

## Borehole Information

**Borehole Number:**

**105/24/X008/H1**

**Prospecting Company:** De Beers Holdings Botswana

**Prospecting License No.:** PL109/88

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.834752 , 26.195671

**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:** 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        | 7      | U Kalahari - Unconsolidated reddish brown ferricreted and buff white nodular hardpan calcrete fragments. Few 2mm chips recovered.   |
| 2.  | 7        | 9      | U Kalahari - Buff white sub to mature nodular and medium to fine grained, moderately sorted calcareous Sandstones pervasively ferricreted at base.  |
| 3.  | 9        | 45     | Mosolotshane Formation - Reddish brown /maroon -grey massive and mature, uniform and competent argillaceous ferruginous siltstone/mudstone.   |
| 4.  | 45       | 78     | Tlhabala Formation - Dull pale greyish green massive and mature competent and argillaceous Shaley mudstone with occasional dark organic Shale layers.                                       |
| 5.  | 78       | 99     | Tlapana Formation - Dull dark grey black massive and mature competent and uniform carbonaceous Shale with vitranous Coaly layers at 89-92m, 93-94m, 95-96m, and 98-99m depths.              |
| 6.  | 99       | 108    | Tlapana Formation - Dull dark grey black mature and vitranous Shaley Coal with several thin vitreous Coal layers  |
| 7.  | 108      | 115    | Tlapana Formation- Dull grey massive and mature, moderately sorted organic Shale/siltstone.   |
| 8.  | 115      | 116    | Tlapana Formation- Dull dark grey black mature and vitranous Shaley Coal  |
| 9.  | 116      | 128    | Tlapana Formation- Light to dull grey white spotted, medium to coarse grained arenitic and moderate to well sorted mature and micaceous Sandstone- quartz wacke with thin organic strigers. |
| 10. | 128      | 185    | Tlapana Formation- Dull dark grey black, uniform and mature vitranous Shale with vitreous Coals seems at 149-150m, 152-161m, 163-165m, 167-169m and 170-171m.                               |

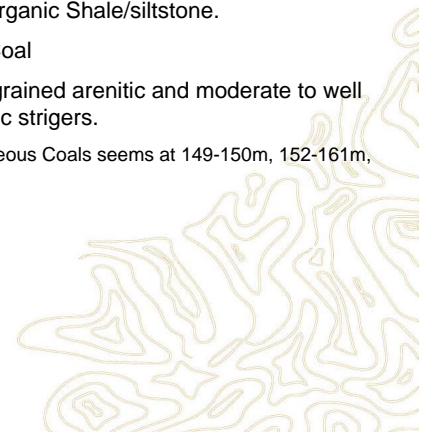
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**Page Number:** 1 | **Date/Time Stamp:** Sun, 22 Dec 24 11:10:56 +0200





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|-----|-----|-----|---|
| 11. | 185 | 201 | Tlapana Formation- Dull grey mature and uniform medium grained massive quartzite. |
| 12. | 201 | 208 | Very fine grained, crystalline and mottled dolerite.                              |
| 13. | 208 | 216 | Tlapana Formation- Dull grey -black carbonaceous Shale/siltstone                  |
| 14. | 216 | 231 | Tlapana Formation - Dull grey medium grained mottled and crystalline dolerite     |
| 15. | 231 | 236 | Sample missing. E.O.H   |

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

