

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. |

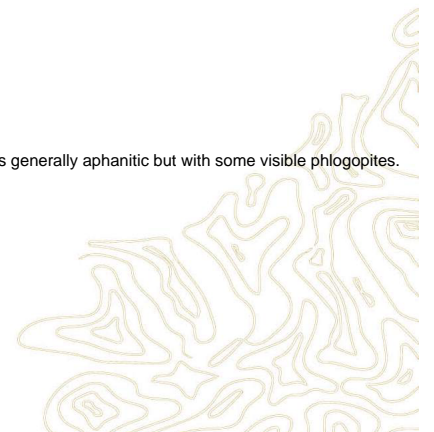
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Page Number: 1 | **Date/Time Stamp:** Sun, 22 Dec 24 10:10:39 +0200





Borehole Information

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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.

