



Rust Environmental						Project Amber Park, South Normanton		Borehole 101R (Sheet 1 of 2)	
Contractor Hydracrat Water						Client Wilson Bowden Homes		Project No. EGMLS283	
Elevation 146.35mOD						Co-ordinates 2283.94mE 4022.64mN		Logged By JG Checked By <i>Red</i>	
Run (Flush) %	TCR %	SCR %	RQD %	MAX MIN CL	F.I.	Description	Depth	Legend	Level O.D.
						Yellow sandy clay	0.00		146.35
						SANDSTONE with layers of mudstone	2.85		143.50
						Grey MUDSTONE	4.10		142.25
						Grey MUDSTONE with sandstone layers	5.50		140.85
6.00						Grey MUDSTONE (core lost)	6.00		140.35
	56	42	27	6 <1		Grey thinly laminated, very closely spaced to closely spaced fractured MUDSTONE, very weak	7.10		139.25
						Grey broken MUDSTONE, very weak			
						Grey thinly laminated extremely closely spaced fractured MUDSTONE, very weak			
						Grey broken MUDSTONE, very weak	8.25		138.10
						Dark grey thinly laminated very closely spaced fractured MUDSTONE, very weak	8.45		137.90
						Black, with occasional orange weathered zones along weathered joints, thinly laminated MUDSTONE, very weak	8.70		137.65
9.00						Grey very closely spaced to closely spaced fractured MUDSTONE, very weak to weak	8.80		137.55
	100	85	53	15 <1		Grey extremely closely spaced fractured MUDSTONE, very weak	9.00		137.35
						White and grey SILTSTONE, moderately weak to moderately strong	9.35		137.00
						Grey extremely closely spaced fractured MUDSTONE, very weak	9.65		136.70
						Grey extremely closely spaced fractured MUDSTONE, very weak	9.70		136.65
						Grey extremely closely spaced fractured MUDSTONE, very weak	9.95		136.40

Drilling Data						Progress/Groundwater Behaviour						
Depth	Method	Bit Type	Hole Dia.	Core Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed
					Depth	Size						
0.00-6.00	Rotary Open Hole	Tricone Bit	120mm		1.50m	140mm	27.08.96	20.00	1.50	DRY	-	-
6.00-14.15	Rotary Core	Tungsten Bit	120mm	75mm								
14.15-20.00	Rotary Open Hole	Tricone Bit	120mm									

Remarks

Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.

Ref: RNHL595.1



Rust Environmental						Project		Amber Park, South Normanton		Borehole		101R (Sheet 2 of 2)			
Contractor						Hydracrat Water		Client		Wilson Bowden Homes		Project No.		EGMLS283	
Elevation						-146.34mOD		Co-ordinates		2283.94mE 4022.64mN		Logged By		JG Checked By GED	
Run (Flush) %	TCR %	SCR %	RQD %	MAX MIN CL	F.I.	Description	Depth	Legend	Level O.D.						
11.15	60	50	25	16 <1		Black with orange weathered zones along horizontal and vertical joints, thinly laminated very closely spaced fractured MUDSTONE, weak	10.05		136.30						
						Black with rare orange weathered zones along vertical joints, closely spaced fractured COAL, very weak, with occasional pyritic laminae	10.55		135.80						
							10.65		135.70						
							10.70		135.65						
							10.95		135.40						
						Grey thinly laminated MUDSTONE, very weak									
						Black COAL, very weak, with much iron pyrite	11.55		134.80						
							11.60		134.75						
						Black closely spaced fractured carbonaceous MUDSTONE, very weak	12.05		134.30						
						Grey thinly laminated MUDSTONE, very weak to weak									
14.15						Black COAL, very weak with iron pyrite	12.70		133.65						
						Black thinly laminated MUDSTONE, very weak									
						Grey very thinly bedded MUDSTONE, weak with thick laminae of pyritic coal									
						Grey with orange weathered zones along weathered joints, MUDSTONE, moderately weak									
						Grey MUDSTONE, soft	14.15		132.20						
							14.30		132.05						
						Yellow and brown SANDSTONE									
Base of Borehole						20.00		126.35							
Drilling Data												Progress/Groundwater Behaviour			
Depth	Method	Bit Type	Hole Dia.	Core Dia.	Casing Depth Size	Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed				
0.00-6.00	Rotary Open Hole	Tricone Bit	120mm		1.50m 140mm	27.08.96	20.00	1.50	DRY	-	-				
6.00-14.15	Rotary Core	Tungsten Bit	120mm	75mm											
14.15-20.00	Rotary Open Hole	Tricone Bit	120mm												
Remarks															

Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.
Ref:RBH1595.1



Rust Environmental				Project Amber Park, South Normanton				Borehole 101R (Sheet 1 of 2)							
Contractor Hydracrat Water				Client Wilson Bowden Properties				Project No. EGMLS283							
Elevation 146.35mOD				Co-ordinates 2283.94mE 4022.64mN				Logged By JG Checked By GED							
PENETRATION RATE (secs)												LITHOLOGY			
Depth	Total Time	BAR CHART										Depth	Description	Legend	Level O.D.
		10	20	30	40	50	60	70	80	90	100				
0.00												0.00	Yellow sandy clay		146.35
0.50	27														
1.00	31														
1.50	28														
2.00	27														
2.50	30														
3.00	NR											2.85	SANDSTONE with layers of mudstone		143.50
3.50	NR														
4.00	33											4.10	Grey MUDSTONE		142.25
4.50	22														
5.00	38														
5.50	36											5.50	Grey MUDSTONE with sandstone layers		140.85
6.00	19											6.00	Grey MUDSTONE		140.35
6.50	NR														
7.00	NR														
7.50	NR														
8.00	NR														
8.50	NR														
9.00	NR														
9.50	NR														
10.00	NR														
Drilling Data												Progress/Groundwater Behaviour			
Depth	Method	Bit Type	Hole Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed				
				Depth	Size										
0.00-6.00	Rotary Open Hole	Tricone Bit	120mm	1.50m	140mm	27.08.96	0.00-20.00	1.50	DRY	-	-				
6.00-14.50	Rotary Core	Tungsten Bit	120mm												
14.15-20.00	Rotary Open Hole	Tricone Bit	120mm												
Remarks NR denotes not recorded. <small>Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.</small>															



Rust Environmental										Project		Amber Park, South Normanton		Borehole		101R (Sheet 2 of 2)			
Contractor										Hydracrat Water		Client		Wilson Bowden Properties		Project No.		EGMLS283	
Elevation										146.35mOD		Co-ordinates		2283.94mE 4022.64mN		Logged By		JG Checked By	
PENETRATION RATE (secs)										LITHOLOGY									
Depth	Total Time	BAR CHART										Depth	Description	Legend	Level O.D.				
		10	20	30	40	50	60	70	80	90	100								
10.00	NR											10.05	COAL						
10.50	NR											10.50	Grey MUDSTONE		135.85				
												10.65			135.70				
												10.70			135.65				
11.00	NR												COAL						
													Grey MUDSTONE						
11.50	NR											11.50			134.80				
												11.60	COAL		134.75				
12.00	NR												Grey MUDSTONE						
12.50	NR																		
13.00	NR																		
13.50	NR																		
14.00	NR											14.15			132.20				
												14.30	Grey MUDSTONE		132.05				
14.50	NR												Yellow SANDSTONE with brown layers						
15.00	NR																		
15.50	67																		
16.00	39																		
16.50	15																		
17.00	18																		
17.50	22																		
18.00	22																		
18.50	45																		
19.00	43																		
19.50	15																		
20.00	23											20.00	Base of Borehole		126.35				
Drilling Data										Progress/Groundwater Behaviour									
Depth	Method	Bit Type	Hole Dia.	Casing		Date/Time	Hole Depth	Casing Depth	Water Depth	Depth Struck	Depth Sealed								
				Depth	Size														
10.00-14.15	Rotary Core	Tungsten Bit	120mm	1.50m	140mm	27.08.96	0.00-20.00	1.50	DRY	-	-								
14.15-20.00	Rotary Open Hole	Tricone Bit	120mm																
Remarks																			
NR - denotes not recorded																			
Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.																			
Ref: PRH/1195.2																			

Rust Environmental

Project Amber Park
South Normanton

Data Sheet

FIGURE A-1

TRIAL PIT AND BOREHOLE LOCATION PLAN

