

Borehole Information

Borehole Number: **105/24/X010**

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL109/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees **Coordinates:** -22.857756, 26.146665

Location: Moralane

Start Drill: 1900-01-02

End Drill: N/A

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: 1144 Metres Borehole Water Strike: N/A End of Hole (Depth): 146 Metres

Log Formation:

| No. | From (m) | To (m) | 3 · |
|-----|-------------|-----------|---|
| 1. | 0 | 1 | U Kalahari - unconsolidated ferricreted surficial scree. Few +2mm chips recovered |
| 2. | 1 | 6 | U Kalahari - buff white submature, moderate to poorly sorted, medium to fine grained massive and nodular Silcreted calcareous Sand/siltstone |
| 3. | 6 | 11 | Mosolotshane Fm - buff grey and maroon laminated, weathered and massive argillaceous and calcareous mudstone |
| 4. | 11 | 25 | Tlapana Fm - light grey massive and mature argillaceous siltstone/Shale assuming a darker grey black organic mudstone colour below 17m depth |
| 5. | 25 | 48 | Tlapana Fm - light grey, slightly greenish tinged mature argillaceous siltstone/Shale, well sorted with black organic spots and a dark grey/black organic mudstone lenses at 28-29m depth |
| 6. | 48 | 64 | Tlapana Fm - dull black and mature vitranous and carbonaceous Shaley Coal with several thin (cm) vitreous Coal stringers |
| 7. | 64 | 78 | Medium to coarse grained, massive and crystalline altered/weathered feldspathic granopyhre showing extreme weathering and alteration towards the base |
| 8. | 78 | 81 | Friable and extremely weathered granophyre with abundant black carbonaceous Shale contaminants from above horizons. Probable collapse material |
| 9. | 81 | 88 | Medium to coarse grained, crystalline but friable severely weathered and altered feldspathic granophyre |
| 10. | 88 | 146 | Massive and fine grained, dark coloured and moderately weathered to fresh crystalline dolerite becoming fresher and more aphanitic below 134m into a dark grey green light pinkish tinged probable basalt at base |

Physical Address: Plot 11566, Khama 1 Avenue, Lobatse, Botswana

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Borehole Information

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

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