PROFESSIONAL PROFILE

Artur Zhabyak

Oil & Gas Production Analyst

I analyze producing and injection wells, forecast production and build tools for field engineering calculations.

Novosibirsk, Russia **Email** **Telegram** **Portfolio**



Work experience

INK Group · Geology specialist · Since May 2024

Production Enhancement Department.

Well surveillance and intervention screening

Combined well operating records, production measurements, workovers, starts and shut-ins. Added data validation and ranked wells by persistent productivity changes to screen intervention candidates.

Production forecasting and variance analysis

Built a daily production calculation that accounts for decline, workovers and ramp-up. Investigated deviations from plan by well contribution, changes in active well count and job timing.

Intervention selection and evaluation

Screened wells for near-wellbore and other stimulation treatments. Compared pre- and post-job indicators and submitted candidates for planning. Evaluated intervention options for inactive wells and prepared sidetrack justifications.

Production and injection data

Improved a consolidated inventory for producing and injection wells. Cross-checked injection, injectivity and pressures. Built a Python utility for validating well-test reports, maintaining histories and tracking coverage.

Gazprom Neft Science & Technology Center · August 2024

Prepared geological and geophysical data for interpretation and modeling in Petrel and QGIS.

BurService (ex-Halliburton Russia) · July to September 2023

Tested proposed cement blends and assisted in preparing well cementing designs.

PRODUCTION ANALYTICS

Production engineering cases

Well surveillance, production scenarios and post-treatment evaluation.

Well Surveillance

Objective. Bring well histories together and let engineers trace field-level deviations to individual wells.

Contribution. Integrated operating records, well tests and events. Built checks for operating data, persistent-trend analysis, well rankings and individual profiles.

Application. Used for operating-data checks and preliminary intervention screening.

Read the case study

Daily Production Forecasting

Objective. Assess how decline, workovers and ramp-up schedules change daily production.

Contribution. Built input checks, decline estimates and post-job response curves. Added scenario comparison, traceable inputs and Excel export.

Validation. Release 0.5.6 passed 200 automated tests. Accuracy against subsequent production still requires a time-based backtest.

Read the case study

Near-wellbore treatment evaluation

Objective. Assess well performance after treatment.

Contribution. Maintained treatment records, compared pre- and post-job indicators by well and group, checked source data and used economic indicators in the evaluation.

Application. Prepared and submitted treatment candidates for planning.

GEOLOGY, EDUCATION AND AWARDS

Reservoir modeling in Petrel

Master's research on the carbonate reservoir of the Sukhotungussky Ridge.

10 wells · 6 seismic lines · 211 km

Refined well-log correlation, interpreted seismic profiles and built a 3D carbonate reservoir model. Logs and tests supported separate gas–water contacts for two structures. The combined model estimate was 1.13 billion m^3 gas initially in place (GIIP).

Read the Petrel case study **Read the research summary**

Education and qualifications

Novosibirsk State University · MSc in Geology · 2024–2026

Petroleum Systems Modeling. Professional development in field development and reservoir processes, and in petroleum geomechanics.

English C2 · EF SET 89/100

Conferences and awards

2025 · Best Practice award

9th INK Scientific and Technical Conference. Presentation on improving the injection profile.

2024 · Special Jury Prize

13th Young Professionals Technical Conference, Gazprom Neft Science & Technology Center. Geological Exploration section.

Tools Python · Excel · Petrel · QGIS