

## 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. |

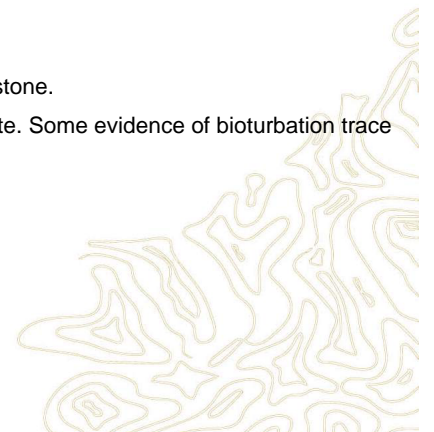
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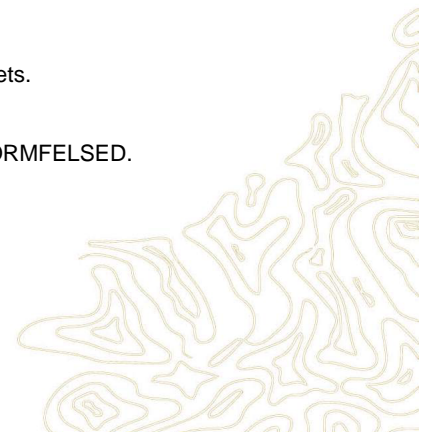
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**Page Number:** 1 | **Date/Time Stamp:** Wed, 22 Jan 25 19:02:54 +0200



## Borehole Information

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|-----|-----|-----|--|
| 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

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| 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.   |

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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.**

