

Borehole Information

Borehole Number:

105/17/X552/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL57/98

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -21.489711 , 24.501044

Location: Kedia

Start Drill: 2004-09-02

End Drill: 2004-09-07

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: 940 Metres

Borehole Water Strike: N/A

End of Hole (Depth): 255 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	10	Surface feature: Gentle depression Vegetation: Grass/shrubs. Black fine Sand & Topsoil (humid Sand) and buff powderly calcretised fine Sand.
2.	10	13	Grey white-coated Silcrete.
3.	13	19	Cream-white calcrete & Silcrete.
4.	19	28	Dark-grey & mottled Silcrete and mottled medium grained calcretised Sandstone.
5.	28	37	Medium calcretised Sandstone and Sandy calcrete.
6.	37	43	Orange-pinkish fine to medium grained Sandstone.
7.	43	51	Pink-red-brown medium grained Sandstone with some gravel.
8.	51	58	Bioturbated coarse Sandstone, reddish, Chert and gravel.
9.	58	62	Very (fine grained) dark-red siltstone.
10.	62	74	Red-brown medium grained Sandstone lays in siltstone. Chert and gravel in Sandstone.
11.	74	82	Sandstone: fine grained, pale grey (shiny but not micaceous) becoming grey downwards.
12.	82	90	Major change to dark-red laminated mudstone/siltstone, grey fine Sandstone & red-dark (pink) siltstone intercalation. Water at 85m. Grey medium to coarse grained Sandstone.
13.	90	97	Grey fine grained Sandstone with minor gravels at the top. Typical alluvial gravel at the base.
14.	97	120	Mixture siltstone Sandstone. Red-brown siltstone slightly magnetic. Slight colour variations in places to red-brown (pinkish).

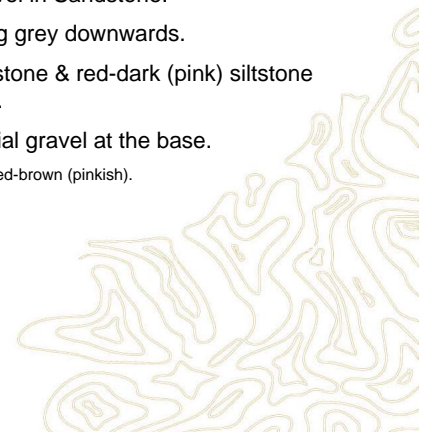
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15.	120	150	Siltstone: Red-brown & some yellowish - greyish. Colour becomes dull downward toward brown.
16.	150	159	Brown-greyish, colour shifting toward greyish up to 159m.
17.	159	176	Essentially grey siltstone to 183m.
18.	176	194	Pale-grey siltstone.
19.	194	197	Beautifully laminated dark-brown slate-like siltstone. Note: red-laminated Shales.
20.	197	205	Grey siltstone with dark-brown & red/pink laminas,
21.	205	219	Dark-brown, very fine texture, some unidentified crystals up to 1mm. can be seen in this fine, brown matrix, note elevated magnetic susceptibility. A large but very weathered yellowish crystal (3mm in size) Texture indicates Igneous but not identifiable
22.	219	241	Grey & brown (pinkish) siltstone or grey-light-green. Essentially grey siltstone but with pinkish lenses.
23.	241	255	Grey, greenish (pale-green) and dark-green siltstone.

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

