

Borehole Information

Borehole Number:

105/21/X002/H1

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL78/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.55909 , 21.719548

Location: Ghanzi

Start Drill: N/A

End Drill: N/A

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: N/A

End of Hole (Depth): N/A

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	3	Unconsolidated sand.
2.	0	3	U Kalahari - Unconsolidated Sand - no chips recovered.
3.	3	20	U Kalahari - Submature, bioturbated lacustrine Sands with abundant quartz and Silcrete granules.
4.	20	27	U Kalahari - mature light grey and mottled Silcrete (massive).
5.	27	45	L Kalahari - submature, medium to fine grained calcareous, buff - grey -green coloured. Pervasive silcretion below 30m depth.
6.	45	49	L Kalahari - massive, mature, poorly - sorted greyish -green siliceous matrix supported Sandstone.
7.	49	83	Karoo - reddish brown mature poorly sorted and matrix supported Sandstone, grits and Conglomerate at base.
8.	83	86	Karoo - reddish -maroon/mauve ferruginous mudstone .
9.	86	90	Karoo - maroon coloured, mature and massive, poorly - sorted siltstone.
10.	90	103	Karoo - massive buff brown/khaki coloured, moderate -poorly sorted, medium grained micaceous Sandstone coarsening towards base into a gritstone/Conglomerate towards base.
11.	103	108	Karoo - purple coloured, massive, medium grained, moderately sorted and matrix supported mature Sandstone.
12.	108	110	Karoo - mauve - grey - maroon mud/Sand/siltstone - bsitic probable Conglomerate, mud and Sand/siltstone fragments similar to horizons above. bsit very fine grained and micaceous and microstalline.

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13.	110	117	Karoo - mauve - maroon wthrd fine grained micaceous and massive bslt with tints of buff - colour towards the base.
14.	117	120	Karoo - buff - maroon wthrd mudstone - bslt.
15.	120	124	Karoo - mauve - fine grained, microcrystalline amygdaloidal bslt, becomes fresher and dark-grey -green below 121m depth.
16.	124	141	Karoo - grey - green micaceous Shales/slate becoming darker and fresher below 129m depth.
17.	141	248	Karoo - massive dark - grey, fine grained, microxstalline amygdaloidal bslt with green zeolites weathering /altering to a maroon fringe.

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

