

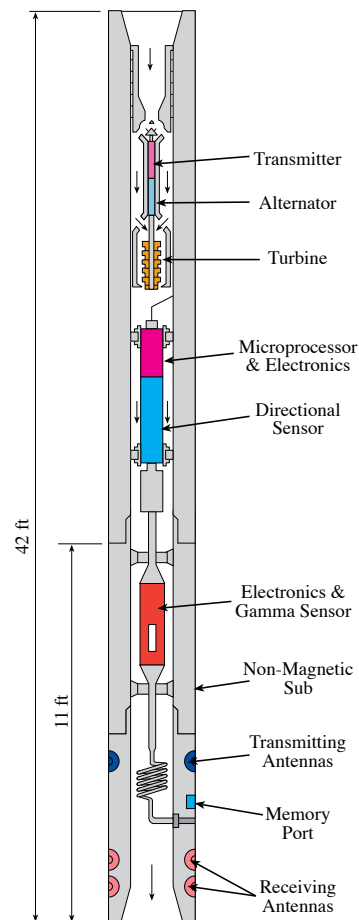
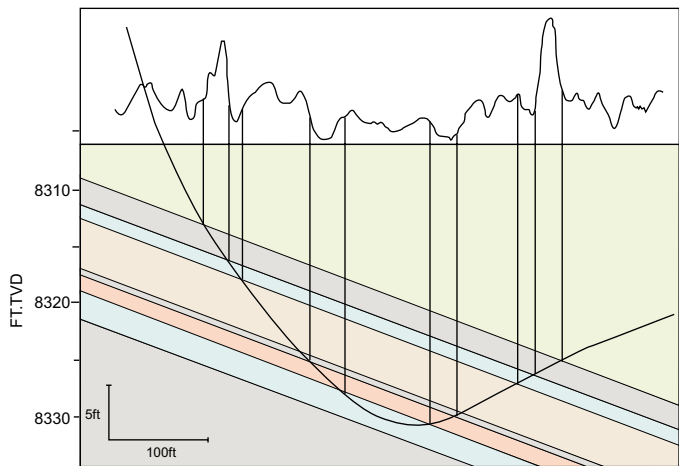
Logging While Drilling

Designed for: Petrophysicists and operations geologists in the early stage of their technical career, but also other subsurface disciplines who interface with petrophysicists in either an operational or data interpretation context.	Duration (days) <div><div></div><div></div></div> <div>1 2</div>	Learning Level:	
		Skills	<div><div></div><div></div><div></div></div>
		Knowledge	<div><div></div><div></div><div></div></div>
		Awareness	<div><div></div><div></div><div></div></div>

The course tackles specifically the practical aspects of running MWD/LWD tools, including the decision as to whether these tools should be run in all reservoir/hole conditions.

The course covers the interpretation of MWD/LWD log data, paying attention to how this differs from interpreting similar data from vertical wells. This includes both the interpretation of ‘live’ MWD/LWD data from the rig, and its use in making operational decisions, and the later use of the data for quantitative reservoir characterisation.

The short course closes with a quantitative assessment of the value of information from MWD/LWD tools compared to other data gathering options, and aims to give the attendees insight as to when MWD/LWD lends critical advantage to a development activity.



Logging While Drilling continued

Course Content:

- MWD/LWD tool assemblies
Currently available measurement tools from different vendors
Running options: the practical limits
- Assessing cost-benefit
- Interpreting live data from the rig
- Using MWD/LWD 'live data' for decision making whilst drilling
- Quantitative analysis of MWD/LWD log data for reservoir characterisation
Resistivity, porosity, NMR & image tools
- Sources of interpretation error
- Integration with other log data:
Comparison with vertical MWD/LWD data
Comparison with standard open hole logs
- Assessing value of information from MWD/LWD

Course Duration:

Duration is 2 days

Courses available from this series:

Basic Geoscience
Introduction to Geophysics
Geological Application of Well Logs
Openhole Petrophysical Interpretation
Core Description
Production Geology
Applied Production Geology
Reservoir Model Design
Fractured Reservoir Characterisation
Geology for Drilling Engineers
Reservoir Engineering
Applied Reservoir Engineering
Well Test Design & Analysis
Logging While Drilling
Basin Analysis
Geomechanics

Course Tutors



Jenny Garnham PhD

Main Series tutoring: Reservoir, Open Air

Industry experience: over 20 years, petrophysics

Career background: Enterprise Oil, AGR and TRACS

Personal: Technical author, SPWLA active member, PESGB/SPE