

Borehole Information

Borehole Number:

105/17/X453/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL57/98

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -21.4631 , 24.457121

Location: Orapa

Start Drill: 2004-08-12

End Drill: 2004-08-13

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: 941 Metres

Borehole Water Strike: N/A

End of Hole (Depth): 170 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	3	Dark grey to medium fine Sand.
2.	3	11	Orange fine - medium Sand slightly cemented to cream with cream calcrete increased downward.
3.	11	13	Grey orange calcareous Sand.
4.	13	26	Grey orange calcareous Sand.
5.	26	30	Grey fine grained silcretised Sandstone (Massive).
6.	30	49	Grey Sandstone becoming creamy (calcrete).
7.	49	60	Orange medium grained Sandstone becoming red brown (dark red to fine) up to 76m.
8.	60	69	Red brown fine Sandstone.
9.	69	74	Dark red (as above) silty magnetic. Ferruginised fine grained Sandstone.
10.	74	76	None rounded quartz clasts up to 10mm in size.
11.	76	82	Dark brown (red dark) very fine grained Sandstone with some pale grey siltstone.
12.	82	84	Dark brown (Flaky) siltstone.
13.	84	88	Red brown siltstone.
14.	88	93	Slight colour change (towards grey) brown siltstone.
15.	93	108	Siltstone: brown and grey greenish.

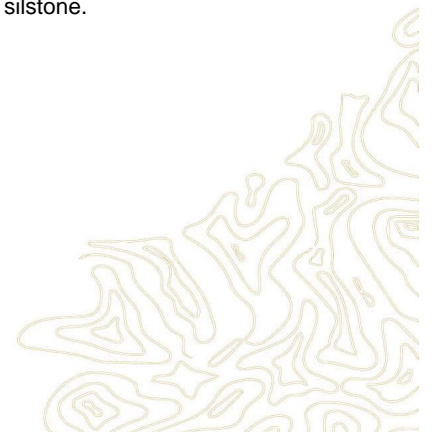
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16.	108	117	Dark grey (green) very fine grained slightly to moderately magnetic (mafic) rock with grey green fine grained Sandstone (siltstone). Green mafic rock details: Texture (very fine), color (green-dark green), identifiable minerals (dark green with PX?), mi
17.	117	120	Brown (dirty) siltstone.
18.	120	126	Grey brown siltstone.
19.	126	150	Grey siltstone very hard, very fine grained Sandstone (no visible texture)
20.	150	155	Very fine grained grey siltstone (Flacky).
21.	155	156	Dark grey igneous texture and siltstone.
22.	156	170	Dark grey mafic and magnetic rock. Texture (very fine grained); color (dark grey and some whitish Sandstone); matrix (dark grey); Minerals (probably Pyroxenite green); rock type (probably) dolerite. Black minerals 1mm in size, grey whitish feldspar.

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

