

Borehole Information

Borehole Number:

105/17/X569/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL57/98

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -20.999932 , 25.082797

Location: Orapa

Start Drill: 2004-08-06

End Drill: 2004-08-10

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: 901 Metres

Borehole Water Strike: N/A

End of Hole (Depth): 183 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	3	Pale-orange fine Sand ,Topsoil and black Silcrete (dark-grey).
2.	3	16	Dark-grey massive Silcrete, Grey-greenish (medium - olive) fine matrix supporting coarse & medium rounded quartz grains. Green medium grained Sandstone (9 - 16m).
3.	16	19	Grey medium grained Sandstone and rounded large (1cm in size) quartz clasts (gravels).
4.	19	26	Very fine grained grey (silicified) Sandstone coarsens downward to 28m (with some green lithics at the base.
5.	26	30	Dark-brown very fine grained laminated Sandstone, underlain by a red-brown mudstone.
6.	30	35	Grey-green mudstone (60%-70%) & red-brown mudstone (30 - 40%).
7.	35	50	Red-brown mudstone (some purplish).
8.	50	65	Pale-grey (greenish) mudstone/siltstone..
9.	65	90	Essentially greyy mudstone but with dark-brown-greyish, to pale-orange horisons.
10.	90	105	Grey pale-orange (greenish-brown) siltstone.
11.	105	125	Siltstone: Slight colour change at 105m from pale orange (brownish) to grey..
12.	125	156	Grey siltstone.
13.	156	164	Shining crystals of Pyrite (?) in a dark-grey siltstone. Grey siltstone with black mudstone/siltstone Coal lenses.
14.	164	168	Dark-grey Coally siltstone.

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Borehole Information

15. 168 183 Black Coally mudstone with Coal lenses to the end of hole at 183m. .

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

