

## 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.

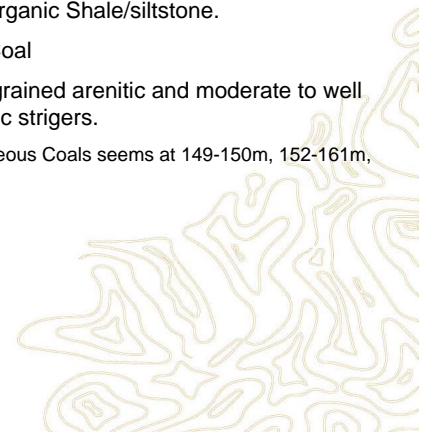
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11.	185	201	Tlapana Formation- Dull grey mature and uniform medium grained massive quartzite.
12.	201	208	Very fine grained, crystalline and mottled dolerite.
13.	208	216	Tlapana Formation- Dull grey -black carbonaceous Shale/siltstone
14.	216	231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

