Botswana Geoscience Institute
Excellence in Geoscience

Borehole Information

Borehole Number:
105/17/X212/H01

Prospecting Company: De Beers Prospecting Botswana (Pty) Ltd
Prospecting License No.: PL7/2000
Coordinates Type: WGS 84
Coordinates Format: Decimal Degrees
Coordinates: -21.4745 , 24.569599
Location: Orapa

Start Drill: N/A
End Drill: N/A
Borehole Type: Exploration
Drilling Method: Percussion
Sample Type: Core & Chips
Depth of Surface Casing: N/A
Azimuth: Degrees
Hole Inclination: N/A
Collar Elevation: N/A
Borehole Water Strike: N/A
End of Hole (Depth): 190 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	2	Surface vegetation: grass and shrub. Dark-grey Topsoil & dull (dirty) cream calcrete.
2.	0	2	
3.	2	8	Grey - orange to cream yellowish calcrete.
4.	2	8	
5.	8	17	Pale orange Silcrete (fine grained) with cream-yellow Sandy calcrete.
6.	8	17	
7.	17	35	Pale-orange & white Sandy calcrete.
8.	17	35	
9.	35	46	Dark-red medium graiined Sandstone (poorly consolidated) colour index increases downward.
10.	35	46	
11.	46	60	Very hard red-brown coarse grained (matrix free) Sandstone with "dirty" weathering/oxidation (quartzite-like) chips. Water struck at 60m.
12.	46	60	
13.	60	74	Grey-red- brown fine grained Sandstone.
14.	60	74	

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15.	74	86	Grey Sandstone with large (very coarse) up to 10mm size rounded quartz pebbles to 80m. Possibe gravel layer(s) within Sandstone.
16.	74	86	
17.	86	180	Mixture of grey & red-brown siltstone with some grey intercalations. Colour gradually changes to brown then orange-brown towards 112 - 115m then greyish at 120m.
18.	86	180	
19.	180	190	Grey siltstone. Note the mixture of colour grey & dark-grey. Some chips show dark laminations. E.O.H at 190m in grey siltstone.
20.	180	190	

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