

Borehole Information

Borehole Number:

105/17/X569/H01

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL57/98

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -20.999932 , 25.082797

Location: Orapa

Start Drill: 2004-08-06

End Drill: 2004-08-10

Borehole Type: Exploration

Drilling Method: Percussion & Core

Sample Type: Core & Chips

Depth of Surface Casing: N/A

Azimuth: Degrees

Hole Inclination: -90 Degrees

Collar Elevation: 901 Metres

Borehole Water Strike: N/A

End of Hole (Depth): 183 Metres

Log Formation:

| No. | From (m) | To (m) | Log Formation |
|-----|----------|--------|--|
| 1. | 0 | 3 | Pale-orange fine Sand ,Topsoil and black Silcrete (dark-grey). |
| 2. | 3 | 16 | Dark-grey massive Silcrete, Grey-greenish (medium - olive) fine matrix supporting coarse & medium rounded quartz grains. Green medium grained Sandstone (9 - 16m). |
| 3. | 16 | 19 | Grey medium grained Sandstone and rounded large (1cm in size) quartz clasts (gravels). |
| 4. | 19 | 26 | Very fine grained grey (silicified) Sandstone coarsens downward to 28m (with some green lithics at the base. |
| 5. | 26 | 30 | Dark-brown very fine grained laminated Sandstone, underlain by a red-brown mudstone. |
| 6. | 30 | 35 | Grey-green mudstone (60%-70%) & red-brown mudstone (30 - 40%). |
| 7. | 35 | 50 | Red-brown mudstone (some purplish). |
| 8. | 50 | 65 | Pale-grey (greenish) mudstone/siltstone.. |
| 9. | 65 | 90 | Essentially greyy mudstone but with dark-brown-greyish, to pale-orange horisons. |
| 10. | 90 | 105 | Grey pale-orange (greenish-brown) siltstone. |
| 11. | 105 | 125 | Siltstone: Slight colour change at 105m from pale orange (brownish) to grey.. |
| 12. | 125 | 156 | Grey siltstone. |
| 13. | 156 | 164 | Shining crystals of Pyrite (?) in a dark-grey siltstone. Grey siltstone with black mudstone/siltstone Coal lenses. |
| 14. | 164 | 168 | Dark-grey Coally siltstone. |

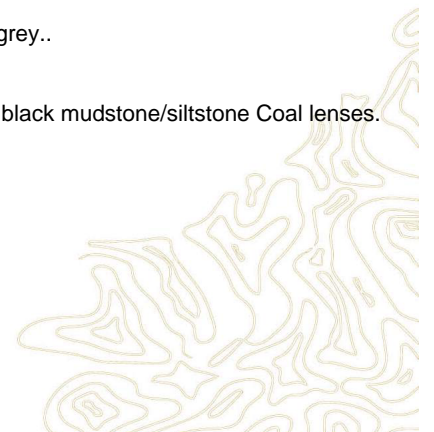
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Borehole Information

15. 168 183 Black Coally mudstone with Coal lenses to the end of hole at 183m. .

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

