

Borehole Information

Borehole Number:

105/12/X016/H1

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL51/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -20.62817 , 24.48533

Location: Dikwalo

Start Drill: 1900-01-02

End Drill: 1900-01-02

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): 169 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	2	Residual Topsoil.
2.	2	21	Lake sediments: Sandstone: buff coloured, fine to coarse grained, hosting tubular trace fossils (placelites). Intercalated in part with homogenous grey siltstone magnetic susceptibility = 10-20 kx10.
3.	21	44	(ii) green glaucacitic mudstone strongly laminated and intercalated with this Sandy horizons. mag suscept 20kx10 -6.
4.	44	46	(iii) Evaporate deposits (green mudstone with abundant gypsum/dolomite euledra).
5.	46	48	(iv) Rudaceous horizons; cabbles of playa Silcrete (10-20cm) (evaporate deposits mag suscept: 10-20 kx10 -6).
6.	48	95	Sandstone - dark green, fine grained, friable.
7.	95	107	Sandstone - fine grained matrix, bioturbated, hosting lenses of grey siltstone.
8.	107	111	Siltstone - light green, friable, mag suscept = 30 kx10 -6.
9.	111	119	Sandstone - grey - green, fine grained, mature, hosting pedocasts (clavelites).
10.	119	121	Sandstone - dark green fine grained (as at 92m) mag suscept = 10 kx10 -6.
11.	121	129	Sandstone - fine grained, post - calcretisation.
12.	129	134	Mudstone - dark grey karoo bsit strongly caltered igneous horizon - pervasive dolomite alteration and secondary pyrite crystallisation.
13.	134	135	Red grey igneous lithology, microcrystalline groundness hosting randomly ariented plagioclase megacrysts (= 1cm).

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14. 135 169 Magnetic susceptibility increases downwards from 40 to 8810 kx10⁻⁶.

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

