

Tidewater Associated Oil Company
Delaware City

Driller: Layne-New York Elevation: 62 feet

Test Hole #3

<u>Depth</u>	<u>Description</u>
2 - 18	(Two different samples in one jar) 1. light brown; some white and pink silty clay with a lot of small pebbles and grit, few black minerals. 2. brown, silty, medium to coarse sand, with some grit, grains are subangular to subrounded. Sand is dirty - silt, surrounds quartz grains. Few black minerals.
18 - 32	light brown, well sorted medium to coarse, mostly coarse sand, some black minerals; no glauconite, a little clay. Grains are subangular to subrounded.
32 - 46	brown, dark gray and iron-brown clayey fine sand, with mica, and very little glauconite. The dark gray color is probably caused by organic material, some of it present.
46 - 96	dark gray, some iron stained very fine sand with some clay; dirty sand; a little grit. Dark coloring caused by organic material?
96 - 112	dark gray to black clayey fine sand; considerable mica; some small pebbles.
112 - 140	light gray, mostly fine, some medium and coarse poorly sorted sand, some grit and quite a number of small pebbles; some silt.
140 - 162	light gray, well sorted, fine sand with quite a number of black minerals. Grains are subangular. Some green <u>glauconite</u> .
162 - 183	beige-gray fine sand, with silt; not a clean sand. Few black minerals, no glauconite.
183 - 200	light gray, mostly coarse sand with some glauconite.
200 - 224	white, gray fine very well sorted, very clean sand with some clusters of quartz grains, some glauconite.
224 - 244	light gray brown silty fine sand, with black minerals; some mica; a little glauconite.

112
32
80

Ec 12-2	
244-258	white gray well sorted, very clean fine sand, with glauconite, clusters of brown quartz grains;
258-270	light, beige-gray silty fine "dirty sand".
270-301	light-gray and white silty clay.
301-324	white, well sorted, clean, coarse sand, with some clusters of brown fine sand. No glauconite.
324-358	white, well sorted, clean, coarse sand, with a little silt and some clusters of brown fine sand. No glauconite.
358-383	<ol style="list-style-type: none"> 1. white coarse, clean, well sorted sand. 2. light brown <u>silty fine sand</u>. 3. black fossilized plant material.
383-441	reddish-brown clayey fine sand.
441-472	<ol style="list-style-type: none"> 1. white coarse, clean sand. 2. brown, fine sand in clusters 3. black fossilized plant material. 4. some glauconite.
472-495	red, gray and brown, variegated clay.
495-513	light brown well sorted fine sand, quite a number of black minerals; some light green glauconite.
513-535	chocolate-brown fine to medium sand with clay.
535-568	<ol style="list-style-type: none"> 1. white well sorted fine clean sand. 2. brown hard well rounded balls of fine sand. 3. plant material.
568-580	pinkish-gray silty fine sand.
580-601	<ol style="list-style-type: none"> 1. white well sorted fine clean sand. 2. brown hard well rounded balls of fine sand. 3. plant material.
601-605	variegated clay.