



**PDHonline Course C289 (3 PDH)**

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# **Sampling from Test Pits, Trenches and Stockpiles**

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# Sampling from Test Pits, Trenches and Stockpiles

## 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, help to retain the sample in the sampling tube during recovery.
Calyx Coring	Corer with a flat-face steel cylinder with diagonal slots cut into it in which steel shot is fed at intervals into a drill-rod water injection system
Casing	Pipe used to line and stabilize the borehole.
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.
GEI Sampler	Tripod holder apparatus which incorporates trimming technique on soil samples
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.
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.
Strike & Dip	Used to define joints, bedding planes, and faults; strike is measured by compass direction and dip by the angle below the horizontal of tilted stratum