

## Borehole Information

**Borehole Number:**

**105/24/X005/H1**

**Prospecting Company:** De Beers Holdings Botswana

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

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -22.758756 , 26.24168

**Location:** Moralane

**Start Drill:** 1996-01-01

**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):** 286 Metres

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	4	Unconsolidated,coarse-grained,aeolian granitic sands dominated by quartz,feldspar,silcrete,ferricrete clasts.
2.	4	10	Dark grey-black,massive,mottled,mature calcreted silcrete.
3.	10	22	Buff-white,massive,sub to mature,well sorted,argillaceous and ubiquitously silcreted calcareous sand/siltstone.
4.	22	69	Purple-grey,mature,well sorted,argillaceous,calcareous shale/siltstone.
5.	69	70	Pale purple,white,spotted,mature,carbonaceous mudstone.
6.	70	71	Coarse-grained quartzitic/feldspathic gritstone with pale-greyish-green shale clasts.
7.	71	77	Buff to pale grey uniform calcareous clay/siltstone.
8.	77	79	Pale purple to buff-grey, mature, carbonaceous, spotted mudstone/siltstone.
9.	79	120	Grey to purple, uniform shale with mottled mud clasts.
10.	120	137	Light-grey massive and uniform, competent and mature non-calcareous silty shale.
11.	137	172	Dark greenish-grey/black,uniform,massive,mature,carbonaceous,spotted,micaceous,silty shale.
12.	172	179	Light-grey black,medium to coarse-grained,massive,mature,well sorted,arenitic,carbonaceous greywacke/quartzwacke.
13.	179	200	Dull dark-grey,mature,vitraneous shaly coal with vitreous coal seams between 196-200m.
14.	200	205	Light-grey,massive,mature,well sorted,slightly organic shale/siltstone.

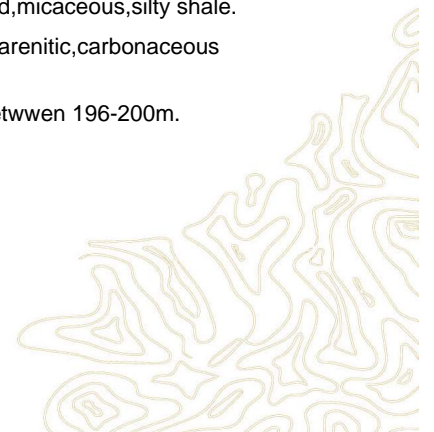
**Physical Address:** Plot 11566, Khama 1 Avenue, Lobatse, Botswana

**Postal Address:** Private Bag 0014, Lobatse, Botswana

**Telephone:** +267 533 0327 / +267 533 0428 **Fax:** +267 533 4295

**Email:** info@bgi.org.bw **Website:** www.bgi.org.bw

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15.	205	233	Dull dark-grey black mature and vitreous shaly coal.
16.	233	235	Dark-grey, massive, mature, well sorted, argillaceous, carbonaceous, shaly siltstone which grades into a coarse, arenitic carbonaceous quartzwacke at base.
17.	235	246	Dull dark-grey black massive and mature competent carbonaceous shale.
18.	246	250	Light to dull-grey, medium to coarse-grained, arenitic, well sorted, mature, carbonaceous quartzwacke.
19.	250	257	Dull dark-grey black, massive, mature, competent, carbonaceous shale with shaly coal seams at 253-256m.
20.	257	261	Missing sample.
21.	261	271	Greenish-grey, fine to medium-grained, crystalline, massive, feldspathic granophyre, variously weathered and altered.
22.	271	280	Missing sample.
23.	280	286	Dull greenish-grey-black, altered, fine to medium-grained, feldspathic granophyre. 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.

