



BOREHOLE LOG

Beaulieu - Denny 400kv OHL

Borehole No

TD159B-B

Sheet 1 of 1

Status

Finat

08/05/2012








Client: Scottish & Southern Energy plc

Consultant: Balfour Beatty Utility Solutions

Job No: 4578

| | | | | | |
|----------------|------------|--------------------------|-------|---------------|------------------------------|
| Date Started: | 04/04/2012 | Initial Boring Diameter: | 160mm | Coordinates: | E 280373.684 m National Grid |
| Date Complete: | 04/04/2012 | Initial Core Diameter | | | N 711269.849 m National Grid |
| Hole Type: | RO | Rotary Casing Type | Robit | Ground Level: | 288.00 m OD |
| Equipment: | DB520 | Core Barrel: | | Plunge: | 90 ° |
| | | Core Bit: | | Scale: | 1:50 |

| Description of Strata | Legend | Depth | Reduced Level | Sampling/ Core Run | U | In Situ Testing | | TCR (SCR) RQD | FI | Installation |
|---|--------|-------|---------------|-----------------------|-----------|-----------------|--------|---------------------|----|--------------|
| | | | | | | Test | Result | | | |
| Dark brown pseudo-fibrous PEAT with abundant small rootlets. | | 0.20 | 287.80 | | | | | | | |
| Reddish brown and brown slightly clayey gravelly very silty predominantly fine SAND. Gravel is angular to sub rounded fine to coarse of various lithologies. | | 1.20 | 286.80 | | | | | | | |
| Dense reddish brown slightly clayey silty gravelly fine SAND. Gravel is angular to sub rounded fine to coarse of various lithologies. (Based On Driller's Description). | | 2.20 | 285.80 | D | 1.50-1.95 | S | 45 | | | |
| Weathered red SANDSTONE with very soft areas. (Driller's Description) (Open Holed). | | 6.00 | 282.00 | | | | | | | |
| End of Borehole at 6.00 m | | | | | | | | | | |

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