

Borehole Information

Borehole Number:

105/17/X919/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL107/96

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -21.36651 , 25.203809

Location: Orapa

Start Drill: 2005-03-16

End Drill: 2005-03-17

Borehole Type: Exploration

Drilling Method: Percussion & Core

Sample Type: Core & Chips

Depth of Surface Casing: N/A

Azimuth: Degrees

Hole Inclination: -90 Degrees

Collar Elevation: 978 Metres

Borehole Water Strike: 59 Metres

End of Hole (Depth): 83 Metres

Log Formation:

| No. | From (m) | To (m) | Log Formation |
|-----|-------------|-----------|---|
| 1. | 0 | 1 | Dark brown top Topsoil mixed few Silcrete. |
| 2. | 1 | 4 | Pale yellow creamish Silcrete calcretised. |
| 3. | 4 | 5 | Pale yellow moderate competent weathered basalt. |
| 4. | 5 | 8 | Dark brown yellowish calcite rich basalt. |
| 5. | 8 | 14 | Pale yellow calcite abundant weathered basalt moderate competent. |
| 6. | 14 | 19 | Yellowish brown moderate competent weathered basalt. |
| 7. | 19 | 23 | Greyish yellow weathered basalt comprising few amygdals plus calcite. |
| 8. | 23 | 29 | Dark brownish grey fresh competent basalt. |
| 9. | 29 | 30 | Dark grey competent basalt. |
| 10. | 30 | 32 | Dark yellowish olive weathered basalt. |
| 11. | 32 | 37 | Yellowish brown weathered basalt calcite contain. |
| 12. | 37 | 41 | Ligth yellowish orange weathered basalt. |
| 13. | 41 | 46 | Dark grey blueish fresh competent kimberlite? (homogeneous). |
| 14. | 46 | 47 | Yellowish grey weathered kimberlite. |
| 15. | 47 | 51 | Dark grey blueish fresh competent kimberlite. |

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|-----|----|----|---|
| 16. | 51 | 52 | Yellow greyish weathered kimberlite. |
| 17. | 52 | 58 | Dark grey blueish fresh competent homogenous kimberlite. |
| 18. | 58 | 61 | Light grey pyroclastic kimberlite more less competent, karoo sediment observed. |
| 19. | 61 | 65 | Medium brownish pink weathered fine grained Sandstone. |
| 20. | 65 | 75 | Light yellowish grey fine grained weathered Sandstone. |
| 21. | 75 | 78 | Light yellowish grey to olive weathered Sandstone. |
| 22. | 78 | 81 | Light red brownish moderate competent mudstone. |
| 23. | 81 | 83 | Light greenish brown weathered mudstone. |

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

