

BRG Ltd.
35 Cleevaun,
Naas, Co Kildare
Tel: 045 874386

Borehole No
BH - 7
Sheet 1 of 13

Project Name
TES - Timahoe Site, N. Kildare

Project No.
TES1

Co-ords:
274784E - 232999N

Hole Type
PD

Engineer:
TES Consulting Engineers Ltd

Drilling Company
Briody Drilling

Level:
95.10 m AOD

Azimuth
- 90

Scale
1:50

Client:
Bord Na Mona

Driller
Aidan Briody

Dates:
27/05/2003-06/06/2003

Logged By
Dave Blaney

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Spudded in through drill platform - FILL	
				1.83	93.27		Soft, medium grey/green, Sandy CLAY, fine to coarse grained sub-angular to subrounded gravel. Gravel clasts comprise black limestone, green sandstones and on clast of tonalitic granite.	
				5.49	89.61		Soft to firm, grey, Gravelly CLAY, sub-rounded to angular fine to medium grained gravel	
				8.23	86.87		Loose, greenish grey, Gravelly SAND, fine to medium grained, sub-angular to angular gravel, some silty clay	
				9.75	85.35			

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Remarks: Note: Survey data collected using handheld GPS
Accurate to +/- 8m

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Borehole No
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Sheet 2 of 13

Project Name
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Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Very loose, yellow brown, GRAVEL with fine grained sand	
				14.94	80.16		Loose, grey/brown, SAND and GRAVEL, Fine to coarse grained, sub-angular to subrounded gravel with occasional cobbles and some clay, gravel comprised of black limestone, and pale brown sandstone.	





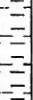




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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386			Borehole No BH - 7 Sheet 3 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Hole Type PD	
			Scale 1:50	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.03	74.07		Loose, grey/brown, SAND and GRAVEL, Fine to coarse grained, sub-angular to subrounded gravel with occasional cobbles and some clay, gravel comprised of black limestone, and pale brown sandstone.	21
								Firm to stiff, dark grey/brown, CLAY, with occasional fine to medium grained angular to sub-angular gravel with some sand.	22
									23
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									29

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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386			Borehole No BH - 7 Sheet 4 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Hole Type PD	
			Scale 1:50	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Firm to stiff, dark grey/brown, CLAY, with occasional fine to medium grained angular to sub-angular gravel with some sand.		
								-31	
								-32	
								-33	
								-34	
								-35	
								-36	
								-37	
								-38	
								-39	

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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386			Borehole No BH - 7 Sheet 5 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Hole Type PD	
			Scale 1:50	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Firm to stiff, dark grey/brown, CLAY, with occasional fine to medium grained angular to sub-angular gravel with some sand.	41	
								42	
								43	
					44.20	50.90		44	
							Soft, grey/brown to grey, Gravelly CLAY, gravel sub-angular to angular, predominantly sandstone clasts	45	
					45.42	49.68		46	
							Firm, dark grey, Gravelly CLAY, medium to coarse grained, angular to sub-angular gravel	46	
					46.94	48.16		47	
							Loose, medium brown/grey, Clayey GRAVEL, fine to coarse grained, angular to sub-angular clasts, clay occurring as 'balls' of firm to stiff dark grey clay.	48	
								48	
								49	
		Type	Results						

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Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Hole Type PD	
			Scale 1:50	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					50.60	44.50		Loose, medium brown/grey, Clayey GRAVEL, fine to coarse grained, angular to sub-angular clasts, clay occurring as 'balls' of firm to stiff dark grey clay.	
								Medium dense, yellow/brown, Sandy GRAVEL, clayey with fine to medium grained angular gravel, mainly sandstone and siltstone.	51
					53.04	42.06		Loose, grey, Clayey GRAVEL, medium grained and angular, rounded 'balls' of dark grey clay and orange/brown sandy clay	52
									53
									54
					55.78	39.32		Loose, orange/brown Clayey GRAVEL, medium grained angular to sub-rounded clasts of sandstone, siltstone and minor black limestone. 'Balls' of orange/brown sandy clay	55
									56
									57
									58
									59

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Borehole No
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Sheet 7 of 13

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Project No.
TES1

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274784E - 232999N

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Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Loose, orange/brown Clayey GRAVEL, medium grained angular to sub-rounded clasts of sandstone, siltstone and minor black limestone. 'Balls' of orange/brown sandy clay	61	
					63.70	31.40	Orange brown Sandy CLAY, with 35-50% gravel fine to medium grained angular to sub-angular clasts, increasing sandy clay content in the foam return and as relatively large 'balls'.	64	
					66.75	28.35	Soft, yellow/brown, CLAY with occasional coarse sand and sub-angular gravel, clasts of silcrete?, mudstone and minor black limestone.	67	
								68	
								69	

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Borehole No
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Sheet 8 of 13

Project Name
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Project No.
TES1

Co-ords:
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Hole Type
PD

Engineer:
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Dates:
27/05/2003-06/06/2003

Logged By
Dave Blaney

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
	▽						Soft, yellow/brown, CLAY with occasional coarse sand and sub-angular gravel, clasts of silcrete?, mudstone and minor black limestone.	
					75.28	19.82	Firm to stiff, medium brown CLAY, with minor white flecks of white clay - kaolin	

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Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N		Hole Type PD
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90	Scale 1:50
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003		Logged By Dave Blaney

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					80.77	14.33		Firm to stiff, medium brown CLAY, with minor white flecks of white clay - kaolin	
								Soft to firm, pink, red and yellow CLAY, rounded, fine grained gravel sized haematitic clasts	81
					81.99	13.11		Firm, yellow / brown CLAY, occasional fine gravel sized angular fragments of silcrete, thin bands of black clay - small wood fragment in black clay at 87.17m	82
									83
									84
									85
									86
									87
									88
									89

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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386				Borehole No BH - 7 Sheet 10 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N		Hole Type PD
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Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003		Logged By Dave Blaney

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Firm, yellow / brown CLAY, occasional fine gravel sized angular fragments of silcrete, thin bands of black clay - small wood fragment in black clay at 87.17m	91
									92
									93
									94
									95
									96
									97
									98
					98.45	-3.35		Black, Clayey sandy GRAVEL, water strike - very limited aquifer that was quickly exhausted.	
					98.75	-3.65		Stiff medium brown CLAY, with specks of white kaolin	99

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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386			Borehole No BH - 7 Sheet 11 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Hole Type PD	
			Scale 1:50	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	▽				100.27	-5.17		Stiff medium brown CLAY, with specks of white kaolin	
								Interbedded bands of white siliceous siltstone and soft to firm white, pale grey, orange and pink clays. Siltstone bands vary from <1cm to 8cm thick.	101
									102
									103
									104
									105
									106
									107
									108
									109

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BRG Ltd. 35 Cleevaun, Naas, Co Kildare Tel: 045 874386			Borehole No BH - 7 Sheet 12 of 13	
Project Name TES - Timahoe Site, N. Kildare		Project No. TES1	Co-ords: 274784E - 232999N	
Engineer: TES Consulting Engineers Ltd		Drilling Company Briody Drilling	Level: 95.10 m AOD	Azimuth - 90
Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
			Logged By Dave Blaney	

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Interbedded bands of white siliceous silcrete and soft to firm white, pale grey, orange and pink clays. Silcrete bands vary from <1cm to 8cm thick.	
					115.82	-20.72	Firm to stiff pale grey, purple, and minor yellow CLAY, with occasional angular clasts of white silcrete, minor haematitic clasts and jasper. Thin bands of silcrete interbedded with clays	

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Client: Bord Na Mona		Driller Aidan Briody	Dates: 27/05/2003-06/06/2003	
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Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Firm to stiff pale grey, purple, and minor yellow CLAY, with occasional angular clasts of white silcrete, minor haematitic clasts and jasper. Thin bands of silcrete interbedded with clays		
								121	
								122	
								123	
								124	
								125	
								126	
								127	
								128	
	∇				128.32	-33.22			
							Bedrock - moderately weak to strong pale grey medium grained LIMESTONE, fresh, calcareous. Edenderry Colites, cuttings returned over top 0.3m, were weathered and crumbled under hand pressure, however rock quickly became more competent. Water strike at 128.32m, strong flow, visual estimate >10,000 gal/hr (Mr. David Ball)	129	
					129.84	-34.74			
								End of Borehole at 129.84 m	

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