

# Juan Ignacio Sivori Valencia

*PETROLEUM ENGINEER*

*DATA MANAGEMENT PROFESSIONAL*



## Personal Information

**Email:** juan\_ignacio\_sivori@yahoo.com.ar

**Phone:** +33669736862

**LinkedIn:** linkedin.com/in/juan-ignacio-sivori

**Nationality:** Spain and Argentina

**Location:** Norway

## Profile

**Semi-senior petroleum engineer and certified data management professional transitioning into data roles in the energy industry.** Implemented digital solutions in the oil and gas industry that improved productivity and decision-making. Recipient of two international awards for innovation in energy-related competitions. Seeking to leverage my expertise in petroleum engineering and data management to drive innovation and solve engineering challenges through data and digital technologies. **Based in Oslo and available to move to Stavanger.**

## Achievements

- Reduced well completion costs by 100kUSD by implementing an ML model for fluid detection.
- Reduced production allocation time by 50% by automating the production allocation system.

## Education and Certifications

**2024: Certified Data Management Professional by DAMA International** (<https://cdmp.info>)

Main topics: Data Governance, Master and Reference Data Management, Data Modelling and Design, Data Quality, Data Warehousing and Business Intelligence, Metadata Management.

**2024 - 2025: Advanced Master in "Geo Data Management for Energy Mix" at IFP School, France**

Relevant coursework: data management methods, project management, data analytics and machine learning, information technology and services, energy and environment data and techniques, georeferenced data and geomatics. Sponsored by Equinor.

**2017 - 2021: BSc. and MSc Degree in "Petroleum Engineering" at ITBA, Argentina**

Relevant coursework: reservoir engineering, production engineering, drilling, completions, petrophysics, well logging, carbon management, project economic evaluation. Sponsored by Chevron, SPE Argentina, and Pan American Energy throughout the entire degree.

## Work Experience

### **Apr 2025 - Sep 2025: Thesis at Data Science and Analytics team at Equinor, Stavanger, Norway**

Analysed the feasibility of implementing Microsoft Fabric within non-data-professional teams. Developed notebooks using Python and PySpark, designed lakehouses, pipelines, dataflows, and dashboards. Produced documentation outlining risks, costs, opportunities, and limitations of the tool. Worked with petrophysics databases.

### **Sep 2023 - Jul 2024: Field Engineer at Pan American Energy, Comodoro Rivadavia, Argentina**

Monitored five waterflooding projects (150 wells). Optimized oil production for sucker rod and ESP wells. Conducted failure analysis and proposed pulling and workovers along with ALS design. Provided technical support and did weekly field visits.

### **Jun 2021 - Aug 2023: Reservoir & Production Engineer at FDC, Buenos Aires, Argentina**

Evaluated newly acquired assets in Argentina and Chile. Led ALS selection and pipeline network design. Interpreted well logs to define opportunities in inactive wells. Applied machine learning for reservoir fluid identification using well log data. Analysed non-conventional data for forecasting and benchmarking. Trained in Kappa Workstation (Saphir, Topaze, Emeraude).

### **Jan 2021 - Feb 2022: Data Science Consultant, Independent/Remasa, Buenos Aires, Argentina**

Sold the SPE-DUPTS algorithm (below) to Remasa and then provided consultancy services for them to implement it.

## Hard Skills

*Data Management:* Python, SQL, data quality, data science, data integration and interoperability (ETL), data modelling, warehousing, data governance, PostgreSQL.

*Oil and gas:* reservoir engineering, production engineering, petrophysics, well logging, Saphir, Topaze, Carbone, Prosper, MBAL, GAP, Pipesim.

## Soft Skills

Analytical thinking, adaptability, teamwork, innovation, effective presentations, consulting. Thrive in collaborative environments and simplifying complex ideas.

## Honours and Awards

### **4th Place - SPE Geothermal Datathon 2023 (SPE and US Department of Energy)**

Recognized for the most out-of-the-box solution by identifying 3D fracture planes from micro seismic data and optimizing well placement using machine learning for a new geothermal energy project.

### **3rd Place – SPE-DUPTS Students Competition 2021 (Society of Petroleum Engineers)**

Enhanced real-time drilling decision-making by detecting and correcting anomalous measurements from rig sensors through a physics-informed machine learning algorithm.

## Languages

Spanish (native), English (C1), Norwegian (learning).