

[illegible]

Drilling Log										Rig Crew (initials)		PB.		MP.		AG.		Borehole Reference		CP03																											
Geotron UK Ltd. Unit E201B, Warmco Industry Park, Manchester Road, Mossley, OL5 9AY Tel: 01457 833910, Email: info@geotronuk.co.uk, www.geotronuk.co.uk										Sheet 2 of 9		Weather Dry																																			
Job Ref		J2893		Site Location		Pilsworth		Client		Wardell Armstrong		Day		Tue		Date		13.02.24		Borehole Diameter(s)																											
Depth (mbgl)		Strata Description																		Test Type		From (m)		To (m)		SPT								N Value		U100/ Piston blows		Recovery %		Casing Depth (m)		Water Level (m)		Liner size		Borehole Diameter(s)	
5.00 10.00		Start 7.50am. Borehole depth 5.00m, casing 5.00m. Water level = 1.71m overnight inflow. Fine brown sand some coal fragments. Water added 6.70 to 10.00m, due to blowing sands phenomenon.																		10S		5.20				2		3		4		5		5		6		20		0.45		5.00		3.11		200mm	
																				11B		5.20		5.70																							
																				12S		6.20				2		3		4		5		7		9		25		0.45		6.17		4.04			
																				13B		6.20		6.70																							
																				14D		7.20																									
																				15S		7.70				2		3		4		5		7		9		25		0.45		7.67		2.63			
																				16B		7.70		8.20																							
																				17D		8.70																									
																				18S		9.20				2		2		3		5		7		9		24		0.45		9.17		4.27			
																				19B		9.20		9.70																							
																				20D		10.00																									
BH cont.		Y / N		Casing (depth m)		10.00m		BH Complete (depth m)																																							
Remarks (Standing time, dayworks, delays, visitors etc.)										Dayworks/ Standing		Chiselling/Slow Drilling						Water Strikes																													
												From (m) to (m)				Time (mins)		Time		Depth (m)		Rate of Rise		Rising to (m) after (mins)				Total (m)																			
Rig Set Up										Y		N		Time taken over 1 hour (dayworks)																																	
Service Pit										Y		N		Time taken over 1 hour (dayworks)																																	
Casing Reduced from												to				at		metres		Time taken (dayworks)																											
From		To		Description																																											
																				</																											

Drilling Log										Rig Crew (initials)		PB.		MP.		AG.		Borehole Reference		CP03																			
Geotron UK Ltd. Unit E201B, Warmco Industry Park, Manchester Road, Mossley, OL5 9AY Tel: 01457 833910, Email: info@geotronuk.co.uk, www.geotronuk.co.uk										Sheet 3 of 9		Weather Dry																											
Job Ref		J2893		Site Location		Pilsworth						Client		Wardell Armstrong		Day		Tue		Date		13.02.24		Borehole Diameter(s)															
Depth (mbgl)		Strata Description										Test Type		From (m)		To (m)		SPT				N Value		U100/ Piston blows		Recovery %		Casing Depth (m)		Water Level (m)		Liner size		Installation Details					
																		0-75		75-150		150- 225		225- 300		300- 375		375- 450											
10.00		Fine brown sand some coal fragments.										21S		10.50				5		5		4		5		5		6		20		(NR)		10.50		2.01			
11.30		Water added 10.00 to 12.50m, due to blowing sands phenomenon.										21B		10.50		11.00																							
11.30												22D		11.30																									
13.00		Fine light brown sand some coarse gravel, small pebbles.										23S		11.50		2		3		4		4		5		6		19		0.45		11.50		3.10					
												24B		11.50		12.00																							
												25D		12.50																									

 Drilling Log				Rig Crew (initials)	PB.	MP.	AG.	Borehole Reference		CP03									
Geotron UK Ltd. Unit E201B, Warmco Industry Park, Manchester Road, Mossley, OL5 9AY Tel: 01457 833910, Email: info@geotronuk.co.uk, www.geotronuk.co.uk				Sheet 4 of 9		Weather		Rain											
Job Ref	J2893	Site Location	Pilsworth	Client	Wardell Armstrong			Day	Wed		Date	14.02.24	Borehole Diameter(s)						
Depth (mbgl)	Strata Description			Test Type	From (m)	To (m)	SPT				N Value	U100/ Piston blows	Recovery %	Casing Depth (m)	Water Level (m)	Liner size			
							0 - 75	75- 150	150- 225	225- 300	300- 375	375- 450					200mm		
13.00	Fine brown sand coarse gravels, small pebbles. Water added 8.50 to 15.00m, Delays - Water Bowser Refill. Very slow due to low water pressure using site supply, nearest approved wash out 16.3 mile. Solution being addressed. Slow progress boring strata 14.00m to 15.50m 2hrs.			26S	13.00		3	4	6	6	7	8	27		0.45	13.00	6.11	Installation Details	
15.50				27B	13.00	13.50													
				28D	14.00														
				29S	14.50		4	5	7	6	8	8	29		(NR)	14.50	4.30		
				29B	14.50	15.00													
				30D	15.50														
BH cont.	Y / N	Casing (depth m)	15.50m	BH Complete (depth m)															
Remarks (Standing time, dayworks, delays, visitors etc.)				Dayworks/ Standing	Chiselling/Slow Drilling				Water Strikes										
					From (m) to (m)		Time (mins)		Time	Depth (m)	Rate of Rise	Rising to (m) after (mins)				Total (m)			
												5	10	15	20				
Rig Set Up				Y	N	Time taken over 1 hour (dayworks)													
Service Pit				Y	N	Time taken over 1 hour (dayworks)													
Casing Reduced from					to		at	metres Time taken (dayworks)											
From	To	Description																	
		2.45pm. Helping C.S. release drill tool trapped at base of borehole CP04.																	
				Well Diameter				mm	Other materials used (e.g. geosock, lost cones, PPE etc.)										
				Plain		Screen		to											
				Well Materials		Gravel		Bento											
				No. bags															
				Sample Quantities															
Rig Type	Cable Percussion	Time on Site	7.45am	SPT/CPT	U/UT	D/SD	B	W	Lead Driller Name	Paul Butterfield	Supervising Engineer Name								
Name	Dando 2000-3	Time off Site	4.45pm	2		4	2		Lead Driller Signature		Supervising Engineer Signature								
The above are the driller's site descriptions and factual data only and are subject to amendment after checking by or under the supervision of an engineer or geologist.																			

[illegible]

Drilling Log															Rig Crew (initials)		PB.		MP.		AG.		Borehole Reference		CP03																	
Geotron UK Ltd. Unit E201B, Warmco Industry Park, Manchester Road, Mossley, OL5 9AY Tel: 01457 833910, Email: info@geotronuk.co.uk, www.geotronuk.co.uk															Sheet 6 of 9		Weather Rain																									
Job Ref		J2893		Site Location		Pilsworth									Client		Wardell Armstrong		Day		Fri		Date		16.02.24		Borehole Diameter(s)															
Depth (mbgl)		Strata Description													Test Type		From (m)		To (m)		SPT						N Value		U100/ Piston blows		Recovery %		Casing Depth (m)		Water Level (m)		Liner size					
																			0 - 75		75- 150		150- 225		225- 300		300- 375		375- 450													
15.50 18.00		Start 8.00am - (Casing 250mm) Depth of borehole 12.17m. Water level = 8.28m. Redrill borehole 12.17m to 15.50m, complete 10.45am. Insert 200mm casing at a depth of 15.60m. Water added 13.00m to 1700m. Fine brown sand coarse gravels, small pebbles.																																								
															31CB		16.00		16.50		3		4		6		7		9		9		31				0.45		16.00		4.83	
															32D		17.00																									
															33CB		17.50		18.00		4		5		7		8		8		9		32				0.45		17.50		7.03	
BH cont.		Y / N		Casing (depth m)		18.00m		BH Complete (depth m)																																		
Remarks (Standing time, dayworks, delays, visitors etc.)										Dayworks/ Standing		Chiselling/Slow Drilling				Water Strikes																										
												From (m) to (m)				Time (mins)		Time		Depth (m)		Rate of Rise		Rising to (m) after (mins)				Total (m)														
Rig Set Up										Y		N		Time taken over 1 hour (dayworks)										5				10		15		20										
Service Pit										Y		N		Time taken over 1 hour (dayworks)																												
Casing Reduced from										250mm		to		200mm		at 15.60m metres		Time taken (dayworks)																								
From										To		Description																														

[illegible]

[illegible]

C Rotary Drilling Log				Rig Crew (Initials)		SS		MP		Borehole Reference		CP 03													
				Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY								Sheet	3	of 4	3	Weather	Rain								
Job Ref.	2896		Site Location	Pilsforth		Client		WARDELL ARMSTRONG		Day	Friday		Date	24/2/24		Borehole Diameter(s)	P								
Depth (mbgl)	Strata Description					Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT						N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)	Installation Details		
						0-75	75-150	150-225	225-300	300-375	375-450														
	Run casing gravel to 1m. Bentonite to surface cement cover - Spoke Falling head test Dig pit to 1.5m - Mug / sand / gravel Fill with water. Backfill.										1.00	1m	-	-	1mm										
											2.00	1m	2m												
											3.00	1m	3m												
											4.00	1m	4m												
											5.00	1m	5m												
											15	1m	5m												
											30	1m	5m												
											1.00	hr	-												
											2.00	hr	-												
BH cont.	Y / N	Casing (depth m)	BH complete (depth m)																						
EQUIPMENT & FLUSH DETAILS					SPT Hammer Ref:		Slow Drilling					Water Strikes													
							From (m) to (m)	Time (mins)		Notes		Time	Depth (m)	Rising to (m) after (mins)											
Barrel Type:		Bit Type:																							
Flush Type:		Casing Diameter(s):																							
Rig set up		Hours																							
Service pit		Hours																							
Casing reduced from		mm to	mm at	m	Hours																				
Casing reduced from		mm to	mm at	m	Hours																				
From	To	Standing Time/Dayworks Record																							
					Sample quantities																				
Rig Type	205/3		Time on site	07:30		SPT/CPT	U	UT	D	B	W	Lead driller name	SS		Site engineer name										
Name			Time off site	14:00																					

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist