

## Borehole Information

**Borehole Number:**

**105/18/X623/H01**

**Prospecting Company:** De Beers Holdings Botswana

**Prospecting License No.:** PL001/97

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -21.429931 , 25.560861

**Location:** Orapa

**Start Drill:** 2005-04-04

**End Drill:** 2005-04-05

**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:** 995 Metres

**Borehole Water Strike:** 30 Metres

**End of Hole (Depth):** 161 Metres

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	1	Medium yellowish brown fine grained Sand.
2.	1	5	Light grey creamish weathered calcrete.
3.	5	7	Medium yellowish grey weathered basalt.
4.	7	10	Light yellowish brown calcite rich weathered basalt (moderate competent).
5.	10	16	Yellowish brown to greyish red moderate competent basalt (amygdals and calcite rich).
6.	16	27	Dark grey competent basalt, calcite contain.
7.	27	47	Very dark greyish blue fresh basalt highly competent.
8.	47	48	Medium greyish brown fresh basalt.
9.	48	53	Dark brown greyish fresh competent basalt comprising abundant basalt.
10.	53	56	Dark grey fresh highly competent basalt.
11.	56	58	Dark greyish green fresh gabbro comprising few pyrite.
12.	58	61	Medium greyish brown fresh basalt.
13.	61	78	Dark greyish to light green competent basalt fine grained.
14.	78	81	Medium reddish brown competent basalt.
15.	81	82	Light brown fine grained Sandstone weathered layer.

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16.	82	83	Dark brownish moderately competent basalt.
17.	83	85	Dark brown fresh basalt with few calcite.
18.	85	87	Medium brown to light yellow weathered Sandstone.
19.	87	88	Greyish brown moderate competent fresh basalt.
20.	88	91	Dark brown amygdaloidale competent fresh basalt.
21.	91	98	Dark grey fresh basalt highly competent with few amygdals and calcite.
22.	98	104	Dark greyish blue fresh amygdaloidale basalt highly competent.
23.	104	113	Mixture (in alternance) of light grey gabbro with dark grey competent basalt (amygdals present and few pyrite observed).
24.	113	118	Very dark grey fresh competent basalt.
25.	118	120	Medium brownish grey amygdaloidale basalt.
26.	120	123	Dark greyish brown fresh competent basalt.
27.	123	124	Light greenish grey fresh gabbro (pyrite observed).
28.	124	129	Dark greyish brown fresh competent basalt plus few amygdals.
29.	129	137	Very dark grey blackish fresh competent basalt.
30.	137	138	Dark brown fresh basalt high competent.
31.	138	141	Dark reddish brown fine grained basalt comprising few amygdals.
32.	141	142	Light brown competent basalt.
33.	142	143	Dark brown fresh competent basalt.
34.	143	144	Light pink weathered Sandstone fine grained.
35.	144	145	Light yellowish orange weathered Sandstone.
36.	145	150	Light red fine grained weathered Sandstone.
37.	150	161	Very light yellow fine grained weathered Sandstone.

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

