

## Borehole Information

**Borehole Number:**

**105/25/K003/1A/H3**

**Prospecting Company:** De Beers Holdings Botswana

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

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.704448 , 27.883129

**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	2	Dark brown clayey Topsoil.
2.	2	5	Yellow calc/silc basement frag + qtz, Amphibolite, kfspar.
3.	5	23	Predominantly olive green clay highly weathered green/brown, mottled, gritty kimberlite (gritty in sense that it looks like immature Sandstone) inclusions variable 20-80% kfspar, Amphiboliteibolite.
4.	23	29	Kimberlite is mod fresh - fresh below 23m, olive green - grey generally features hypabyssal kimberlite. Inclusions variable 95-5% k-fspar and Amphiboliteibolite. Kimberlite is phlogopite bearing books up to 5mm observed.
5.	29	30	5% inclusions.
6.	30	32	20% inclusions
7.	32	33	10% inclusions.
8.	33	38	5% inclusions.
9.	38	40	Fresh grey - green, features hypabyssal kimberlite.
10.	40	46	90% inclusions pale green chloritic qtz.
11.	46	48	95% inclusions.
12.	48	50	Amphiboliteibolite and k-fspar - xenolith.
13.	50	51	52m 20% inclusions.
14.	51	53	Amphiboliteibolite - xenolith.

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15.	53	59	20% inclusions
16.	59	62	20% inclusions - green layered microcrystalline qtz.
17.	62	65	5% inclusions.
18.	65	70	20% inclusions.
19.	70	72	40% inclusions.
20.	72	79	Grey, features, phlogopite bearing hypabyssal kimberlite.
21.	79	82	20% inclusions.
22.	82	85	50% inclusions.
23.	85	89	95% inclusions.
24.	89	97	30% inclusions.
25.	97	110	Fine, grey, features, phlogopite bearing hypabyssal kimberlite. Inclusions variable 95-5% Amphiboliteibolite and k-feldspar.

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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.

