	Session	Room	AL	AK	AZ	AR	CA	CO	CT	DE	FL	GA	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Tuesday, December 6																																																					
8:00a	Air Drilling Best Practices	N119/N120									1 S/B				1		1													1		1 T					1		1		1				1				1		1		
8:00a	Creating Expectations & Goals Program for New Hires & Generation Z	N205									1 S/B																			0.25							1		1										1		
8:00a	Understanding your inputs, Protecting your margins, and Generating enough revenue to replace equipment on schedule	N116/N117									1 S/B																			0.25		1 T					1		1										1		
8:00a	Variable Frequency Drives (VFD) Symposium - Part 1	N219/N222									2 R/R				2		2													0.5		1 T					2		1						2				0.5		2	
9:30a	A Proven Framework for Building Your Brand	N116/N117									1 S/B																			0.25							1		1										1		
9:30a	All Things Hammers and Bits	N119/N120									1 R/R				1		1													1							1		1		1				1				1		1	
11:00a	Alternative Drilling Fluids for Deep Large Diameter Wells	N119/N120									1 R/R				1		1													1		1 T					1		1		1				1				1		1	
11:00a	Chlorine, the Most Misunderstood Chemical in the Water Well Industry	N116/N117									1 R/R				1		1													1		1 T					1		1		1								1		1	
1:15p	Recruiting, Hiring Training, and Retaining the Next Generation of Drillers	N205									1 S/B																			0.25		1 T					1		1										1		
1:15p	Innovative Techniques for Well Design—Not for the Faint of Heart	N119/N120									1 R/R				1		1													1		1 T					1		1		1				1				1		1	
1:15p	Pump Panel Electrical Installation and Maintenance	N219/N220									1 R/R				1		1													0.5		1 T					1		1		1				1				0.25		1	
1:15p	Using Search Engine Optimization & Social Media to Grow Your Business	N116/N117									1 S/B																			0.25							1		1										1		
2:45p	Experiences in Water Well Drilling in Developing Countries – How You Can Help and What 'Help' Might Mean	N115									1 S/B						1													1							1		1										0.5		
2:45p	HE IX Softening -- Exchanging Salt for Savings	N219/N220									1 S/B				1																	1 T					1		1		1								0.5		1	
2:45p	Proper Drill Site Assessment, Preparation, and Execution	N119/N120									1 R/R				1		1													1		1 T					1		1		1				1				1		1	
2:45p	Understanding Internet of Things (IoT)	N116/N117									1 S/B																			0.25							1		1										0.5		1	
3:15p	Energy Based Hazard Identification	N116/N117									1 S/B				1		1 S													0.25		1 S					1		1										0.5		1	
3:15p	Smart Motors and Intelligent Systems for the Next 100 Years of Groundwater Pumping	N219/N220									1 S/B				1		1													0.5		1 T					1		1		1								0.25		1	
3:15p	Water Well Decommissioning/Sealing	N119/N120									1 R/R				1		1													1		1 T					1		1		1				1				1		1	
Wednesday, December 7																																																				
11:30a	Basic Pump Sizing Tools & Calculations	N116/N117									1 R/R				1		1													0.5		1 T					1		1		1				1				0.25		1	
11:30a	Constructing and Design a Well that is a Good Value to the Owner	N119/N120									1 R/R				1		1													1		1 T					1		1		1								1		1	
11:30a	Electrical Safety in Drilling and Pump Service	Activity Area									1 S/B				1		1 S													0.25		1 S					1		1		1				1				1		1	
1:00p	Hazards Identification Tactics – “Why didn’t I say stop”	Activity Area									1 S/B				1		1 S													0.25		1 S					1		1						1				1		1	
2:15p	Contractor's Guide To VFDs	Activity Area									1 R/R				1		1													0.5		1 T					1		1		1								0.25		1	
2:15p	Fundamentals of Electric Motors	N116/N117									1 R/R				1		1													0.5		1 T					1		1		1				1				0.25			
2:15p	Sonic Drilling: what does it have to offer?	N119/N120									1 S/B				1		1													1		1 T					1		1		1								1		1	
3:30p	4" Motors And Meters	Activity Area									1 R/R				1		1													0.5		1 T					1		1		1								0.25		1	
3:30p	ef·fi·cien·cy – All About Permanent Magnet Motors	N116/N117									1 R/R						1													0.5		1 T					1		1		1				1				0.25		1	
3:30p	Family Business Succession: Estate Planning	N119/N120									1 S/B																			0.25							1		1										1		
Thursday, December 8																																																			
8:30a	McEllhiney Lecture: Are We Creating Long-term Groundwater Assets or Just Installing Wells?	N109/N114									1 S/B						1													0.25		1 T					0.75		0.5						1						1		
11:00a	From Well Digger to Groundwater Professional - Perception to Reality	N116/N117									1 S/B						1													0.25							1		1										1		
11:00a	Off-Grid Water Pumping - De-Mystifying Solar for You and Your Customer	N119/N120									1 S/B				1		1													0.5		1 T					1		1		1								0.25		1	
12:15p	Well Performance Evaluation – Data Collection and Analytical Techniques to Assess Well Condition and Performance	N116/N117									1 S/B				1		1													1		1 T					1		1		1								1		1	

Yellow = All courses are approved

Blue = Some courses are approved

Green = Does not pre-approve courses