



OIL ENERGY
THE POWER OF INNOVATION

Session 1. New Methodology in Hydraulic Fracturing: Design, Technologies, Approaches

1. *David Cotrell, Tobias Hoeink, Elijah Odusina, Sachin Ghorpade, Baker Hughes, a GE company*
Quantifying the Probability of Success of Stimulation Treatments When Information is Limited
2. *Tatyana Pospelova, N.Pavlyukov, V.Pavlov, R.Melikov, A.Ptashny, A.Krasnikov, TNNC; M.Samoylov, Rosneft Upstream Peer Review and Technical Development Center*
Optimal Approach for Clustering of Geomechanical Modeling Results in Purpose of Hydraulic Fracturing Planning
3. *Suleyman Sitdikov, K.Baydyukov, A.Kushnikov, Rosneft*
A Comprehensive Method for Quality Evaluation of Chemical Additives for Hydraulic Fracturing
4. *Alexey Yudin, Schlumberger*
Improving Economics of Hard-To-Recover Reserves Development. Case Study of Achimov Formation at Prirazlomnoe Oil Field
5. *Alexander Bochkarev, MIPT Engineering Center*
Dimensionless Parameters for Estimating the Efficiency of Hydraulic Fracturing in the Bazhenov Formation
6. *Schlumberger, Gazprom neft*
High Rate Stimulation as New Way to Achieve Effective Half-Length of Fracture
7. *Semen Kudrya, Samotlorneftegas*
Multistage Hydraulic Fracturing: New Solutions of Old Problems

Session 2. Multistage Hydraulic Fracturing in Russia: from Pilots to Integrated Projects

1. *Ildar Fayzullin, Gazpromneft STC*
Readiness for Development of Hard-to-Recover Deposits - the Image Of Tomorrow's Fracturing Service
2. *A.Vagizov, Y.Islamov, G.Amineva, R.Khisamatov, I.Saygafarov, Bashneft*
Tournai Stage Carbonates Development Efficiency Improvement with Multistage Hydraulic Fracturing on Horizontal Wells, Case Study
3. *Alexander Bochkarev, MIPT Engineering Center*
Cross-Calibration and Cross-Validation of Hydraulic Fracturing Modeling Parameters and Hydrodynamic Model
4. *Mikhail Samoylov, Rosneft Upstream Peer Review and Technical Development Center; Vladimir Astafyev, Alexey Andreev, Halliburton*
Multistage Hydraulic Fracturing Integrated Design: from Simulators to Tools for Field Performance Analysis and Prediction
5. *Askhat Ishangaliev, M.Maskhadov, Schlumberger, A.Korepanov, V.Fedotov, Gazpromneft-Yamal*
Novoportovskoe Oilfield Multistage Stimulation Campaign, Helps to Unlock Oil Rims Potential
6. *Anton Ivanov, NOV Completion Tools*
Re-fracturing Technology in Existing Well Completions by Utilizing Cup-to-Cup Straddle Assembly

Session 3. Models and Software

1. *Alexey Pestrikov, Rosneft*
Corporate Hydraulic Fracturing Simulator: Implementation Current Results and Perspectives for Development
2. *Oleg Borschuk, UfaNIPIneft*
Hydraulic Fracturing Models. Extensions and Limitations
3. *Grigory Paderin, Gazpromneft STC*
Hydraulic Fracturing Design Simulator: from the Functional Concept to Testing and Validation
4. *Artem Erofeev, MIPT Engineering Center*
New Software Tool for Design, Maintenance and Efficiency Analysis of Multi-Stage Fracturing in Reservoirs of Hard-to-Recover Reserves

5. *Andrey Osiptsov, Skoltech*
A More Accurate Prediction of Hydraulic Fracture Geometry Based on the Coupled Solution to the Problem of Fracture Propagation and Proppant Transport
6. *Sergey Golovin, A.Baykin, A.Valov, Hydrodynamics Institute, RAS; E.Dontsov, Houston University; E.Shel, G.Paderin, Gazpromneft STC*
Modelling Approaches for the Development of a Planar Hydraulic Fracture in Poroelastic Medium

Session 4. Hydraulic Fracturing in Extreme Environments

1. *T.Khakimov, A.Bukharov, N.Demyanenko, A.Rodionov, KogalymNIPIneft*
Impact of Azimuth of Hole and Entry Angle on Hydraulic Fracturing Efficiency, Povkhovskoe Field, BV8 Side Tracks Case
2. *Sergey Kondratyev, Ramil Sharaev, PermNIPIneft*
Improving the Efficiency of Hydraulic Fracturing Technologies In Carbonate Reservoirs of Perm Krai, the Komi Republic and the Nenets Autonomous District
3. *Aslanbek Aleroev, Sergey Kondratyev, PermNIPIneft*
Experience in Hydraulic Fracturing In Conditions of Low-Permeability Reservoirs and High Fracturing Pressure In Fields of the Komi Republic and the Nenets Autonomous District
4. *M.Novikov, A.Islamov, Sheshmaoil; A.Gazizov, A.Davletov, V.Mironov, Carbo International*
Evolution of Proppant Hydraulic Fracturing Technology for Carbonate Reservoir: Vereiskian Stage of Sheshmaoil Company's Fields
5. *M.Mukhamteshin, Bashneft Dobycha, V.Bildanov, Rosneft Upstream Peer Review and Technical Development Center*
Acid-Proppant Hydraulic Fracturing. Step Forward
6. *Ildar Fayzullin, Maksim Pichugin, Ruslan Gaynetdinov, Gazpromneft STC*
Implementation Efficiency of Multistage Acid-Proppant Fracturing in Carbonate Reservoirs of Gazprom Neft

Session 5. Hydraulic Fracturing and Related Projects

1. *Oleg Salimov, UfaNIPIneft*
Geophysical Methods' Curves Adjustment For Hydraulic Fracturing Geomechanical Model Development
2. *Valery Pavlov, T.Pospelova, R.Melikov, N.Pavlyukov, A.Ptashy, A.Krasnikov, TNNC; A.Prokhorov, Rosneft Upstream Peer Review and Technical Development Center*
Special Research and Geomechanical Modelling for Hydraulic Fracturing Optimization and Complex Reservoir Field Development Planning
3. *Alik Kasimov, PetroGeoScan*
Fractures' Spatial Characteristics Based on Record Of Near-Wellbore Stress and Strain State Changes Inherent in Hydraulic Fracture Initiation
4. *Mikhail Salishev, I.Sishmanidi, V.Kuznetsov, Gazpromneft STC*
Completion in Bazhenov Formation: Efficiency Based on Superficial and Downhole Microseismic Monitoring
5. *Arslan Nasibullin, Almet'yevsk state oil institute*
First in Russia Master's Programme on Hydraulic Fracturing: Current Results and Future Development

Poster Session

1. *Artur Tkachenko, N.Pavlov, V.Vorontsov, Geologika*
Hydraulic Fracturing Materials and Supplies Quality Control
2. *I.Vershinina, M.Kandakova, E.Bazhenova, KogalymNIPIneft*
Permeability of Reservoir Rock Matrix Adjustment to Natural Fracture and Drilling Induced Fractures under Hydrodynamic Simulation
3. *Konstantin Brikner, GeoSplit*
Quantum Dots Marked Proppant. Lab Tests, Field Implementation
4. *Vyacheslav Nikitin, L. Yunusova, A.Fomin, Mirrico*
Use of a Water-Soluble Fiber in Fracturing Fluids With Low Loading Guar Gum

5. *Albert Vainshtein, **Skoltech***
What Could we Machine-Learn from Field Data to Optimize the Design of Hydraulic Fracturing?
6. *Andrey Rymarenko, **Gazpromneft-Angara**; Alexey Kovalevsky, **Schlumberger***
Complex Stimulation Approach to Boost Eastern Siberia Oil Production
7. *Ilya Doktorenko, **Sakhalin Energy***
Sakhalin-2, Lunscoe-Alfa
8. *Lyubov Kalvan, A.Mitin, **Weatherford***
Downhole Microseismic Monitoring of Hydraulic Fracturing in Horizontal Wells in Real Time
9. *Ksenia Medvedeva, **Gazpromneft STC***
Comparison of Various Methods of Numerical and Analytical Modeling of Inflow to The Well with Multistage Hydraulic Fracturing
10. *T.Sinitsyna, R.Gafarov, **TNNC***
Interdisciplinary Approach to Well Interventions Candidates Selection, Talinskiy Licensed Area Case, Krasnoleninskoe Oil-Gas Condensate Field
11. *Vasily Ryzhov, **Gradient***
Microseismic Investigations Capabilities for Design of Horizontal Wellbore and Multistage Hydraulic Fracturing for Tatneft
12. *Mikhail Pustovalov, Mikhail Ryabov, **Oil Energy***
Inhouse Development Experience of The Multistage Frac Completion System
13. *V. Vorontsov, A.Tkachenko, N.Pavlov, **Geologika***
Lab Test of Resin Coated Proppant And Impact of Obtained Data to Hydraulic Fracturing Design
14. *Almaz Sadretdinov, M.Samoylov, **Rosneft Upstream Peer Review and Technical Development Center**; R.Musin, **Nyaganneftegaz***
Multistage Hydraulic Fracturing on Talinskoe Field