

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.

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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.

