



PEA

PETROLEUM ENGINEERS ASSOCIATION



5 DAYS ONLINE TRAINING ON

ADVANCED GEOSTEERING


LEARN FROM SCRATCH FROM EXPERT



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TO JOIN
PEA
COMMUNITY

**REGISTRATION OPEN!
REGISTER NOW!**

Reach out to us at
f **ig** **in** **yt**

 **+91 6205464268/
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www.peassociations.com



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ABOUT THE COURSE

This course will introduce a solid and in-depth understanding of different MWD-LWD technology and their main applications on the geosteering process using the advanced real-time drilling applications.

Attendees will approach the different LWD tools and their usage on geosteering techniques i.e. model based, start-based, seismic image, borehole images and the most advanced remote boundary detection tools.

COURSE OBJECTIVES

- To understand what is geosteering and why we do directional drilling.
- To be familiar of Prejob, Real-time and Post job procedures.
- To know the proper way of geosteering a well.
- To get familiar of different MWD-LWD tools used during geosteering process.
- To understand the difference of conventional and unconventional geosteering.
- To know the methodology of successful geosteering job.
- To practise and apply different case studies and different reservoir challenges.



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COURSE DURATION

5 SESSIONS, 15 HRS

TARGET PARTICIPANTS

Well Sites, Operations, Reservoirs and Field Development Geologists. Geoscientists, Petrophysicists and Mud loggers. Petroleum Engineers with different upstream oilfield backgrounds that having a basic interest to geosteering.

WHAT YOU WILL GAIN

During this training you will be professionally learn how to perform a successful geosteering job, drill your well safely and hence get the maximum reservoir exposure.

TRAINING METHODOLOGY

Throughout this course, the attendees will have the opportunity to practice their skills through a variety of hands-on exercises. These exercises focus on the skills introduced in each lesson.



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THE FOLLOWING ARE OUR TOOLS FOR COURSE CONDUCTION:

- Pre-Assessment Questionnaire for use before the Course
- Post-Assessment Questionnaire for use after the Course
- Lectures, Demonstrations, Group Exercises & Case Studies
- Visual aid (Video Simulation) to increase the efficiency of the information
- Evaluation Questionnaires (Course, Instructor, & Administration) filled by Attendees
- Evaluation Questionnaires for Attendees filled by Instructor

COURSE CONTENT

SESSION ONE

- Types of drilled wells.
- Horizontal wells construction and horizontal wells sidetracking.
- Directional drilling tools, methodology and operations.
- Main MWD - LWD tools and technology.
- MWD-LWD Principles- data transmission



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SESSION TWO

- Induction to resistivity measurement
- Laterolog Resistivity measurement
- Azimuthal data from the LWD
- Well Placement Process: Prejob, Real-time and Post job.
- Plan well preparation and reference wells correlation.

SESSION THREE

- Conventional and unconventional geosteering techniques.
- Principles of preparing and interpreting the azimuthally data (including borehole images).
- Dip calculation and computations i.e. formation dip and recommended bit inclination.
- Layer model initiation till the process of decisions assessment.

SESSION FOUR

- Fundamentals of multi-wells geosteering
- Case studies for geosteered wells in different reservoirs types with different challenges.
- Practical simulations and applications.



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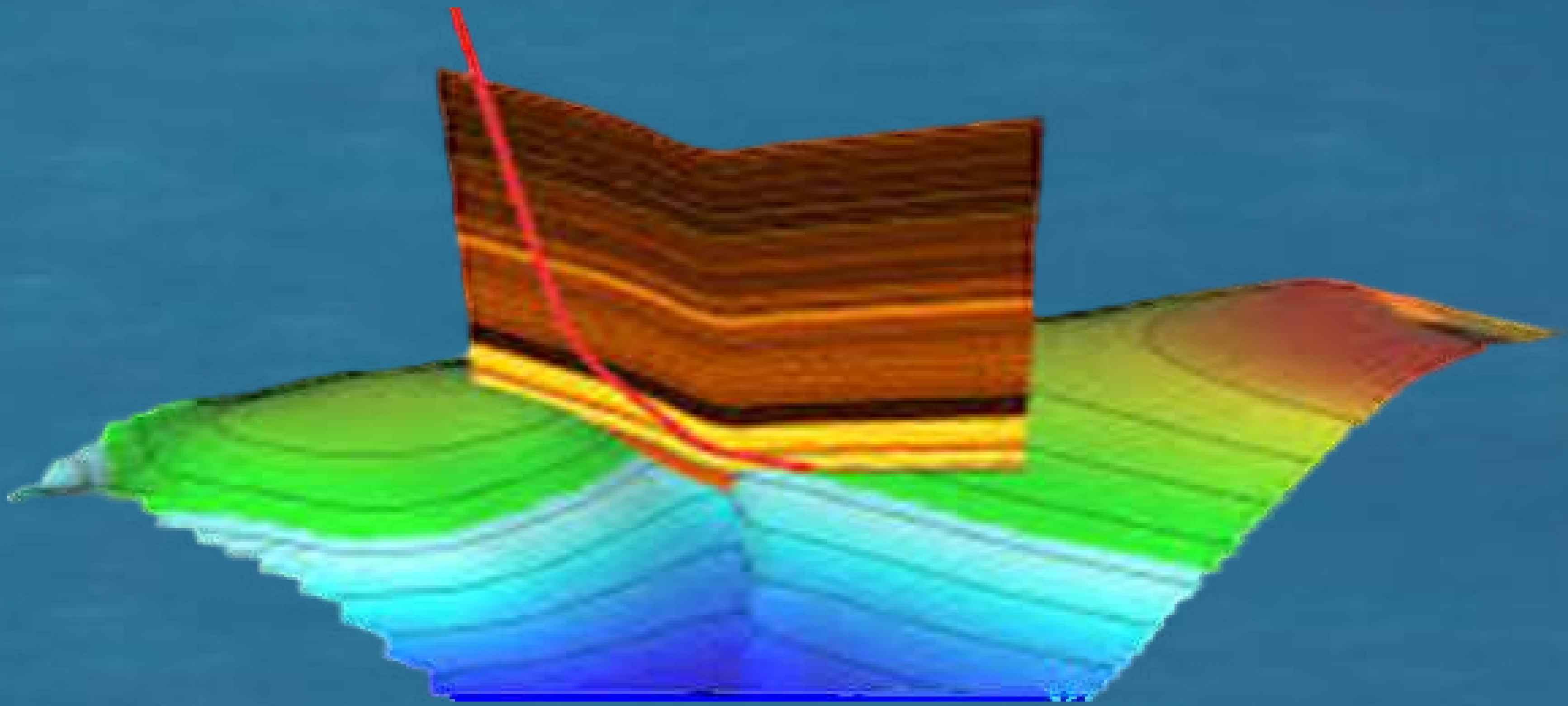
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SESSION FIVE

- Case studies in different reservoirs types with different challenges.
- Practical simulations and applications.
- Round table, course assessment and open discussion.



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