



Fishbones SPE, IPTC and other published technical papers

- **SPE-212668-MS** Application of Simulation Opportunity Index and Assisted History Matching for Fishbone Completion Strategy in the Existing Single Horizontal Well in Tight Gas Carbonate Reservoir, Bondan Bernadi, Hajar Ali Abdulla Al Shehhi, Sara Saleh Abdulla Abdulla Al Ameri, Fatima Omar Alawadhi, Mariam Ahmed Al Hosani, Ahmed Mohamed Al Bairaqa, Maksim Kuzevanov, Konstantin Shelepov, ADNOC, Paper presented at the SPE Reservoir Characterisation and Simulation Conference and Exhibition, January 24–26, 2023
- **SPE-212662-MS** Improved Reservoir Characterization of Tight Carbonate Rocks using Multiple High-Resolution Logging While Drilling Technologies for Completion and Stimulation Optimization with Fishbone Technologies; A Case Study from Offshore Abu Dhabi, Sundos Al Abed, Hocine Khemissa, Susumu Kurokawa, Ahmet Aki, Wael Fares, Muhammed Mubeen, ADNOC, Wissam Chehabi, Fishbones AS, Paper presented at the SPE Reservoir Characterisation and Simulation Conference and Exhibition, January 24–26, 2023
- **SPE-209953-MS** World's First Installation of a Revolutionary Multi-Zone Stimulation Technique in Conglomerate Formation, Unlocking Reserves and Proving Significant Productivity Increase; Tore Flikka and Arne Eek, Lundin Energy Norway AS; Kristian Solhaug and Thomas Jørgensen, Fishbones AS, *presented at the 2022 SPE Annual Technical Conference and Exhibition held in Houston, Texas, USA, 3 - 5 October 2022.*
- **International Journal of Petroleum Technology:** A Novel Approach by Needles in the Payzone of Heterogeneous Tight Carbonate: A Case Study for Offshore Marginal Field; Rong Li, Hao Gong, Mohamed K. Al-Shamsi, Peizhen Feng, Mohamed Lotfy Elbaramawi, Ahmed Al-Neaimi, Helal Al-Menhali, Wissam Chehabi, Wael Abdelhamed, Sultan Loobari, Ahmed Ziad Ali and Ahmad Fayyad Obeid
- **IPTC-21959-MS:** Multi-lateral jetting technology results in a 150% uplift in production during a second offshore application in Abu Dhabi Offshore Field; Salman Farhan Nofal and Fazeel Ahmad, ADNOC Offshore; Dr. Ahmad Shmakhy, ADNOC RnD; Zohaib Ghouse Channa, Arlen Bolat Sarsekov, Yassar Goraya Inayat, Sundos Ibrahim Alabed, Manal I. Albeshr, and Ahmed Mohammed Al Seiri, ADNOC Offshore; Wissam Chehabi, Thomas Jørgensen, Kirstian Solhaug, Rob Gill, and Viljoen Duvenhage, Fishbones *Presented at the International Petroleum Technology Conference, Riyadh, 21-23 February 2022*
- **IPTC-21384-MS:** Appraising the Development Potential of Ekofisk Over Tor Formation in the Halfdan Field, using a Multi-Disciplinary Approach to Well



Planning and Applying Advances in Technology to Enhance Well Placement, Completion, Productivity and Recovery. Anton Andreev, Total E&P; Michael Pitts, OPECS; Andrew Hoover, Eyad Mohamed Elhassan, Felix Sebastian Bexkens, Sudipto Datta, Amit Singh, Espen Lund, and Luis Panos Gomez, Total E&P *Paper presented at the International Petroleum Technology Conference, March 23–April 1, 2021*

- **SPE-205417-MS:** North Sea Horizontal Well with Multi-Zone Completion Sets World Record Using Acid Jetting Technology Barry Ritchie; Eyad Mohamed Elhassan; Thomas Jørgensen; Kristian Solhaug *Paper presented at the SPE Offshore Europe Conference & Exhibition, Virtual, September 2021.*
- **SPE-203086-MS:** First Successful Fishbone Stimulation Completion in Onshore Oil Field in the United Arab Emirates. Fernando Quintero; Noor Talib; Alvaro Jimenez; Wissam Chehabi; Subba Ramarao; Mouza Ali Al Nuami; Mazin Al Reyami; Cankat Hapa; Edward Rodriguez *Paper presented at the Abu Dhabi International Petroleum Exhibition & Conference, Abu Dhabi, UAE, November 2020.*
- **SPE-202636:** Fishbone Stimulation a Game Changer for Tight Carbonate Productivity Enhancement, Case Study of First Successful Implementation at Adnoc Onshore Fields. R. V. Rachapudi; S. S. Al-Jaberi; M.. Al Hashemi; S.. Punnapala; S. S. Alshehhi; N.. Talib; A. F. Loayza; S.. Al Nuimi; A.. Elbekshi; F.. Quintero; T.. Yuliyanto; A. Bin Abd Rashid; F. Omar Alkatheeri; Daniel Gutierrez; W.. Chehabi; Ali Ba Hussain *Paper presented at the Abu Dhabi International Petroleum Exhibition & Conference, Abu Dhabi, UAE, November 2020.*
- **SPE-197478-MS:** First Retrievable Application of Lower Completion Stimulation Technology Sultan Almaawali; Kamlesh Kumar; Zaini Awang; Viljoen Duvenhage *Paper presented at the Abu Dhabi International Petroleum Exhibition & Conference, Abu Dhabi, UAE, November 2019*
- **SPE-195620-MS:** World First Simultaneous Jetting of 72 Laterals with Solids Control - Technology Development and Field Trial. Fabian Bjørnseth; Tron Golder Kristiansen; Roar Flatebø; Trond Reinertsen; Yann Caline; Ragnhild Østensen; Daniel Tomczak; Kristian Solhaug; Maximilian Leinenbach; Thomas Jørgensen *Paper presented at the SPE Norway One Day Seminar, Bergen, Norway, May 2019.*
- **SPE-180390-MS:** First Installation of Multilateral Drilling Stimulation Technology in Tight Sandstone Formation. S. Torvund, K. Stene, and H. Jensaas, Statoil ASA; E. Renli, J. K. Rice, and T. Jorgensen, Fishbones AS *Paper presented at the SPE Western Regional Meeting, Anchorage, Alaska, USA, May 2016.*



- **SPE-174035-MS:** Technology Qualification and Installation Plan of Efficient and Accurate Multilaterals Drilling Stimulation Technology for Sandstone Oil Application; Kevin Rice, Thomas Jørgensen, and Kristian Solhaug, Fishbones; *Presented at the SPE Western Regional Meeting held in Garden Grove, California, USA, 27–30 April 2015*
- **SPE-171804-MS:** First Installation of Efficient and Accurate Multilaterals Stimulation Technology in Carbonate Reservoir. Kevin Rice; Thomas Jorgensen; Jeremy Waters *Paper presented at the Abu Dhabi International Petroleum Exhibition and Conference, Abu Dhabi, UAE, November 2014.*
- **SPE 171021-MS:** First Installation of Efficient and Accurate Multilaterals Stimulation Technology in Carbonate Oil Application. Kevin Rice; Thomas Jorgensen; Jeremy Waters *Paper presented at the SPE Eastern Regional Meeting, Charleston, WV, USA, October 2014.*
- **SPE 143381:** Laterals Stimulation Method. R. Freyer, Fishbones; J. R. Shaoul, StrataGen Delft. *Paper presented at the Brasil Offshore, Macaé, Brazil, June 2011*
- **SPE 121814:** Multilateral System Allowing 100 Level 5 Laterals Drilled Simultaneously. Rune Freyer, Acid Needle; Tron Kristiansen, BP Norge; Merete Vadla Madland, Edvard Omdal and Øyvind Omdal, University of Stavanger. *Paper presented at the 8th European Formation Damage Conference, Scheveningen, The Netherlands, May 2009*