

SPECIFICATIONS FOR DRILLING UNCASSED BOREHOLES FOR P-S SUSPENSION LOGGING

1. The OYO P-S Suspension Logging Method can be used in either cased or uncased boreholes. Uncased boreholes are preferred because the effects of the casing and grouting are removed. For best results, the borehole must be between 10 and 20 cm in diameter, or 4 to 8 inches.
2. It is recommended that the borehole be drilled using the rotary mud method. Drilling must be done with minimal sidewall disturbance. If you think you would like to use some auger-type drilling method, consider how much damage this does to the borehole wall. The rotary mud (also called rotary wash) method does little damage to the borehole wall, and the drilling fluid (usually a bentonite mix) coats and seals the borehole wall reducing fluid loss and wall collapse. The borehole fluid is required for the logging, and must be well circulated prior to logging.
3. NOTE: A "rathole" of 15 ft is required to obtain data to the full depth desired. This is due to the construction of the OYO P-S suspension tool (see enclosed).
4. GEOVision reserves the right to NOT log a borehole if conditions indicate that there is a strong possibility that we will lose the P-S Suspension logging tool. This is rare, but it can happen. An example is, if there has been significant and continuing collapse in the borehole and attendant loss of circulation. Then the drill string gets stuck, etc. etc. This is why the method of drilling is so important. We strongly recommend rotary mud.