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P.O. Box 322929
Ras Al Khaiman, UAE

Subject:
Invitation to attend training course
in Effective Reservoir Management

Oilteam Training is a licensed training provider for Oil and Gas professionals. Since 2011, over 100 E&P and service companies have trusted us with their training needs.

We are delighted to invite you to take part in a 4-day training course **Effective Reservoir Management** to be held in Dubai, on 3-6 July 2017. The course is designed for petroleum engineers who would like to enhance the skills in the reservoir management strategy. More info at www.reservoir-management.com.

The details of the training are as follows:

Training venue: FLORA GRAND HOTEL DUBAI (accommodation available if requested).

Language of instruction: English

Training fee per participant: $ 4,500.00 USD (discount available upon request)

The program and instructor information is in the attachment.

To get registered please contact Mr. Oleg Nesterenko, Vice-Rector at Oilteam Training, at the following:

nesterenkoov@oilteam.ru or +7 (862) 225-54-47 (ext. 1018).

Thank you for your consideration and look forward to having you at our training session in Dubai.

Kind regards,

Aleksandr Podnebesnykh
Principal
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Effective Reservoir Management

Training venue: FLORA GRAND HOTEL DUBAI.
Dates: 3-6 July 2017

About the course

Successful reservoir management includes application of different types of analysis: monitoring, workover programs, waterflood optimization etc. All these aspects will be reviewed in a 4-day course program. Different practical examples will be discussed with course participants. Practical exercises (tasks) are planned in every day of the course.

The program can be adjusted depending on a tentative questionnaire survey and based on any specific requests from Delegates/Company.

The course is designed for petroleum engineers who would like to enhance the skills in the reservoir management strategy (monitoring, workover programs, waterflood optimization etc) depending on the special geological and physical oil and gas reservoir conditions.

Learning outcomes

The delegates will learn how to:

- Apply analytical methods for the reservoir performance analysis and prediction, comparison of the actual performance vs. predicted
- Develop recommendations on waterflooding optimization
- Create surveillance program to address key reservoir development issues

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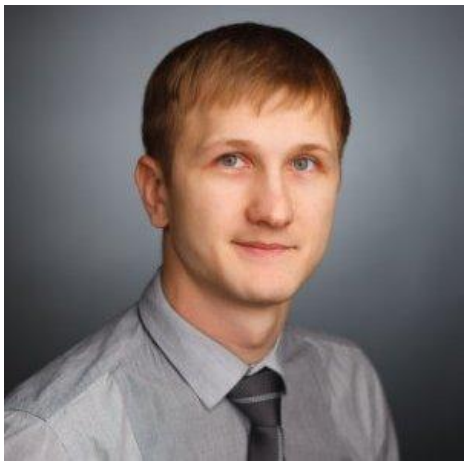
Short course program
«Effective Reservoir Management»

№	Day, time	Class content/focus
1	**1ST Day**	
	9:30 - 11:15	Introduction to the course. Entrance test. Monitoring and analysis of the field development: goals and objectives
	11:15 - 11:35	Coffee-break
	11:35 - 13:00	The sources of field data scale of surveillance date. Data integration
	13:00 - 14:00	Lunch
	14:00 - 15:30	Basic definitions and fundamentals of field data analysis
	15:30 - 15:50	Coffee-break
	15:50 - 17:30	Case study: design of surveillance program using limited reservoir data (working in groups)
2	**2ND Day**	
	9:30 - 11:15	Introduction to the analysis and waterflooding planning. Review of basic concepts of reservoir rocks properties and fluid flow in porous media. Development reservoir schemes. Calculation of oil recovery factor
	11:15 - 11:35	Coffee-break
	11:35 - 13:00	Tools of analysis and waterflooding planning: Decline curve analysis, Material balance application
	13:00 - 14:00	Lunch
	14:00 - 15:30	Tools of analysis and waterflooding planning: Block and pattern analysis, Review of analytic displacement models, streamline modeling, sector and full-scale hydrodynamic modeling
	15:30 - 15:50	Coffee-break
	15:50 - 17:30	Additional methods of reservoir development analysis: displacement characteristics, diagnostic charts and maps
3	**3RD Day**	
	9:30 - 11:15	Additional methods of reservoir development analysis: use of analogues, analysis of produced water. The importance of surveillance program in reservoir development. Discussion
	11:15 - 11:35	Coffee-break
	11:35 - 13:00	Practical example of monitoring program design of the reservoir development: estimation of remaining reserves in heterogeneous reservoirs
	13:00 - 14:00	Lunch
	14:00 - 15:30	Gas and water coning in vertical and horizontal wells: calculation of critical rate and breakthrough time
	15:30 - 15:50	Coffee-break

	15:50 - 17:30	Practical example of monitoring program design of the reservoir development: Monitoring of horizontal wells performance on the example of oil and gas condensate field
4	**4TH Day**	
	9:30 - 11:15	Reservoir development analysis and design of work over program. Practical example. Practical task: planning of the wells work over program
	11:15 - 11:35	Coffee-break
	11:35 - 13:00	Practical application of monitoring methods in the reservoir development. Case study: design of reservoir monitoring program (working in groups)
	13:00 - 14:00	Lunch
	14:00 - 15:30	Final test, feedback
	15:30 - 15:50	Coffee-break
	15:50 - 17:30	Individual sessions with the attendees as requested

About the instructor



Evgeny Ivanov is the chief specialist of the reservoir management department in a JV of Rosneft and BP in Russia, East Siberia. He holds MSc Degree from Heriot-Watt University Edinburgh and PhD in Petroleum Engineering from Tomsk Polytechnic University. He worked as a University lecturer for over 2 years (2013-2015) teaching petroleum engineering at graduate and post-graduate levels at the Tomsk Polytechnic University. Evgeny Ivanov started his career as a petroleum engineer and then became project manager in Rosneft Engineering center in Tomsk (5 years, 2010-2015). He is the author of 15 papers, has the patent for data base and computer program (Selection of EOR methods), supervised 9 graduate theses (including 2 post-graduate theses), and carried out 7 reservoir studies (Reservoir engineering, hydrodynamic simulation and others).