

Borehole Information

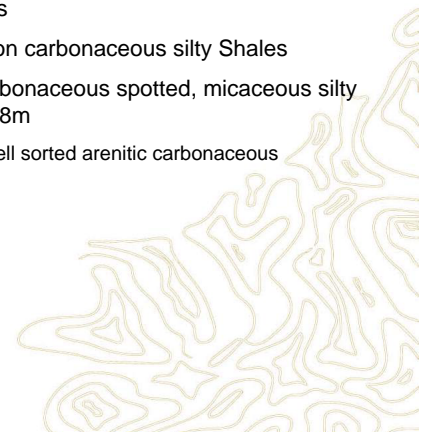
Borehole Number:
105/24/X005

Prospecting Company: De Beers Holdings Botswana
Prospecting License No.: PL109/88
Coordinates Type: WGS 84
Coordinates Format: Decimal Degrees
Coordinates: -22.758756 , 26.24168
Location: Moralane

Start Drill: 1900-01-02
End Drill: N/A
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: 1251 Metres
Borehole Water Strike: N/A
End of Hole (Depth): 286 Metres

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	4	Unconsolidated coarse grained aeolian granitic Sands dominated by quartz, feldspar, Silcrete and ferricrete clasts. Few +2mm chips recovered.
2.	4	10	U Kalahari - dark grey - black massive and mottled mature calcreted Silcrete
3.	10	22	L Kalahari - buff white, massive sub to mature and well sorted argillaceous and ubiquitously Silcreted calcareous Sand/siltstone
4.	22	69	Ntane Fm - purple grey mature, well sorted and argillaceous calcareous Shale/siltstone becoming highly Silcreted below 29m depth and coarsening towards the base into a grey-white arkosic Sandstone
5.	69	70	Mosolotshane Fm - pale purple white spotted mature carbonaceous mudstone
6.	70	71	Mosolotshane Fm - coarse grained quartzitic/feldspathic gritstone with pale greyish-green Shale clasts
7.	71	77	Mosolotshane Fm - buff to pale grey uniform calcareous clay/siltstone
8.	77	79	Mosolotshane Fm - pale purple to buff grey mature and carbonaceous spotted mudstone/siltstone
9.	79	120	Mosolotshane Fm - grey to purple uniform Shale with mottled mud clasts
10.	120	137	Thlabala Fm - light grey massive and uniform, competent and mature non carbonaceous silty Shales
11.	137	172	Tlapana Fm - dark greenish grey black uniform and massive nature, carbonaceous spotted, micaceous silty Shales with Shaley Coal seams at 146-147m, 151 - 155m, and 157 - 158m
12.	172	179	Tlapana Fm - light grey - black, medium to coarse grained massive and mature, well sorted arenitic carbonaceous greywacke/quart wacke





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13.	179	200	Tlapana Fm - dull dark grey - black mature and vitreous shaly Coal with vitreous Coal seams between 196 - 200m
14.	200	205	Tlapana Fm - light grey massive and mature well sorted argillaceous and slightly organic Shale/siltstone
15.	205	233	Tlapana Fm - dull dark grey - black mature and vitreous Shaley Coal with vitreous Coal seams at 206-208m, 209-211m, 216-218m, 221-222m, 223-226m, and 229-230m
16.	233	235	Tlapana Fm - dark grey massive and mature well sorted argillaceous and carbonaceous Shaley siltstone which grades into coarser more arenitic carbonaceous quartz wacke at base
17.	235	246	Tlapana Fm - dull dark grey black massive and mature competent carbonaceous Shale
18.	246	250	Tlapana Fm - light to dull grey medium to coarse grained arenitic and well sorted, mature and carbonaceous quartz wacke
19.	250	257	Tlapana Fm - dull dark grey black massive and mature, competent carbonaceous Shale with Shaley Coal seams at the basal 255-256m
20.	257	261	No chips available - sample missing
21.	261	271	Basement - greenish grey, fine to medium grained crystalline and massive feldspathic granophyre, variously weathered and altered
22.	271	280	No chips available - sample missing
23.	280	286	Basement - dull greenish grey black altered, fine to medium grained feldspathic granophyre

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

