

Документ подписан простой электронной подписью

Информация о владельце:

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Должность: И.о. декана факультета нефтегазового инженерия

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Annotations to the work programs of disciplines (modules)

Name of the discipline	Исследование скважин и пластов / Well testing
Summary	Methods and technologies of field-geological control; Conditions for the use of hydrodynamic studies of wells and reservoirs; Hydrodynamic parameters of reservoirs and wells; Hydrodynamic research methods; Well surveys under steady-state operating conditions; Research of wells at unsteady operating modes (with removal of pressure recovery curves at the bottom hole); Instruments and equipment for hydrodynamic studies of wells; Well test design; Modern state of the art and technology for determining the gas condensate characteristics of a deposit; Approximate methods for obtaining condensation isotherms; Studying the influence of gas-hydrodynamic processes of fission, accumulation and partial removal of particles in the zone of the condensate reservoir, as a result of creating drawdown on the reservoir.
The results of mastering the discipline (module)	Ability to perform work on the design of technological processes of soil and gas production in accordance with the chosen field of professional activity. Able to analyze and generalize the experience of developing technical and technological projects, use standard software in the design of production and technological processes in the oil and gas industry.
Labor intensity, cp	3
Reporting Forms	Grading test, 6 semestr
List of basic and additional literature necessary for mastering the discipline	
Main literature	Alekina, E. V.; Well Investigation : A Training Manual for Special Education / E. V. Alekina, L. N. Balandin, I. L. Balandin. - Research of wells, 2031-04-19. - Electron. Dan. (1 file). - Saratov: Vocational education, 2021. - 70 p. - electronic. - The book is in the premium version of EBS IPR BOOKS. - ISBN 978-5-4488-1223-1 Study of indicators of two-phase filtration in the reservoir-well system: guidelines for laboratory work / comp. V. A. Olkhovskaya. - Study of two-phase filtration performance in the reservoir-well system, 2026-09-20. - Electron. Dan. (1 file). - Samara: Samara State Technical University, EBS DIA, 2020. - 73 p. - electronic. - The book is in the premium version of EBS IPR BOOKS. - ISBN 2227-8397 Nedolivko, N. M. Research of core oil and gas wells Electronic resource / Nedolivko N. M. - 2nd ed., revised and additional. - Tomsk: TPU, 2018. - 137 p. - Recommended by the Editorial and Publishing Council of Tomsk Polytechnic University.
Additional literature	Textbook (course of lectures) on the discipline "Gas-hydrodynamic studies of reservoirs": for students of the specialty 21.05.06 "Oil and gas equipment and technologies"; Focus (profile) "Development and operation of oil and gas fields"). - Stavropol, 2018. - 71 p. Textbook (workshop) on the discipline "Gas-hydrodynamic studies of reservoirs": for students of the specialty 21.05.06 "Oil and gas equipment and technologies"; Focus (profile) "Development and operation of oil and gas fields") - Stavropol, 2018. - 33 p. Guidelines for students on organizing and conducting independent work in the discipline "Gas-hydrodynamic studies of reservoirs": for students of the specialty 21.05.06 "Oil and gas equipment and technologies"; Focus (profile) "Development and operation of oil and gas fields") - Stavropol, 2018. - 11 p.