

## Borehole Information

**Borehole Number:**

**105/25/K003/1A/H10**

**Prospecting Company:** De Beers Holdings Botswana

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

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.70478 , 27.884312

**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.	2	5	Kimberlitic clay with pink fsp gneiss + quartzite chips.
2.	5	6	Kimberlite breccia.
3.	6	8	Predominantly 100% inclusions with no kimberlitic clay - xenolith? Chips of felsic gneiss and minor pink fsp gneiss and quartzite.
4.	8	29	Green kimberlitic clay & 20% pf gneiss chips.
5.	29	31	Aphanitic, phlogopite bearing blue kimberlite 40%?
6.	31	33	50% kimberlite, 50% pink fsp gneiss + Amphiboliteibolite.
7.	33	39	90% kimberlite, 10% pfs gneiss + Amphibolite.
8.	39	41	Kimberlite presence indicate by green clay coatings to grains + chips. Inclusions predominantly of pink fp gneiss and Amphiboliteibolite.
9.	41	55	Cubic xtals of calcite observed.
10.	55	57	70% blue kimberlite, inclusions of pink fsp gneiss.
11.	57	60	90% kimberlite + kimberlite clay.
12.	63	67	Phlogopites observed in k.clay.
13.	67	71	60% kimberlite with phlogopites.
14.	71	75	Inclusions of quartz - fsp - biotite Schist, Amphiboliteibolite mostly clay in sample.

**Physical Address:** Plot 11566, Khama 1 Avenue, Lobatse, Botswana

**Postal Address:** Private Bag 0014, Lobatse, Botswana

**Telephone:** +267 533 0327 / +267 533 0428 **Fax:** +267 533 4295

**Email:** info@bgi.org.bw **Website:** www.bgi.org.bw

**Page Number:** 1 | **Date/Time Stamp:** Wed, 22 Jan 25 19:05:16 +0200





## Borehole Information

---

15.	75	79	Qz - fsp - biot - Schist, pink gneiss. Qtz chip of kimberlite exhibits both a partially decomposed olivine (1mm) and a phlogopite.
16.	79	85	70% kimberlite clay.
17.	85	89	80% fresher kimberlite, k.clay content 1cm.
18.	89	91	Wet sample, numerous inclusions of pink fsp gneiss, quartzite, quartz inclusion = 80% .
19.	91	95	70 inclusions, kimb mainly clay.
20.	95	101	Phlog - bearing blue kimberlite 40%.
21.	101	107	90% kimberlite - including clay.
22.	107	110	Blue kimberlite with inclusions of felsic gneiss, pink - fsp - gneiss, pink - fsp - gneiss Amphibolitebolite.
23.	110	111	Kimberlite breccia.

---

**NB: For any enquiries, application, acquisition or verifications related to Water Boreholes, kindly contact the Department of Water and Sanitation for assistance.**

