

Borehole Information

Borehole Number: 105/17/X552/H01

Prospecting Company: De Beers Prospecting Botswana (Pty) Ltd Prospecting License No.: PL57/98 Coordinates Type: WGS 84 Coordinates Format: Decimal Degrees Coordinates: -21.489711 , 24.501044 Location: Kedia

Start Drill: N/A 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: 940 Metres Borehole Water Strike: N/A End of Hole (Depth): 255 Metres

	Log Formation:				
No	From (m)	To (m			
1.	0	10	Surface feature: Gentle depression Vegetation: Grass/shrubs. Black fine Sand & Topsoil (humid Sand) and buff powderlly calcretised fine Sand.		
2.	10	13	Grey white-coated Silcrete.		
3.	13	19	Cream-white calcrete & Silcrete.		
4.	19	28	Dark-grey & mottled Silcrete and mottled medium grained calcretised Sandstone.		
5.	28	37	Medium calcretised Sandstone and Sandy calcrete.		
6.	37	43	Orange-pinkish fine to medium grained Sandstone.		
7.	43	51	Pink-red-brown medium grained Sandstone with some gravel.		
8.	51	58	Bioturbated coarse Sandstone, reddish, Chert and gravel.		
9.	58	62	Very (fine grained) dark-red siltstone.		
10.	62	74	Red-brown medium grained Sandstone layrs in siltstone. Chert and gravel in Sandstone.		
11.	74	82	Sandstone: fine grained, pale grey (shinny but not micaceous) becoming grey downwards.		
12.	82	90	Major change to dark-red laminated mudstone/siltstone, grey fine Sandstone & red-dark (pink) siltstone intercalation. Water at 85m. Grey medium to coarse grained Sandstone.		
13.	90	97	Grey fine grained Sandstone with minor gravels at the top. Typical alluvial gravel at the base.		
14.	97	120	Mixture siltstone Sandstone. Red-brown siltstone slightly magnetic. Slight colour variations in places to red-brown (pinkish).		

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15.	120	150	Siltstone: Red-brown & some yellowish - greyish. Colour becomes dull downward toward brown.
16.	150	159	Brown-greyish, colour shifting toward greyish up to 159m.
17.	159	176	Essentially grey siltstone to 183m.
18.	176	194	Pale-grey siltstone.
19.	194	197	Beautifully laminated dark-brown slate-like siltstone. Note: red-laminated Shales.
20.	197	205	Grey siltstone with dark-brown & red/pink laminas,
21.	205	219	Dark-brown, very fine texture, some unidentified crystals up to 1mm. can be seen in this fine, brown matrix, note elevated magnetic suceptibility. A large but very weathered yellowish crystal (3mm in size) Texture indicates Igneous but not identifiable
22.	219	241	Grey & brown (pinkish) siltstone or grey-light-green. Essentially grey siltstone but with pinkish lenses.
23.	241	255	Grey, greenish (pale-green) and dark-green siltstone.

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



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