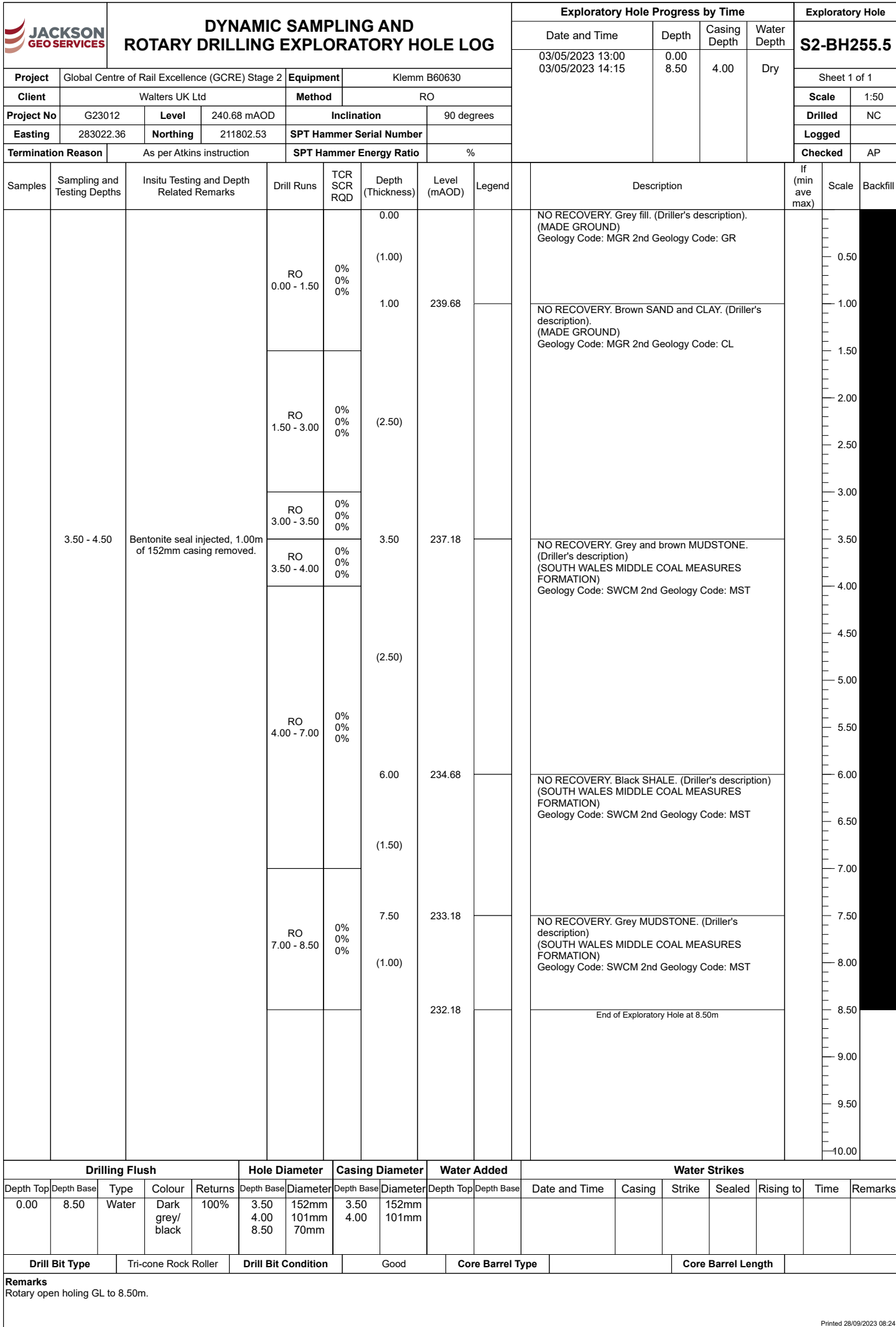


		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH255.48				
								10/05/2023 14:00 10/05/2023 15:30		0.00 12.00	7.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60628					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	240.70 mAOD	Inclination		90 degrees				Drilled	NJ						
Easting	283017.98	Northing	211800.01	SPT Hammer Serial Number						Logged							
Termination Reason		As per Atkins instruction		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 0.00 - 1.50	0% 0% 0%	0.00			NO RECOVERY. Very soft drilling. (Driller's description). (MADE GROUND) Geology Code: MGR								
				RO 1.50 - 3.00	0% 0% 0%												
				RO 3.00 - 4.50	0% 0% 0%	(7.00)											
				RO 4.50 - 6.00	0% 0% 0%												
				RO 6.00 - 7.00	0% 0% 0%												
				RO 7.00 - 7.50	0% 0% 0%	7.00	233.70		NO RECOVERY. Drilling firm. Grey MUDSTONE. (Driller's description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
				RO 7.50 - 10.50	0% 0% 0%	(5.00)											
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	7.00	Water	N/A	0%	7.00	152mm	7.00	152mm									
7.00	12.00	Water	Grey	100%	7.50	101mm	7.50	101mm									
					12.00	70mm											
Drill Bit Type		Tri-cone Rock Roller		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing GL to 12.00m.																	
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH255.77 Sheet 1 of 1 Scale 1:50 Drilled NJ Logged Checked AP	
10/05/2023 11:00 10/05/2023 12:30	0.00 8.50	4.00	Dry		

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	8.50	Water	Black/ grey	100%	3.50	152mm	3.50	152mm									
					4.00	101mm	4.00	101mm									
					8.50	70mm											
Drill Bit Type		Tri-cone Rock Roller			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length				

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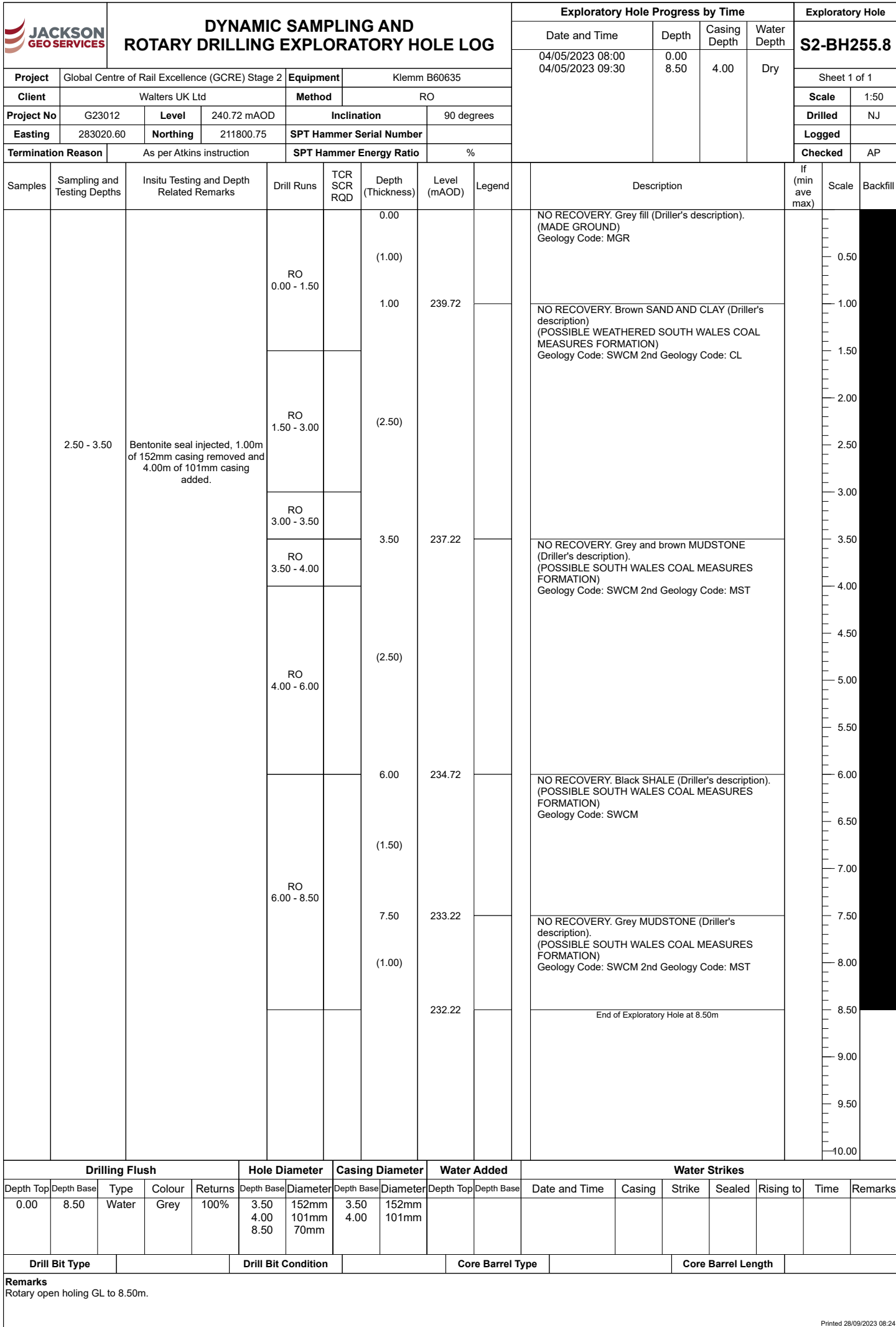
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH255.79 Sheet 1 of 1 Scale 1:50 Drilled NJ Logged Checked AP	
11/05/2023 12:00 11/05/2023 14:00	0.00 8.50	4.00	Dry		

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	8.50	Water	Black/ grey	100%	3.50	152mm	3.50	152mm										
					4.00	101mm	4.00	101mm										
					8.50	70mm												
Drill Bit Type		Tri-cone Rock Roller			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					

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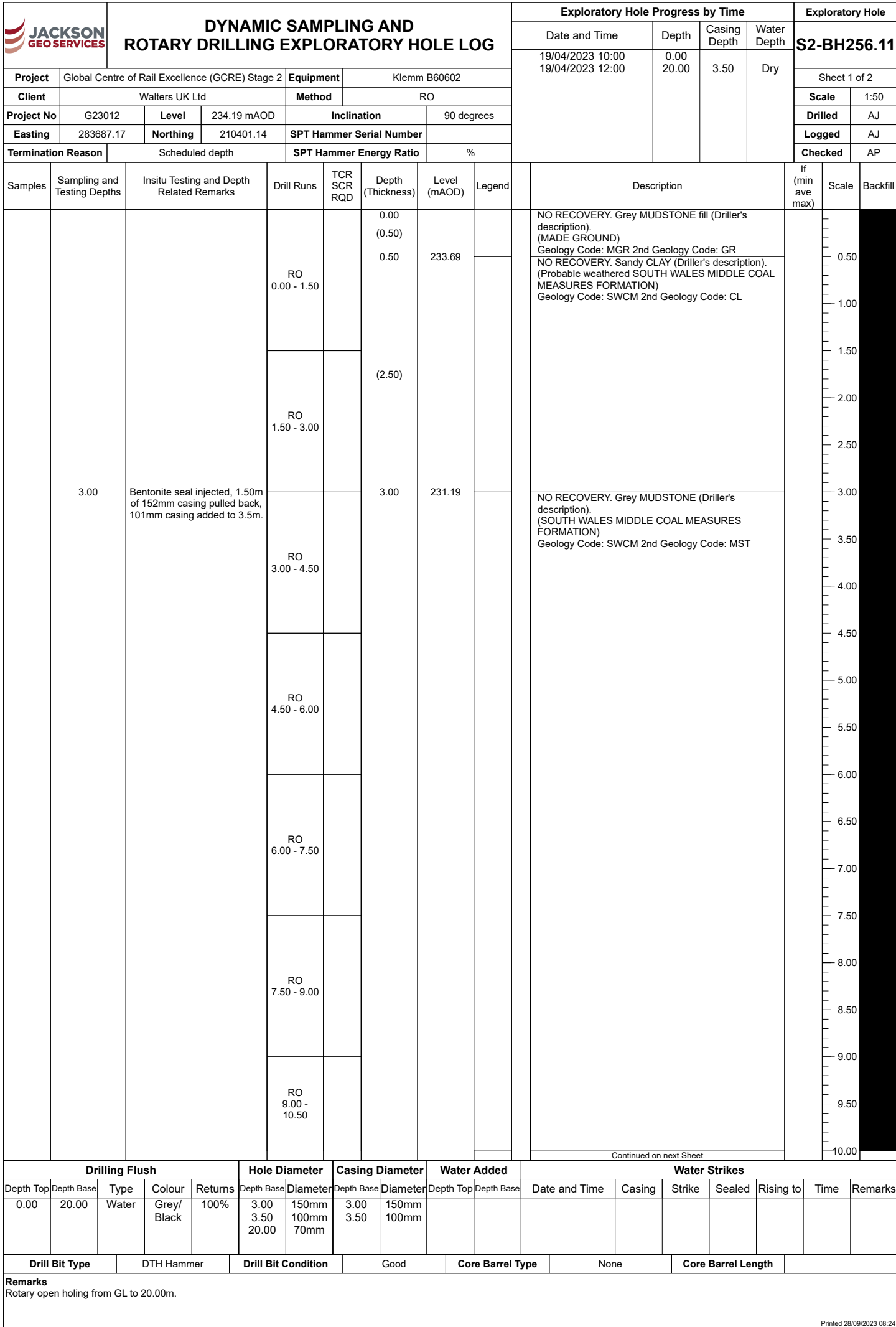
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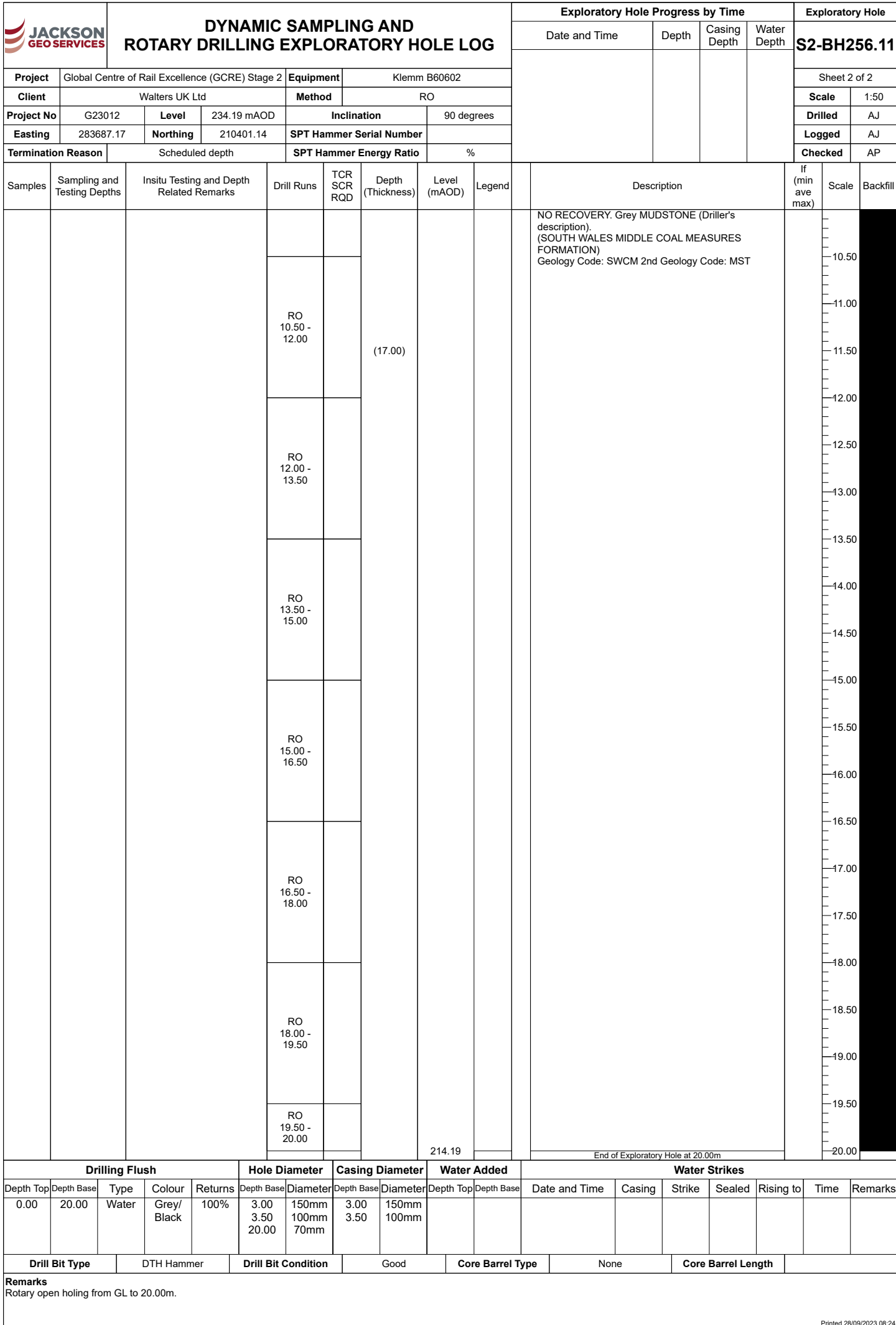
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole				
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.1			
Project		Global Centre of Rail Excellence (GCRE) Stage 2					Equipment		Klemm B60602					Sheet 2 of 2						
Client		Walters UK Ltd					Method		RO					Scale	1:50					
Project No		G23012		Level		234.30 mAOD		Inclination		90 degrees					Drilled	AJ				
Easting		283685.99		Northing		210399.73		SPT Hammer Serial Number							Logged	AJ				
Termination Reason		Scheduled depth					SPT Hammer Energy Ratio		%					Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill			
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
						RO 10.50 - 12.00		(17.00)												
						RO 12.00 - 13.50														
						RO 13.50 - 15.00														
						RO 15.00 - 16.50														
						RO 16.50 - 18.00														
						RO 18.00 - 19.50														
						RO 19.50 - 20.00														
										214.30		End of Exploratory Hole at 20.00m								
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes									
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks			
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm												
					3.50	100mm	3.50	100mm												
					20.00	70mm														
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length							
Remarks																				
Rotary open holing from GL to 20.00m.																				
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.10	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		234.21 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283686.38		Northing		210401.59		SPT Hammer Serial Number				Logged	AJ					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 10.50 - 12.00		(17.00)										
						RO 12.00 - 13.50												
						RO 13.50 - 15.00												
						RO 15.00 - 16.50												
						RO 16.50 - 18.00												
						RO 18.00 - 19.50												
						RO 19.50 - 20.00												
										214.21		End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	100mm	3.50	100mm										
					20.00	70mm												
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length						
Remarks																		
Rotary open holing from GL to 20.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH256.12				
Project		Global Centre of Rail Excellence (GCRE) Stage 2		Equipment		Klemm B60602		19/04/2023 13:00 19/04/2023 15:00		0.00 20.00	3.50	Dry					
Client		Walters UK Ltd		Method		RO		Sheet 1 of 2									
Project No		G23012		Level		234.27 mAOD		Inclination		90 degrees		Scale			1:50		
Easting		283687.84		Northing		210400.54		SPT Hammer Serial Number				Drilled			AJ		
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%						Logged	AJ				
												Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill		
	3.00	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.05) 0.05 (0.95)	234.22		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR				0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00				
						1.00 (0.50) 1.50	233.27		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR								
				RO 1.50 - 3.00		(1.50)	232.77	NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL									
								NO RECOVERY. MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
				RO 3.00 - 4.50		3.00	231.27										
				RO 4.50 - 6.00													
				RO 6.00 - 7.50													
RO 7.50 - 9.00																	
RO 9.00 - 10.50																	
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00 3.50 20.00	150mm 100mm 70mm	3.00 3.50	150mm 100mm									
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.12					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		234.27 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283687.84		Northing		210400.54		SPT Hammer Serial Number				Logged	AJ					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
								(17.00)			NO RECOVERY. MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 10.50 - 12.00												
						RO 12.00 - 13.50												
						RO 13.50 - 15.00												
						RO 15.00 - 16.50												
						RO 16.50 - 18.00												
						RO 18.00 - 19.50												
						RO 19.50 - 20.00												
														214.27	End of Exploratory Hole at 20.00m		20.00	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	100mm	3.50	100mm										
					20.00	70mm												
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length						
Remarks																		
Rotary open holing from GL to 20.00m.																		
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole																			
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH256.13																		
								19/04/2023 15:00 19/04/2023 17:00		0.00 20.00	3.50	Dry																			
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2																					
Client	Walters UK Ltd			Method	RO					Scale	1:50																				
Project No	G23012	Level	234.35 mAOD	Inclination		90 degrees				Drilled	AJ																				
Easting	283688.59	Northing	210400.04	SPT Hammer Serial Number						Logged	AJ																				
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP																				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill																			
	3.00	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.05) 0.05 (0.95)	234.30		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00																				
						1.00 (0.50) 1.50	233.35 232.85																								
				RO 1.50 - 3.00		(1.50)	3.00	231.35					NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL																		
														RO 3.00 - 4.50				NO RECOVERY. MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST													
				RO 4.50 - 6.00																											
									RO 6.00 - 7.50																						
																						RO 7.50 - 9.00									
																											RO 9.00 - 10.50				
				Continued on next Sheet																											
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes																				
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks														
0.00	20.00	Water	Grey/Black	100%	3.00 3.50 20.00	150mm 100mm 70mm	3.00 3.50	150mm 100mm																							
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length																			
Remarks Rotary open holing from GL to 20.00m.																															

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.2				
								17/04/2023 10:50 17/04/2023 12:20		0.00 20.00	3.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012		Level	234.45 mAOD		Inclination	90 degrees		Drilled		AJ						
Easting	283686.56		Northing	210400.52		SPT Hammer Serial Number			Logged		AJ						
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked		AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	3.50	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.30) 0.30	234.15		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL								
				RO 1.50 - 3.00		(2.70)											
				RO 3.00 - 4.50			3.00	231.45		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
				RO 4.50 - 6.00													
	RO 6.00 - 7.50																
	RO 7.50 - 9.00																
				RO 9.00 - 10.50													
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks																	
Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time								Exploratory Hole						
												Date and Time				Depth	Casing Depth	Water Depth	S2-BH256.2							
Project		Global Centre of Rail Excellence (GCRE) Stage 2						Equipment		Klemm B60602						Sheet 2 of 2										
Client		Walters UK Ltd						Method		RO						Scale	1:50									
Project No		G23012		Level		234.45 mAOD		Inclination		90 degrees						Drilled	AJ									
Easting		283686.56		Northing		210400.52		SPT Hammer Serial Number								Logged	AJ									
Termination Reason		Scheduled depth						SPT Hammer Energy Ratio		%						Checked	AP									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description						If (min ave max)	Scale	Backfill							
								(17.00)			NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST															
						RO 10.50 - 12.00																		10.50		
																								11.00		
																								11.50		
																								12.00		
						RO 12.00 - 13.50																			12.50	
																								13.00		
																								13.50		
						RO 13.50 - 15.00																			14.00	
																		14.50								
																		15.00								
																		15.50								
																		16.00								
																		16.50								
																		17.00								
																		17.50								
																		18.00								
																		18.50								
																		19.00								
																		19.50								
																		20.00								
									214.45		End of Exploratory Hole at 20.00m															
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes															
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks									
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm																		
					3.50	100mm	3.50	100mm																		
					20.00	70mm																				
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length														
Remarks																										
Rotary open holing from GL to 20.00m.																										
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.27				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		234.37 mAOD		Inclination		90 degrees		Drilled	AJ				
Easting		283679.20		Northing		210405.44		SPT Hammer Serial Number				Logged	AJ				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
						RO 9.00 - 12.00		(17.00)			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 12.00 - 15.00											
						RO 15.00 - 18.00											
						RO 18.00 - 20.00											
									214.37		End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	152mm	3.00	152mm									
					3.50	101mm	3.50	101mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time								Exploratory Hole					
												Date and Time				Depth		Casing Depth		Water Depth		S2- BH256.28 Sheet 2 of 2 Scale1:50 DrilledAJ LoggedAJ CheckedAP			
Project		Global Centre of Rail Excellence (GCRE) Stage 2						Equipment		Klemm B60602															
Client		Walters UK Ltd						Method		RO															
Project No		G23012		Level		234.32 mAOD		Inclination			90 degrees														
Easting		283679.88		Northing		210406.11		SPT Hammer Serial Number																	
Termination Reason		Scheduled depth						SPT Hammer Energy Ratio			%														
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks				Drill Runs		TCR SCR RQD	Depth (Thickness)		Level (mAOD)		Legend		Description				If (min ave max)	Scale	Backfill			
							RO 9.00 - 12.00			(17.00)						NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
							RO 12.00 - 15.00																		
							RO 15.00 - 18.00																		
							RO 18.00 - 20.00					214.32				End of Exploratory Hole at 20.00m									
Drilling Flush					Hole Diameter			Casing Diameter		Water Added		Water Strikes													
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks								
0.00	20.00	Water	Grey/ Black	100%	3.00	152mm	3.00	152mm																	
					3.50	101mm	3.50	101mm																	
					20.00	70mm																			
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None			Core Barrel Length											
Remarks																									
Rotary open holing from GL to 20.00m.																									
Printed 28/09/2023 08:24																									

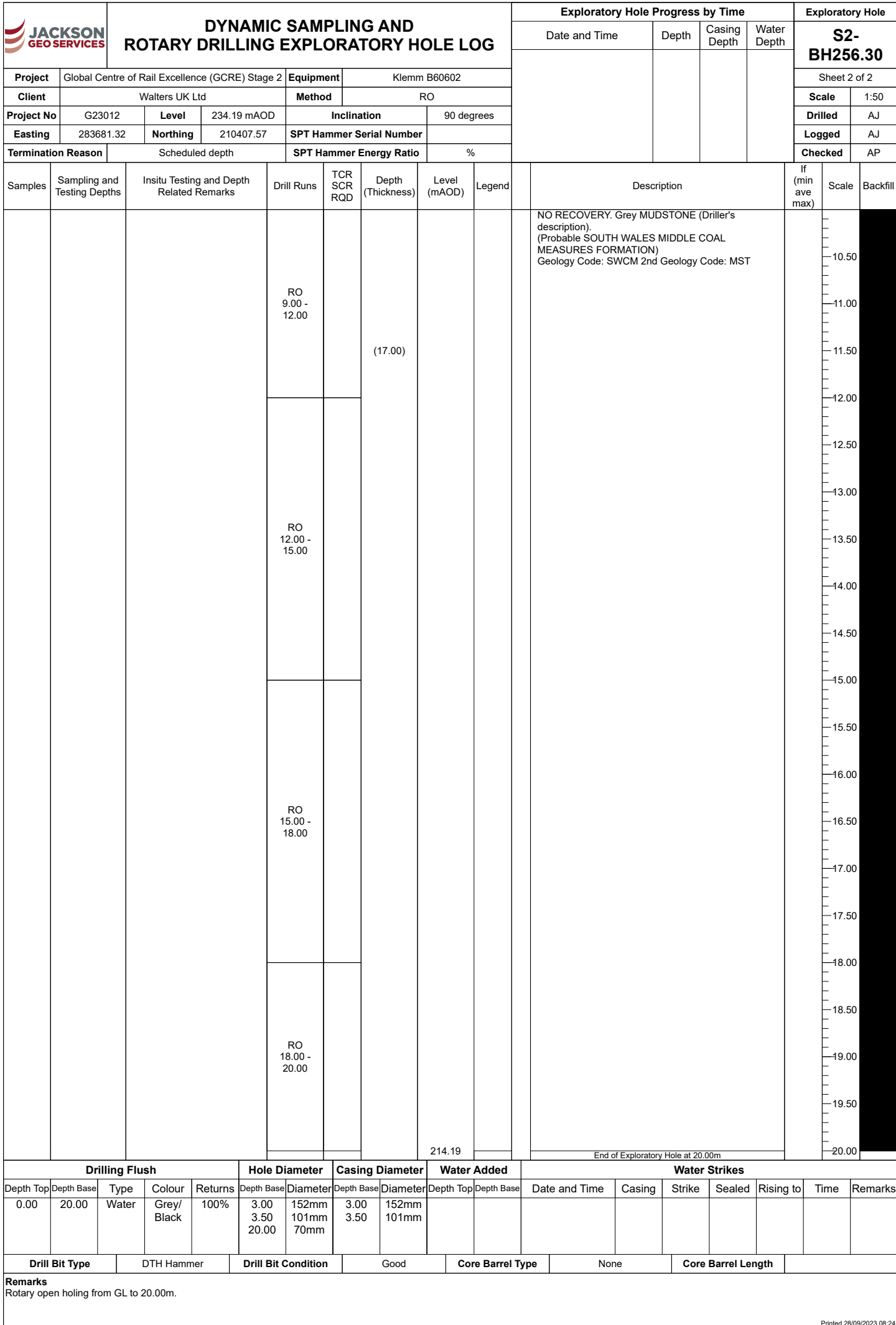
		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH256.29				
								25/04/2023 13:00 25/04/2023 15:00		0.00 20.00	3.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012		Level	234.28 mAOD		Inclination	90 degrees		Drilled		AJ						
Easting	283680.62		Northing	210406.90		SPT Hammer Serial Number			Logged		AJ						
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked		AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	3.00	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.05) 0.05 (0.45) 0.50	234.23 233.78		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY. Road stone (Driller's description) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00						
				RO 1.50 - 3.00		(2.50)											
				RO 3.00 - 3.50		3.00	231.28										
				RO 3.50 - 6.00													
				RO 6.00 - 9.00													
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	152mm	3.00	152mm									
					3.50	101mm	3.50	101mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.3				
								17/04/2023 12:20 17/04/2023 13:50		0.00 20.00	3.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	234.35 mAOD	Inclination		90 degrees				Drilled	AJ						
Easting	283687.24	Northing	210399.88	SPT Hammer Serial Number						Logged	AJ						
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	3.50	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.30) 0.30	234.05		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL								
					(2.70)												
				RO 1.50 - 3.00		3.00	231.35		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
				RO 3.00 - 4.50													
				RO 4.50 - 6.00													
				RO 6.00 - 7.50													
				RO 7.50 - 9.00													
				RO 9.00 - 10.50													
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.3				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		234.35 mAOD		Inclination		90 degrees		Drilled	AJ				
Easting		283687.24		Northing		210399.88		SPT Hammer Serial Number				Logged	AJ				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 10.50 - 12.00		(17.00)						10.50			
														11.00			
														11.50			
														12.00			
						RO 12.00 - 13.50								12.50			
														13.00			
														13.50			
						RO 13.50 - 15.00								14.00			
													14.50				
													15.00				
													15.50				
						RO 15.00 - 16.50							16.00				
													16.50				
													17.00				
						RO 16.50 - 18.00							17.50				
													18.00				
													18.50				
						RO 18.00 - 19.50							19.00				
													19.50				
						RO 19.50 - 20.00							20.00				
									214.35		End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	
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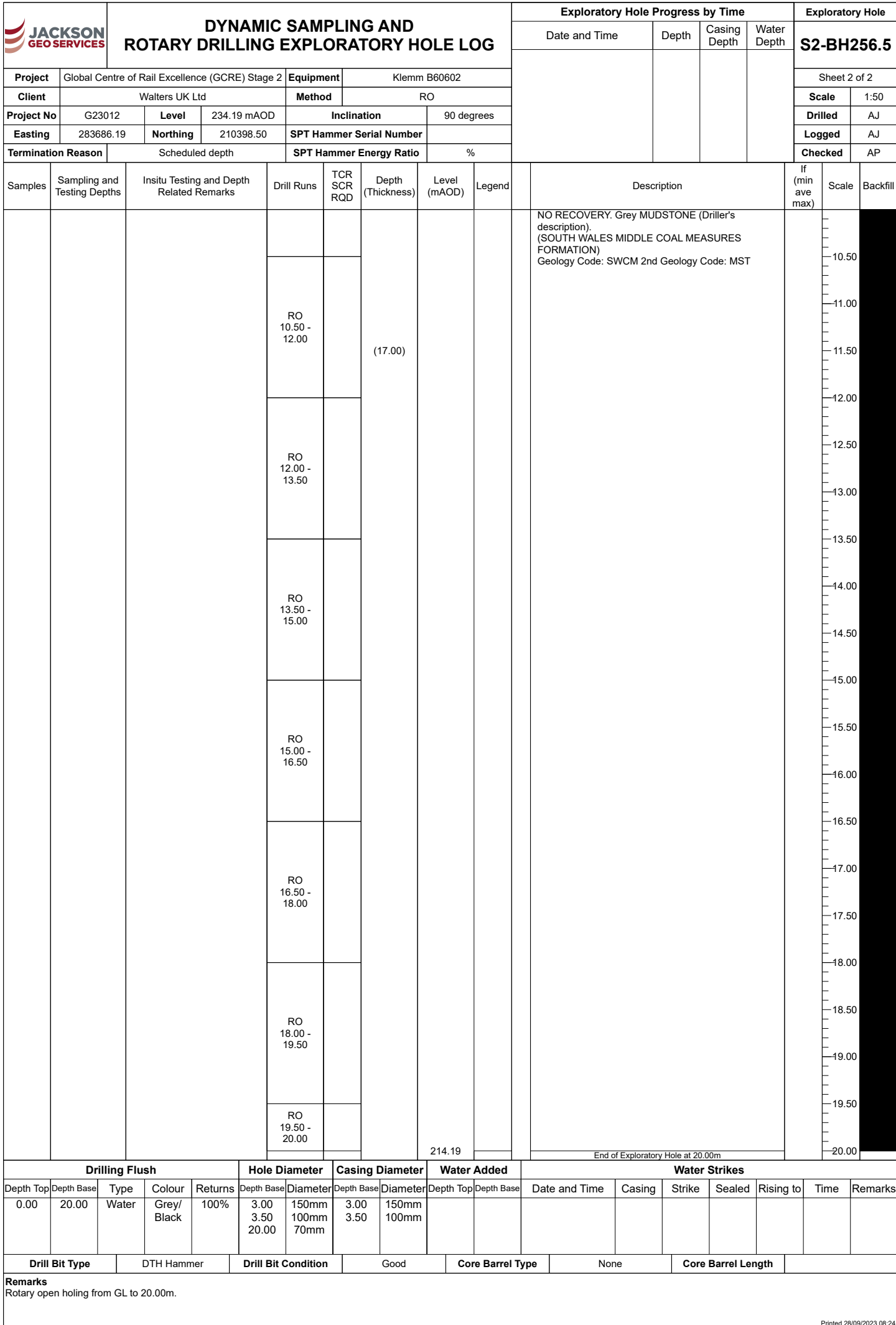
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.4	
												17/04/2023 13:50 17/04/2023 15:20		0.00 20.00	3.50	Dry		
												17/04/2023 13:50 17/04/2023 15:20		0.00 20.00	3.50	Dry		
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 1 of 2						
Client		Walters UK Ltd				Method		RO				Scale		1:50				
Project No		G23012		Level		234.27 mAOD		Inclination		90 degrees		Drilled		AJ				
Easting		283686.83		Northing		210399.38		SPT Hammer Serial Number				Logged		AJ				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked		AP				
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill
	3.00		Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.				RO 0.00 - 1.50		0.00 (0.30) 0.30	233.97			NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL				0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00	
							RO 1.50 - 3.00		(2.70)									
							RO 3.00 - 4.50		3.00	231.27								
							RO 4.50 - 6.00											
							RO 6.00 - 7.50											
							RO 7.50 - 9.00											
							RO 9.00 - 10.50											
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00 3.50 20.00	150mm 100mm 70mm	3.00 3.50	150mm 100mm										
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length						
Remarks Rotary open holing from GL to 20.00m.																		



		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.5	
												17/04/2023 15:20 17/04/2023 17:00		0.00 20.00	3.50	Dry		
												17/04/2023 15:20 17/04/2023 17:00		0.00 20.00	3.50	Dry		
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 1 of 2						
Client		Walters UK Ltd				Method		RO				Scale		1:50				
Project No		G23012		Level		234.19 mAOD		Inclination		90 degrees		Drilled		AJ				
Easting		283686.19		Northing		210398.50		SPT Hammer Serial Number				Logged		AJ				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked		AP				
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description			If (min ave max)	Scale	Backfill		
	3.00		Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.			RO 0.00 - 1.50		0.00 (0.30) 0.30	233.89		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL				0.50			
																1.00		
						RO 1.50 - 3.00		(2.70)							1.50			
															2.00			
															2.50			
															3.00			
						RO 3.00 - 4.50		3.00	231.19		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST				3.50			
																4.00		
															4.50			
															5.00			
															5.50			
															6.00			
															6.50			
															7.00			
															7.50			
															8.00			
															8.50			
															9.00			
															9.50			
															10.00			
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	100mm	3.50	100mm										
					20.00	70mm												
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.6				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		234.24 mAOD		Inclination		90 degrees		Drilled	AJ				
Easting		283685.50		Northing		210398.99		SPT Hammer Serial Number				Logged	AJ				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 10.50 - 12.00		(17.00)					10.50				
													11.00				
													11.50				
													12.00				
						RO 12.00 - 13.50							12.50				
													13.00				
													13.50				
						RO 13.50 - 15.00							14.00				
												14.50					
												15.00					
												15.50					
						RO 15.00 - 16.50						16.00					
												16.50					
												17.00					
						RO 16.50 - 18.00						17.50					
												18.00					
												18.50					
						RO 18.00 - 19.50						19.00					
												19.50					
						RO 19.50 - 20.00						20.00					
									214.24		End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length				
Remarks																	
Rotary open holing from GL to 20.00m.																	
Printed 28/09/2023 08:24																	



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH256.7	
18/04/2023 10:00 18/04/2023 12:00	0.00 20.00	3.50	Dry		
				Sheet 1 of 2	
				Scale	1:50
				Drilled	AJ
				Logged	AJ
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm									
					3.50	150mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length				

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.7					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		234.30 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283684.72		Northing		210399.58		SPT Hammer Serial Number				Logged	AJ					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 10.50 - 12.00		(17.00)										
						RO 12.00 - 13.50												
						RO 13.50 - 15.00												
						RO 15.00 - 16.50												
						RO 16.50 - 18.00												
						RO 18.00 - 19.50												
						RO 19.50 - 20.00												
														214.30	End of Exploratory Hole at 20.00m		20.00	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	150mm	3.50	100mm										
					20.00	70mm												
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length						
Remarks																		
Rotary open holing from GL to 20.00m.																		
Printed 28/09/2023 08:24																		

		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.8				
								18/04/2023 13:00 18/04/2023 15:00		0.00 20.00	3.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602			Sheet 1 of 2		Scale 1:50 Drilled AJ Logged AJ Checked AP							
Client	Walters UK Ltd			Method	RO												
Project No	G23012	Level	234.36 mAOD	Inclination		90 degrees											
Easting	283685.19	Northing	210400.25	SPT Hammer Serial Number													
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%										
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill				
	3.00	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	233.86		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL			0.50					
				RO 1.50 - 3.00		(2.50)				1.00							
				RO 3.00 - 4.50		3.00	231.36		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		1.50						
				RO 4.50 - 6.00						2.00							
				RO 6.00 - 7.50						2.50							
				RO 7.50 - 9.00						3.00							
				RO 9.00 - 10.50						3.50							
Continued on next Sheet														4.00			
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks Rotary open holing from GL to 20.00m.																	

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.9	
												18/04/2023 15:00 18/04/2023 17:00		0.00 20.00	3.50	Dry		
												18/04/2023 15:00 18/04/2023 17:00		0.00 20.00	3.50	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Klemm B60602					Sheet 1 of 2						
Client	Walters UK Ltd					Method	RO					Scale	1:50					
Project No	G23012		Level	234.51 mAOD		Inclination		90 degrees			Drilled	AJ						
Easting	283685.80		Northing	210400.91		SPT Hammer Serial Number					Logged	AJ						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%			Checked	AP						
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
	3.00	Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.	RO 0.00 - 1.50		0.00 (0.50) 0.50	234.01		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00							
								NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL										
		Bentonite seal injected, 1.50m of 152mm casing pulled back, 101mm casing added to 3.5m.	RO 1.50 - 3.00		(2.50)	3.00	231.51	NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST										
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00 3.50 20.00	150mm 100mm 70mm	3.00 3.50	150mm 100mm										
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length						
Remarks Rotary open holing from GL to 20.00m.																		

		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole				
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH256.9			
Project		Global Centre of Rail Excellence (GCRE) Stage 2						Equipment		Klemm B60602						Sheet 2 of 2				
Client		Walters UK Ltd						Method		RO						Scale	1:50			
Project No		G23012		Level		234.51 mAOD		Inclination		90 degrees		Drilled		AJ						
Easting		283685.80		Northing		210400.91		SPT Hammer Serial Number				Logged		AJ						
Termination Reason		Scheduled depth						SPT Hammer Energy Ratio		%		Checked		AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill			
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
						RO 10.50 - 12.00		(17.00)												
						RO 12.00 - 13.50														
						RO 13.50 - 15.00														
						RO 15.00 - 16.50														
						RO 16.50 - 18.00														
						RO 18.00 - 19.50														
						RO 19.50 - 20.00														
										214.51		End of Exploratory Hole at 20.00m								
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes									
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks			
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm												
					3.50	100mm	3.50	100mm												
					20.00	70mm														
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length							
Remarks																				
Rotary open holing from GL to 20.00m.																				
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.1	
												05/04/2023 08:00 05/04/2023 12:00		0.00 20.00	4.00	Dry		
												05/04/2023 08:00 05/04/2023 12:00		0.00 20.00	4.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Casagrande C6					Sheet 1 of 2						
Client	Walters UK Ltd					Method	RO					Scale	1:50					
Project No	G23012		Level	236.04 mAOD		Inclination		90 degrees			Drilled	NC						
Easting	283691.00		Northing	210426.00		SPT Hammer Serial Number					Logged	NC						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%			Checked	AP						
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 0.00 - 1.50		0.00 (1.00) 1.00	235.04		NO RECOVERY. Grey FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50					
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.00					
						RO 1.50 - 3.00		(1.50)					1.50					
								2.50 (0.50)	233.54		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.00					
						RO 3.00 - 4.50		3.00	233.04		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.50					
													3.00					
													3.50					
													4.00					
													4.50					
						RO 4.50 - 6.00							5.00					
													5.50					
													6.00					
						RO 6.00 - 7.50							6.50					
													7.00					
													7.50					
													8.00					
						RO 7.50 - 9.00							8.50					
													9.00					
													9.50					
						RO 9.00 - 10.50							10.00					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					4.00	100mm	4.00	100mm										
					20.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks Rotary open holing from GL to 20.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.11				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 2 of 3					
Client		Walters UK Ltd				Method		RO				Scale 1:50					
Project No		G23012		Level		235.96 mAOD		Inclination		90 degrees		Drilled NC					
Easting		283689.58		Northing		210424.68		SPT Hammer Serial Number				Logged NC					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
								(17.80)			NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 10.50 - 12.00								10.50			
														11.00			
														11.50			
						RO 12.00 - 13.50								12.00			
														12.50			
														13.00			
														13.50			
						RO 13.50 - 15.00						14.00					
												14.50					
												15.00					
						RO 15.00 - 16.50						15.50					
												16.00					
												16.50					
						RO 16.50 - 18.00						17.00					
												17.50					
												18.00					
						RO 18.00 - 19.50						18.50					
												19.00					
												19.50					
												20.00					
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.50	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.50	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open holing from GL to 20.50m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.17	
												12/04/2023 11:30 17/04/2023 13:27		0.00 20.50	3.50	Dry		
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 1 of 3						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		236.06 mAOD		Inclination		90 degrees		Drilled	NC					
Easting		283690.82		Northing		210428.86		SPT Hammer Serial Number				Logged	NC					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 0.00 - 1.50		0.00 (1.00) 1.00	235.06		NO RECOVERY. Grey MUDSTONE FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50					
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.00					
						RO 1.50 - 3.00		(1.70)					1.50					
													2.00					
						RO 3.00 - 4.50		2.70	233.36		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.50					
													3.00					
						RO 4.50 - 6.00							3.50					
													4.00					
													4.50					
						RO 6.00 - 7.50							5.00					
													5.50					
													6.00					
						RO 7.50 - 9.00							6.50					
													7.00					
													7.50					
													8.00					
													8.50					
													9.00					
						RO 9.00 - 10.50							9.50					
													10.00					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.50	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	100mm	3.50	100mm										
					20.50	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks Rotary open holing from GL to 20.50m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.2				
								05/04/2023 12:30 05/04/2023 17:15		0.00 20.00	4.00	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Casagrande C6				Sheet 1 of 2							
Client	Walters UK Ltd				Method	RO				Scale	1:50						
Project No	G23012		Level	235.17 mAOD		Inclination	90 degrees		Drilled	NC							
Easting	283690.28		Northing	210425.30		SPT Hammer Serial Number			Logged	NC							
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 0.00 - 1.50		0.00 (1.00) 1.00	234.17		NO RECOVERY. Grey FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50						
				RO 1.50 - 3.00		(1.50) 2.50 (0.50) 3.00	232.67		NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.00						
				RO 3.00 - 4.50			232.67		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		1.50						
				RO 4.50 - 6.00			232.17		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.00						
				RO 6.00 - 7.50							2.50						
				RO 7.50 - 9.00							3.00						
				RO 9.00 - 10.50							3.50						
											4.00						
											4.50						
											5.00						
											5.50						
											6.00						
											6.50						
											7.00						
											7.50						
											8.00						
											8.50						
											9.00						
											9.50						
											10.00						
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					4.00	100mm	4.00	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open holing from GL to 20.00m.																	
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.2	
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Casagrande C6					Sheet 2 of 2						
Client	Walters UK Ltd					Method	RO					Scale	1:50					
Project No	G23012		Level	235.17 mAOD		Inclination		90 degrees			Drilled	NC						
Easting	283690.28		Northing	210425.30		SPT Hammer Serial Number					Logged	NC						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%			Checked	AP						
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 10.50 - 12.00		(17.00)					10.50					
													11.00					
													11.50					
													12.00					
						RO 12.00 - 13.50							12.50					
													13.00					
													13.50					
						RO 13.50 - 15.00							14.00					
													14.50					
													15.00					
													15.50					
						RO 15.00 - 16.50							16.00					
													16.50					
													17.00					
						RO 16.50 - 18.00							17.50					
													18.00					
													18.50					
						RO 18.00 - 19.50							19.00					
													19.50					
						RO 19.50 - 20.00			215.17		End of Exploratory Hole at 20.00m		20.00					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm										
					4.00	100mm	4.00	100mm										
					20.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open holing from GL to 20.00m.																		
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.23				
								12/04/2023 13:30 12/04/2023 15:00		0.00 20.50	3.50	Dry					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 1 of 3					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		235.89 mAOD		Inclination		90 degrees		Drilled	NC				
Easting		283692.34		Northing		210424.79		SPT Hammer Serial Number				Logged	NC				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
						RO 0.00 - 1.50		0.00 (1.00) 1.00	234.89		NO RECOVERY. Grey MUDSTONE FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR						
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL						
						RO 1.50 - 3.00		(1.70)									
						RO 3.00 - 4.50		2.70	233.19		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 4.50 - 6.00											
						RO 6.00 - 7.50											
						RO 7.50 - 9.00											
						RO 9.00 - 10.50											
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.50	Water	Grey/Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.50	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open holing from GL to 20.50m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole			
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.23 Sheet 2 of 3 Scale1:50 DrilledNC LoggedNC CheckedAP			
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6												
Client		Walters UK Ltd				Method		RO												
Project No		G23012		Level		235.89 mAOD		Inclination		90 degrees										
Easting		283692.34		Northing		210424.79		SPT Hammer Serial Number												
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%												
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill			
								(17.80)			NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
						RO 10.50 - 12.00														
						RO 12.00 - 13.50														
						RO 13.50 - 15.00														
						RO 15.00 - 16.50														
						RO 16.50 - 18.00														
						RO 18.00 - 19.50														
Continued on next Sheet																				
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes									
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks			
0.00	20.50	Water	Grey/Black	100%	3.00	150mm	3.00	150mm												
					3.50	100mm	3.50	100mm												
					20.50	70mm														
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length								
Remarks																				
Rotary open holing from GL to 20.50m.																				
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.3 Sheet 1 of 3 Scale 1:50 Drilled NC Logged NC Checked AP
06/04/2023 09:00 17/04/2023 10:33		0.00 22.20	4.00	Dry	

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/	100%	3.00	150mm	3.00	150mm									
20.00	22.20	Water	Black No return	0%	4.00 22.20	100mm 70mm	4.00	100mm									
Drill Bit Type		Drag Bit			Drill Bit Condition		Fair		Core Barrel Type					Core Barrel Length			
Remarks																	
Rotary open holing from GL to 20.20m.																	

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.4	
Project		Global Centre of Rail Excellence (GCRE) Stage 2					Equipment		Casagrande C6					Sheet 2 of 3				
Client		Walters UK Ltd					Method		RO					Scale		1:50		
Project No		G23012		Level		236.04 mAOD		Inclination			90 degrees			Drilled		NC		
Easting		283690.26		Northing		210426.62		SPT Hammer Serial Number						Logged		NC		
Termination Reason		Extended to 22.20m due to void..					SPT Hammer Energy Ratio			%			Checked		AP			
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks				Drill Runs		TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description			If (min ave max)	Scale	Backfill
										(17.20)			NO RECOVERY. Grey MUDSTONE (Driller's description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST				10.50 11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00 16.50 17.00 17.50 18.00 18.50 19.00 19.50 20.00	
							RO 10.50 - 12.00											
							RO 12.00 - 13.50											
							RO 13.50 - 15.00											
							RO 15.00 - 16.50											
							RO 16.50 - 18.00											
							RO 18.00 - 19.50											
									19.70	216.34			NO RECOVERY. VOID (Driller's description).					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	19.70	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm										
19.70	22.20	Water	No return	0%	4.00	100mm	4.00	100mm										
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open holing from GL to 20.20m.																		
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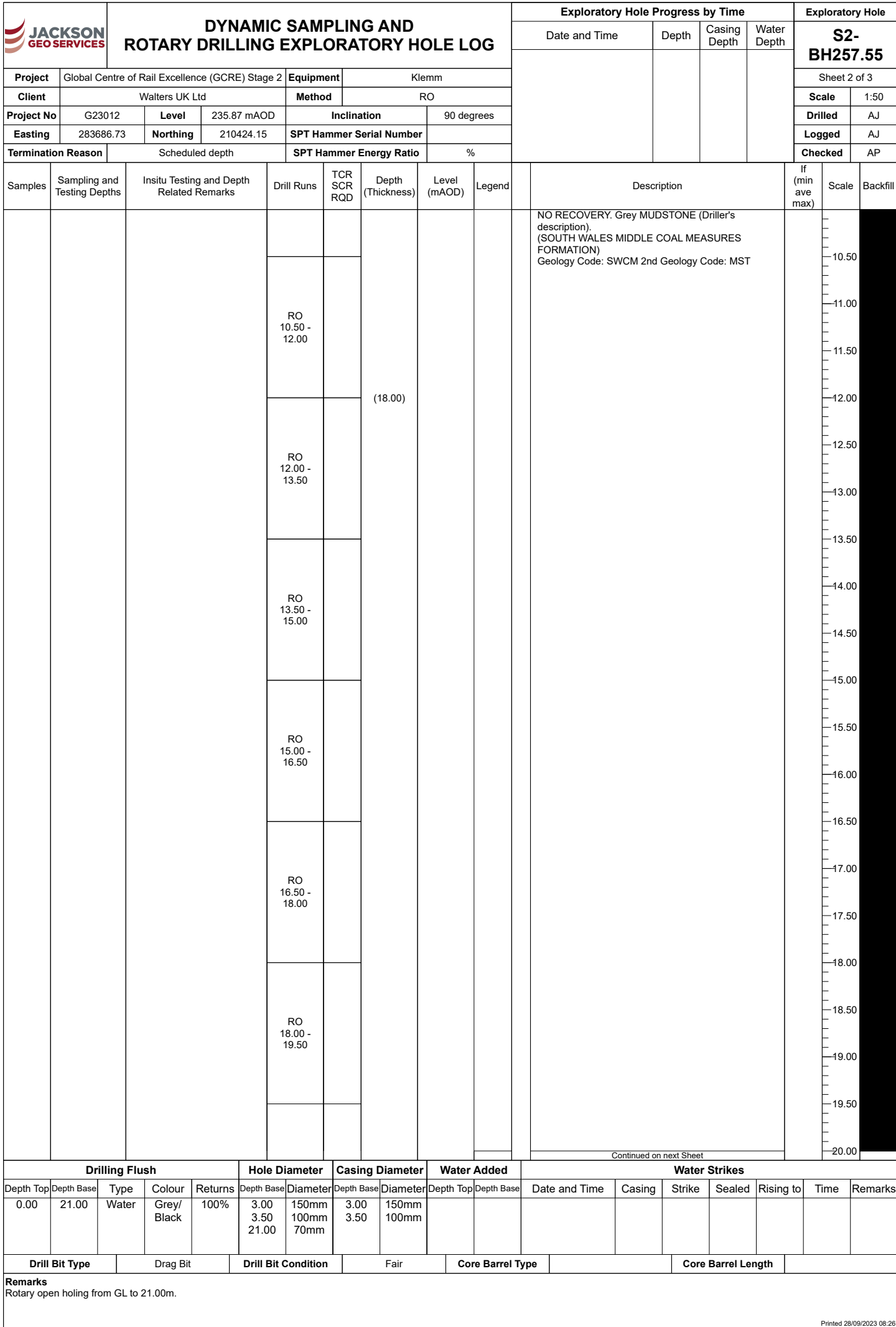
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.5 Sheet 1 of 3 Scale 1:50 Drilled NC Logged NC Checked AP
12/04/2023 08:00 12/04/2023 10:00		0.00 20.30	3.50	Dry.	

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.30	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm									
					3.50	100mm	3.50	100mm									
					20.30	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type		Core Barrel Length							

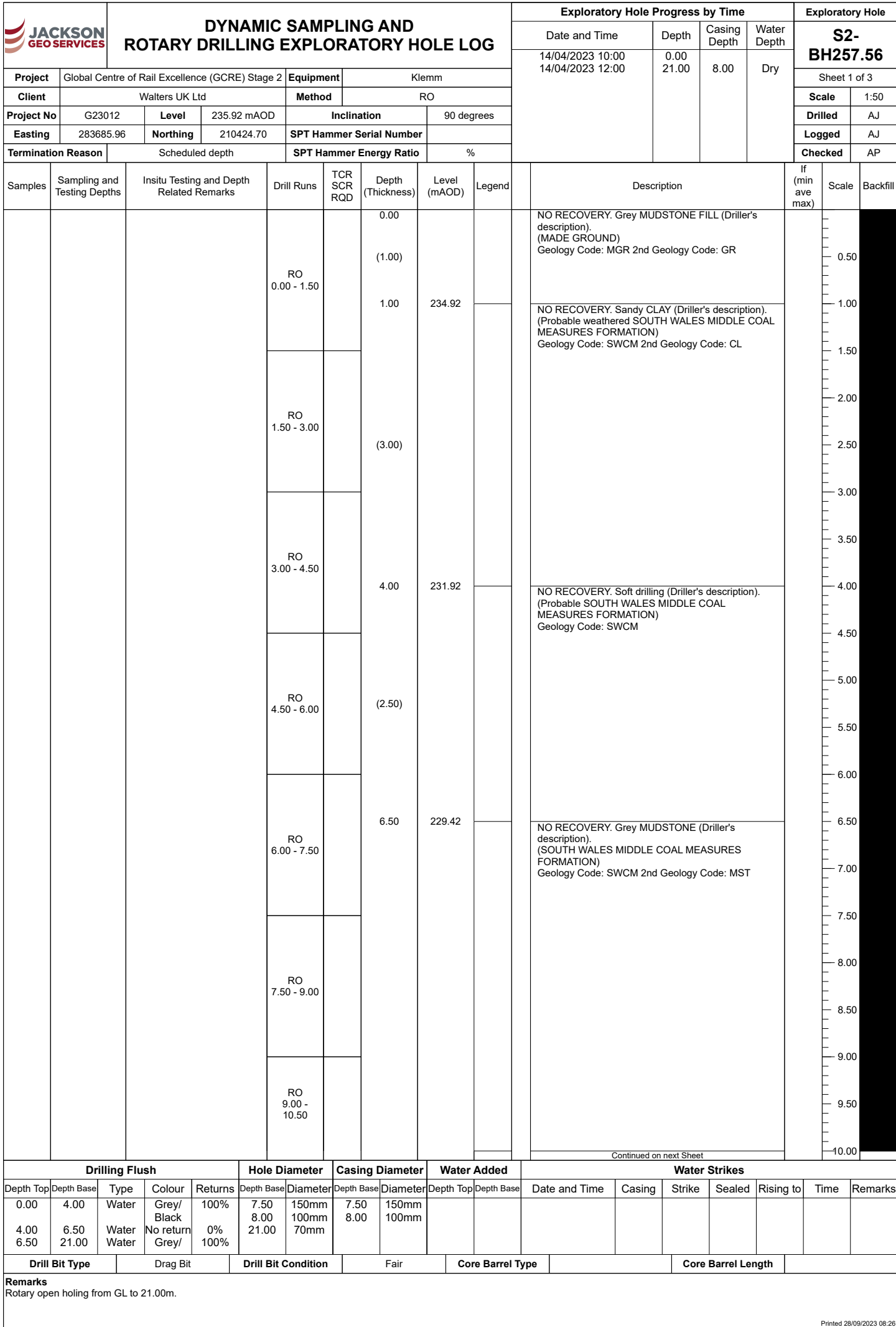
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time								Exploratory Hole					
												Date and Time				Depth		Casing Depth		Water Depth		S2-BH257.5			
																						Sheet 3 of 3			
												Project				Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6			
												Client				Walters UK Ltd				Method		RO			
Project No		G23012		Level		236.06 mAOD		Inclination			90 degrees			Scale		1:50									
Easting		283690.84		Northing		210427.52		SPT Hammer Serial Number						Drilled		NC									
Termination Reason		Extended to 22.30m due to void.				SPT Hammer Energy Ratio			%			Logged		NC											
												Checked		AP											
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill							
									(0.30)	215.76		NO RECOVERY. VOID (Driller's description).													
												End of Exploratory Hole at 20.30m													

		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.55	
												14/04/2023 08:00 14/04/2023 10:00		0.00 21.00	3.50	Dry		
												14/04/2023 08:00 14/04/2023 10:00		0.00 21.00	3.50	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Klemm					Sheet 1 of 3						
Client	Walters UK Ltd					Method	RO					Scale	1:50					
Project No	G23012		Level	235.87 mAOD		Inclination		90 degrees			Drilled	AJ						
Easting	283686.73		Northing	210424.15		SPT Hammer Serial Number					Logged	AJ						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%			Checked	AP						
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 0.00 - 1.50		0.00 (1.00) 1.00	234.87		NO RECOVERY. Grey MUDSTONE FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50					
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.00					
						RO 1.50 - 3.00		(2.00)					1.50					
													2.00					
													2.50					
						RO 3.00 - 4.50		3.00	232.87		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		3.00					
													3.50					
													4.00					
													4.50					
						RO 4.50 - 6.00							5.00					
													5.50					
													6.00					
						RO 6.00 - 7.50							6.50					
													7.00					
													7.50					
													8.00					
						RO 7.50 - 9.00							8.50					
													9.00					
													9.50					
						RO 9.00 - 10.50							10.00					
											Continued on next Sheet							
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	21.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	100mm	3.50	100mm										
					21.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open holing from GL to 21.00m.																		
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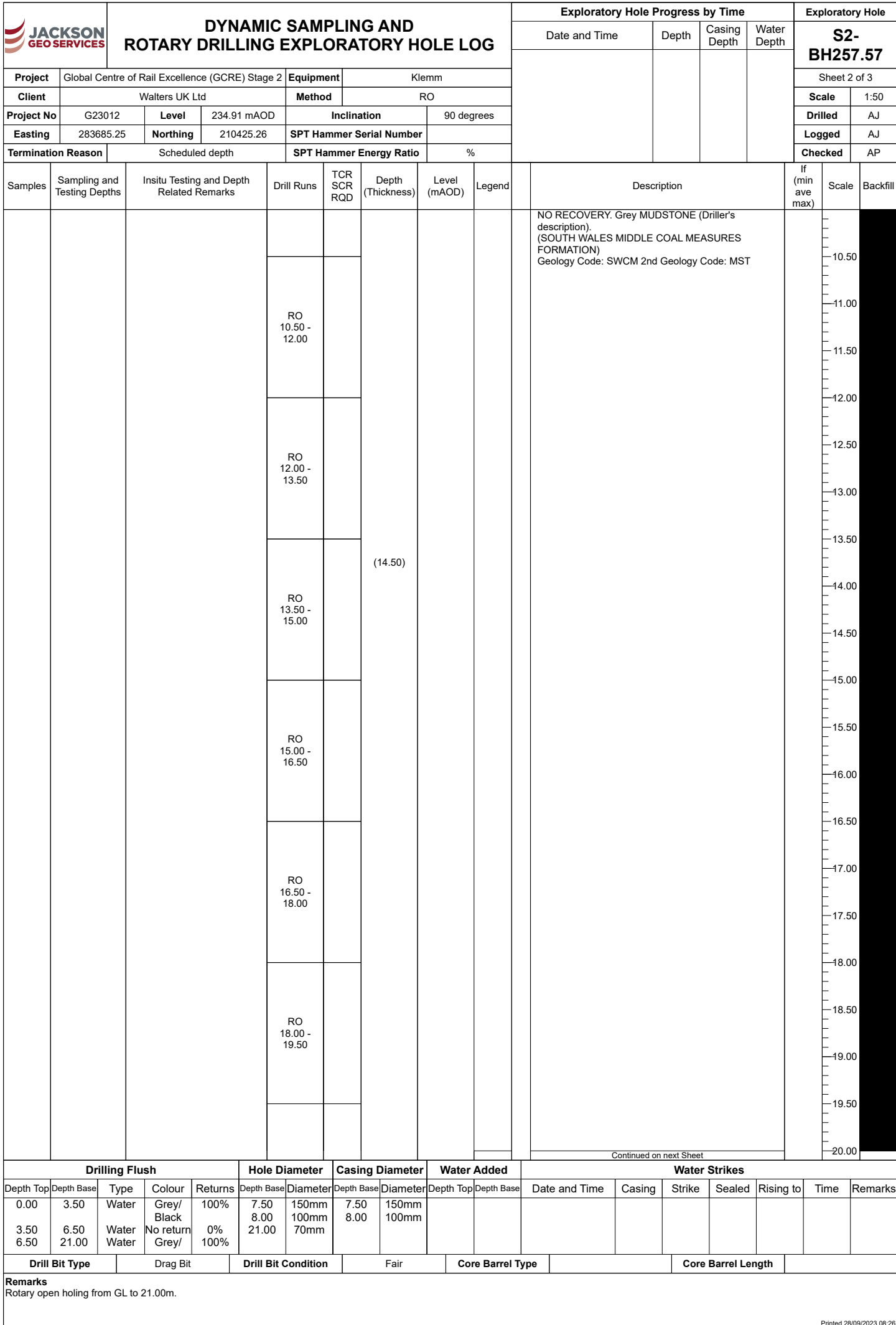


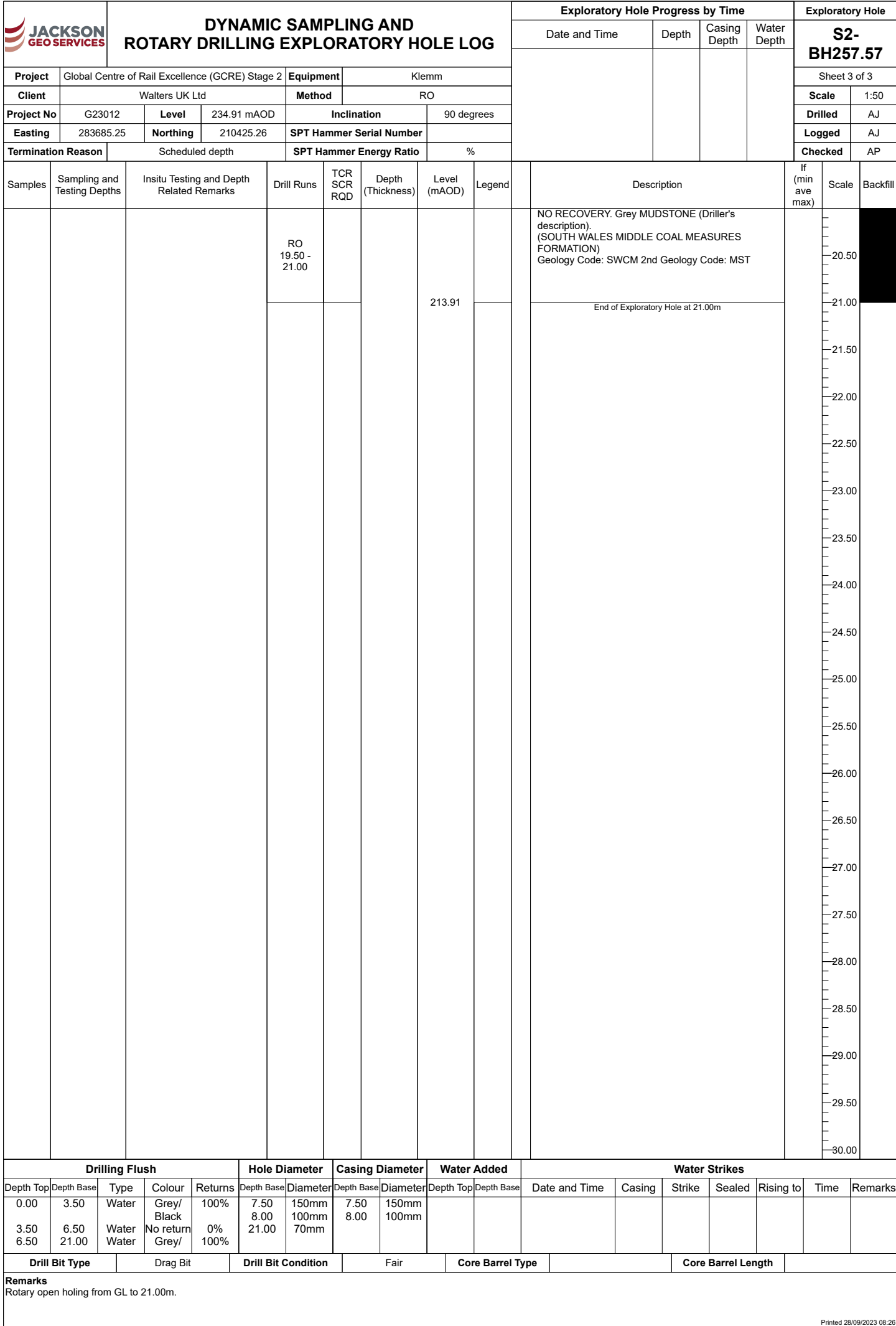


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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.57				
								14/04/2023 13:00 14/04/2023 15:00		0.00 21.00	8.00	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm						Sheet 1 of 3						
Client	Walters UK Ltd			Method	RO						Scale	1:50					
Project No	G23012		Level	234.91 mAOD		Inclination	90 degrees					Drilled	AJ				
Easting	283685.25		Northing	210425.26		SPT Hammer Serial Number						Logged	AJ				
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%					Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description			If (min ave max)	Scale	Backfill			
				RO 0.00 - 1.50		0.00	233.91		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50						
						(1.00)								NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL	1.00		
				RO 1.50 - 3.00		1.00	231.41		NO RECOVERY. Soft drilling (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM		1.50						
						(2.50)											
				RO 3.00 - 4.50		3.50	228.41		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.00						
						(3.00)											
				RO 4.50 - 6.00		6.50					2.50						
						6.00 - 7.50											
				RO 6.00 - 7.50													
													7.50 - 9.00				
RO 9.00 - 10.50																	
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	3.50	Water	Grey/Black	100%	7.50	150mm	7.50	150mm									
3.50	6.50	Water	No return	0%	8.00	100mm	8.00	100mm									
6.50	21.00	Water	Grey/	100%	21.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open holing from GL to 21.00m.																	





JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.8	
												12/04/2023 15:00 12/04/2023 17:00		0.00 20.30	3.50	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Casagrande C6					Sheet 1 of 3						
Client	Walters UK Ltd					Method	RO					Scale	1:50					
Project No	G23012		Level	236.04 mAOD		Inclination		90 degrees			Drilled	NC						
Easting	283691.65		Northing	210425.42		SPT Hammer Serial Number					Logged	NC						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%			Checked	AP						
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 0.00 - 1.50		0.00 (1.00) 1.00	235.04		NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50					
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.00					
						RO 1.50 - 3.00		(2.00)					1.50					
													2.00					
													2.50					
						RO 3.00 - 4.50		3.00	233.04		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		3.00					
													3.50					
													4.00					
													4.50					
						RO 4.50 - 6.00							5.00					
													5.50					
													6.00					
						RO 6.00 - 7.50							6.50					
													7.00					
													7.50					
						RO 7.50 - 9.00							8.00					
													8.50					
													9.00					
						RO 9.00 - 10.50							9.50					
													10.00					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
20.00	20.30	Water	No return	0%	3.50	100mm	3.50	100mm										
					20.30	70mm												
Drill Bit Type		Drag Bit			Drill Bit Condition		Fair		Core Barrel Type		Core Barrel Length							
Remarks																		
Rotary open holing from GL to 20.30m.																		
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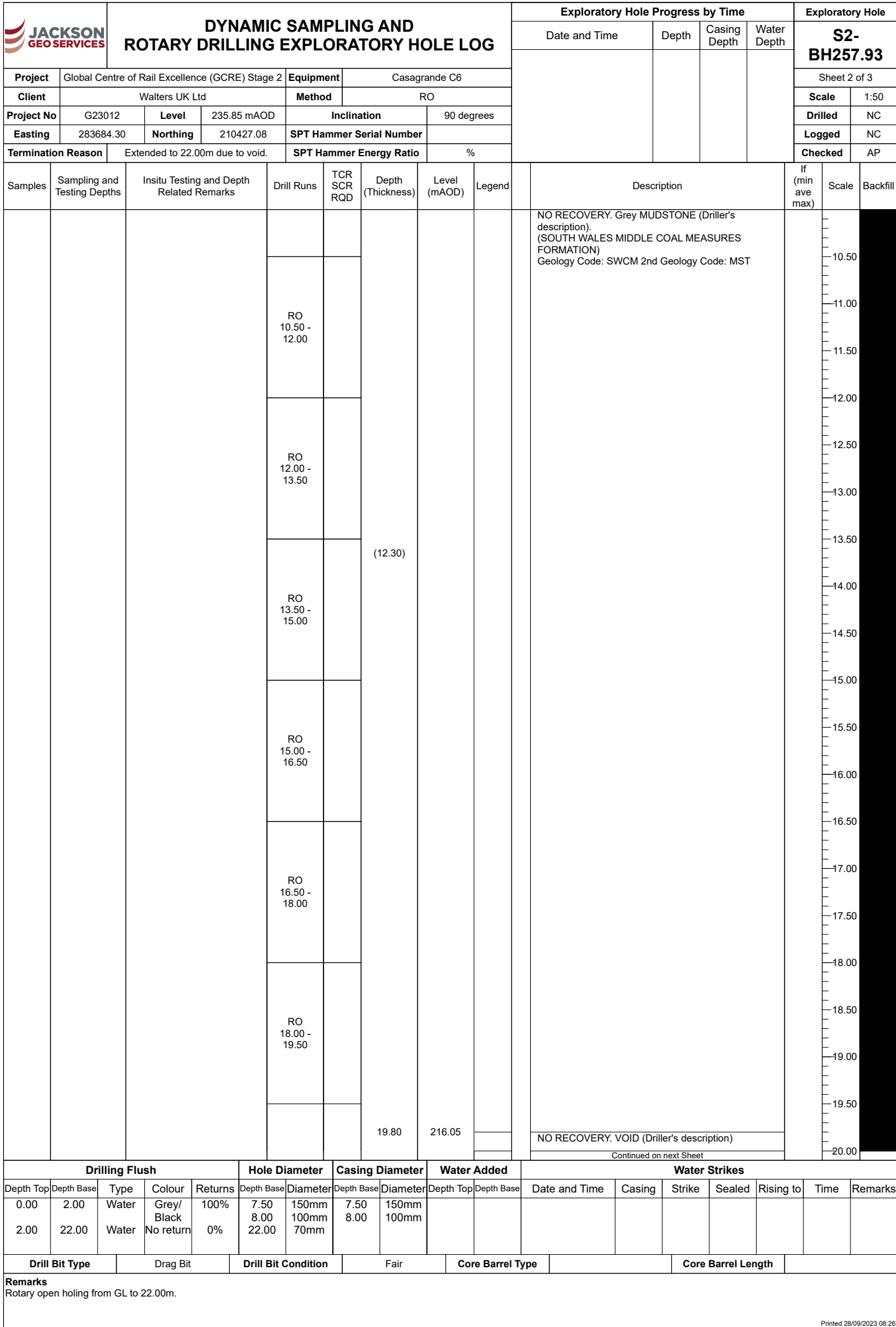


		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG								Exploratory Hole Progress by Time					Exploratory Hole		
										Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.92		
										14/04/2023 15:00 14/04/2023 17:00		0.00 22.00	8.00	Dry			
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm				Sheet 1 of 3					
Client		Walters UK Ltd				Method		RO				Scale		1:50			
Project No		G23012		Level		234.93 mAOD		Inclination		90 degrees		Drilled		AJ			
Easting		283684.34		Northing		210425.96		SPT Hammer Serial Number				Logged		AJ			
Termination Reason		Extended to 22.00m due to void.				SPT Hammer Energy Ratio		%				Checked		AP			
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description			If (min ave max)	Scale	Backfill	
					RO 0.00 - 1.50		0.00 (1.00) 1.00	233.93			NO RECOVERY. Grey MUDSTONE fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR				0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00		
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL						
											NO RECOVERY. Soft drilling (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM						
			RO 1.50 - 3.00		(2.50)		231.43										
			RO 3.00 - 4.50		(4.00)		227.43										
			RO 4.50 - 6.00														
			RO 6.00 - 7.50														
			RO 7.50 - 9.00														
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	3.50	Water	Grey/Black	100%	7.50	150mm	7.50	150mm									
3.50	7.50	Water	No return	0%	8.00	100mm	8.00	100mm									
7.50	22.00	Water	Grey/	100%	22.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open holing from GL to 22.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.92				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm				Sheet 3 of 3					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		234.93 mAOD		Inclination		90 degrees		Drilled	AJ				
Easting		283684.34		Northing		210425.96		SPT Hammer Serial Number				Logged	AJ				
Termination Reason		Extended to 22.00m due to void.				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 19.50 - 21.00		(2.00)	212.93		NO RECOVERY. VOID (Driller's description).						
						RO 21.00 - 22.00					End of Exploratory Hole at 22.00m						
																20.50	
																21.00	
																21.50	
																22.00	
																22.50	
																23.00	
																23.50	
																24.00	
																24.50	
																25.00	
																25.50	
																26.00	
																26.50	
																27.00	
																27.50	
																28.00	
																28.50	
																29.00	
																29.50	
																30.00	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	3.50	Water	Grey/Black	100%	7.50	150mm	7.50	150mm									
3.50	7.50	Water	No return	0%	8.00	100mm	8.00	100mm									
7.50	22.00	Water	Grey/	100%	22.00	70mm											
Drill Bit Type		Drag Bit			Drill Bit Condition		Fair		Core Barrel Type					Core Barrel Length			
Remarks																	
Rotary open holing from GL to 22.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.94	
												13/04/2023 14:00 13/04/2023 17:00		0.00 22.00	3.50	Dry		
												13/04/2023 14:00 13/04/2023 17:00		0.00 22.00	3.50	Dry		
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 1 of 3						
Client		Walters UK Ltd				Method		RO				Scale		1:50				
Project No		G23012		Level		235.17 mAOD		Inclination		90 degrees		Drilled		NC				
Easting		283685.67		Northing		210427.64		SPT Hammer Serial Number				Logged		NC				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked		AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill	
					RO 0.00 - 1.50		0.00 (1.00) 1.00	234.17			NO RECOVERY. Grey MUDSTONE FILL(Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00		
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL							
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	22.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm										
					3.50	150mm	3.50	100mm										
					22.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open holing from GL to 22.00m.																		
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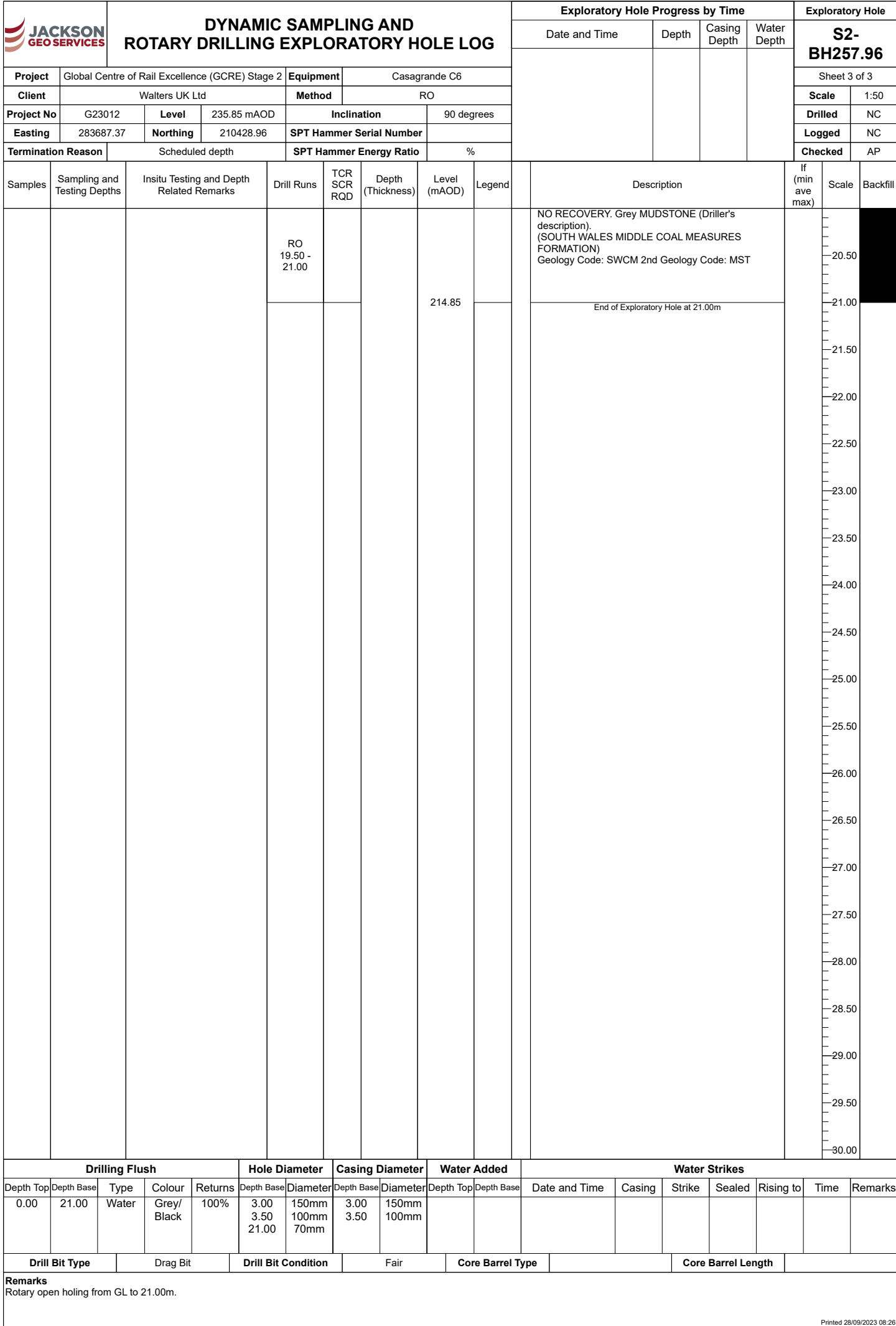
		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.94	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 2 of 3						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		235.17 mAOD		Inclination		90 degrees		Drilled	NC					
Easting		283685.67		Northing		210427.64		SPT Hammer Serial Number				Logged	NC					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 10.50 - 12.00		(17.00)					10.50					
													11.00					
													11.50					
													12.00					
						RO 12.00 - 13.50							12.50					
													13.00					
													13.50					
						RO 13.50 - 15.00							14.00					
													14.50					
													15.00					
													15.50					
						RO 15.00 - 16.50							16.00					
													16.50					
													17.00					
						RO 16.50 - 18.00							17.50					
													18.00					
													18.50					
						RO 18.00 - 19.50							19.00					
													19.50					
								19.70	215.47		NO RECOVERY. Very badly broken ground (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: GR		20.00					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	22.00	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm										
					3.50	150mm	3.50	100mm										
					22.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length						
Remarks Rotary open holing from GL to 22.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.95		
												13/04/2023 11:00 13/04/2023 14:00		0.00 21.00	3.50	Dry			
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 1 of 3							
Client		Walters UK Ltd				Method		RO				Scale		1:50					
Project No		G23012		Level		235.36 mAOD		Inclination		90 degrees		Drilled		NC					
Easting		283686.47		Northing		210428.32		SPT Hammer Serial Number				Logged		NC					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%					Checked		AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill		
						RO 0.00 - 1.50		0.00	234.36		NO RECOVERY. Grey MUDSTONE FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					0.50			
								1.00											
						RO 1.50 - 3.00		(1.50)	232.86		NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL					1.00			
								2.50											
						RO 3.00 - 4.50					NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST					1.50			
																		RO 4.50 - 6.00	
						RO 6.00 - 7.50													
																RO 7.50 - 9.00			
						RO 9.00 - 10.50													
Continued on next Sheet																			
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes								
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks		
0.00	21.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm											
					3.50	100mm	3.50	100mm											
					21.00	70mm													
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length							
Remarks																			
Rotary open holing from GL to 21.00m.																			
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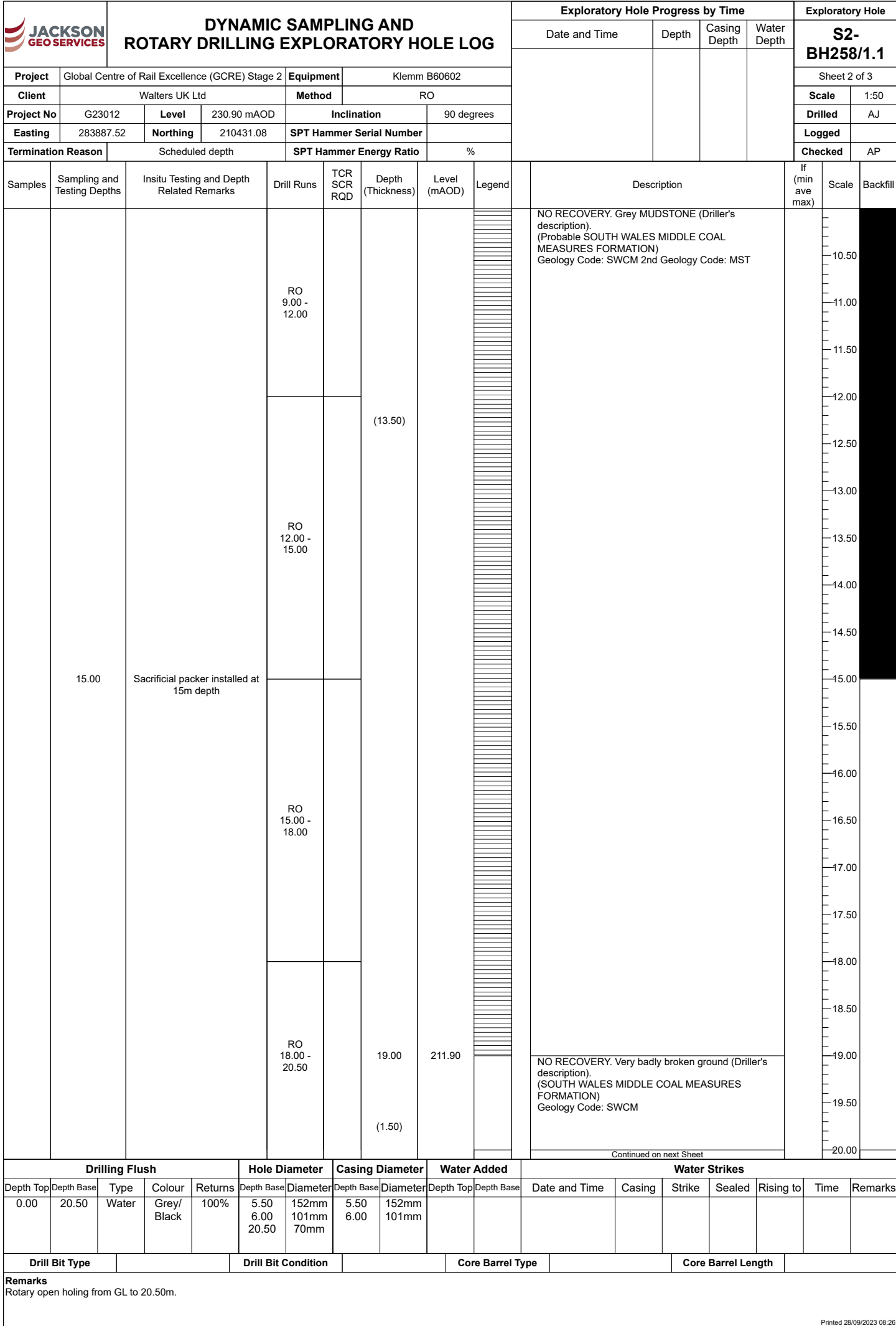
JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH257.96		
												13/04/2023 08:00 13/04/2023 11:00		0.00 21.00	3.50	Dry			
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6				Sheet 1 of 3							
Client		Walters UK Ltd				Method		RO				Scale		1:50					
Project No		G23012		Level		235.85 mAOD		Inclination		90 degrees		Drilled		NC					
Easting		283687.37		Northing		210428.96		SPT Hammer Serial Number				Logged		NC					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%					Checked		AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill		
					RO 0.00 - 1.50		0.00 (1.00) 1.00 (1.50) 2.50	234.85 233.35			NO RECOVERY. Grey MUDSTONE FILL (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00			
											NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL								
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
Continued on next Sheet																			
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes								
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks		
0.00	21.00	Water	Grey/Black	100%	3.00	150mm	3.00	150mm											
					3.50	100mm	3.50	100mm											
					21.00	70mm													
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length							
Remarks																			
Rotary open holing from GL to 21.00m.																			
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole			
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH257.96 Sheet 2 of 3 Scale1:50 DrilledNC LoggedNC CheckedAP			
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Casagrande C6												
Client		Walters UK Ltd				Method		RO												
Project No		G23012		Level		235.85 mAOD		Inclination		90 degrees										
Easting		283687.37		Northing		210428.96		SPT Hammer Serial Number												
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%												
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description				If (min ave max)	Scale	Backfill			
								(18.50)			NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
						RO 10.50 - 12.00														
						RO 12.00 - 13.50														
						RO 13.50 - 15.00														
						RO 15.00 - 16.50														
						RO 16.50 - 18.00														
						RO 18.00 - 19.50														
Continued on next Sheet																				
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes									
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks			
0.00	21.00	Water	Grey/ Black	100%	3.00	150mm	3.00	150mm												
					3.50	100mm	3.50	100mm												
					21.00	70mm														
Drill Bit Type		Drag Bit		Drill Bit Condition		Fair		Core Barrel Type				Core Barrel Length								
Remarks																				
Rotary open holing from GL to 21.00m.																				
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.1					
								28/04/2023 08:00 28/04/2023 10:30		0.00 20.50	6.00	Dry						
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 3								
Client	Walters UK Ltd			Method	RO					Scale	1:50							
Project No	G23012	Level	230.90 mAOD	Inclination	90 degrees					Drilled	AJ							
Easting	283887.52	Northing	210431.08	SPT Hammer Serial Number						Logged								
Termination Reason	Scheduled depth			SPT Hammer Energy Ratio	%					Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill						
	5.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 6.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.40		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR									
				RO 1.50 - 3.00		(5.00)	225.40						NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR					
				RO 3.00 - 4.50														
				RO 4.50 - 5.50														
				RO 5.50 - 6.00														
				RO 6.00 - 9.00														
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.50	Water	Grey/Black	100%	5.50 6.00 20.50	152mm 101mm 70mm	5.50 6.00	152mm 101mm										
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open holing from GL to 20.50m.																		

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.1	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 3 of 3						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.90 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283887.52		Northing		210431.08		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
								210.40			NO RECOVERY. Very badly broken ground (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM End of Exploratory Hole at 20.50m		20.50					
													21.00					
													21.50					
													22.00					
													22.50					
													23.00					
													23.50					
													24.00					
													24.50					
													25.00					
													25.50					
													26.00					
													26.50					
													27.00					
													27.50					
													28.00					
													28.50					
													29.00					
													29.50					
													30.00					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.50	Water	Grey/Black	100%	5.50	152mm	5.50	152mm										
					6.00	101mm	6.00	101mm										
					20.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 20.50m.																		
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.2 Sheet 1 of 3 Scale 1:50 Drilled AJ Logged Checked AP
28/04/2023 10:30		0.00	6.00	Dry	
28/04/2023 13:00		20.50			

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.50	Water	Grey/ Black	100%	5.50 6.00 20.50	152mm 101mm 70mm	5.50 6.00	152mm 101mm										
Drill Bit Type					Drill Bit Condition						Core Barrel Type					Core Barrel Length		

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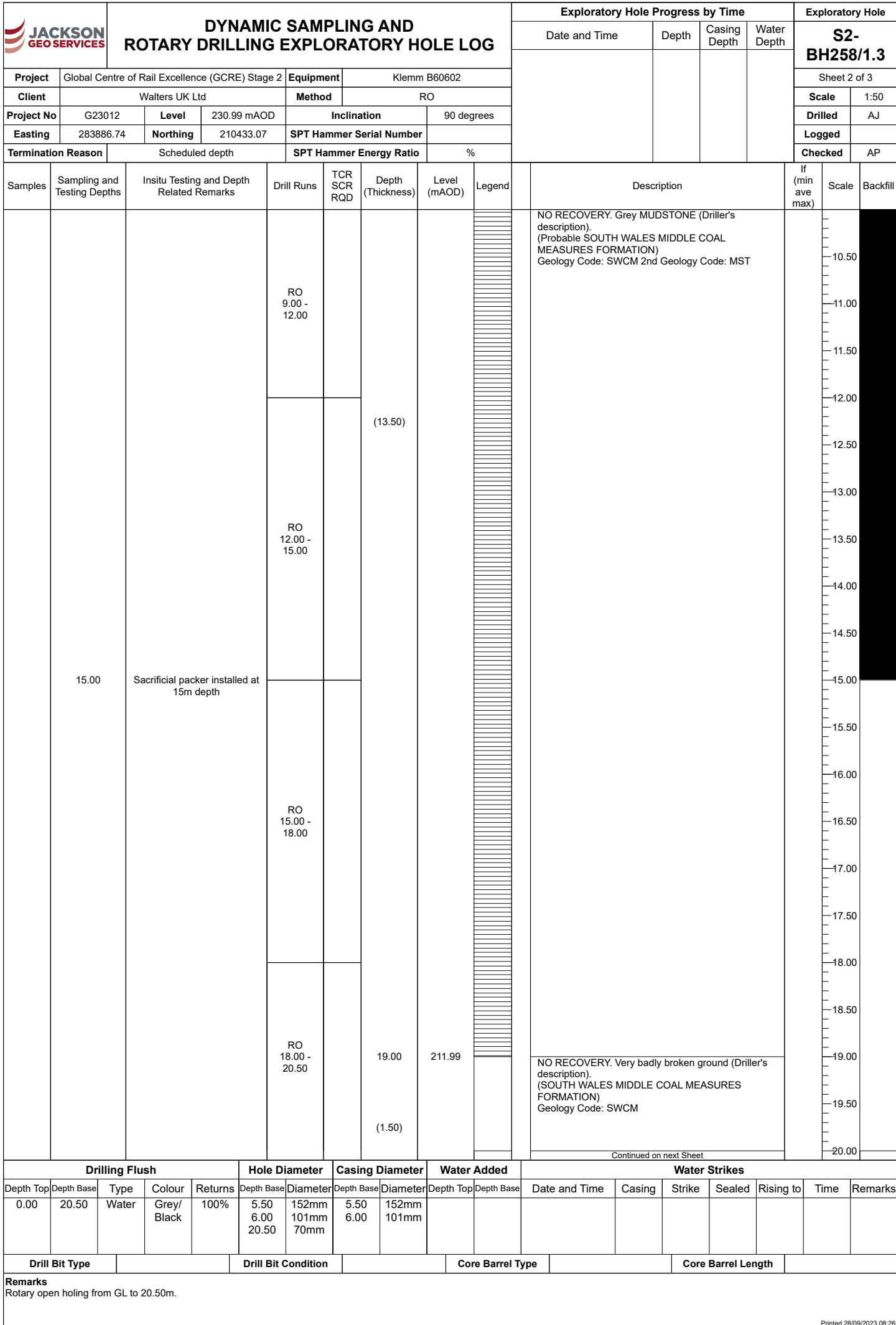
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH258/1.2	
				Sheet 2 of 3	
				Scale	1:50
				Drilled	AJ
				Logged	
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.50	Water	Grey/ Black	100%	5.50 6.00 20.50	152mm 101mm 70mm	5.50 6.00	152mm 101mm									
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length		

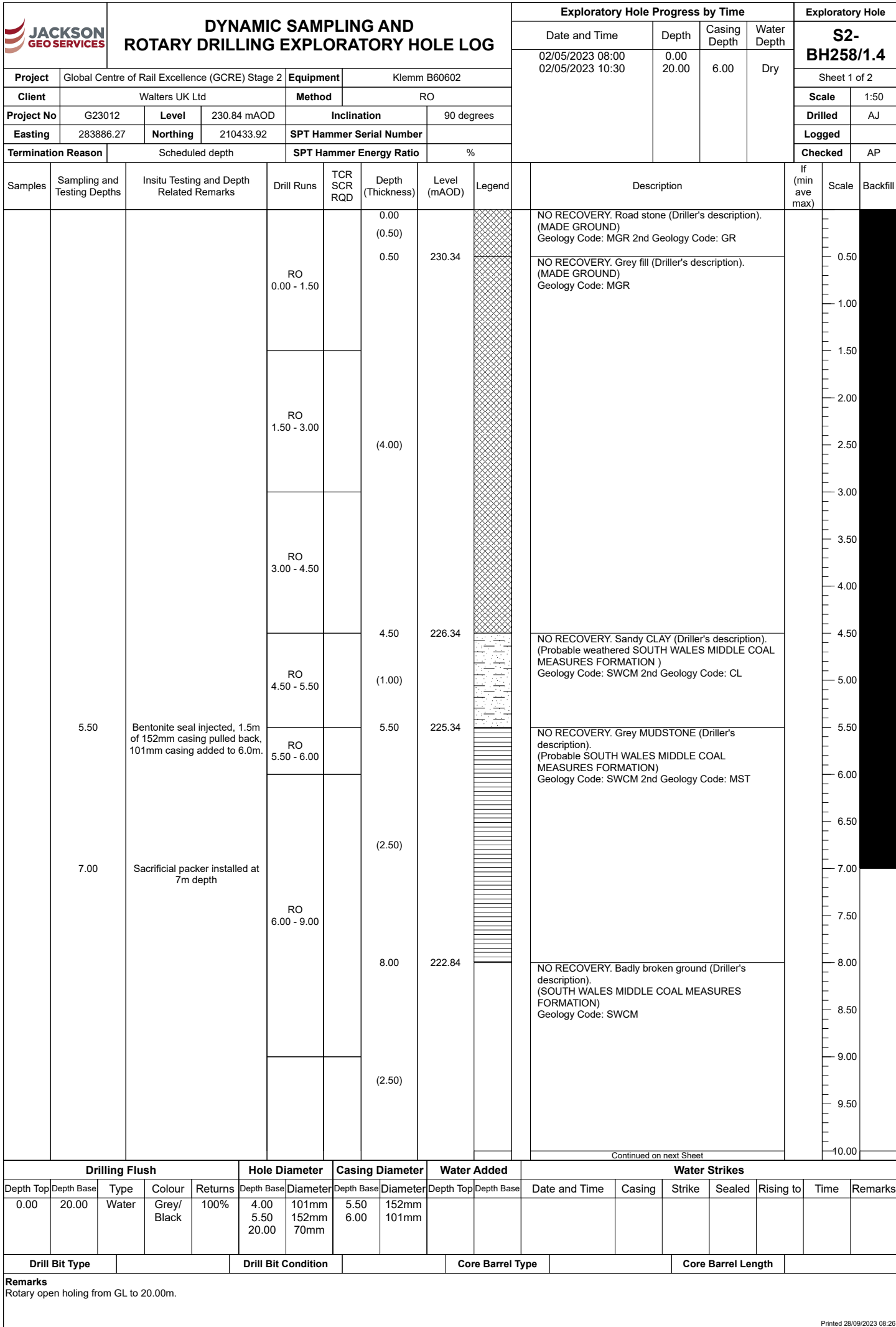
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole							
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/1.3						
								28/04/2023 13:00 28/04/2023 15:00		0.00 20.50	6.00	Dry							
								Sheet 1 of 3											
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Scale		1:50							
Client	Walters UK Ltd			Method	RO					Drilled		AJ							
Project No	G23012		Level	230.99 mAOD		Inclination	90 degrees				Logged								
Easting	283886.74		Northing	210433.07		SPT Hammer Serial Number					Checked		AP						
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%												
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill						
	5.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 6.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.49		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR										
				RO 1.50 - 3.00		(5.00)								NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR					
				RO 4.50 - 5.50		5.50	225.49								NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST				
				RO 5.50 - 6.00															
RO 6.00 - 9.00																			
Continued on next Sheet																			
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes								
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks		
0.00	20.50	Water	Grey/Black	100%	5.50	152mm	5.50	152mm											
					6.00	101mm	6.00	101mm											
					20.50	70mm													
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length				
Remarks Rotary open holing from GL to 20.50m.																			



		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.3	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 3 of 3						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.99 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283886.74		Northing		210433.07		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
								210.49			NO RECOVERY. Very badly broken ground (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM End of Exploratory Hole at 20.50m		20.50					
													21.00					
													21.50					
													22.00					
													22.50					
													23.00					
													23.50					
													24.00					
													24.50					
													25.00					
													25.50					
													26.00					
													26.50					
													27.00					
													27.50					
													28.00					
													28.50					
													29.00					
													29.50					
													30.00					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.50	Water	Grey/Black	100%	5.50	152mm	5.50	152mm										
					6.00	101mm	6.00	101mm										
					20.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 20.50m.																		
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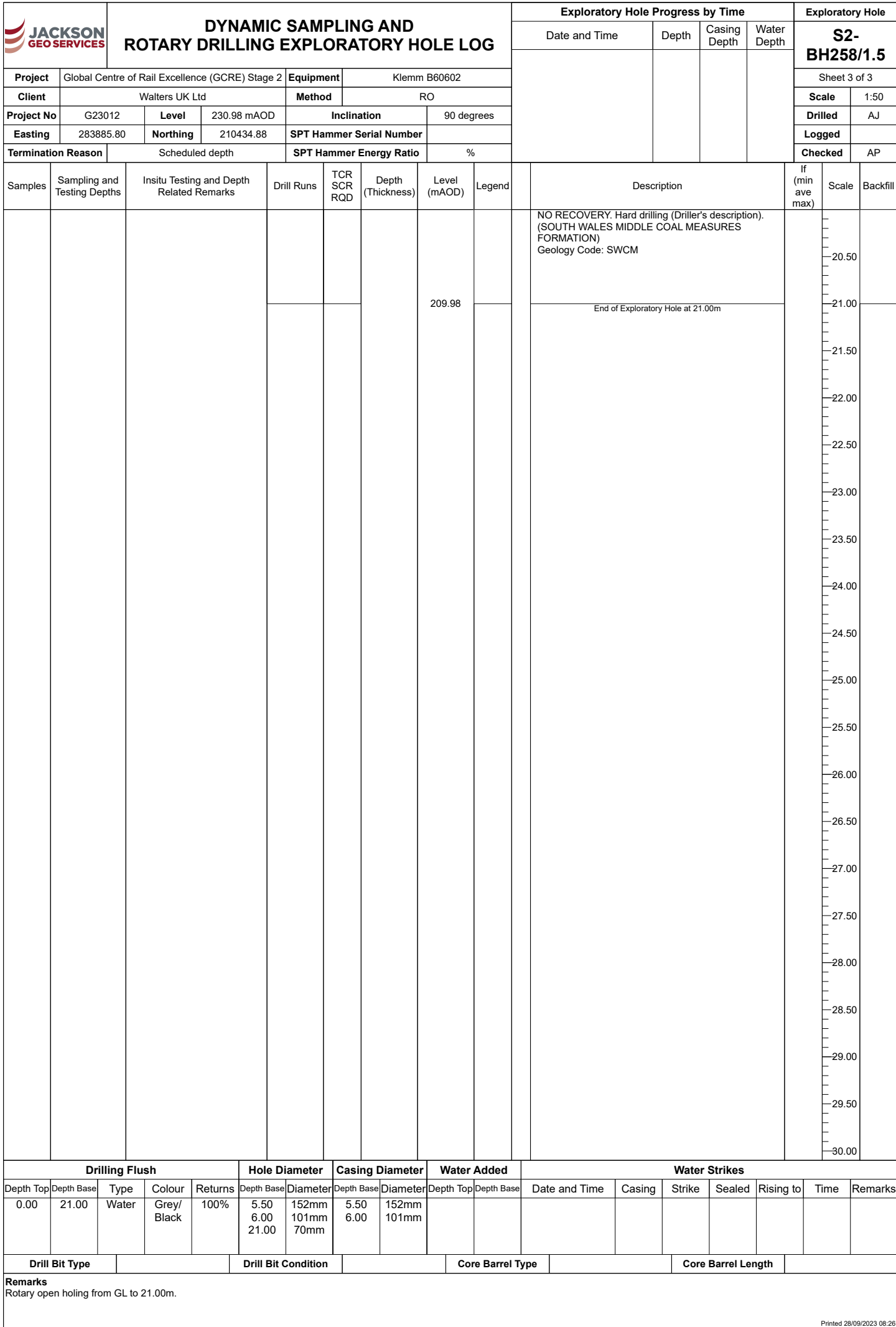


		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.4					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.84 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283886.27		Northing		210433.92		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 9.00 - 12.00		10.50	220.34		NO RECOVERY. Badly broken ground (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM		10.50					
											NO RECOVERY. Hard drilling (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM		11.00					
													11.50					
													12.00					
													12.50					
													13.00					
						RO 12.00 - 15.00							13.50					
													14.00					
													14.50					
													15.00					
													15.50					
													16.00					
													16.50					
													17.00					
													17.50					
													18.00					
													18.50					
						RO 15.00 - 18.00							19.00					
													19.50					
													20.00					
						RO 18.00 - 20.00		19.00	211.84		NO RECOVERY. Very badly broken ground (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM							
									210.84		End of Exploratory Hole at 20.00m							
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	4.00	101mm	5.50	152mm										
					5.50	152mm	6.00	101mm										
					20.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 20.00m.																		

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/1.5	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 3						
Client		Walters UK Ltd				Method		RO				Scale 1:50						
Project No		G23012		Level		230.98 mAOD		Inclination		90 degrees		Drilled AJ						
Easting		283885.80		Northing		210434.88		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill			
						RO 9.00 - 12.00		10.50	220.48		NO RECOVERY. Badly broken ground (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM			10.50				
											NO RECOVERY. Hard drilling (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM			11.00				
														11.50				
														12.00				
														12.50				
														13.00				
						RO 12.00 - 15.00								13.50				
														14.00				
														14.50				
														15.00				
														15.50				
								(10.50)						16.00				
														16.50				
														17.00				
														17.50				
														18.00				
														18.50				
														19.00				
														19.50				
						RO 18.00 - 21.00								20.00				
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	21.00	Water	Grey/Black	100%	5.50	152mm	5.50	152mm										
					6.00	101mm	6.00	101mm										
					21.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 21.00m.																		
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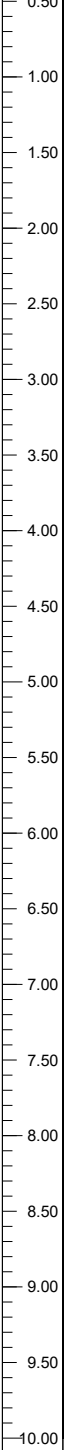
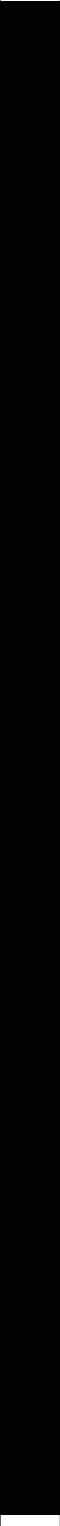
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/2.3
03/05/2023 08:00 03/05/2023 10:30		0.00 20.50	6.00	Dry	
Sheet 1 of 3					
Scale		1:50			
Drilled		AJ			
Logged					
Checked		AP			

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	15.00	Water	Grey/ Black	100%	5.50	152mm	5.50	152mm									
15.00	18.00	Water	No return	0%	6.00	101mm	6.00	101mm									
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length		

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/2.3					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 3						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.89 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283869.28		Northing		210422.48		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
	12.00	Sacrificial packer installed at 12m depth				RO 9.00 - 12.00					NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50					
													11.00					
						RO 12.00 - 15.00		15.00	215.89				11.50					
													12.00					
													12.50					
													13.00					
													13.50					
													14.00					
													14.50					
													15.00					
													15.50					
													16.00					
													16.50					
													17.00					
													17.50					
													18.00					
													18.50					
													19.00					
													19.50					
													20.00					
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	15.00	Water	Grey/Black	100%	5.50	152mm	5.50	152mm										
15.00	18.00	Water	No return	0%	6.00	101mm	6.00	101mm										
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 18.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/2.4					
								04/05/2023 10:30 04/05/2023 13:00		0.00 18.00	6.00	Dry						
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2								
Client	Walters UK Ltd			Method	RO					Scale	1:50							
Project No	G23012	Level	230.99 mAOD	Inclination		90 degrees				Drilled	AJ							
Easting	283869.72	Northing	210421.69	SPT Hammer Serial Number						Logged								
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill						
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.49		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR									
				RO 1.50 - 3.00		(4.00)	NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR											
				RO 3.00 - 4.50														
				RO 4.50 - 5.50		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST												
				RO 5.50 - 6.00														
				RO 6.00 - 9.00														
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.00	Water	Grey/Black	100%	5.50 6.00 18.00	152mm 101mm 70mm	5.50 6.00	152mm 101mm										
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open holing from GL to 18.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/2.4					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.99 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283869.72		Northing		210421.69		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 9.00 - 12.00		(13.50)			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 12.00 - 15.00												
						RO 15.00 - 18.00												
									212.99		End of Exploratory Hole at 18.00m							
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.00	Water	Grey/Black	100%	5.50	152mm	5.50	152mm										
					6.00	101mm	6.00	101mm										
					18.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 18.00m.																		
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/2.5					
								04/05/2023 13:00 04/05/2023 15:30		0.00 18.00	5.00	Dry						
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2								
Client	Walters UK Ltd			Method	RO					Scale	1:50							
Project No	G23012	Level	230.82 mAOD	Inclination		90 degrees				Drilled	AJ							
Easting	283867.50	Northing	210425.05	SPT Hammer Serial Number						Logged								
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill						
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.32		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR									
				RO 1.50 - 3.00		(4.00)	NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR											
				RO 3.00 - 4.50														
				RO 4.50 - 5.00		4.50	226.32		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
				RO 5.00 - 6.00														
				RO 6.00 - 9.00														
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					18.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open holing from GL to 18.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/2.5					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		230.82 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283867.50		Northing		210425.05		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 9.00 - 12.00		(13.50)			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 12.00 - 15.00												
						RO 15.00 - 18.00												
									212.82		End of Exploratory Hole at 18.00m							
Drilling Flush				Hole Diameter		Casing Diameter		Water Added		Water Strikes								
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					18.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 18.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/3.1				
								05/05/2023 08:00 05/05/2023 10:30		0.00 20.00	6.00	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	231.25 mAOD	Inclination		90 degrees				Drilled	AJ						
Easting	283905.07	Northing	210450.47	SPT Hammer Serial Number						Logged							
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.75		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR								
				RO 1.50 - 3.00		(3.50)			NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR								
				RO 3.00 - 4.50		4.00							NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST				
				RO 4.50 - 5.00													
				RO 5.00 - 6.00													
				RO 6.00 - 9.00										(8.50)			
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.50	152mm	5.00	101mm									
					5.00	101mm	5.50	152mm									
					20.00	70mm											
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length		
Remarks Rotary open holing from GL to 20.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/3.2				
								05/05/2023 10:30 05/05/2023 13:00		0.00 20.00	5.00	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	231.32 mAOD	Inclination		90 degrees				Drilled	AJ						
Easting	283905.79	Northing	210449.64	SPT Hammer Serial Number						Logged							
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.82		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00						
								NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR									
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm									
					5.00	101mm	5.00	101mm									
					20.00	70mm											
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length		
Remarks Rotary open holing from GL to 20.00m.																	

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole												
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/3.3											
								05/05/2023 13:00 05/05/2023 14:30		0.00 20.00	5.00	Dry												
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2														
Client	Walters UK Ltd			Method	RO					Scale	1:50													
Project No	G23012		Level	231.24 mAOD		Inclination	90 degrees		Drilled		AJ													
Easting	283906.14		Northing	210448.63		SPT Hammer Serial Number			Logged															
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked		AP													
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill											
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.74		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00													
				RO 1.50 - 3.00		(3.50)		NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR																
				RO 3.00 - 4.50		4.00	227.24		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST															
				RO 4.50 - 5.00																				
				RO 5.00 - 6.00																				
				RO 6.00 - 9.00		(8.80)																		
				Continued on next Sheet																				
				Drilling Flush				Hole Diameter					Casing Diameter		Water Added		Water Strikes							
				Depth Top	Depth Base	Type	Colour	Returns	Depth Base				Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
				0.00	20.00	Water	Grey/Black	100%	4.50 5.00 20.00				152mm 101mm 70mm	4.50 5.00	152mm 101mm									
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length									
Remarks Rotary open holing from GL to 20.00m.																								
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/3.3					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale 1:50						
Project No		G23012		Level		231.24 mAOD		Inclination		90 degrees		Drilled AJ						
Easting		283906.14		Northing		210448.63		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill			
						RO 9.00 - 12.00		12.80 (0.70)	218.44		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50					
						RO 12.00 - 15.00		13.50 (1.00)	217.74		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		13.00					
						RO 15.00 - 18.00		14.50 (1.50)	216.74		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		13.50					
RO 19.00 - 20.00		(4.00)	215.24		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		14.00											
211.24										End of Exploratory Hole at 20.00m		14.50						
												15.00						
												15.50						
												16.00						
												16.50						
												17.00						
												17.50						
												18.00						
												18.50						
												19.00						
												19.50						
												20.00						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					20.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 20.00m.																		

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole													
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/3.4												
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Klemm B60602				Sheet 2 of 2															
Client	Walters UK Ltd				Method	RO				Scale	1:50														
Project No	G23012		Level	231.18 mAOD		Inclination	90 degrees		Drilled	AJ															
Easting	283906.77		Northing	210447.80		SPT Hammer Serial Number			Logged																
Termination Reason	Scheduled depth				SPT Hammer Energy Ratio	%		Checked	AP																
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill													
				RO 9.00 - 12.00		12.80 (0.70)	218.38		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50														
				RO 12.00 - 15.00							13.50 (1.00)		217.68		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL	11.00									
																RO 15.00 - 18.00	16.00 (1.50)	216.68		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	11.50				
																					RO 19.00 - 20.00	215.18		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL	12.00
																									12.50
				RO 19.00 - 20.00							211.18			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	13.00										
															13.50										
				RO 19.00 - 20.00										NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL	14.00										
															14.50										
				RO 19.00 - 20.00										NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	15.00										
15.50																									
RO 19.00 - 20.00			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	16.00																					
				16.50																					
RO 19.00 - 20.00			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	17.00																					
				17.50																					
RO 19.00 - 20.00			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	18.00																					
				18.50																					
RO 19.00 - 20.00			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	19.00																					
				19.50																					
RO 19.00 - 20.00			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	20.00																					
End of Exploratory Hole at 20.00m																									
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes														
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks								
0.00	20.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm																	
					5.00	101mm	5.00	101mm																	
					20.00	70mm																			
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length										
Remarks																									
Rotary open holing from GL to 20.00m.																									
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/3.5					
								05/05/2023 16:30 05/05/2023 18:00		0.00 20.00	5.00	Dry						
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2								
Client	Walters UK Ltd			Method	RO					Scale	1:50							
Project No	G23012		Level	231.14 mAOD		Inclination	90 degrees				Drilled	AJ						
Easting	283907.30		Northing	210446.85		SPT Hammer Serial Number					Logged							
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill					
	4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m.		RO 0.00 - 1.50		0.00 (0.50) 0.50	230.64		NO RECOVERY. Road stone (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00							
				RO 1.50 - 3.00		(3.50)		NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR										
				RO 3.00 - 4.50		4.00	227.14		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
				RO 4.50 - 5.00														
				RO 5.00 - 6.00														
				RO 6.00 - 9.00		(8.80)												
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	4.50 5.00 20.00	152mm 101mm 70mm	4.50 5.00	152mm 101mm										
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open holing from GL to 20.00m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/3.5					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		231.14 mAOD		Inclination		90 degrees		Drilled	AJ					
Easting		283907.30		Northing		210446.85		SPT Hammer Serial Number				Logged						
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 9.00 - 12.00					NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50					
													11.00					
													11.50					
													12.00					
													12.50					
						RO 12.00 - 15.00		12.80 (0.70)	218.34		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		13.00					
													13.50					
								13.50 (1.00)	217.64		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		14.00					
													14.50					
								14.50 (1.50)	216.64		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		15.00					
													15.50					
													16.00					
						RO 15.00 - 18.00		16.00 (4.00)	215.14		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		16.50					
													17.00					
													17.50					
													18.00					
													18.50					
													19.00					
													19.50					
						RO 19.00 - 20.00							20.00					
														End of Exploratory Hole at 20.00m				
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					20.00	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 20.00m.																		
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH258/4.1	
												10/05/2023 08:00 10/05/2023 10:30		0.00 19.50	5.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Klemm B60602				Sheet 1 of 2								
Client	Walters UK Ltd				Method	RO				Scale	1:50							
Project No	G23012		Level	230.77 mAOD		Inclination		90 degrees		Drilled	AJ							
Easting	283850.59		Northing	210416.45		SPT Hammer Serial Number				Logged								
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
							0.00 (0.05) 0.05	230.72		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR								
					RO 0.00 - 1.50						0.50							
											1.00							
											1.50							
											2.00							
					RO 1.50 - 3.00		(4.45)				2.50							
											3.00							
	3.00 - 4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.5m									3.50							
					RO 3.00 - 4.50						4.00							
											4.50							
					RO 4.50 - 5.00		4.50	226.27		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST	4.50							
					RO 5.00 - 6.00						5.00							
											5.50							
											6.00							
											6.50							
											7.00							
					RO 6.00 - 9.00						7.50							
											8.00							
											8.50							
											9.00							
											9.50							
											10.00							
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	19.50	Water	Grey/black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					19.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 19.50m.																		
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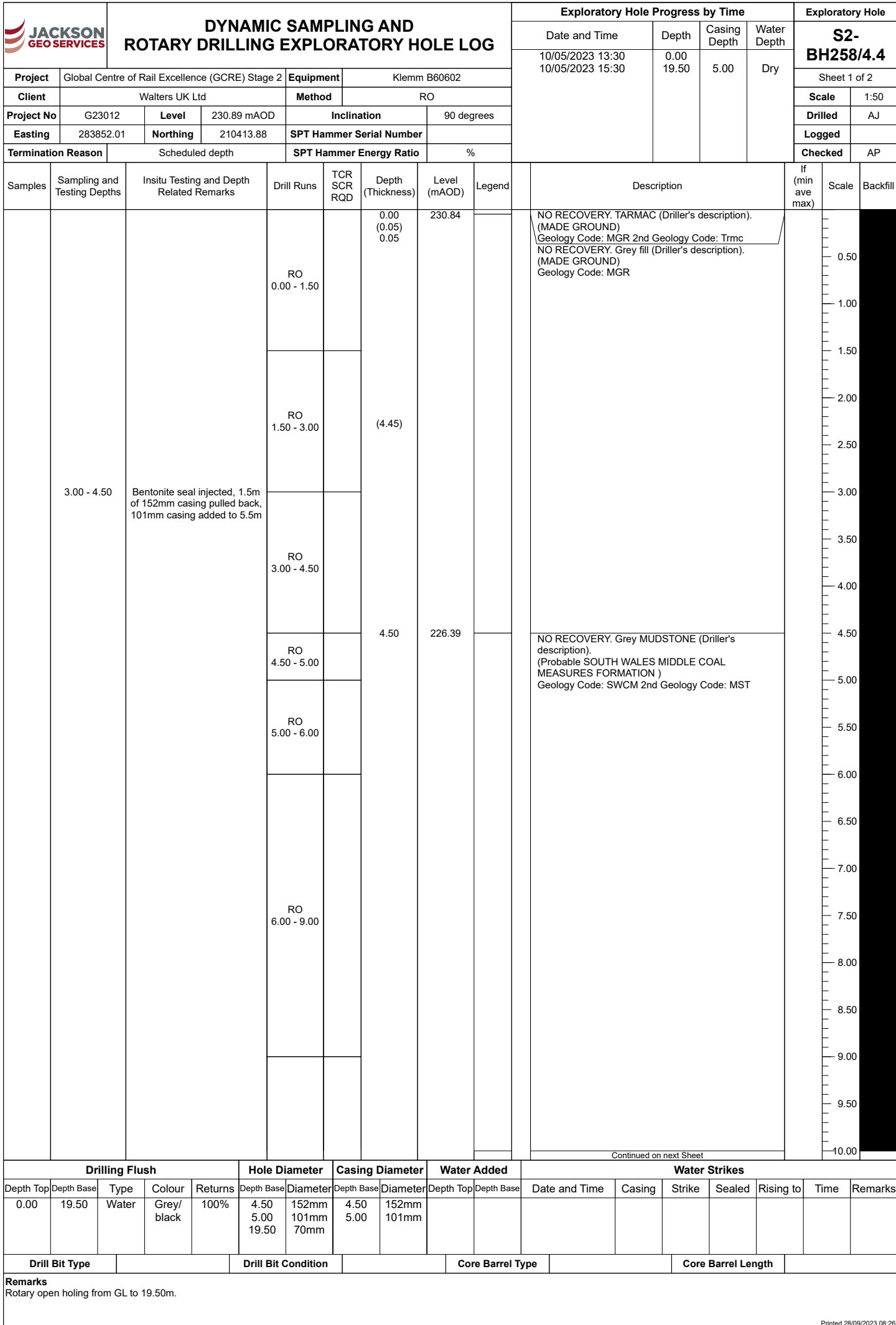
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/4.2					
								10/05/2023 10:30 10/05/2023 12:00		0.00 19.50	5.00	Dry						
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm B60602					Sheet 1 of 2								
Client	Walters UK Ltd			Method	RO					Scale	1:50							
Project No	G23012	Level	230.85 mAOD	Inclination		90 degrees				Drilled	AJ							
Easting	283851.11	Northing	210415.61	SPT Hammer Serial Number						Logged								
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill						
	3.00 - 4.50	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.5m		RO 0.00 - 1.50		0.00 (0.05) 0.05	230.80		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY: Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00							
				RO 1.50 - 3.00		(4.45)												
				RO 3.00 - 4.50														
				RO 4.50 - 5.00		4.50	226.35	NO RECOVERY: Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST										
				RO 5.00 - 6.00														
				RO 6.00 - 9.00														
				Continued on next Sheet														
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	19.50	Water	Grey/black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					19.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open holing from GL to 19.50m.																		

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/4.3	
												10/05/2023 12:00 10/05/2023 13:30		0.00 19.50	5.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Klemm B60602				Sheet 1 of 2								
Client	Walters UK Ltd				Method	RO				Scale	1:50							
Project No	G23012		Level	230.87 mAOD		Inclination		90 degrees		Drilled	AJ							
Easting	283851.55		Northing	210414.71		SPT Hammer Serial Number				Logged								
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
							0.00 (0.05) 0.05	230.82		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY. Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR								
					RO 0.00 - 1.50						0.50							
											1.00							
											1.50							
					RO 1.50 - 3.00		(4.45)				2.00							
											2.50							
											3.00							
											3.50							
					RO 3.00 - 4.50						4.00							
											4.50							
	4.50 - 5.00	Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.5m			RO 4.50 - 5.00		4.50	226.37		NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
											5.00							
					RO 5.00 - 6.00						5.50							
											6.00							
											6.50							
											7.00							
											7.50							
					RO 6.00 - 9.00						8.00							
											8.50							
											9.00							
											9.50							
											10.00							
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	19.50	Water	Grey/black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					19.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 19.50m.																		
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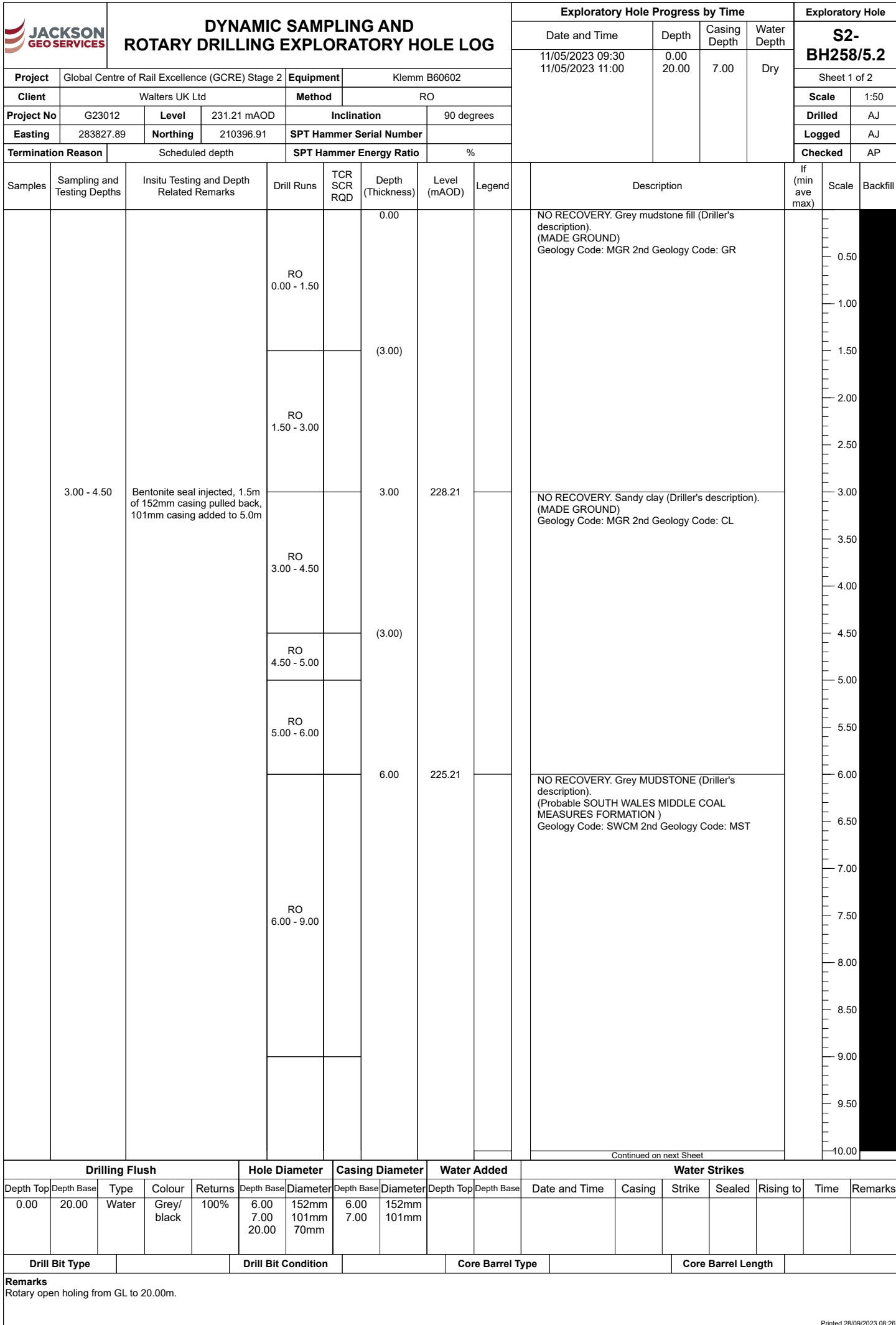
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/4.5	
												10/05/2023 15:30 10/05/2023 17:30		0.00 18.50	5.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Klemm B60602				Sheet 1 of 2								
Client	Walters UK Ltd				Method	RO				Scale	1:50							
Project No	G23012		Level	230.96 mAOD		Inclination		90 degrees		Drilled	AJ							
Easting	283852.27		Northing	210413.09		SPT Hammer Serial Number				Logged								
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
	3.00 - 4.50		Bentonite seal injected, 1.5m of 152mm casing pulled back, 101mm casing added to 5.0m		RO 0.00 - 1.50		0.00 (0.05) 0.05	230.91		NO RECOVERY. TARMAC (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc NO RECOVERY: Grey fill (Driller's description). (MADE GROUND) Geology Code: MGR		0.50						
					RO 1.50 - 3.00		(4.45)					1.00						
					RO 3.00 - 4.50							1.50						
					RO 4.50 - 5.00		4.50	226.46				2.00						
					RO 5.00 - 6.00					NO RECOVERY: Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.50						
					RO 6.00 - 9.00							3.00						
												3.50						
												4.00						
												4.50						
												5.00						
												5.50						
												6.00						
												6.50						
												7.00						
												7.50						
												8.00						
												8.50						
												9.00						
												9.50						
												10.00						
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.50	Water	Grey/black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					18.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 18.50m.																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH258/4.5					
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm B60602		Sheet 2 of 2								
Client		Walters UK Ltd				Method		RO		Scale	1:50							
Project No		G23012		Level		230.96 mAOD		Inclination		90 degrees								
Easting		283852.27		Northing		210413.09		SPT Hammer Serial Number										
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
	11.00 - 12.00	Sacrificial packer installed at 12m				RO 9.00 - 12.00		(11.50)			NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
						RO 12.00 - 15.00												
						RO 15.00 - 18.00		16.00	214.96		NO RECOVERY. Broken ground (Driller's description).							
						RO 18.00 - 18.50		(2.50)										
									212.46		End of Exploratory Hole at 18.50m							
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	18.50	Water	Grey/black	100%	4.50	152mm	4.50	152mm										
					5.00	101mm	5.00	101mm										
					18.50	70mm												
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open holing from GL to 18.50m.																		
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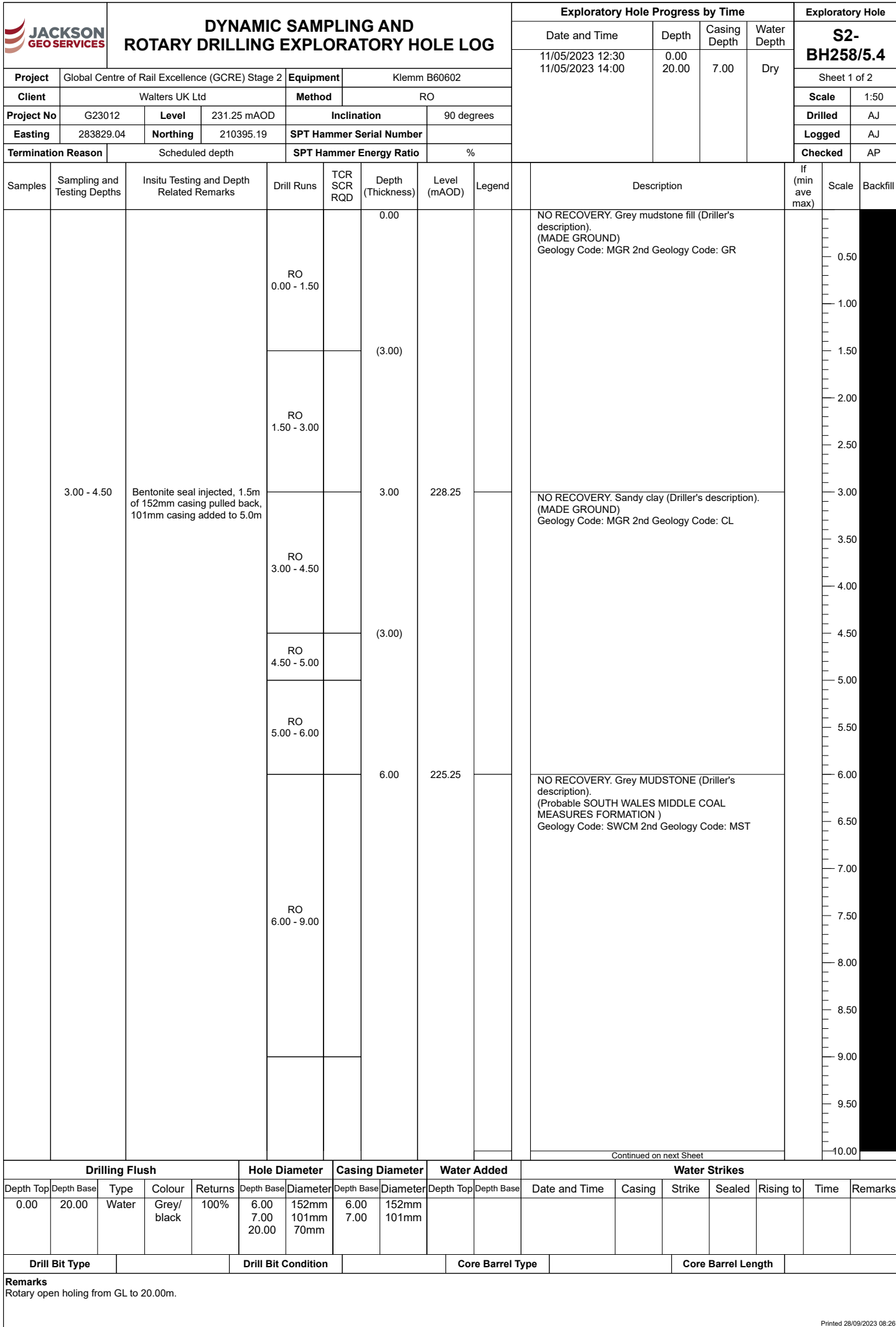




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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH259.1	
04/04/2023 08:00 04/04/2023 10:13	0.00 20.00	4.50	Dry		
				Sheet 1 of 2	
				Scale	1:50
				Drilled	JG
				Logged	JG
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	150mm 100mm									
Drill Bit Type		Drag Bit			Drill Bit Condition		Good		Core Barrel Type		Core Barrel Length						

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.10				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale 1:50					
Project No		G23012		Level		227.45 mAOD		Inclination		90 degrees		Drilled JG					
Easting		283902.40		Northing		210409.70		SPT Hammer Serial Number				Logged JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 10.00 - 13.00		10.40	217.05		NO RECOVERY Black SHALE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SZT		10.50 11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00 16.50 17.00 17.50 18.00 18.50 19.00 19.50 20.00				
								(1.60)			NO RECOVERY COAL (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL						
						RO 13.00 - 16.00		12.00	215.45		NO RECOVERY Grey MUDSTONE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
								(8.00)									
				RO 16.00 - 19.00													
				RO 19.00 - 20.00				207.45			End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	grey/black	100%	4.00	150mm	4.00	152mm									
					4.50	100mm	4.50	101mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.11
06/04/2023 12:10 06/04/2023 14:10		0.00 20.00	4.50	Dry	
Sheet 1 of 2					
					Scale1:50
					DrilledJG
					LoggedJG
					CheckedAP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	152mm 101mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type		Core Barrel Length							

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.11				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale 1:50					
Project No		G23012		Level		227.44 mAOD		Inclination		90 degrees		Drilled JG					
Easting		283903.28		Northing		210409.12		SPT Hammer Serial Number				Logged JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 10.00 - 13.00		(2.00)	215.44		NO RECOVERY COAL (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL						
											NO RECOVERY Grey MUDSTONE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 13.00 - 16.00		(8.00)									
						RO 16.00 - 19.00											
									207.44		End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	152mm									
					4.50	100mm	4.50	101mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.12				
								06/04/2023 14:15 06/04/2023 16:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012		Level	227.43 mAOD		Inclination	90 degrees		Drilled		JG						
Easting	283904.08		Northing	210408.56		SPT Hammer Serial Number			Logged		JG						
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked		AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
			RO 0.00 - 2.00			0.00	225.83		NO RECOVERY Fill/Brick/Rubble (Driller's Description) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00						
						(1.60)							NO RECOVERY Sandy CLAY (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL				
						1.60			NO RECOVERY Black SHALE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SZT								
						(1.50)											
						3.10											
2.00 - 4.00																	
RO 4.00 - 7.00																	
	(6.90)																
10.00	217.43	Continued on next Sheet		10.00													
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	152mm									
					4.50	100mm	4.50	101mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.13 Sheet 2 of 2 Scale 1:50 Drilled JG Logged JG Checked AP				
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601												
Client	Walters UK Ltd			Method	RO												
Project No	G23012		Level	227.53 mAOD		Inclination	90 degrees										
Easting	283905.13		Northing	210408.01		SPT Hammer Serial Number											
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%										
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill				
				RO 10.00 - 13.00		(2.00)	12.00	215.53	NO RECOVERY COAL (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL								
									NO RECOVERY Grey MUDSTONE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
						RO 13.00 - 16.00		(8.00)									
RO 19.00 - 20.00																	
End of Exploratory Hole at 20.00m																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	152mm									
					4.50	100mm	4.50	101mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.14 Sheet 1 of 2 Scale 1:50 Drilled JG Logged JG Checked AP
11/04/2023 08:00		0.00	4.50	Dry	
11/04/2023 10:00		20.00			

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	152mm 101mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type		Core Barrel Length							

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.15 Sheet 1 of 2 Scale 1:50 Drilled JG Logged JG Checked AP
11/04/2023 10:00		0.00	4.50	Dry	
11/04/2023 12:00		20.00			

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	152mm 101mm									
Drill Bit Type		Drag Bit			Drill Bit Condition		Good		Core Barrel Type					Core Barrel Length			
Remarks																	
Rotary open hole from GL to 20.00m																	
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole									
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.17								
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2									
Client		Walters UK Ltd				Method		RO				Scale 1:50									
Project No		G23012		Level		227.32 mAOD		Inclination		90 degrees		Drilled JG									
Easting		283902.57		Northing		210405.26		SPT Hammer Serial Number				Logged JG									
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill						
						10.00 - 13.00		10.50	216.82		NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST										
						13.00 - 16.00								(9.50)							
16.00 - 19.00																					
19.00 - 20.00																					
End of Exploratory Hole at 20.00m																					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes										
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks				
0.00	20.00	Water	Dark Grey	100%	4.00	150mm	4.00	152mm													
					4.50	100mm	4.50	101mm													
					20.00	70mm															
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length									
Remarks Rotary open hole from GL to 20.00m																					
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH259.18	
				Sheet 2 of 2	
				Scale	1:50
				Drilled	JG
				Logged	JG
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type		Core Barrel Length							

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								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.19				
								12/04/2023 10:00 12/04/2023 12:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	227.49 mAOD	Inclination		90 degrees				Drilled	JG						
Easting	283900.28	Northing	210406.57	SPT Hammer Serial Number						Logged	JG						
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 0.00 - 2.00		0.00 (1.60) 1.60	225.89		NO RECOVERY. Fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR								
				RO 2.00 - 4.00		3.20	224.29		NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL								
				RO 4.00 - 7.00		(7.00)			NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
				RO 7.00 - 10.00													
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	150mm 100mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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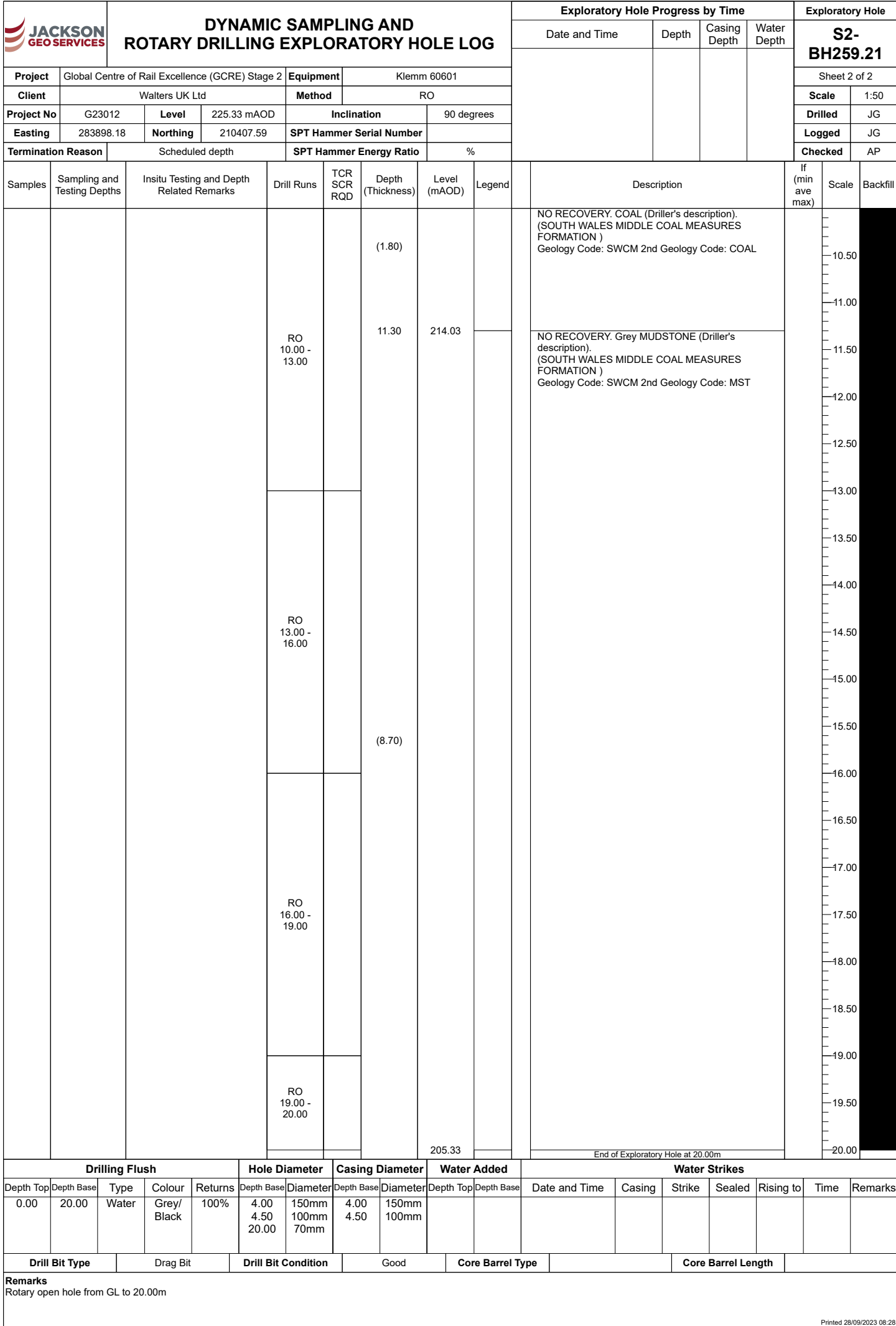
JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.19				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale 1:50					
Project No		G23012		Level		227.49 mAOD		Inclination		90 degrees		Drilled JG					
Easting		283900.28		Northing		210406.57		SPT Hammer Serial Number				Logged JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 10.00 - 13.00		10.20	217.29		NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		10.50				
								(1.70)									
						RO 11.90 - 13.00		11.90	215.59		NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		11.00				
								(8.10)									
						RO 13.00 - 16.00											
															RO 16.00 - 19.00		
						RO 19.00 - 20.00											
End of Exploratory Hole at 20.00m																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.20				
								12/04/2023 13:00 12/04/2023 15:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	227.36 mAOD	Inclination		90 degrees				Drilled	JG						
Easting	283899.34	Northing	210406.93	SPT Hammer Serial Number						Logged	JG						
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 0.00 - 2.00		0.00	225.86		NO RECOVERY. Fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR								
						(1.50)			1.50		NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		1.50				
				RO 2.00 - 4.00		(1.60)	224.26		NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		2.00						
						3.10			3.10		2.50						
				RO 4.00 - 7.00		(6.40)					3.50						
											4.00		4.00	4.50			
				RO 7.00 - 10.00		9.50	217.86				5.00						
											5.50		5.50	6.00			
											6.50						
											7.00		7.00	7.50			
						8.00											
						8.50	8.50	9.00									
						9.50											
						10.00	10.00	10.00									
Drilling Flush				Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open hole from GL to 20.00m																	
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.21				
								12/04/2023 15:00 12/04/2023 17:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012		Level	225.33 mAOD		Inclination	90 degrees				Drilled	JG					
Easting	283898.18		Northing	210407.59		SPT Hammer Serial Number					Logged	JG					
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 0.00 - 2.00		0.00	223.83		NO RECOVERY. Fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR								
						(1.50)			1.50		NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL		0.50				
				RO 2.00 - 4.00		(1.60)	222.23		NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		1.00						
						3.10			3.10		2.00						
				RO 4.00 - 7.00		(6.40)	215.83		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		2.50						
											9.50		9.50	3.00			
				RO 7.00 - 10.00					Continued on next Sheet		3.50						
														4.00			
															4.50		
															5.00		
									5.50								
									6.00								
									6.50								
									7.00								
									7.50								
									8.00								
									8.50								
									9.00								
									9.50								
									10.00								
Drilling Flush				Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.22				
								13/04/2023 08:00 13/04/2023 10:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012	Level	225.33 mAOD	Inclination		90 degrees				Drilled	JG						
Easting	283899.07	Northing	210408.20	SPT Hammer Serial Number						Logged	JG						
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%				Checked	AP						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
			0.00 - 1.50		0.00 (1.60)	223.73		NO RECOVERY. Fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00							
			1.50 - 3.00		1.60 (1.50)			NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL									
			3.00 - 4.00		3.10 (1.50)			NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST									
			4.00 - 7.00		5.90												
			7.00 - 10.00														
					9.00 (1.80)	216.33		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL									
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00 4.50 20.00	152mm 101mm 70mm	4.00 4.50	150mm 100mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH259.23	
13/04/2023 11:00	0.00	4.50	Dry	Sheet 1 of 2	
13/04/2023 13:00	20.00			Scale	1:50
				Drilled	JG
				Logged	JG
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	152mm 101mm 70mm	4.00 4.50	150mm 100mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type		Core Barrel Length							

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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole										
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.24									
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2														
Client		Walters UK Ltd				Method		RO				Scale		1:50												
Project No		G23012		Level		227.50 mAOD		Inclination		90 degrees		Drilled		JG												
Easting		283900.56		Northing		210409.38		SPT Hammer Serial Number				Logged		JG												
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked		AP												
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill											
						10.00 - 13.00		10.80	216.70		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL															
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST															
						13.00 - 16.00						(9.20)														
						16.00 - 19.00																				
						19.00 - 20.00																				
End of Exploratory Hole at 20.00m																										
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes															
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks									
0.00	20.00	Water	Grey/Black	100%	4.00	152mm	4.00	150mm																		
					4.50	101mm	4.50	100mm																		
					20.00	70mm																				
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length														
Remarks																										
Rotary open hole from GL to 20.00m																										

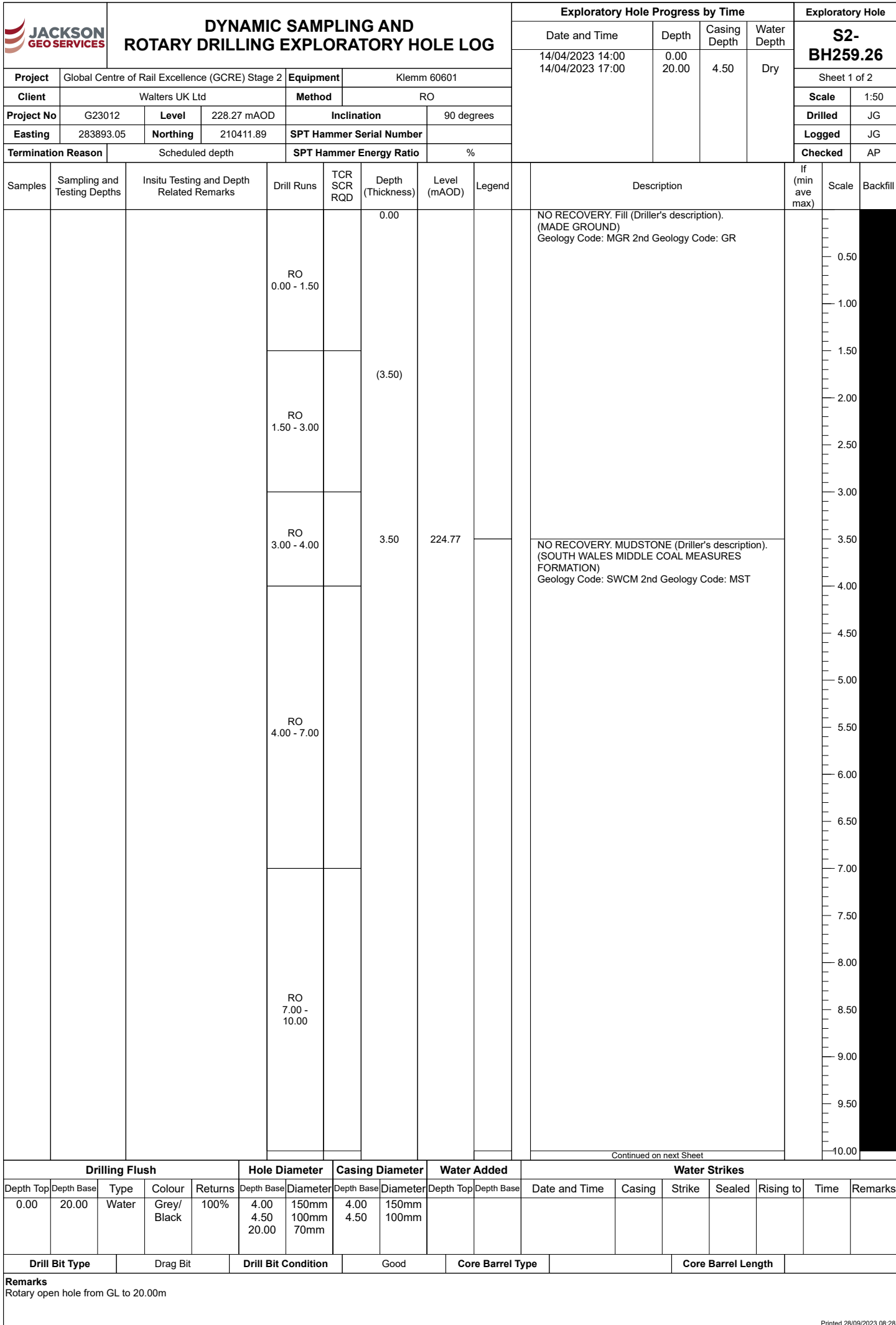


Exploratory Hole Progress by Time				Exploratory Hole									
Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.25 Sheet 1 of 2 <table><tr><td>Scale</td><td>1:50</td></tr><tr><td>Drilled</td><td>JG</td></tr><tr><td>Logged</td><td>JG</td></tr><tr><td>Checked</td><td>AP</td></tr></table>	Scale	1:50	Drilled	JG	Logged	JG	Checked	AP
Scale	1:50												
Drilled	JG												
Logged	JG												
Checked	AP												
14/04/2023 08:00		0.00	4.50	Dry									
14/04/2023 10:00		20.00											

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/ Black	100%	4.00	152mm	4.00	152mm									
					4.50	101mm	4.50	101mm									
					20.00	70mm											
Drill Bit Type		Drag Bit			Drill Bit Condition		Good		Core Barrel Type					Core Barrel Length			

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole														
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.25													
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2														
Client		Walters UK Ltd				Method		RO				Scale 1:50														
Project No		G23012		Level		227.50 mAOD		Inclination		90 degrees		Drilled JG														
Easting		283901.40		Northing		210410.18		SPT Hammer Serial Number				Logged JG														
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP														
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill											
						RO 10.00 - 13.00		10.60	216.90		NO RECOVERY. COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL			10.50												
											NO RECOVERY. Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST															
						RO 13.00 - 16.00																				
RO 16.00 - 19.00																										
RO 19.00 - 20.00																										
End of Exploratory Hole at 20.00m																										
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes															
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks									
0.00	20.00	Water	Grey/Black	100%	4.00	152mm	4.00	152mm																		
					4.50	101mm	4.50	101mm																		
					20.00	70mm																				
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length														
Remarks Rotary open hole from GL to 20.00m																										
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.26	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		228.27 mAOD		Inclination		90 degrees		Drilled	JG					
Easting		283893.05		Northing		210411.89		SPT Hammer Serial Number				Logged	JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
						RO 10.00 - 13.00		(16.50)			NO RECOVERY. MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
													10.50					
													11.00					
													11.50					
													12.00					
													12.50					
													13.00					
													13.50					
													14.00					
													14.50					
													15.00					
													15.50					
													16.00					
													16.50					
													17.00					
													17.50					
													18.00					
													18.50					
													19.00					
													19.50					
									208.27		End of Exploratory Hole at 20.00m		20.00					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/ Black	100%	4.00	150mm	4.00	150mm										
					4.50	100mm	4.50	100mm										
					20.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open hole from GL to 20.00m																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.27	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		227.34 mAOD		Inclination		90 degrees		Drilled	JG					
Easting		283885.00		Northing		210401.00		SPT Hammer Serial Number				Logged	JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill				
								10.60	216.74		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		10.50					
						RO 10.50 - 12.00					NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		11.00					
													11.50					
													12.00					
						RO 12.00 - 13.50							12.50					
													13.00					
													13.50					
						RO 13.50 - 15.00							14.00					
													14.50					
													15.00					
								(9.40)					15.50					
						RO 15.00 - 16.50							16.00					
													16.50					
													17.00					
						RO 16.50 - 18.00							17.50					
													18.00					
													18.50					
						RO 18.00 - 19.50							19.00					
													19.50					
						RO 19.50 - 20.00							20.00					
									207.34		End of Exploratory Hole at 20.00m							
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	150mm										
					4.50	100mm	4.50	100mm										
					20.00	70mm												
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length						
Remarks																		
Rotary open hole from GL to 20.00m																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.28				
								14/04/2023 08:00 14/04/2023 11:00		0.00 20.00	4.50	Dry					
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Klemm 60601					Sheet 1 of 2							
Client	Walters UK Ltd			Method	RO					Scale	1:50						
Project No	G23012		Level	227.20 mAOD		Inclination	90 degrees				Drilled	JG					
Easting	283906.00		Northing	210414.00		SPT Hammer Serial Number					Logged	JG					
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
			RO 0.00 - 1.50		0.00 (1.60)	225.60			NO RECOVERY. Fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00						
			RO 1.50 - 3.00		1.60 (1.50)				NO RECOVERY. Sandy CLAY (Driller's description). (Probable weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: CL								
			RO 3.00 - 4.00		3.10 224.10				NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST								
			RO 4.00 - 7.00		(5.90)												
			RO 7.00 - 10.00		9.00 (1.60)	218.20	NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL										
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	150mm 100mm									
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	

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JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2- BH259.28				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale 1:50					
Project No		G23012		Level		227.20 mAOD		Inclination		90 degrees		Drilled JG					
Easting		283906.00		Northing		210414.00		SPT Hammer Serial Number				Logged JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 10.00 - 13.00		10.60	216.60		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL			10.50			
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
						RO 13.00 - 16.00		(9.40)					11.00				
						RO 16.00 - 19.00							11.50				
						RO 19.00 - 20.00							12.00				
End of Exploratory Hole at 20.00m																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey/Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks Rotary open hole from GL to 20.00m																	
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH259.3	
04/04/2023 13:00 04/04/2023 15:00	0.00 20.00	4.50	Dry		
				Sheet 1 of 2	
				Scale	1:50
				Drilled	JG
				Logged	JG
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey Black	100%	4.00	150mm	4.00	150mm									
					4.50	100mm	4.50	100mm									
					20.00	70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					

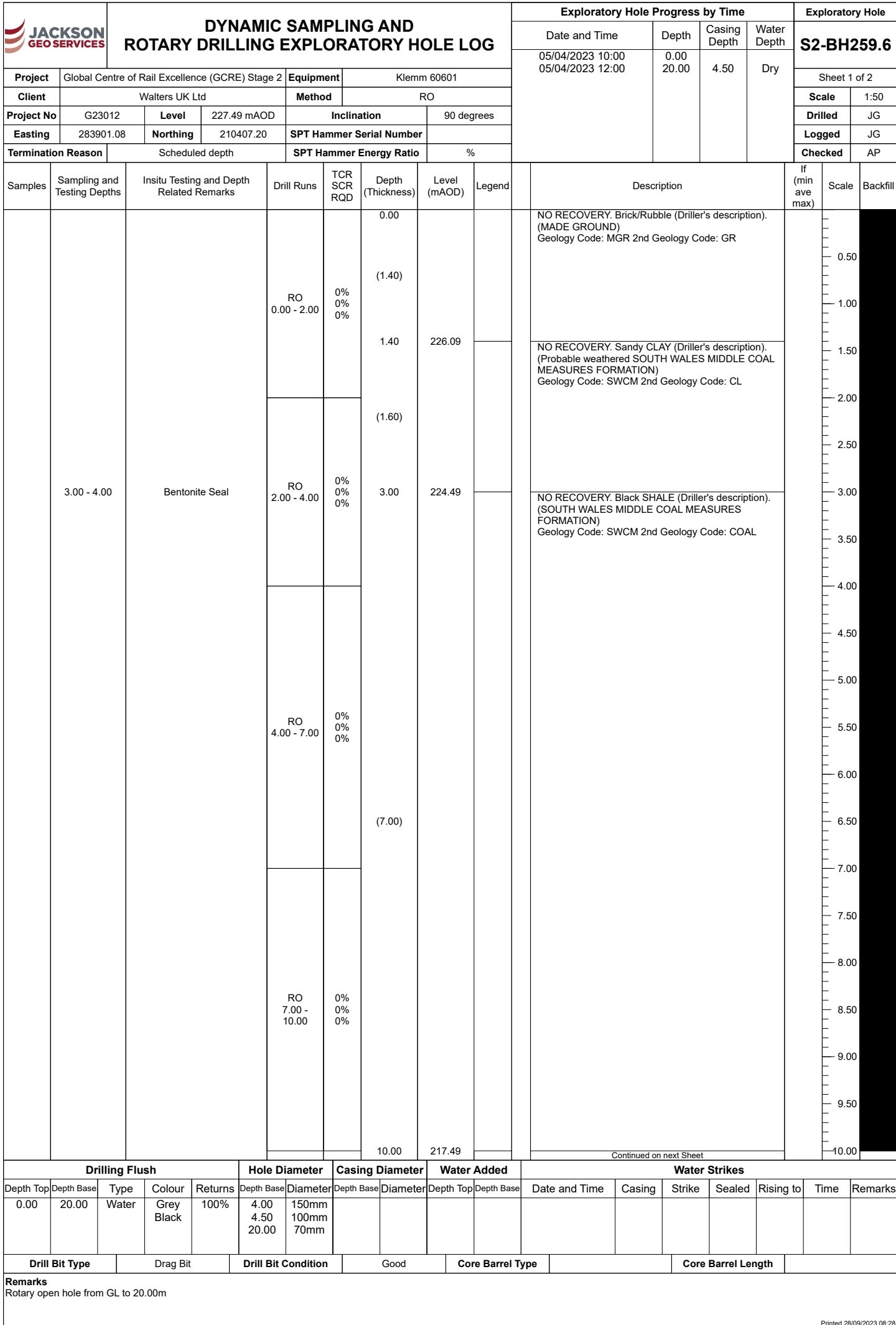
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.3	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2						
Client		Walters UK Ltd				Method		RO				Scale	1:50					
Project No		G23012		Level		227.43 mAOD		Inclination		90 degrees		Drilled	JG					
Easting		283903.66		Northing		210407.91		SPT Hammer Serial Number				Logged	JG					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill			
					RO 10.00 - 13.00	0% 0% 0%	10.20 (1.80) 12.00	217.23 215.43			NO RECOVERY. Black SHALE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		10.50 11.00 11.50 12.00					
											NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL							
											NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
					RO 13.00 - 16.00	0% 0% 0%	(8.00)	207.43				12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00 16.50 17.00 17.50 18.00 18.50 19.00 19.50 20.00						
					RO 16.00 - 19.00	0% 0% 0%												
					RO 19.00 - 20.00	0% 0% 0%												
										End of Exploratory Hole at 20.00m								
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	150mm 100mm										
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length						
Remarks Rotary open hole from GL to 20.00m																		
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.6				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 2					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		227.49 mAOD		Inclination		90 degrees		Drilled	JG				
Easting		283901.08		Northing		210407.20		SPT Hammer Serial Number				Logged	JG				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
					RO 10.00 - 13.00	0% 0% 0%	(2.00)	12.00	215.49		NO RECOVERY. COAL (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL						
					RO 13.00 - 16.00	0% 0% 0%	(8.00)				NO RECOVERY. Grey MUDSTONE (Driller's description). (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
					RO 16.00 - 19.00	0% 0% 0%											
					RO 19.00 - 20.00	0% 0% 0%											
											End of Exploratory Hole at 20.00m						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	20.00	Water	Grey Black	100%	4.00 4.50 20.00	150mm 100mm 70mm											
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length					
Remarks																	
Rotary open hole from GL to 20.00m																	
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH259.8	
05/04/2023 15:07 05/04/2023 17:00	0.00 20.00	4.50	Dry		
				Sheet 1 of 2	
				Scale	1:50
				Drilled	JG
				Logged	JG
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
0.00	20.00	Water	Grey/ Black	100%	4.00 4.50 20.00	150mm 100mm 70mm	4.00 4.50	150mm 100mm										
Drill Bit Type		Drag Bit			Drill Bit Condition		Good		Core Barrel Type					Core Barrel Length				

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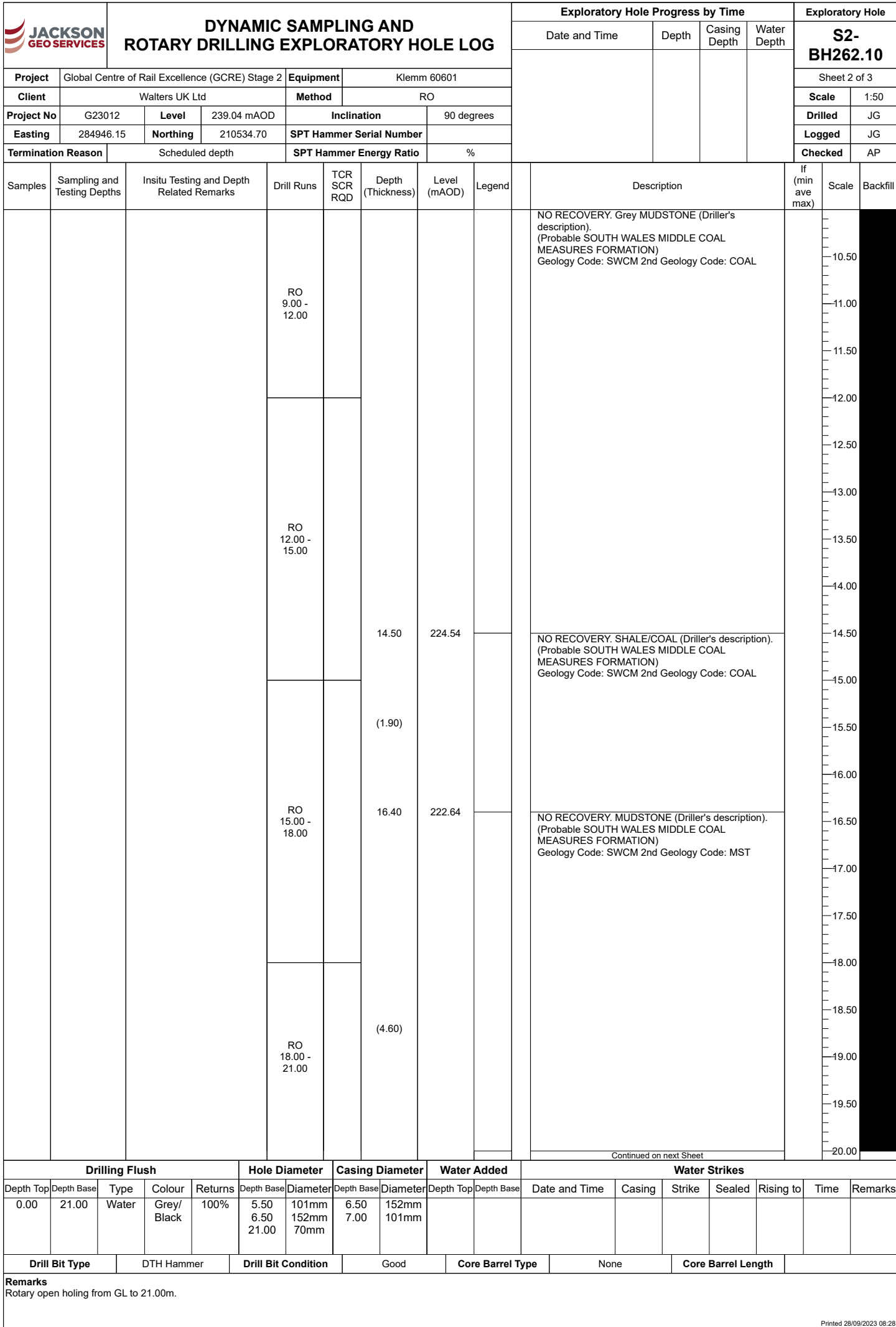
JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time					Exploratory Hole											
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH259.9											
Project	Global Centre of Rail Excellence (GCRE) Stage 2					Equipment	Klemm 60601					Sheet 2 of 2																
Client	Walters UK Ltd					Method	RO					Scale	1:50															
Project No	G23012		Level	227.48 mAOD		Inclination		90 degrees					Drilled	JG														
Easting	283901.83		Northing	210409.06		SPT Hammer Serial Number							Logged	JG														
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%					Checked	AP														
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend		Description	If (min ave max)	Scale	Backfill													
					RO 10.00 - 13.00			10.40	217.08		NO RECOVERY Black SHALE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SZT NO RECOVERY COAL (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		10.50															
								(1.90)																				
								12.30	215.18																			
								RO 13.00 - 16.00								NO RECOVERY Grey MUDSTONE (Driller's Description) (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST												
																	(7.70)											
																			RO 16.00 - 19.00									
																					RO 19.00 - 20.00							
								207.48											End of Exploratory Hole at 20.00m		20.00							
								Drilling Flush							Hole Diameter		Casing Diameter		Water Added		Water Strikes							
								Depth Top	Depth Base						Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to
0.00	20.00	Water	grey/black	100%	4.00	150mm	4.00	150mm																				
					4.50	100mm	4.50	100mm																				
					20.00	70mm																						
Drill Bit Type		Drag Bit		Drill Bit Condition		Good		Core Barrel Type				Core Barrel Length																
Remarks Rotary open hole from GL to 20.00m																												
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH262.12
Project		Global Centre of Rail Excellence (GCRE) Stage 2					Equipment		Klemm 60601					Sheet 2 of 3			
Client		Walters UK Ltd					Method		RO					Scale	1:50		
Project No		G23012		Level		238.61 mAOD		Inclination		90 degrees					Drilled	JG	
Easting		284944.56		Northing		210529.53		SPT Hammer Serial Number							Logged	JG	
Termination Reason		Scheduled depth					SPT Hammer Energy Ratio		%					Checked	AP		
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description			If (min ave max)	Scale	Backfill
							RO 9.00 - 12.00					NO RECOVERY: Grey MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL				10.50	
																11.00	
																11.50	
																12.00	
																12.50	
																13.00	
							RO 12.00 - 15.00									13.50	
																14.00	
									14.50	224.11						14.50	
												NO RECOVERY: SHALE/COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL				15.00	
									(1.90)							15.50	
																16.00	
																16.50	
							RO 15.00 - 18.00		16.40	222.21						17.00	
																17.50	
																18.00	
																18.50	
																19.00	
																19.50	
							RO 18.00 - 21.00		(4.60)							20.00	
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	21.00	Water	Grey/Black	100%	5.50	101mm	6.50	152mm									
					6.50	152mm	7.00	101mm									
					21.00	70mm											
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length					
Remarks																	
Rotary open holing from GL to 21.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH262.2				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 2 of 3					
Client		Walters UK Ltd				Method		RO				Scale	1:50				
Project No		G23012		Level		239.09 mAOD		Inclination		90 degrees		Drilled	JG				
Easting		284948.12		Northing		210510.15		SPT Hammer Serial Number				Logged	JG				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
					RO 9.00 - 12.00		(5.50)				NO RECOVERY. MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50				
					RO 12.00 - 15.00		14.00	225.09		NO RECOVERY. SHALE/COAL (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL		11.00					
					RO 15.00 - 18.00		(2.10)	16.10	222.99		NO RECOVERY. MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		11.50				
					RO 18.00 - 21.00		(4.90)						12.00				
													12.50				
													13.00				
													13.50				
													14.00				
													14.50				
													15.00				
													15.50				
													16.00				
													16.50				
													17.00				
													17.50				
													18.00				
													18.50				
													19.00				
													19.50				
													20.00				
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	21.00	Water	Grey/Black	100%	6.50	152mm	6.50	152mm									
					7.00	101mm	7.00	101mm									
					21.00	70mm											
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length				
Remarks																	
Rotary open holing from GL to 21.00m.																	
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole	
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH262.2
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Klemm 60601				Sheet 3 of 3					
Client		Walters UK Ltd				Method		RO									
Project No		G23012		Level		239.09 mAOD		Inclination		90 degrees							
Easting		284948.12		Northing		210510.15		SPT Hammer Serial Number									
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
									218.09		NO RECOVERY. MUDSTONE (Driller's description). (Probable SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST						
											End of Exploratory Hole at 21.00m						
																20.50	
																21.00	
																21.50	
																22.00	
																22.50	
																23.00	
																23.50	
																24.00	
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																26.50	
																27.00	
																27.50	
																28.00	
																28.50	
																29.00	
																29.50	
																30.00	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	21.00	Water	Grey/Black	100%	6.50	152mm	6.50	152mm									
					7.00	101mm	7.00	101mm									
					21.00	70mm											
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length				
Remarks																	
Rotary open holing from GL to 21.00m.																	

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