GEOTHERMAL DRILLING: BLENDING OIL & GAS TECHNOLOGY WITH GEOTHERMAL KNOW-HOW



				Day 1				
Time		Торіс	SESSION NAME FOR MARKETING PURPOSE	Session Name	Description			
08:45	09:30	Registration & Badge pick-up						
09:30	11:00	Session 1.1	Setting the Scene: comparing	General O & G and Geothermal	Comparison and Difference between O & G and			
			Oil & Gas and Geothermal	comparison, GeoScience -	geothermal technology, Methods to gather and			
				Exploration & Development,	interpret geoscience information for exploration,			
				Feasibility study	and additional data during development, feasibilit			
					study at various stages of the project			
11:00	11:30	coffee break						
11:30	13:00	Session 1.2	Designing Geothermal Wells	Well Design, Casing selection,	Design factors including temperature profile,			
				Civil works, Drilling Program,	thermal cycling, selection criteria like corrosion and			
				Perforated Liner, Accessories	sulphide resistance, cellar, sump, water supply,			
					program details, production liner, casing shoe, floa			
					collar and liner hanger			
13:00	14:30			lunch break	-			
14:30	16:00	Session 1.3	The Drilling Toolbox 1	Drilling Rig and Equipment, BHA,	Rig specifications, top drive, BHA handling tools, W			
				Drilling Fluids and Solid Control,	drilling fluids - HT fluid additives, hole cleaning,			
				Cooling, H2S Abatement	cased and open hole sections, shale shakers, sand			
					screw, sumpless setup, mud cleener, mud coolers			
					and H2S abatement			
16:00	16:30			coffee break				
16:30	18:00	Session 1.4	The Drilling Toolbox 2	Cementing - Primary, Secondary,	Procedures and additives - conventional and revers			
				Plugs and Materials, Spacers,	circulation, top jobs, water entrapment, water			
				Placement, Foamed Cement	based micelle spacer, siilica, fire brick clay cement,			
					latex cement, light weight cement, coordinated			
					processes			

	Day 2								
Tir	me	Торіс		Session Name	Description				
09:00	09:30	Registration							
		Session 2.1	Directional Drilling	Drilling Bits, Directional Drilling, Mechanical Specific Energy, ROP Improvements, Well Problems	Tricone and PDC bits, undereamer, MSE application, ROP reduction - drilling efficiency improvement, dirctional drilling planning, EM Tools, mud motor and other BHA, Problems - stuck pipe, fishing, sidetrack, high temperature issues, gelation, drill with no returns				
		offee break							
11:30	13:00	Session 2.2	Downhole Solutions	Loss Circulation, Materials, Placement, Stuck Pipe, Fishing Tools, Air Drilling	Partial to total losses, treating losses, LCM materials, personally involved in research, placement of LCM, stuck pipe leading to fishing jobs, low fracture gradients, fishing tools and well designing, air drilling - shallow and production section, additives and hole cleaning				
13:00	14:30			lunch break					
14:30	16:00	Session 2.3	Project & Financial Management	Well Control and Safety (H2S), Project and Financial Management, EIA, Stakeholders	Well Control issues, pressure derating with temperature, bull heading, H2S handling, examples. Risk Mitigation Curve, Project and Finanical Management, GRMF, World Bank, Equity and Debit Financing, Environment Impact Assessment, Stakeholders interaction and partnership, Olkaria - Hells Gate National Park, Socio Economic Developemnt				
16:00	16:30			coffee break					
16:30	18:00	Session 2.4	Geothermal Assets: building the future of energy	Well Testing, Temperature - Power Plant and Direct Use, Transmission, Lithium, Hydrogen and Carbon Capture	Clean out flow, Injection test, flow test, with and without rig, Pressure, temperature and spinner tools. Temperature range - power plant and direct use, food security, the transmission plan and project, Lithium production, hydrogen generation with power and carbon capture for carbon footprint reduction				