

Borehole Information

Borehole Number:

105/21/X008/H1

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL78/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.944728 , 21.095529

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	4	Loose Kalahari sand.
2.	0	2	No sample recovery.
3.	2	4	Sandy calcrete+ unconsolidated Sands.
4.	4	6	Semi consolidated Sands+ pale cream Sandy calcrete-evidence of bioturbation.
5.	6	8	Semi consolidated calcretised Sands.
6.	8	22	Very poor sample recovery (no chips) med grained, poorly consolidated Sands.
7.	22	24	Coarse grained, poorly consolidated pale cream Sandstone.
8.	24	34	Poor sample recovery-semi /unconsolidated Sands.
9.	34	36	Poor sample recovery. Small no of chips of orange calcrete + quartz + mudstone.
10.	36	38	Fine grained Silcrete. Pale cream-dark brown. Limonitic staining evident.
11.	38	40	Fine grained iron stained Silcrete + Sandy calcrete-pale cream-orange.
12.	40	42	Dark brown/red iron stained Silcrete+ Sandy pale cream calcrete.
13.	42	48	Dark brown/red iron stained Silcrete+ pale cream/buff calcareous Sandstone.
14.	48	56	Massive pale cream/buff calcareous Sandstone + dark brown/red Silcrete. Some evidence of bioturbation trace fossils (burrows) occasionally pale pink-orange iron stained parches.

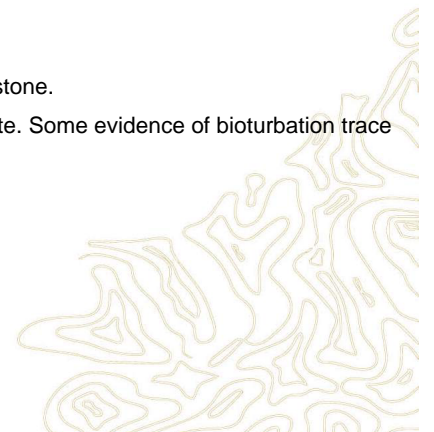
Physical Address: Plot 11566, Khama 1 Avenue, Lobatse, Botswana

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

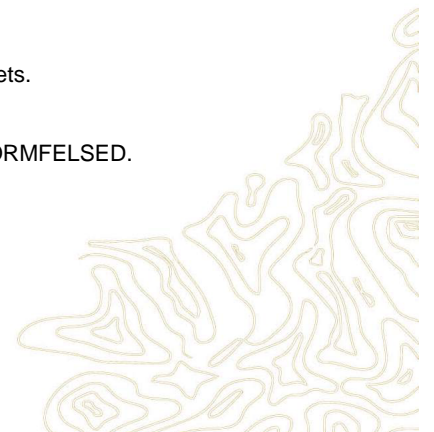
Page Number: 1 | **Date/Time Stamp:** Sun, 22 Dec 24 09:53:17 +0200





Borehole Information

15.	56	58	Light + grey calcareous Sandstone coarse grained + iron stained Silcrete + pale cream med. grained calcareous Sandstone.
16.	58	64	Massive pale cream-light grey (med-coarse grained) calcareous Sandstone + Silcrete. (iron stained red/brown).
17.	64	66	Pale cream-pale pink med/coarse grained calcareous Sandstone (iron staining) + minor Silcrete.
18.	66	86	Essentially the same as above-calcareous Sandstone with minor Silcrete. There are minor variations in colour, pale cream-buff-light grey-pale pink and amounts of Silcrete. Otherwise homogenous.
19.	86	88	Pale cream med. Grained calcareous Sandstone.
20.	88	90	Pale cream-pale pink, fine-med. Grained calcareous Sandstone.
21.	90	96	Pale cream -pale pink, fine-med grained calcareous Sandstone. Minor variations in colour+ grain size.
22.	96	98	Med/coarse grained calcareous Sandstone. (rounded qtz grains
23.	98	100	Fine/med grained pale pink calcareous Sandstone.
24.	100	116	Calcareous Sandstone. Essentially homogeneous minor colour + grain size variations. (occasionally Conglomerateitic with med grained rounded calcareous Sandstone clasts set in fine grained muddy matrix-semi consolidated.)
25.	116	118	Pale pink calcareous Sandstone clasts- occasionally Conglomerateitic, rounded+ med grained calc. Sandstone clasts set in pale pink/brown fine grained matrix semi consolidated.
26.	118	120	Medium grained, pale pink calcareous Sandstone.
27.	120	134	Minor variations in colour (pale pink-cream) and grain size-coarse grained Sandstone.) and occasional semi consolidated Conglomerateerate.
28.	134	136	Pale pink rounded clasts of med grained calcareous Sandstone set in a fine grained pale pink muddy matrix-semi consolidated friable Conglomerateerate.
29.	136	138	Pale-dark pink med. gained calc. Sandstone.
30.	138	146	Homogeneous calc. Sandstone (colour variations pale cream-pink-dark pink).
31.	146	148	Pale cream/pink med grained calcareous Sandstone.
32.	148	150	Pale pink/cream med grained calcareous Sandstone.
33.	150	160	Essentially homogenous cal. Sandstone with minor variations in grain size and colour (cream-pale pink).
34.	160	170	Pale pink/cream med grained calcareous Sandstone. (mottling effect, pink patches on cream-pale pink)
35.	170	172	Pale pink and mottled buff/cream med grained calcareous Sandstone.
36.	172	174	Pale pink + cream med grained calcareous Sandstone + light grey/green very fine grained Sandstone (coarse mudstone!)
37.	174	175	Grey green fine grained Sandstone.
38.	174	176	Buff med. grained Sandstone+ green/grey very fine grained Sandstone.
39.	176	178	Grey/green/purple med. grained massive Sandstone.
40.	178	184	Med-coarse grained light grey/purple Sandstone+ clasts of milky white/grey quartz.
41.	184	186	Coarse/med grained Sandstone. Light grey/purple.
42.	186	188	Med/coarse grained light grey/purple Sandstone + pale green/purple fine grained laminated mudstone.
43.	188	190	Pale green/purple fine grained laminated mudstone.
44.	190	192	Pale/dark green+ purple fine grained laminated mudstone.
45.	192	194	Pale green/purple fine grained laminated mudstone+ minor calcite veinlets.
46.	194	196	Pale green/purple fine grained laminated mudstone.
47.	196	197	Pale purple/green fine grained mudstone-dark green grey mudstone/HORMFELSESED.





Borehole Information

48.	197	198	Dark purple/green med. grained wthrd dolerite/ green alteration patches + calcite veinlets.)
49.	198	199	Dark green/black med. grained dolerite dolerite-fresher.
50.	199	200	Black med./coarse grained dolerite-relatively fresh/unaltered.
51.	200	208	Essentially homogeneous dolerite with minor variations in grain size (med-coarse grained) (occasionally very fine grained).
52.	208	212	Black med./coarse grained dolerite.

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

