

## Borehole Information

**Borehole Number:**

**105/18/X621/H01**

**Prospecting Company:** De Beers Holdings Botswana

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

**Coordinates Type:** WGS 84

**Coordinates Format:** Decimal Degrees

**Coordinates:** -21.429372 , 25.569395

**Location:** Orapa

**Start Drill:** 2005-04-01

**End Drill:** 2005-04-02

**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:** 994 Metres

**Borehole Water Strike:** 15 Metres

**End of Hole (Depth):** 150 Metres

**Log Formation:**

No.	From (m)	To (m)	Log Formation
1.	0	1	Light grey creamish calcrete mixed of top Topsoil.
2.	1	2	Light grey creamish weathered calcrete.
3.	2	4	Light grey olive creamish calcrete mixed of Silcrete.
4.	4	9	Light grey calcretised fresh competent Silcrete.
5.	9	15	Brownish light grey fresh competent Silcrete plus few calcrete.
6.	15	18	Dark red brown oxidised basalt moderately competent.
7.	18	24	Dark brown amygdaloidale fresh basalt moderate competent.
8.	24	26	Dark red fresh competent basalt comprising calcite.
9.	26	30	Dark red brown fresh and competent amygdaloidale basalt.
10.	30	35	Medium brown fine grained fresh basalt (competent) plus few calcite.
11.	35	37	Medium brown calcite and amygdals rich basalt (fresh).
12.	37	44	dark reddish brown fresh basalt plus few calcite contain.
13.	44	50	Medium greyish black competent fresh basalt containing few calcite.
14.	50	56	Dark greyish green fresh competent basalt.
15.	56	63	Medium brown competent amygdals rich fresh basalt.

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16.	63	64	Light reddish brown fresh Sandstone layer.
17.	64	69	Light reddish brown competent basalt comprising greenish amygdals plus calcite.
18.	69	76	Dark greyish brown fresh basalt moderately competent containing greenish amygdals.
19.	76	77	Brownish amygdaloidale fresh basalt.
20.	77	84	Dark greyish green fresh basalt higtly competent.
21.	84	89	Very dark greenish grey fresh competent basalt.
22.	89	92	Dark greenish grey fresh basalt containing few amygdals.
23.	92	96	Dark greenish grey fresh competent basalt.
24.	96	100	Dark grey fresh competent basalt.
25.	100	102	Brownish grey amygdaloidale fresh and competent basalt.
26.	102	105	Dark brownish grey fresh basalt highly competent.
27.	105	106	Dark grey greenish fresh competent basalt.
28.	106	107	Dark reddish brown competent basalt.
29.	107	109	Dark greyish brown fresh competent basalt.
30.	109	112	Dark brown moderate competent basalt with few amygdals on the bottom.
31.	112	113	Oxidised amygdaloidale fresh basalt.
32.	113	119	Dark brown fine grained fresh basalt comprising few amygdals plus blackish minerals.
33.	119	121	Dark blackish grey competent fresh basalt.
34.	121	123	Light red oxidised fresh competent basalt.
35.	123	126	Dark grey blackish fresh competent gabbro (ignous mafic rock).
36.	126	136	Dark greyish blue fresh competent gabbro ? Comprising fine grained pyrite.
37.	136	137	Light brown competent fresh Sandstone.
38.	137	140	Medium reddish brown fresh basalt plus few amygdals.
39.	140	144	Light yellowish orange weathered Sandstone fine grained.
40.	144	145	Dark brown weathered Sandstone.
41.	145	150	Light yellowish fine grained Sandstone.

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

