

## Borehole Information

**Borehole Number:**

**105/25/K003/1A/H11**

**Prospecting Company:** De Beers Holdings Botswana

**Prospecting License No.:** PL31/88

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.70406 , 27.883902

**Location:** Lerala

**Start Drill:** N/A

**End Drill:** N/A

**Borehole Type:** Exploration

**Drilling Method:** Core

**Sample Type:** Core

**Depth of Surface Casing:** N/A

**Azimuth:** Degrees

**Hole Inclination:** N/A

**Collar Elevation:** N/A

**Borehole Water Strike:** N/A

**End of Hole (Depth):** N/A

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	1	Brown Topsoil.
2.	1	2	Orange/yellow Clays becoming greener down to 7m - calcretized kimberlite - remnant chips are highly weathered brown. Includes some 2 degrees iron stained qtz basement rubble.
3.	2	6	7m - predominantly hard calcrete.
4.	6	9	Predominantly yellow/green to green kimberlitic Clays with some remnant brown highly weathered kimberlite and abundant inclusions of weathered foliated brown qtz mica - Schist, quartz feldspathic gneiss, Amphibolitebolite and pink k-fspar.
5.	9	27	Mod - weathered phlogopite bearing kimberlite breccia - inclusion rich (chlorite Schists, QF gneiss and Amphibolitebolite) visually confuring. Can only gneiss at 50% k 50% inclusions.
6.	27	32	Notable abundance of phlogopite.
7.	32	39	Predominantly green/brown micaceous Schist shattered xenolith.
8.	39	47	Variuosly inclusion content, fresh, phlogopite bearing kimberlite breccia. Inclusions of Amphibolitebolite pink gneiss, k-fspar, quartz, qtz - mica Schist and chlorite Schist 20% - 80% inclusions.
9.	47	63	Pink felsic gneiss - xenolith.
10.	63	78	48-78m breccia kimberlite, difficult to define - generally chaotic. Oten difficult to separate kimberlite from various dark grey Schist. Inclusions variable from almost 100% to 5% micaceous Schist, k-fspar gneiss, chlorite Schist.
11.	78	81	Felsic gneiss.

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**Page Number:** 1 | **Date/Time Stamp:** Wed, 22 Jan 25 19:04:20 +0200



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| 12. | 81  | 97  | 80-97 highly weathered - drill product is predom, dark grey - green Clays Amphibolitebolite.                         |
| 13. | 97  | 101 | Qtz biotite gneiss.  |
| 14. | 101 | 110 | 100% phlogopite rich & macrocrystic fresh hypabyssal kimberlite. Nice to see such comincing kimberlite for a change. |
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**NB: For any enquiries, application, acquisition or verifications related to Water Boreholes, kindly contact the Department of Water and Sanitation for assistance.**

