

Descriptions by P. S. Day

- 50-65 Fragmented gravel; assorted, weathered, dom volc pebbles, estimate size range 1/16 to 1" diam, fair rounding. Wxed lt orange, medium xaline basalt pebbles most common. Possibly some iron oxide cementation.
- 65-80 Fragmented gravel; assorted, multi-colored pebbles and pebble frags. Wxed orange, red, and less wxed green and blu-black basalt common. Lighter medium to coarse xaline igneous fragments, also some volc clastic frags. No fins in sample, possibly were washed out.
- 80-95 10% siltstone; light gray, clayey, soft to friable, some fine sandy. 90% frags of gravel, cavings.
- 95-110 10% siltstone; dit
90% frags of gravel, cavings.
- 110-125 40% siltstone; dit
60% frags of gravel, cavings.
- 125-140 20% sand; speckled green, black, gray, etc, easily friable, angular to sub-angular, very fine to very coarse, volc grain lith, lt gray-white clay matrix.
20% siltstone; lt gray, clayey, soft to friable some fine sandy, some lt green-gray clayey.
60% frags of gravel, cavings.
- 140-155 10% claystone; lt gray-white, friable, silty, tuffaceous.
20% siltstone;dit
40% sand; volcanic grain lith, poorly sorted, friable,clayey, fine gr
10% pebbly sand; fairly fresh, gray-black, assorted basalt pebbles to 1/2" diam, rounded, in fine clayey sand matrix.
20% gravel cavings.
- 155-170 10% claystone and siltstone;dit
20% sand; fine gr dit
70% pebbly sand and pebbles; dit, round frags(of pebs) of gray-white nearly unaltered pumice most common, assorted fresh basalt peb frags common, etc.
Tr white tuffaceous claystone, w/ 'floating' green-black grains.
- 170-185 80% siltstone; lt green gray to med gray, clayey, easily friable, probably thin bedded to laminated, some sandy, volc grain lith.
~~pebbly sand~~
20% pebbly sand; dit
- 185-200 80% frags of gravel: cavings.
20% siltstone, sandstone and peb sand as above.
- 200-215 75% siltstone and sand: dit, volc lith, friable, clayey, fine sandy
25% pebbly sand; dit, basaltic grains, rounded, clayey sand matrix
- 215-230 20% siltstone; dit
20% sand; dom med gray, loose sub rounded grains, coarse to very crs grain size, highly varied lith, dom basaltic and pyroclastic grains.
60% pebbly sand grains; dit.

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Sec.27-13S-4W
T J Porter #1
Oregon

- 230-245 10% siltstone; dit
80% sand; coarse, dit.
10% pebbly sand and peb frags, dit.
- 245-260 10% siltstone; dit
90% coarse sand
- 260-275 10% siltstone; dit
90% sand; coarse grain, sub-round to round, friable to loose, with assorted basalt and volcanic grain lith.
- 275-290 10% siltstone; dit
20% sand; med green-gray, fine gr, clayey, volcanic grains
70% sand; coarse, loose grains, sub-rounded volc grains.
- 290-305 30% sandstone; green-gray, fine gr, clayey, forms matrix for loose coarse grains
70% sandstone; coarse, loose, rounded volc grains
- 305-320 20% sandstone; fine gr, dit
80% coarse loose grains, dit. Tr brown lignitic wood.
- 320-335 10% sandstone; fine gr, dit
90% loose round volc grains, dit
Tr brown lignitic wood
- 335-350 as last above.
- 350-365 as last above.
- 365-380 60% sandstone; lt gray to green-gray, speckled, mostly loose grains, sub-angular to sub-round, friable, poorly sorted, clayey, multi-color grains of assorted basalts, volc clastics, clear euhedral qtz, many others.
40% loose, coarse sand grains; rounded, pitted in part, assorted liths.
- 380-395 30% sandstone; fine grained, dit
70% loose coarse sand grains, dit
- 395-410 90% sandstone; fine grained, dit
10% loose coarse grains, dit
- 410-425 50% sandstone; fine, dit
50% loose crs sd grs, dit.
- 425-440 70% sandstone; fine, dit
30% loose crs sd grs, dit
Tr brown lignitic wood.
- 440-455 Dit last above.
- 455-470 10% siltstone; med-lt gray, some green-gray, friable, sdy, clayey
60% sandstone; fine, dit
30% loose crs sd grains, dit.

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Sec 27-13S-4W
T J Porter #1
Oregon

- 470-485 Dit last above.
- 485-500 50% sandstone; fine grained, dit
50% loose crs sd grains, dit.
- 500-515 80% sandstone; fine grained, dit, few friable frags show gray-white and tan clay matrix
20% loose coarse sand grains, dit.
- 515-530 90% sandstone; lt gray to green-gray, speckled, mostly loose grains, sub-angular to sub-rounded, friable, poorly sorted, clayey, assorted mostly volcanic grains, black basalts common, some multi-colored volcanic clastic grains.
10% sand grains; coarse and very coarse, well rounded but rare spherical, some pitted, probably in clayey sandstone matrix as noted above.
- 530-545 Dit last sample above.
- 545-565 10% siltstone; med-lt gray, some med grn-gray, friable-firm,clayey
20% sandstone; fine grained, dit
70% loose coarse sand grains, dit.

Ran 526' of 13 3/8" casing cemented with 475 sx to surface.

Installed Bariod mud logging unit.