

## Borehole Information

**Borehole Number:**

**105/17/X723/H01**

**Prospecting Company:** De Beers Holdings Botswana

**Prospecting License No.:** PL107/96

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -21.307646 , 25.1743

**Location:** Orapa

**Start Drill:** 2005-03-14

**End Drill:** 2005-03-15

**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:** 951 Metres

**Borehole Water Strike:** 71 Metres

**End of Hole (Depth):** 173 Metres

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	1	Dark brown Sandy top Topsoil.
2.	1	6	Very light grey creamish calcretised Silcrete ( coarse fragment observed).
3.	6	11	Medium brown fresh Silcrete plus few calcrete.
4.	11	12	Red brown weathered basalt.
5.	12	16	Yellow brownish moderate competent calcite rich basalt.
6.	16	21	Dark grey brownish pyroclastic materials (basalt, Silcrete and mudstone pieces observed).
7.	21	23	Dark red brown calcite and amygdals rich fresh basalt.
8.	23	27	Pink dark brownish mixtured basalt, Silcrete and calcite.
9.	27	29	Dark brown weathered medium competent basalt comprising calcite.
10.	29	31	Medium brown yellowish weathered basalt.
11.	31	32	Dark red brown fresh basalt.
12.	32	34	Dark brownish yellow fresh amygdaloidale basalt.
13.	34	38	Dark red brown fresh competent basalt mixed of abundant Silcrete.
14.	38	44	Dark medium brown fresh competent basalt mixed of abundant Silcrete.
15.	44	53	Dark grey blueish pyroclastic materials mostly consist of basalt and Silcrete.

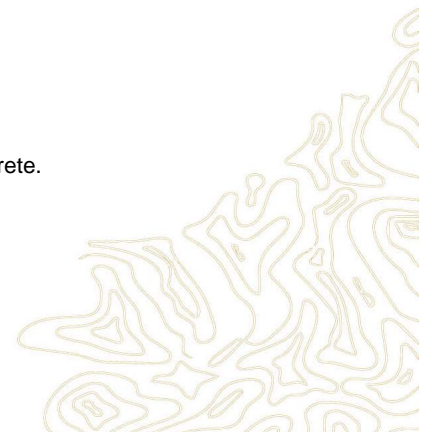
**Physical Address:** Plot 11566, Khama 1 Avenue, Lobatse, Botswana

**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

**Page Number:** 1 | **Date/Time Stamp:** Wed, 22 Jan 25 17:43:35 +0200



## Borehole Information

16.	53	55	Dark green olive moderate competent basalt.
17.	55	63	Dark grey blueish moderate competent pyroclastic materials (basalt and Silcrete contain).
18.	63	65	Dark brown moderate competent fresh basalt.
19.	65	70	Dark greenish yellow moderate competent fresh basalt.
20.	70	71	Medium brownish yellow pyroclastic materials layer.
21.	71	80	Dark grey greenish pyroclastic materials highly competent, mainly consist of basalt and siltstone
22.	80	81	Dark green greyish fresh basalt.
23.	81	96	Dark green greyish fresh pyroclastic materials comprising siltstone and basalt plus few quartz.
24.	96	102	Mixture of dark grey basalt with greenish blue siltstone highly competent and fresh.
25.	102	113	Dark grey greenish fresh competent basalt.
26.	113	114	Siltstone mixed of greyish fresh basalt.
27.	114	118	Dark greyish brown fine grained fresh basalt.
28.	118	120	Light grey brownish fresh competent Sandstone.
29.	120	121	Dark red brown fresh competent mudstone.
30.	121	122	Dark brown fresh competent basalt.
31.	122	127	Dark grey greenish fresh basalt.
32.	127	133	Dark grey brown siltstone mixed of fresh basalt.
33.	133	137	Dark grey blueish fresh competent basalt.
34.	137	144	Medium brown fresh mudstone.
35.	144	145	Light grey olive fresh mudstone.
36.	145	150	Dark brown to olive fresh mudstone.
37.	150	153	Dark brown fresh competent mudstone.
38.	153	156	Dark brown fresh competent mudstone.
39.	156	170	Dark brown greyish mudstone fresh and competent.
40.	170	173	Dark brown mudstone (fresh competent).

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

