



	BOREHOLE LOG	Borehole No BF75-C
	Beauly - Denny 400kv OHL	Sheet 1 of 2
Client: Scottish & Southern Energy plc		Status Final 29/11/2011
Consultant: Balfour Beatty Utility Solutions		Job No: 4578

Date Started: 24/10/2011	Initial Boring Diameter: 160mm	Coordinates: E 230643.500 m National Grid
Date Complete: 25/10/2011	Initial Core Diameter: 84mm	N 825052.000 m National Grid
Hole Type: RC	Rotary Casing Type: Robit	Ground Level: 274.47 m OD
Equipment: DB520 Boart	Core Barrel: T2-101	Plunge: 90°
	Core Bit: Diamond Impreg	Scale: 1:50

Description of Strata	Legend	Depth	Reduced Level	Sampling/ Core Run	U	In Situ Testing		TCR (SCR) RQD	FI	Installation
						Test	Result			
Very soft spongy dark brown pseudo-fibrous PEAT.										
SAND & GRAVEL. (Driller's description)		1.00	273.47							
Very strong locally extremely strong grey fine grained PSAMMITE, mostly fresh occasionally slightly weathered with some yellowish brown staining. Some bands of crystalline quartz and sub vertical mineral veins and occasional micaceous bands. Bedding fractures are inclined between 20deg and 30deg and are closely to medium spaced, planar, smooth, tight and clean.		1.30	273.17	1.30-2.80			100 (100) 100	3		
				2.80-4.30			100 (85) 67	7		
				4.30-5.80			100 (65) 65	3		
				5.80-7.30			100 (33) 20	12		
From 5.65m to 7.30m, becomes pinkish white crystalline quartz.				5.80-7.30						
From 7.30m to 7.80m, interbanded psammite and crystalline quartz with weathering along the fractures.				7.30-8.80			100 (60) 30	15		
Continued next sheet										

U Undisturbed U100 / U86 Sample P Piston Sample TW Thin Wall Sample D Small Disturbed Sample B Bulk Disturbed Sample LB Large Bulk Disturbed Sample W Water Sample G Gas Sample C Core J Amber Jar Sample V Vial Sample	Core Run TCR Total Core Recovery SCR Solid Core Recovery RQD Rock Quality Designation FI Fracture Index NI Non Intact U* Blows to drive U100 / U86 UT Thin wall undisturbed sample NA Not Applicable NR No Recovery NP No Penetration	S Standard Penetration Test C Cone Penetration Test 32 N for full 300mm penetration /175 For given penetration (mm) /25# Sealing blows only (mm) PP Pocket Penetrometer Test K Permeability Test (m/s) L Packer Test (Lugeons) IV Insitu Vane Test. Peak IVR Insitu Vane Test. Residual HV Hand Vane Test. Peak HVR Hand Vane Test. Residual	CP Cable Percussion RO Rotary Open Hole RC Rotary Cored SO Sonic Open holed CONP Continuous Percussion WLS Windowless Sampler Installation Slotted Pipe Piezometer Tip Grout Concrete Sand Filter Bentonite Seal Gravel Filter
---	---	---	--



		<h1>BOREHOLE LOG</h1> <h2>Beauly - Denny 400kv OHL</h2>				Borehole No BF75-C Sheet 2 of 2						
						Status Final 29/11/2011						
Client: Scottish & Southern Energy plc						Job No: 4578						
Consultant: Balfour Beatty Utility Solutions												
Date Started: 24/10/2011 Date Complete: 25/10/2011 Hole Type: RC Equipment: DB520 Boart		Initial Boring Diameter: 160mm Initial Core Diameter: 84mm Rotary Casing Type: Robit Core Barrel: T2-101 Core Bit: Diamond Impreg		Coordinates: E 230643.500 m National Grid N 825052.000 m National Grid Ground Level: 274.47 m OD Plunge: 90° Scale: 1:50								
Description of Strata		Legend	Depth	Reduced Level	Sampling/ Core Run	U	In Situ Testing Test Result	TCR (SCR) RQD	FI	Install-ation		
Very strong locally extremely strong grey fine grained PSAMMITE, mostly fresh occasionally slightly weathered with some yellowish brown staining. Some bands of crystalline quartz and sub vertical mineral veins and occasional micaceous bands. Bedding fractures are inclined between 20deg and 30deg and are closely to medium spaced, planar, smooth, tight and clean. From 8.80m, with some closed sub vertical undulating fractures and occasional sub vertical joints with altered mineral coatings.				261.17	8.80-10.30			100 (40) 17	14			
								10.30-11.30			100 (62) 40	6
								11.30-12.80			100 (80) 64	7
								12.80-13.30			100 (80) 62	
End of Borehole at 13.30 m												
U Undisturbed U100 / U86 Sample P Piston Sample TW Thin Wall Sample D Small Disturbed Sample B Bulk Disturbed Sample LB Large Bulk Disturbed Sample W Water Sample G Gas Sample C Core J Amber Jar Sample V Vial Sample		TCR Total Core Recovery SCR Solid Core Recovery RQD Rock Quality Designation FI Fracture Index NI Non intact U* Blows to drive U100 / U86 UT Thin wall undisturbed sample NA Not Applicable NR No Recovery NP No Penetration		S Standard Penetration Test C Cone Penetration Test 32 N for full 300mm penetration /175 For given penetration (mm) /25# Seating blows only (mm) PP Pocket Penetrometer Test K Permeability Test (m/s) L Packer Test (Lugeons) IV Insitu Vane Test, Peak IVR Insitu Vane Test, Residual HV Hand Vane Test, Peak HVR Hand Vane Test, Residual		CP Cable Percussion RO Rotary Open Hole RC Rotary Cored SO Sonic Open Holed CONP Continuous Percussion WLS Windowless Sampler Installation Slotted Pipe Piezometer Tip Grout Concrete Sand Filter Bentonite Seal Gravel Filter						