A CASE STUDY OF VERKHNECHONSKOYE FIELD: THEORY AND PRACTICE OF EASTERN SIBERIA COMPLEX RESERVOIRS DEVELOPMENT

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ALEXANDER TIMCHUK started his career in 1986, and for already 30 years he works in profession. Over the years he has gained experience in field development in different regions of Russia, modeling of development processes, preparation of well intervention and EOR programs, as well as in project management, interaction of subsoil users with design, research and state institutes.

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Abstract
At present, a number of large greenfield deposits are being developed in Eastern Siberia, Russia, one of which is Verkhnechonskoye oil and gas condensate field.

The report describes the evolution of reservoir engineering solutions, starting with the first steps in defining a development system based on pilot well operation, till full-field development, addressing new challenges in operating the wells in low-temperature reservoirs and maintaining the production plateau through new development approaches for zones with poor reservoir properties and under-gas-cap zones.

For the first time in domestic oil and gas production on a regional scale, geologists have faced with a highly mineralized sequence where the pore space of productive horizons can be completely filled with salt. The paper pays special attention to the experience of modeling the displacement processes in a saline reservoir, as well as risk management in making decisions on saline reservoirs development.

ResView

ResView is a fully integrated software suite for reservoir asset analysis and production optimization. It provides tools for working with field and simulation data. ResView is a useful software specially for oil and gas production departments.

INTEGRATED MODELING AND OIL-GAS ASSETS EVALUATION UNDER UNCERTAINTY, VISION, TECHNOLOGICAL CAPABILITIES, AND CHALLENGES

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EDER LIZCANO is currently the Vice President of Reservoir Development for BP Oman. He is responsible for managing all the subsurface activity related to the Khazzan project and Block 61 in Oman. This includes all aspects of Reservoir Management, New Well Delivery and Production management and optimization of the unconventional gas resources in the block.

Prior to moving to the Middle East in 2014, Eder was working as the Production Engineering Manager for VICIO Indonesia (a former JV company between BP & ENI) being responsible for managing the gas resources, wells and production in the Sanga Sanga area in East Kalimantan, Indonesia.

Before Indonesia, Eder held several Technical and Managerial positions in BP in different parts of the world, including Colombia, Azerbaijan and Canada, where he was the Production Engineering Manager for some of the unconventional gas fields in North West Alberta and British Columbia.

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Abstract
The Khazzan tight-gas field Project, for BP Oman, demonstrates the classical requirements for Field Development Plan flexibility that are typical of these large hydraulic fracturing dominated Projects. With Appraisal beginning in 2008, BP sanction in 2013 and first gas in 2017 the one constant has been continuous learning and improvement, with the current FDP having adapted substantially from original concepts. All changes in support of improved delivery and efficiencies.

Integrated Modeling and Oil-Gas Assets Evaluation under Uncertainty, Vision, Technological Capabilities, and Challenges