

## 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).

**Physical Address:** Plot 11566, Khama 1 Avenue, Lobatse, Botswana

**Postal Address:** Private Bag 0014, Lobatse, Botswana

**Telephone:** +267 533 0327 / +267 533 0428 **Fax:** +267 533 4295

**Email:** info@bgi.org.bw **Website:** www.bgi.org.bw

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14. 135 169 Magnetic susceptibility increases downwards from 40 to 8810 kx10<sup>-6</sup>.

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

