

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.

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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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.

