



**K.Turysov Institute of Geology and Oil and Gas Engineering
Department of Petroleum Engineering**

**EDUCATIONAL PROGRAM
6B07223 Drilling of wells for solid minerals and water**

Code and classification of the field of education: 6B07 Engineering, manufacturing and construction industries

Code and classification of training areas: 6B072 Industrial and manufacturing branches

Group of educational programs: B071 Mining and mineral extraction

Level based on NQF: 6

Level based on IQF: 6

Study period: 4

Amount of credits: 240

Almaty 2025

NON-PROFIT JOINT STOCK COMPANY

"KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV"






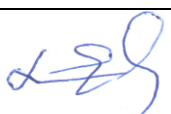

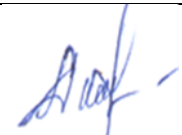
The educational program 6B07223 Drilling of wells for solid minerals and water was approved at the meeting of the Scientific Council of KazNITU named after K.I.Satpayev.

Protocol №17 from «18» 06.2025 y.



Reviewed and recommended for approval at a meeting of the Educational and Methodological Council of Kazntu named after K.I.Satpayev.

Protocol №7 from «10» 06.2025 y.

The educational program 6B07223 Drilling of wells for solid minerals and water was developed by the academic committee in the direction of 6B072 «Industrial and manufacturing branches»

Last name, First name	Academic degree/ academic title	Post	Place of work	Signature
Teaching staff:				
Ratov Boranbai Tovbasarovich	Doctor of Technical Sciences	Head of the Department of Geophysics and Seismology, Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Abetov Auez Egemberdievich	Doctor of Geological and Mineralogical Sciences	Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Umirova Gulzada Kubashevna	Doctor of PhD	Associate Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Togizov Kuanysh Serikkhanovich	Doctor of PhD	Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Aliakbar Madiyar Manarbekuly	Master of Technical Sciences	Senior Lecturer	Kazakh National Research Technical University named after K.I.Satpayev	
Employers:				
Khitrov Dmitry Mikhailovich	Candidate of Technical Sciences	Manager of the company's data processing center	PGS Kazakhstan LLP	
Kurmanov Baurzhan	Master of Technical Sciences	Director	Optimum Scientific Research Institute	
Students				
Muzapparova Akerke Bakbergenovna	Master of Technical Sciences	1st year doctoral student	Kazakh National Research Technical University named after K.I.Satpayev	

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Daurbayeva Gulbanu Khamitovna	Master of Technical Sciences	1st year doctoral student	Kazakh National Research Technical University named after K.I.Satpayev	
Kirsanova Ekaterina		1st year Master's student	Kazakh National Research Technical University named after K.I.Satpayev	

General information

№	Field name	Note
1	Code and classification of the field of education	6B072 Engineering, manufacturing and construction industries
2	Code and classification of training areas	6B072 Industrial and manufacturing branches
3	Educational program group	B071 Mining and mineral extraction
4	Educational program name	6B07223 Drilling of wells for solid minerals and water
5	Short description of educational program	It is intended for implementation of profile training of bachelors in the educational program “Drilling of wells for solid minerals and water” Satbayev University. The educational program prepares highly qualified specialists capable of working effectively in various industries where well drilling is required. The program provides fundamental knowledge in geology, physics and engineering, as well as practical skills in working with modern drilling equipment and technologies. Graduates of the program will be ready for independent work at drilling sites, service companies and research organizations.
6	Purpose of (EP)	To train highly qualified specialists with deep theoretical knowledge and practical skills necessary for design, management and leadership in the development of modern drilling technologies, methods of geological research and data analysis to develop strategies for the search for and evaluation of mineral deposits and groundwater based on the principles of labor safety, rational use of natural resources, compliance with environmental standards and support for sustainable development, taking into account inclusion and gender equality
7	Type of EP	New
8	The level based on NQF	6
9	The level based on IQF	6
10	Distinctive features of EP	no
11	Education form	full - time
12	Period of training	4 years
13	Amount of credits	240
14	Languages of instruction	Kazakh, russian, english
15	Academic degree awarded	Bachelor of Engineering and Technology
16	Developer(s) and authors	Ratov B.T., Muratova S.K., Smashov N.Zh., Omirzakova E.Zh., Arshidinova M.T.