

## Borehole Information

**Borehole Number:**

**105/25/K004/1D/H4**

**Prospecting Company:** De Beers Holdings Botswana

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

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.702943 , 27.897686

**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):** 107 Metres

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	1	Red brown Topsoil with calcrete.
2.	1	3	90% Amphibolitebolite serpentinitised olive green poorly macrocrystic kimberlite with highly variable inclusion content,30% kfspars gneiss.
3.	3	7	5-10% kfspars.
4.	7	9	100% kfspars gneiss.
5.	9	13	100% chloritised felsic gneiss.
6.	13	16	Inclusion variable, poorly phlog & ol macrocrystic kimberlite, TKB, kimberlite is difficult to characterise.
7.	16	19	5% kfspars.
8.	19	22	>99% pink gneiss.
9.	22	23	100% pink gneiss k coating.
10.	23	26	50% kfspars and Amphibolitebolite.
11.	26	28	>95% qf gneiss.
12.	28	30	5% kfspars.
13.	30	32	40% pink kfspars.
14.	32	36	20% kfspars.

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15.	36	39	20% kfs Amphiboliteibolite.
16.	39	49	80% kfs.
17.	49	54	>95% kfs gneiss.
18.	54	59	1% kfs & Amphiboliteibolite.
19.	59	63	Grey, generally features other than some
20.	63	69	10% kfspar.
21.	69	73	Inclusion rich olive green/grey kimberlite, TKB phlogopite bearing.
22.	73	78	50% kfs Amphiboliteibolite.
23.	78	79	80% Amphiboliteibolite & kfspar.
24.	79	80	99% bt/Amphiboliteib gneiss.
25.	80	81	90-95% inclusions.
26.	81	83	90% fine grain Amphiboliteibolite.
27.	83	84	95% kp gneiss.
28.	84	85	95% biotite bearing microcratic gneiss.
29.	85	89	Biotite bearing quartzo feldsparthic gneisses with rare chips of kimberlite - may only be contamination.
30.	89	107	Predominantly chloritised QF gneiss with 1-5% macrocrystic phlogopite bearing kimberlite.

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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.

