

Tidewater Associated Oil Company
Delaware City

Driller: Layne-New York

Elevation: 13.1

Test Hole #6

<u>Depth</u>	<u>Description</u>
0 - 40	yellow-brown medium and coarse sand with some fine sand and grit; a little clay.
40	(from bit) black and orange sandy clay, fine mica flakes.
40 - 50	black clay with little sand, many small mica flakes.
50 - 60	same
60 - 70	same, not so many mica flakes.
70 - 80	same, glauconite visible.
80 - 90	black sandy clay.
90 - 100	same
100-110	gray and black, some rust-brown sandy clay with some lignite.
110-120	gray and rust-brown sandy clay.
120-130	red and some black clay, with a few iron cemented pieces.
130-140	gray and red-brown soft clay with some sand.
140-150	same
150-160	red-brown and some gray sandy clay.
160-170	red brown and some gray clay with some sand; some iron cemented pieces.
170-180	gray and some red-brown clay with some sand.
182-189	brown fine to medium sand with some clay, some glauconite; many black minerals.
189-199	red-brown clay with some sand.
199-210	red-brown, some gray and white sandy clay.
210-250	red-brown and gray sandy clay; some cemented pieces.
250-267	white to light brown clean fine to medium, some coarse sand; a little glauconite; some cemented grain clusters.

DepthDescription

<u>Depth</u>	<u>Description</u>
267-300	red-brown and gray very clayey sand; some grit and small pebbles.
300-343	white clean fine sand.
343-363	red-brown, soft clay with a little sand.
363-390	red-brown with a little sand and some cemented pieces.
390-413	red-brown clay with some sand.
413-435	red-brown clayey fine to medium sand.
437-447	red-brown clay with some sand.
447-457	red-brown clayey fine to medium, some coarse sand.
457-467	red-brown clayey medium sand.
467-477	same, some cemented pieces.
477-487	red-brown clayey medium to coarse sand, primarily coarse.
487-497	same; some more clay; some small pebbles.
497-507	brown clayey medium to coarse sand.
507-517	red-brown very clayey medium to coarse sand.
517-522	same.
522-532	white medium sand with some clay; some cemented clusters.
532-542	white to light brown medium to coarse sand with some grit and some clay.
542-552	same; some cemented clusters.
552-559	same.
559-569	gray brown clayey medium to coarse sand.
569-579	red-brown clay with a little sand.

Test Hole #6(continued)

<u>Depth</u>	<u>Description</u>
579 - 584	reddish very clayey fine and medium sand.
589 - 599	red and some gray clay with some sand.
599 - 609	gray and reddish clayey medium and coarse sand.
609 - 619	reddish and some gray clayey medium and some coarse sand.
619 - 629	gray fine to coarse sand, some silt.
629 - 639	gray, mostly medium to coarse subrounded to rounded sand, very little silt, some black minerals.
639 - 642	no sample
642 - 652	grayish-brown fine to coarse, mostly medium, subangular to rounded clean sand.
652 - 662	grayish-brwown fine to coarse, subangular to rounded sand, some silt and some clay.
662 - 672	no sample
672 - 682	fine to medium clayey sand.
682 - 692	fine to medium, very clayey sand.
692 - 702	Do
702 - 712	grayish-brown fine to coarse subangular to subrounded sand, little silt, some black minerals, some lignite.
712 - 722	Do.
722 - 732	fine to medium, subangular sand, some black minerals, some mica, little silt.
732 - 742	Do.
742 - 752	fine, very clayey sand to sandy clay
752 - 762	Do, with greenish color.
762 - 772	greenish sands, clay with abundant black minerals, probably weathered basement rock.
772 - 782	Do
782 - 792	Do
792 - 828	Do
828	hard rock.