

Borehole Information

Borehole Number:

105/25/K003/1A/H6

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL31/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.704792 , 27.883909

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	Topsoil
2.	4	5	Pink gneiss (alk fsp rich) green clay.
3.	5	6	80% gneiss, 20% green clay.
4.	15	19	Macrocrystic kimberlite olivines seen but chips are still fairly decomposed, gneiss xenoliths.
5.	19	21	50% kimberlite, 50% gneiss.
6.	21	26	Vein quartzite xenolith, pink fsp gneiss + green kimb phlogopites visible.
7.	26	30	Kimberlite becoming harder + fresher.
8.	30	37	60% kimberlite with phlogopite, 40% gneiss.
9.	37	38	Blue kimberlite, fresh + hard (80%).
10.	38	39	Recrystallised vein material, pale green chaledony.
11.	39	42	Recrystallised vein material 80%, kimberlite 20%.
12.	42	48	Blue kimberlite with visible euhedral 70% basement.
13.	48	50	80% macrocrystic kimberlite, 20% pink fsp gneiss.
14.	50	52	40% inclusions, 60% blue kimberlite - can see calcite xtals?
15.	52	56	90% kimberlite (inclusions include Amphibolitebolite, quartzite and pink feldspar basement. Kimberlite is generally aphanitic but with some visible phlogopites.

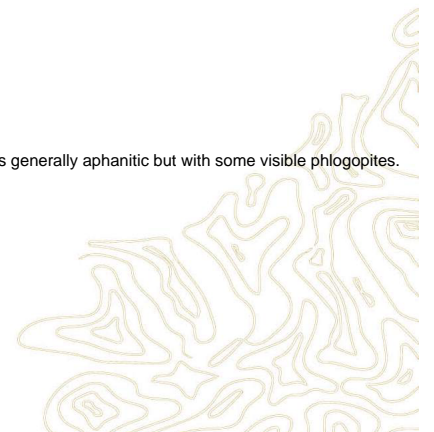
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Page Number: 1 | **Date/Time Stamp:** Wed, 22 Jan 25 17:44:08 +0200





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16.	56	60	80% kimberlite (inclusions include Amphiboliteibolite, quartzite and pink feldspar basement. Kimberlite is generally aphanitic but with some visible phlogopites.
17.	60	69	70% kimberlite inclusions include Amphiboliteibolite, quartzite and pink feldspar basement. Kimberlite is generally aphanitic but with some visible phlogopites.
18.	69	70	80% kimberlite (inclusions include Amphiboliteibolite, quartzite and pink feldspar basement. Kimberlite is generally aphanitic but with some visible phlogopites.
19.	70	71	90% recrystallized quartz vein material + pink gneiss.
20.	71	77	70% recrystallized quartz vein material + 30% kimberlite.
21.	77	89	20% quartz vein material, 80% kimberlite.
22.	89	90	95% blue kimberlite.
23.	90	92	60% kimberlite, 40% quartz vein material.
24.	92	95	10% kimberlite, 90% quartz vein material.
25.	95	97	100% basement - vein quartz, quartzitic gneiss.
26.	97	99	40% kimberlite, 60% pink fsp gneiss + felsite.
27.	99	100	70% kimberlite (varying degrees of inclusions of vein quartz and gneiss). Kimberlite is blue and fresh with phlogopites.
28.	100	102	20% kimberlite (varying degrees of inclusions of vein quartz and gneiss). Kimberlite is blue and fresh with phlogopites.
29.	102	103	70% kimberlite (varying degrees g inclusions g vein quartz and gneiss). Kimberlite is blue and fresh with phlogopites.

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

