

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 19:06:48 +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.

