

800503

Location CLK-02A Date 7-30-87 Local well number 25/2E-H CAB1
 County Clackamas Map Gladstone Scale 1:24,000 Lat. Long.
 District PNW Project number 14500-14300 Altitude
 Driller Collins Helper Smier, Anderson Geologist Morgan

Lithologic Symbols
 [] [] [] clay c cobbles cob sandy sdy
 [] [] [] silt st boulders b fine f
 [] [] [] sand s clayey cly medium m
 [] [] [] gravel g silty sty coarse co

Abbreviations
 [] [] [] [] [] []
 Twsp. [] [] [] [] [] []
 Rge. [] [] [] [] [] []
 Sec. [] [] [] [] [] []

* X - cuttings sample, O - core

Depth	Scale	Sample	Graphic log	Drill action	Lithologic description	Summary log
5				SMO ↓	Soil - moist, clayey - holds together in a ball 0-10 ft	rod length of core below 20.0 + 2.6 - 3.1 = 19.5 stick-up LSD
10		X		R&H ↓	10 ft; scraping, chatter - sounds like gravel - no return	Depth to bottom of core
15		X		SMO ↓	10-15 ft - sounds like gravel - some 5-6 cm clasts mixed in clay-soil; but no dry gravel return. Also some friable clasts mixed in clay.	
20		X		SMO ↓	17.5 ft - drilling little smoother and faster.	
25		X		SMO ↓	Some coarse gravel clasts returned while drilling - 20-25 ft - sand in sample bag - 5-8 cm mostly fine-grained, dark andesite (?) + occasional quartzite (?) clasts; all are well rounded and spherical - ~ 7.	probably from 10-17 ft interval of hole.
30		X		SMO ↓	Core (1.5" x 18") at 19.5 to 20.6 was driven 14" with > 200 blows - drove rapidly for first ~ 8", very slowly last 6" - poor recovery (~ 6")	Stopped at 24.8 after coming - will backfill to ~ 20' and try to place screen adjacent to saturated gravel between 14-18 ft.
				SMO ↓	gray clay w/ minor silt - sticky - binds tightly to auger flights - bit sample also taken when auger pulled from 19 ft	
				SMO ↓	Bit sample from 24' - gray - green pebbly clay - pebbles are 5-20 mm, rounded to sub-rounded	based on core from below - pebbly clay was slightly sluff from hole.
				SMO ↓	Core 25 + 2.6 - 2.85 = 27.8 to 26.1 ft bit LSD Driven 1.3 in w/ 200 blows of 200 lb hammer	