testing. Formation Fluids Sampling and Evaluation

Paper #	Presentation
201897	**Diagnostics of a Heterogeneous Reservoir Performance in Yarudey Field by Means of an Integrated Logging Suite Including Passive Acoustics and Temperature Modelling** S. Konovalov, TGT Service; I. Aslanyan, TGT; A. Naymushin, R. Zaripov, YARGEO
201898	**Development of an Approach for Well Testing in Real Time** Yu. Pityuk, G. Akmurzina, A. Davletbaev, RN-BashNIPIneft; T. Azarova, D. Farger, Bashneft; A. Krivulyak, S. Zyleva, Bashneft-Dobycha
201899	**Recommendations Development for Planning of Formation Testing Workflow and Representative Samples Selection in a Various Geological and Technological Conditions** A. Chashkov, NOVATEK; I. Shalamov, E. Shkunov, S. Bakustina, D. Listoykin, NOVATEK STC; S. Novikov, M. Charupa, Schlumberger

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Oilfield Development

Paper #	Presentation
201908	**Enhanced Oil Recovery of Tsarichanskoye + Filatovskoye Oil Field by Increasing the Temperature of the Injected Agent into the Reservoir** V. Ivaschenko, Gazpromneft-Orenburg
201909	**Using of Multi-Fracturing Technology in Horizontal Wells with Large Deviation to Increase the Efficiency of Reservoir Development with Degraded Reservoir Properties on the Offshore Field of Sakhalin** M. Prudskiy, Rosneft-SakhalinNIPImorneft
201910	**Experience of Borehole Microseismic Monitoring of Reservoir Flooding at Baytugunskoye Field** Yu. Naumov, A. Tupitsin, N. Lavrenkova, M. Fedoseev, MOL RUS; A. Mitin, L. Kalvan, Weatherford; C. Enachescu, MOL
201911	**Application of the HW with MSHF Investigations to Manage the Development of Low-Permeability Reservoirs** A. Shurunov, A. Sheremeev, I. Kaeshkov, M. Kolesnikov, S. Simakov, Gazpromneft STC; M. Bikkulov, R. Uchuev, S. Solodov, R. Islamov, I. Saitgareev, Gazpromneft-Khantos
201912	**Modelling of Wax and Salts Deposition in the Near-Wellbore Zone of the Low-Temperature Formation under Various Well Operation Mode** L. Gaydukov, Messoyakhaneftegaz
201913	**Comprehensive Studies of Salinised Reservoir Rocks to Expand the Resource Base of Hydrocarbons in the Pripyat Trough** S. Grimus, BelNIPIneft
201914	**Estimation and Localisation of Residual Recoverable Oil Reserves by the Complex of Filtration, Optical and Field Research** R. Burkhanov, I. Ibragimov, Almetyevsk State Oil Institute; A. Lutfullin, Tatneft
201915	**Comprehensive Approach to Optimisation of Business Cases of Brownfields on the Example of Pilot Program "Renovation" in Gazprom Neft** V. Veselov, M. Monzherin, P. Drofa, R. Rybakov, N. Maltsev, Gazpromneft STC; R. Asmandiyarov, Gazprom Neft; A. Zenov, Gazpromneft-Noyabrskneftegaz; P. Lozina, St. Petersburg University
201916	**Determining the Optimal Number of Wells in Lenticular Bodies** V. Rubailo, Gazpromneft STC
201917	**Development of Methods for Optimising the Parameters of the Oil Rim Development System** E. Sandalova, D. Samolovov, R. Apasov, A. Varavva, F. Polkovnikov, G. Apasov, Gazpromneft STC
201918	**Pressure Maintains System Optimisation Recommendations by Integrated Analysis of Well-Tests, Logs and Pulse-Code Interference Tests** A. Lutfullin, Tatneft; A. Aslanyan, Nafta College; D. Gulyaev, R. Farakhova, Sofoil; L. Zinurov, Polikod
201919	**Neural Network based Material Balance Model** A. Gubanova, D. Orlov, Skolkovo Institute of Science and Technology
201920	**Waterflooding Successes, Challenges in Giant Offshore Reservoirs: Case Studies from GUPCO, Egypt** M. Hussein, Gulf of Suez Petroleum Company (GUPCO)

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Digital Technologies for Oil and Gas Industry

Paper #	Presentation
201937	**Neural Network as a Tool for Predicting and Controlling the Technological Regime of Production Wells** V. Vershinin, R. Ponomarev, Tyumen State University; A. Strekalov, Tyumen Petroleum Research Center
201938	**Building Digital Models of Hydraulic Fracturing Fleet Equipment Operation** A. Mavrina, A. Ivannikov, TatASU; A. Mogila, LeninogorskRemService
201939	**Utilising Machine Learning Methods to Estimate Flowing Bottom-Hole Pressure in Unconventional Gas Condensate Tight Sands Fractured Wells in Saudi Arabia** F. Al Shehri, T. Al Tayyar, M. Arsalan, M. Khalaf, Saudi Aramco
201940	**Using Streaming Machine Learning for Development System Organisation** D. Sun, M. Okunev, Gazpromneft STC
201941	**Digital Rheology of High Viscosity Friction Reducers** E. Inozemtseva, K. Kaprielova, M. Ivanov, D. Kuznetsov, Schlumberger
201942	**A Steady-State Well Flow Model Adaptable on the Field Data for Calculating the Flowing Bottom Hole Pressure** E. Baryshnikov, E. Kanin, A. Osiptsov, A. Vanshtein, E. Burnaev, Skolkovo Institute of Science and Technology; G. Paderin, Gazpromneft STC; A. Prytsakov, S. Ternovenko, Gazpromneft-Khantos
201943	**Machine Learning as a Way of Commitment of Noncommercial Oil Reserves** A. Vanina, V. Palivoda, Slavneft-Megionneftegaz
201944	**New Technology for Inverse Problem Solving of Digital Core Model Construction Using Stochastic Modelling and Particle Swarm Optimisation** P. Markov, MicroModel, PITC Geofizika
201945	**Geosteering based on Integration of LWD, Mud Logging and Drilling Data Using Machine Learning** A. Galkina, T. Yalaev, T. Rakhimov, M. Lisitsyna, Institute of Geology and Fossil Fuels Exploitation

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Static, Dynamic and Integrated Modelling

Paper #	Presentation
201955	**Analysis and Forecasting of Well Production in Heterogeneous Reservoirs based on Field Theory Methods** E. Yudin, A. Roschektaev, N. Smirnov, Gazpromneft STC
201964	**Model Size Reduction by Upscaling of Model Static Parameters' DCT Spectra** K. Bogachev, P. Rabochiy, V. Shelkov, Rock Flow Dynamics
201965	**West Siberia Jurassic Sediments Rock Typing and Digital Models Creating for Reservoir Development Industrial Tasks** A. Blotskaya, Geonaft
201966	**Application of the AICDs and Particularities of Simulation of Such Devices in Various Mining and Geological Conditions of the Vostochno-Messoyakhskoe Field** A. Buzaev, Gazpromneft STC; A. Konopelko, Messoyakhaneftegaz
201967	**An integrated Approach to the Determination of the Transition Zone and Water-Oil Contact in an Inhomogeneous Carbonate Reservoir with Various Facies Environments** N. Metelkina, E. Silaeva, LUKOIL-Engineering
201968	**Field Flow Reservoir Connectivity Prediction and These Data Using in Geological Modelling Process on the Example of Tomsk Region Oilfields** V. Popov, TomskNIPIneft; A. Podnebesnykh, Roxar Services; L. Krasnoschekova, Tomsk Polytechnic University
201969	**Uncertainty Assessment and Impact of the Petrophysical and Geological Parameters on Field Development of a Complex Oil and Gas Condensate Field Using Multivariate Modelling** A. Konoplev, A. Kataev, NOVATEK; A. Frolov, NOVATEK STC
202205	**Geosteering Improvement by Geological Uncertainties Assessment** G. Kazantsev, D. Zunde, K. Chuchalina, I. Nikitina, NOVATEK STC

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Geomechanics

Paper #	Presentation
201983	**Borehole Failures and Stress Regime Identification Challenges in Fractured Carbonates of Boca de Jaruco Field** T. Zhekenov, K. Chettykbaeva, S. German, D. Mylnikov, Yu. Petrakov, A. Sobolev, Geonaft; O. Petrashov, Zarubezhneft; A. Osipov, VNIIneft
201984	**Advanced Method of Controlled Scratching as a Source of Geomechanical Data** K. Toropetskiy, G. Borisov, NovosibirskNIPIneft; M. Samoylov, Rosneft Upstream Peer Review and Technical Development Center; I. Eltsov, IPGG SB RAS

Knowledge Sharing ePoster Session Conceptual Engineering and Re-Engineering

Paper #	Presentation
201991	**Comparative Analysis of Investment Targets in Oil and Gas Upstream on a Regional Level (Evaluation or Identification Stage)** S. Chizhikov, E. Dubovitskaya, Ingenix Group
201992	**The Practical Application of Geosteering Difficulty Index of Wells Throughout the Company** M. Golovchenko, V. Filimonov, K. Kudashov, Rosneft; T. Rakhimov, Institute of Geology and Fossil Fuels Exploitation

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Gas, Gas Condensate and Oil Gas Condensate Field Development

Paper #	Presentation
202007	**Prospective Methods of Production Efficiency Enhacement at Thin Massive Gas Reservoirs** R. Urvantsev, D. Ibragimova, Tyumen Petroleum Research Center
202008	**Instrumental Optical Method for Studying the Near-Critical Phase Behavior of Model and Reservoir Hydrocarbon Systems** V. Podnek, Yu. Kiyachenko, I. Yudin, IOGP RAS; B. Grigoryev, Gazprom VNIIGAZ; A. Sirota, Gazprom
202009	**The Balance Between Oil and Gas Options in Case of J2-6 Oil Rim Development of Novoportovskoye Field** V. Varavva, I. Chameev, E. Bogdanov, E. Sherstoboev, K. Isakov, Gazpromneft STC; A. Shorokhov, Gazpromneft-Development; V. Virt, D. Kashapov, Gazpromneft-Yamal
202010	**Creation and Implementation of New Innovative Approaches to the Formation of a System for the Development of a Large Oil and Gas Condensate Field in the Far North** M. Mavletdinov, S. Solyanov, M. Fattakhov, LUKOIL-Engineering; M. Zipir, A. Devyatkov, Yamalneftegaz
202011	**Liquid Loaded Gas Condensate Revitalisation by Automated Flow Regime Optimisation and Control** V. Baranov, K. Ruban, A. Zozulya, Volga Gas; K. Rymarenko, S. Grischenko, SIANT; M. Nukhaev, Siberian Federal University
202012	**Production Enhancement in Deep Sour Gas Field: a Case Study in China** H. Guo, Schlumberger China S.A.; H. Li, Z. Weng, Schlumberger

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Core Analysis

Paper #	Presentation
202021	**Some Rules to Optimise Process of Planning Geomechanics Core Testing Programme** A. Zinovyev, E. Korelskiy, Geosteering Technologies
202022	**Methods for Studying Two-Phase Flows in Porous Media: Numerical Simulation and Experiments on Microfluidics Chips** M. Khairullin, Ya. Pasechko, VNIIneft; T. Zakirov, Kazan Federal University, Institute of Geology and Petroleum Technologies
202023	**Core Column Filtration Testing Supplemented by Measurements of Oil Optical Properties** R. Burkhanov, I. Ibragimov, Almetyevsk State Oil Institute; A. Lutfullin, Tatneft; A. Maksyutin, TetraSoft-service

Knowledge Sharing ePoster Session Field Geology and Geophysics

Paper #	Presentation
202032	**An Integrated Earth Image Modelling with Purpose of Safe Exploration Drilling** M. Topolyan, R. Golubtsov, Sh. Yang, N. Petrakova, D. Kascheev, Yu. Bayukanskiy, V. Kuzakov, Schlumberger; E. Kireev, S. Shtun, A. Alekseev, LUKOIL-Nizhnevolzhskneft; M. Sibilev, LUKOIL
202033	**Prospects for Resource Base Expanding of the Volga-Ural Oil and Gas Province through Reef-Based Search Objects** E. Sannikov, Izhevsk Petroleum Reserch Center
202034	**Geologically Conditioned Stochastic Inversion of Seismic Data for Reservoir Characterisation in Tyumen Formation** A. Pirogova, Lomonosov MSU; K. Epov, Ruspetro

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Health, Safety and Environment

Paper #	Presentation
202035	**Study of Mechanical Properties and Analysis of the Effect of Low Temperatures on the Behavior of the Structural Material of Elastic Tanks** A. Shiriev, N. Shirieva, LUKOIL-Engineering KogalymNIPIneft
202036	**Psychological Safety of Oil and Gas Workers in the South and North of the Russian Federation** Ya. Korneeva, Northern (Arctic) Federal University; N. Simonova, Lomonosov MSU
202037	**Implementing HSSE Competence Framework – Process, Lessons and Results** O. Samoylova, Salym Petroleum Services B.V.; F. Claessen, Shell Exploration and Production Services Russia
202038	**Development of a Hazard Assessment Matrix for Wells as a Method of Ensuring Industrial Safety in the Design of Construction of Oil and Gas Wells** A. Shiriev, N. Shirieva, LUKOIL-Engineering KogalymNIPIneft
202039	**Identification of SAP Sources in Offshore Production Wells in the North Caspian Oilfields** O. Abramenko, A. Senkov, S. Shtun, M. Rakitin, LUKOIL-Nizhnevolzhskneft

All authors' names, companies' and paper titles are listed as submitted to SPE. The programme is relevant as of May 20, 2020.

Technical Programme

Knowledge Sharing ePoster Session Well Logging

Paper #	Presentation
202045	**Optimal Sampling Technique Creation to Increase Accuracy of Production Logging Using Quantum Dots Tracers** N. Parshin, RITEK
202046	**Automated Horizontal Well Geosteering Using Machine Learning. Examples with Real Data** I. Denisenko, I. Kuvaev, O. Kushmantsev, I. Uvarov, A. Toporov, ROGII
202047	**Integration of Petrophysical Log Data with Computational Intelligence for the Development a Lithology Predictor** M. Khan, Schlumberger
202048	**Expanding the Envelope of Fiber-Optic Sensing for Reservoir Description and Dynamics** A. Al-Qasim, Saudi Aramco

Knowledge Sharing ePoster Session Production Stimulation and Hydraulic Fracturing

Paper #	Presentation
202070	**Advanced Pressure Monitoring Technique – New Horizons of Workover in Russia** A. Borisenko, K. Zotov, S. Parkhonyuk, S. Vereschagin, Schlumberger
202071	**Foamed-Gel Systems for Killing Wells Operating Fractured Formations with Abnormally Low Formation Pressures and High Gas Factor** V. Shaidullin, S. Vakhrushev, N. Magzumov, S. Yanson, RN-BashNIPIneft; I. Akhmerov, Bashneft-Dobycha

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