

Borehole Information

Borehole Number:

105/17/X405/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL7/2000

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -21.12991 , 24.74289

Location: Noanamokwe

Start Drill: 2006-02-20

End Drill: 2006-02-21

Borehole Type: Exploration

Drilling Method: Core

Sample Type: Core

Depth of Surface Casing: N/A

Azimuth: Degrees

Hole Inclination: N/A

Collar Elevation: N/A

Borehole Water Strike: 62 Metres

End of Hole (Depth): 138 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	2	Dark brown, fine-grained cohesive Sand.
2.	2	5	Yellowish brown, fine-grained cohesive Sand.
3.	5	16	Greyish green, calcretised Silcrete with tabular, elongated needle-like shapes (pan-sediments).
4.	16	21	Dark greenish, calcretised Silcrete with a significant increase in needle shaped fragments which are very hard (pan sediments)
5.	21	29	Greyish green, fine to medium grained, calcretised Sandstone (very hard), tabular shaped Silcrete fragments abundant. Shiny rounded quartz clasts observed.
6.	29	41	Greyish brown, very fine-grained calcretised Sandstone, highly contaminated by the overlying Silcrete.
7.	41	47	Greyish, fine-grained, calcretised, clay-rich Sandstone with super-abundant pyrite.
8.	47	49	Dark brown, fine-grained weathered Sandstone with reddish spots (oxides), and whitish calcite.
9.	49	50	Reddish brown, weathered and oxidised Sandstone.
10.	50	60	Dark greyish, fine-grained, weathered silty mudstone, with calcite veins along bedding planes (thinly laminated), amygdales like minerals of calcite observed
11.	60	62	Reddish brown, oxidised mixture of siltstone and greyish silty mudstone.
12.	62	63	Black, thinly laminated carbonaceous mudstone.
13.	63	67	Reddish brown, thinly laminated siltstone mixed with greyish siltstone, calcite veins prominent.

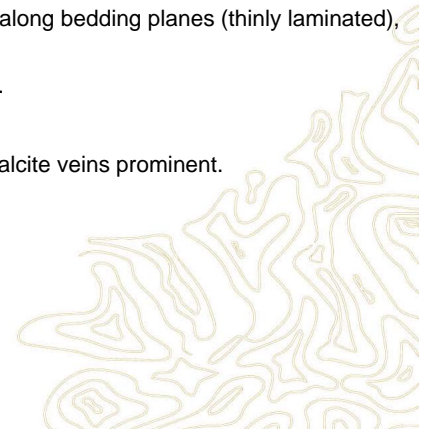
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14.	67	75	Very black thinly laminated carbonaceous mudstone (Coally) mixed with brown thinly laminated siltstone, and characterised by network of calcite veins along bedding planes.
15.	75	79	Reddish brown, oxidised, thinly laminated siltstone.
16.	79	89	Black, very fine-grained, fresh and competent igneous rock.
17.	89	96	Blackish but grading into greyish, fresh and competent igneous mafic rock.
18.	96	104	Greyish black, fresh and competent, fine-grained igneous mafic rock.
19.	104	135	Greyish green to dark greyish black (with depth), fine to medium grained, fresh and competent igneous mafic rock.
20.	135	138	Greyish to black, fine to medium grained igneous mafic rock (very fresh and competent), with calcite veining.

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

