

Borehole Information

Borehole Number:

105/21/X044/H4

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL78/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.63408 , 21.419433

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	71	Kalahari beds. Sandy Silcrete, cream-green altered kimberlite>50%.
2.	71	74	> 50% Silcreted epiclastic kimberlite, cream-green altered kimberlite, Karoo siltstone xenoliths 10%, unidentified melanocratic xenoliths: hypabyssal kimberlite? Basalt? Basement?
3.	74	75	As above. Melanocratic rock looks like HK with segregationary texture.
4.	75	76	20% HK, Sandy Silcrete, altered kimberlite, Karoo siltstone.
5.	76	77	Melanocratic xenoliths >22%, altered kimberlite, epiclastic Sandstone.
6.	77	78	Epiclastic Sandstone and xenoliths.
7.	78	79	Possibly altered primary kimberlite 50%, epiclastic Sandstone, xenoliths.
8.	79	80	Predominantly epiclastic Sandstone.
9.	80	81	Consolidated crater facies, Karoo siltstone and Sandstone xenoliths, melanocratic xenoliths, possibly altered primary kimberlite.
10.	81	82	Predominantly epiclastic Sandstone, altered primary kimberlite fragments, xenoliths.
11.	82	84	Epiclastic Sandstone, altered primary kimberlite, Karoo xenoliths, xenolith of mica (phlogopite) rich hypabyssal kimberlite.
12.	84	86	Epiclastic Sandstone altered primary kimberlite, Karoo xenoliths.
13.	86	88	Clay rich horizon, epiclastics.

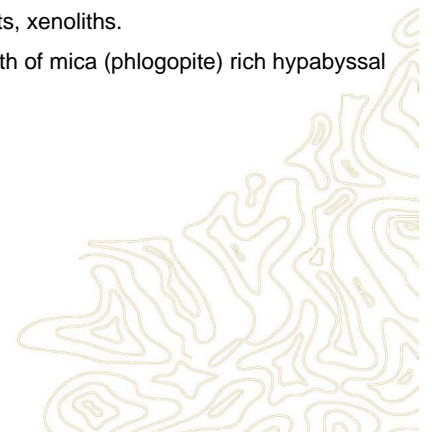
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14.	88	89	Xenolith or wall rock of micaceous Karoo arkose (Mea arkose?).
15.	89	90	Karoo micaceous arkose.
16.	90	91	Predominantly Karoo, cream white micaceous Sandstone.
17.	91	92	Predominantly Karoo, possibility of epiclastic kimberlite (down the hole contamination).
18.	92	93	Epiclastic kimberlite, Karoo white Sandstone.
19.	93	94	Micaceous cream, Karoo arkose.
20.	94	97	Coarser, but still white Karoo Sandstone (less well sorted).
21.	97	98	White micaceous arkose, kimberlite fragments and basalt xenolith (DTH contamination?).

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

