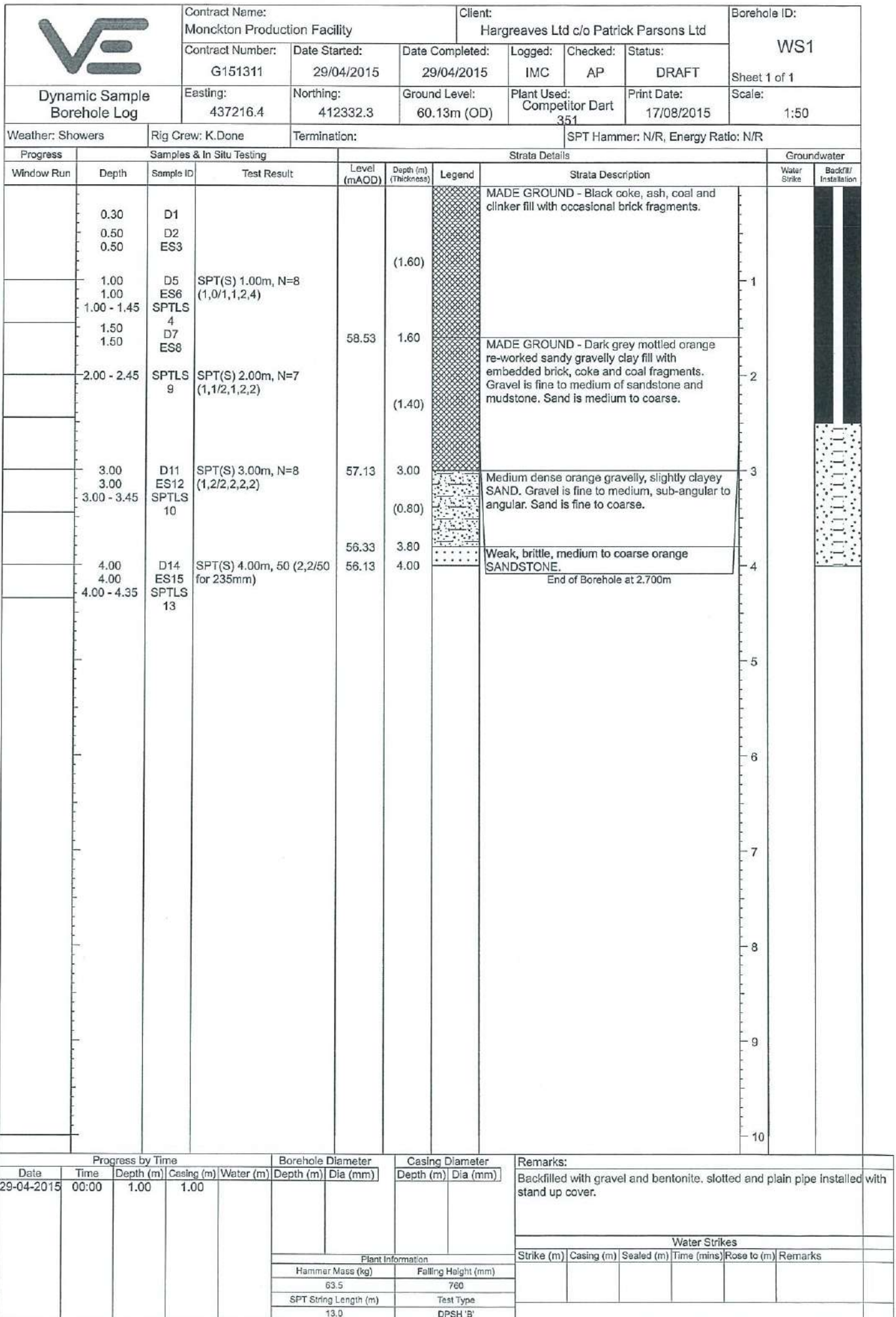


	Contract Name: Monckton Production Facility			Client: Hargreaves Ltd c/o Patrick Parsons Ltd			Borehole ID: RBH5		
	Contract Number: G151311	Date Started: 12/06/2015	Date Completed: 12/06/2015	Logged: IMC	Checked: AP	Status: PRELIM	Sheet 2 of 2		
Rotary Open Hole Borehole Log		Easting: 437471.1	Northing: 411825.9	Ground Level: 62.18m (OD)	Plant Used: Comacchio 305	Print Date: 13/08/2015	Scale: 1:50		
Weather:		Rig Crew:		Termination:					
Samples & In Situ Testing			Strata Details					Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/ Installation	
				(2.00)		Grey SANDSTONE.	11		
			50.18	12.00		Grey MUDSTONE.	12		
				(4.00)			13		
							14		
							15		
			46.18	16.00		End of Borehole at 16.000m	16		
							17		
							18		
							19		
							20		
Start & End of Shift Observations			Borehole Diameter		Casing Diameter		Remarks:		
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	
Flush Information			Installation			Water Strike			
Top (m)	Base (m)	Flush Type	Return	Flush Colour	Top (m)	Base (m)	Type	Dia (mm)	
					0.00	12.00	PLAIN	50	
					12.00	16.00	SLOTTED	50	
Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks				
14.00	13.00		0	0.00					



Progress by Time					Borehole Diameter		Casing Diameter		Remarks:	
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)		
29-04-2015	00:00	1.00	1.00							
					Plant Information		Strike (m) Casing (m) Sealed (m) Time (mins) Rose to (m) Remarks			
					Hammer Mass (kg) Falling Height (mm)					
					63.5 780					
					SPT String Length (m) Test Type					
					13.0 DPSH 'B'					



Progress	Samples & In Situ Testing	Strata Details	Groundwater
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Progress by Time					Borehole Diameter		Casing Diameter		Remarks: Groundwater struck at 3.9m, with no rise recorded after 20 minutes. Backfilled with gravel and bentonite. slotted and plain pipe installed. stand up cover.					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)						
29-04-2015	00:00	1.00	1.00											
Plant Information									Water Strikes					
Hammer Mass (kg)						Falling Height (mm)			Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
63.5						760			3.90			0 20	3.90	
SPT String Length (m)						Test Type								
13.0						DPSH 'B'								

	Contract Name: Monckton Production Facility			Client: Hargreaves Ltd c/o Patrick Parsons Ltd			Borehole ID: WS4
	Contract Number: G151311	Date Started: 28/04/2015	Date Completed: 28/04/2015	Logged: IMC	Checked: AP	Status: PRELIM	
Dynamic Sample Borehole Log	Easting: 437365.6	Northing: 412171.1	Ground Level: 63.91m (OD)	Plant Used: Competitor Dart 351	Print Date: 17/08/2015	Scale: 1:50	

Weather: Showers Rig Crew: K.Done Termination: SPT Hammer: N/R, Energy Ratio: N/R

Progress		Samples & In Situ Testing			Strata Details			Groundwater	
Window Run	Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/Installation
	0.00	D1					MADE GROUND - Black crushed coke fill (stock yard 'carpet')		
	0.30	D2		63.66	0.25		MADE GROUND - Mixed fill of crushed brick, sandstone and mudstone gravels and occasional coal, coke, and clinker.		
	0.50	D3							
	0.50	ES4							
	1.00	ES6	SPT(S) 1.00m, N=7					1	
	1.00 - 1.45	SPTLS 5	(1,0/1,2,2,2)						
	1.50	D7			(2.45)				
	2.00 - 2.45	SPTLS 8	SPT(S) 2.00m, N=8					2	
			(1,1/2,2,2,2)						
	3.00 - 3.45	SPTLS 9	SPT(S) 3.00m, N=18	61.21 61.11 60.91 60.91	2.70 2.80 3.00		Dense, orange gravelly SAND. Gravel is fine to coarse, sub-angular to angular of sandstone. Weak, orange fine to medium SANDSTONE.	3	
			(2,3/4,4,5,5)				Window sample refused at 3.0m bgl on sandstone. SPT advanced to 4.0m bgl.		
	4.00 - 4.20	SPTLS 10	SPT(S) 4.00m, 4 (71 for 140mm/4,,)					4	
							End of Borehole at 4.200m		
								5	
								6	
								7	
								8	
								9	
								10	

Progress by Time					Borehole Diameter		Casing Diameter		Remarks: Backfilled with gravel and bentonite. slotted and plain pipe installed with stand up cover.						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)							
28-04-2015	00:00	1.00	1.00												
28-04-2015	01:00	2.00	2.00												
28-04-2015	02:00	3.00	2.00												
28-04-2015	03:00	4.00	2.00												
Plant Information									Water Strikes						
Hammer Mass (kg)					Falling Height (mm)					Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
63.5					760								0		
SPT String Length (m)					Test Type										
13.0					DPSH 'B'										

