

Mining – Oil Exploitation

1. World reserves, history and importance of oil and gas exploitation
2. Geohydrodynamic systems, basic physical and chemical parameters of oil and gas
3. Extractability of oil and gas deposits, types of production regimes, production methods
4. Stages of exploration and production, calculation of reserves and lifetime of oil and gas deposits
5. Completion of production wells, submersible pumps
6. Equipment for gathering, processing and transporting oil and gas, pipelines and related fittings
7. Unconventional resources of oil and gas
8. Effects of exploration and production of oil and gas deposits on the environment
9. Petrophysical properties of the reservoir complex
10. Measurement of petrophysical properties
11. Correlations of petrophysical properties
12. Hydraulic flow units for reservoir characterization