

ABOUT US

Gaussian Wellworks is a top-tier petroleum engineering advisory firm delivering the world's first fully physics-based, instantaneous well performance forecasting and reservoir evaluation technology.

Founded in January 2026, the company combines advanced reservoir engineering with modern analytical tools to deliver high-confidence forecasting and asset evaluation solutions.

WHO WE SERVE

We serve independent operators, major energy companies, national oil companies, and institutional stakeholders worldwide seeking:

- Faster, more reliable forecasting and development decisions.
- Technically defensible evaluations for planning, reserves, and portfolio review.
- Consistent, audit-ready engineering work products.

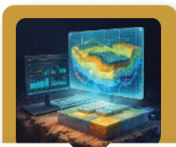
WHAT WE DO

We provide advanced petroleum engineering services designed for both pre-drilling and post-drilling applications, including:

- Digital reservoir twins.
- Fracture diagnostics and optimization.
- Production optimization.
- Reserves estimation and independent certification.
- Carbon storage capacity and plume advance evaluation.
- Economic appraisal and full-field development planning.

OUR COMMITMENT

We engineer certainty across the entire reservoir lifecycle - from subsurface characterization to economic decision-making.

					
MODELING DIGITAL RESERVOIR	DIAGNOSTICS FRACTURE DIAGNOSTICS	OPTIMIZATION PRODUCTION OPTIMIZATION	RESERVES RESERVES ESTIMATION	STORAGE CARBON STORAGE CAPACITY	ECONOMICS ECONOMIC APPRAISAL
Create a probabilistic physics-based digital twin of the reservoir to quantify uncertainty and support risk-informed development	Characterize fracture geometry before and after drilling to optimize stimulation design and improve production performance.	Combine predictive fracture engineering and probabilistic forecasting to maximize recovery, stabilize production, and reduce operating costs.	Deliver statistically rigorous reserves evaluations and independent certifications aligned with global reporting standards.	Quantify CO ₂ storage capacity and predicts plume migration to support regulatory approvals and secure long-term carbon containment.	Provides integrated development planning and probabilistic economic evaluation to guide capital allocation and maximize asset value.

OUR ADVISORY & EXPERTISE

Our engineering team brings expertise across modern oil and gas operations, including:

- Reservoir engineering.
- Production forecasting.
- Pressure transient analysis.
- Fracture diagnostics.
- Petroleum economics.
- Reserve evaluations.

This multidisciplinary capability allows us to deliver **integrated technical insight from reservoir physics to economic decision-making**.

OUR MISSION

To deliver decision-grade petroleum engineering solutions that reduce uncertainty, improve the quality of development decisions, and help clients defend value in technical, financial, and regulatory settings.

OUR VISION

To set a higher standard for production forecasting and asset evaluation by replacing assumption-heavy workflows with physics-based methods that are faster, more transparent, and more dependable.

WHY GAUSSIAN WELLWORKS MATTERS

Clients do not need more dashboards or more curve fits. They need answers they can use - in boardrooms, reserves reports, development reviews, transactions, and regulatory submissions. *That is the role Gaussian Wellworks is built to play.*