
			
2023 WPC YP RO Program - Open learning online course “Predicting Reservoir Quality at the development Scale: Geologic settings, Production history, Uncertainties and Risks for initial oil in place estimation and future development plan			
Will introduce you in geometry & properties at reservoir scale. The opportunity to gain new skills, updated knowledge and a certificate of completion.			
Information on the course			
		Dr. Eng. Nicoleta Mihaela GOIDESCU	
		Course tutor	
		Doctor in Petroleum Industry, UPG	
		Reservoir Development Geologist	
		Expert NAMR, Petrel Modeller	
		nicogoidescu@yahoo.com	
Coordinator		Dr. Eng. Pandelescu NECULAE – WPC CPC	
Course Duration: 6 hours	Start date: January 2023	Time: 18:00PM-18:50 PM Bucharest Time	Presentation and Examination type: Oral on Zoom Meeting Platform Registration: nicogoidescu@yahoo.com
Content		Teaching strategies	
Geological background - different approaches of the integrated team members regarding the division of work & time management - understanding the role of regional and local fields geology / seismic interpretation		Presentation and discussion January 19, 2023	
Oil & Gas reservoirs - definitions & type - petro-physical properties and their role in reservoir flow - the prediction methods for initial oil water contact		Presentation and discussion February 16, 2023	
The role of static model for reservoir simulation - structural model - properties distribution - initial oil in place estimation: steps & lesson learn		Presentation and discussion March 16, 2023	
Understanding production history for a reservoir geologist - How can data from existing wells be used to anticipate the performance of new wells? - The potential of the reservoir based on recovery factors / well by well review		Presentation and discussion April 20,2023	
Uncertainties & Risks – Troubles - geological hazards - sources of uncertainties & troubles		Presentation and discussion May 18,2023	
Oil in place estimation for future development plan (FDP) - definition of FDP – geologists, geophysicists, reservoir engineers - the best production wells / injection wells / well placement and design		Presentation and discussion June 15,2023	

<p>Follow up:</p> <ul style="list-style-type: none"> - Prof. univ. dr. Mihai Minescu - ASTR - Conf. univ. dr. Nicolae Har - UBB Cluj - Dr. Eng. Nicoleta Mihaela Goidescu – Course tutor - Dr. Eng. Pandeale Neculae - WPC CPC RO Representative - UPG, GG Representatives 	<p>Presentation and discussion June 22, 2022</p>
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Bibliography

1. **Gomes, Jorge** , *Reservoir characterization, Integrated Graduate Development*

2. **Monicard, R.P.**, *Properties of reservoir rocks core analysis*

3. **Roland N.Horne**, *The future of oil, energy resources engineering, Stanford*

4. **Soare, Al., Parcalabescu ,I., Popa, C.** *Engineering of hydrocarbon oil reservoirs, Bucuresti, Technical publishing house*

5. **Vernescu Alexandru**, *The mechanics of oil fields, Bucuresti 1966*

6. **Goidescu Nicoleta**, „*The contribution to increasing the energy efficiency of the thermal recovery of oil using modern methods of evaluation of the geological model,*„ *PhD thesis 2020*



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