

# LEV VAGANOV

1988 (36 y.o.)

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**OBJECTIVE:** Position of Head of Field Development / Reservoir Engineering Department / Subsurface Manager.

## PROFESSIONAL EXPERIENCE

**16** years in reservoir engineering and field development planning

**8** years of professional experience in mid-level management (up to 25 employees)

### 2021-pr. LUKOIL Upstream Congo (Republic of Congo, Marine XII asset) Geology and Field Development Manager

- Responsible for field development, weekly production reports, production budget planning (short-term, mid-term).
- Responsible for interaction with relevant departments of the Marine XII Operator (Eni Congo), expertise of materials provided by the Operator including reservoir models, field development strategy and production budget, new wells and sidetracks proposals.
- Provided communication with departments of LUKOIL-Engineering and IOCC LUKOIL regarding reservoir engineering, PRMS reservoir evaluation, field development strategy, and production forecast.
- Directed the field development optimization proposals for oil and gas formations, including feasibility study of different wells construction and placement scenarios, reservoir pressure maintenance options.

### 2007-2021 – LUKOIL-Engineering Branch, Tyumen (Russia):

#### 2019-2021 – Head of Reservoir Engineering Department (Uray region):

- Managed a range of engineering tasks, including production forecasting, waterflooding management programme, enhanced oil recovery programme, reservoir study programme, well placement optimization
- Successfully managed field development planning for 14 oil and gas fields, involving coordination across multiple disciplines (reservoir, geology, petrophysics, drilling, operations and facilities)
- Gained an experience and certification in expert assessment of field development plans
- Arranged a regular team training (time management, advanced MS Excel, etc.) and team building events

### 2015-2018 – Head of Reservoir Engineering Dept. (Kogalym region):

- Gained an experience in project management and multi-disciplinary team coordination during an Integrated Project on Vatyeganskoye Field and field development planning of Kogalym region fields
- Developed an automation of full-life production forecasting using programming, decline curve analysis and Microsoft Excel, that have



## EDUCATION

### PhD DEGREE

Candidate of Engineering Sciences in Oil and Gas Fields Development and Operation, TIU

### SPECIALIST DEGREE

Oil and Gas Fields Development and Operation, TIU

### RETRAINING PROGRAMME

Economics and Management in the Oil and Gas Industry, Russian State University of Oil and Gas

### MBA (2023 – present)

Aberdeen Business School (UK),  
MBA in Oil and Gas Management

## LANGUAGES

### ENGLISH

- Level – C1 (Advanced)
- Course “Translation in professional communications (Oil and gas industry)”
- Prize at the international conference East Meets West 2013, Poland

### FRENCH

- Level – B1 (Intermédiaire)

## TRAININGS

- **2022** – Data Analytics (Google)
- **2020** - Intelligent Field (MIOGB)
- **2019** - Expert in Subsoil Use (EUES, SPSU)
- **2015** - Management of Integrated Projects in Oil&Gas Industry (MIOGB)
- **2015** - Waterflood Management (SPE Workshop)
- **2012** - Basics of WAG Methods Implementation (PETEC)
- **2010** - 3D Geologic & Hydrodynamic Modeling (ROXAR)

helped develop large-scale field development plan (Vatyoganskoe field, 29 formations, >4000 wells) in short time

- Motivated and mentored young engineers in development of personal engineering researches and technical presentations for annual conferences and contests, our team won several prizes

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### **2013-2015 – Reservoir Engineering Team Lead:**

- Delivered a waterflooding management, production forecasting, reservoir analysis, reserves evaluation, decline curve analysis, material balance, pressure transient analysis
- Developed programs for production optimization, well interventions and enhanced oil recovery methods implementation
- Delivered analysis and field development planning for Yuzhno-Vuyntoyskoye (3 formations, >50 wells) and Tevlinsko-Russkinskoye (20 formations, >3000 wells) fields
- Developed a new methodology for waterflooding efficiency evaluation and calculation of recommended injection rates for injection patterns. It was implemented in a corporate software package

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### **2007-2012 – Reservoir Engineer / Sr. Reservoir Engineer**

- Participated in Kogalym region fields development planning, preparing materials for the State Commission for Reserves, and planning production in the medium and long term

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## **AREAS OF EXPERTISE**

### **RESERVOIR ENGINEERING**

Analysis of field and well performance, implementation of project decisions, well operation efficiency, energy state, review of reservoir pressure maintenance system and waterflooding efficiency, oil recovery rate, reserves estimation, depletion planning, identification of new opportunities for enhanced oil recovery methods. Model upscaling, history matching, reservoir simulation (tNavigator)

### **FIELD DEVELOPMENT PLANNING**

Planning field development options and systems, planning new wells and sidetracks, development of EOR programs and the evaluation of its expected efficiency, forecast of oil and gas production and other field development parameters. Expert assessment (certified) of projects on the development of oil and gas fields

### **PROJECT MANAGEMENT**

Management of engineering projects and research reports on field development. Preparation of a technical tasks for a project (definition study), planning projects, managing inter-departmental cooperation, managing on-going assignments, change management

### **MULTIDISCIPLINARY TEAM MANAGEMENT**

Collaboration with other specialists, team work planning, monitoring and controlling, arranging meetings, education and motivation of team

### **PROGRAMMING**

Development of Windows applications for computing automation, waterflooding efficiency analysis, field development indicators forecast

- **2018** - Internship in Department of engineering and analysis of foreign field development LUKOIL-Engineering LLC
- **2015** - Internship in Department of analysis of oil field development LUKOIL Overseas Service B.V. Astana, Kazakhstan

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## **AWARDS**

- **2017** – Certificate for the participation in the semi-final of the national contest “Leaders of Russia”
- **2017** – “Best mentor of young professionals” (LUKOIL-Engineering Limited KogalymNIPIneft Branch Office in Tyumen)
- **2015** – “Employee of the year” in field development, EOR methods category (LUKOIL-Engineering Limited KogalymNIPIneft Branch Office in Tyumen)
- **2015** – Certificate of honor for personal commitment and high professionalism (LUKOIL-Engineering)
- **2014** – “The best engineer” in field development category (LUKOIL-Engineering)
- **2012** – Gratitude for great personal contribution to research achievements (LUKOIL-Engineering Limited KogalymNIPIneft Branch Office in Tyumen)
- **2011** – “Best young professional” in the reservoir engineering category (PJSC LUKOIL)

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## **PATENTS**

- №2382196 The method of development of a heterogeneous oil field, 2019
- №2695418 The method of separate monitoring of flow rates formation during the multi-formation production, 2010
- License RU2017617091 PC software "OilSim" (Windows, C#), 2017

and field development options comparison. Programming in VBA (Excel), C#

### PRESENTATIONS AND PUBLIC SPEAKING

Preparing presentations and infographics, corporate graphic design, making speeches on meetings, conferences, teaching activity

### ANALYTICAL REPORTS

Planning the structure of a report/article, checking the main idea and the validity of the of argumentation, preparing plots and pictures, peer review

## VOLUNTEERING

**10** years of teaching reservoir engineering at university (part-time)

- 2009-2021 – Associate Professor of Department of Development and Operation of Oil and Gas Fields, Industrial University of Tyumen
- Author of 2 educational manuals, lectures on the discipline "Reservoir engineering and oil field development analysis"
- Author of interactive training for education in oil field development and oil producing company management: [www.itneft.com](http://www.itneft.com)
- Public project "Oil Field Development Competition" (provided as part of the Tyumen International Oil and Gas Forum 2016, 2017, and Science Day – 2018, 2019, 2020)

## ACADEMIC ACTIVITY

### PHD THESIS

Increasing of efficiency of implementation of unsteady waterflooding of reservoirs of the Upper Jurassic complex



**PUBLICATIONS** incl. 12 listed by the Higher Degree Committee, 1 by Scopus

**PRIZES for presentations at technical conferences:**

- 4 international
- 5 national
- 7 regional

## RECOMMENDATIONS

### SERGEY GRACHEV

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### ALEXEY SENTSOV

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