



PDHonline Course C285 (3 PDH)

Procedures for Soil Sampling in Borings

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Terms

Auger Flights	Sections of augers which are added to top of coring auger to reduce jamming in the borehole during retraction from deep drives
Ball Check Valve	Located in the sampler head. They help to retain the sample in the sampling tube during recovery.
Casing	Pipe used to line and stabilize the borehole.
Cyclone	Collects soil during drilling (see Fig 3-5)
Dip	Angle of fractures, slip planes made with the horizon, measured on rock cores with protractors.
Drill Cuttings	Waste generated during oil well drilling which consist of soil and rock pieces.
Drill Strings	Sections of drill pipe connected together with collars.
Fluid Slush Pit	Used for drilling frozen soils and is placed over the borehole.
Kelly	Thick-walled pipe which runs through the drive head with telescoping sections.
Mud Pits	Store drilling fluid until needed and allow sand and silt to settle before being reused for drilling.
Packers	Packers are expandable cylindrical rubber sleeves used to seal sample tubes (see Fig 6-3).
Rotary Wash	Boring method used below groundwater levels, the borehole sides are supported with casing or drilling mud.
Shale Shakers	Shaker/sieve used to separate coarse material from drilling mud.
Slake	Some rocks that crumble when freshly exposed to air, water slaking also occurs.