

Description of Work.

Speedway Test Hole #3 was drilled in the N.E. Corner of Section 5. T 14 N, R 20 E, MDB&M. The hole is located at the northwest corner of the Speedway property. The hole was drilled to a depth of 317 feet using a 9 7/8" bit. Unconsolidated material was penetrated to about 280 feet. Harder consolidated material was drilled to the total depth of 317 feet. The electro-log suggested favorable strata to 280'.

It was decided to construct a 6" test well which will be installed as follows. 0-140' blank casing; 140-280 mill slot casing; 280-300 blank casing. The hole will be gravel packed and a concrete surface seal to 50 feet installed.

Geological Observations from Drilling

Unconsolidated material was penetrated to a depth of 280 feet. This is composed of interbedded tan to grey sandy clay, very coarse to fine sand, fine gravel and silt. The sand clasts are predominantly round to sub-round quartz derivatives of the granitic rocks in the vicinity. Color ranges from grey to white both opaque and translucent. Mafic mineral are biotite in tabular crystals and crystal fragments and fine hornblende laths included in the quartz clasts. Throughout the unconsolidated section varying, though quite small amounts, dark fine grained clasts were observed probably from metavolcanic formations to the west. This section displays a very credible series of coarse sands and fine gravel strata and is some what exceptional in the low clay content observed.

At 280 feet consolidated granitic rock was encountered. Drilling time penetration greatly increased. This drilling yielded clasts in coarse sand to medium sand in size primarily angular to subangular. Color ranges from grey to white with some opaque and translucent fragments noted. A small amount of iron stain was observed on some clasts as well as a very minor representation of whitish Kaolin. Mafic minerals in this section are biotite and hornblende.

Lithology Speedway Test Hole #3

Depth	Description
0-10	Brownish silt, medium sand, some gravel to 1.5 cm, considerable biotite.
10-20	Brown sandy clay. Very coarse to coarse sand, silt.
20-30	Dull brownish sandy clay some grey clay 45%, very coarse to coarse sand, silt, fine gravel.
30-40	Dull brownish sandy clay, grey hard clay 30%, very coarse to medium sand, silt, fine gravel to 1.5 cm.



- 40-50 Dull brownish sandy clay 30%, silt, very coarse to coarse sand.
- 50-60 Yellowish brown sandy clay 25%, silt, very coarse to coarse sand, fine gravel.
- 60-70 Yellowish brown sandy clay 10%, silt, coarse to medium sand.
- 70-80 Dull brown sandy clay 10%, silt, coarse to medium sand.
- 80-90 Dull brown sandy clay 25%, silt coarse to medium sand.
- 90-100 Dull brown sandy 5%, silt, very coarse to medium sand.
- 100-110 Grey sandy clay (soft) 40%, silt, very coarse to medium sand.
- 110-120 Grey sandy clay (soft) 60%, silt. Coarse to medium sand.
- 120-130 Tan sandy clay (soft) 60%, silt. Coarse to fine sand.
- 130-140 Tan sandy clay 10%, silt, very coarse to coarse sand, fine gravel.
- 140-150 Grey sandy clay 10%, silt, very coarse to coarse sand, some fine gravel.
- 150-160 Grey sandy clay 20%. silt, very coarse to coarse sand, some fine gravel.
- 160-170 Brown and grey sandy clay 20%, silt, very coarse to coarse sand, some fine gravel.
- 170-180 Grey sandy clay 50%, silt, very coarse to coarse sand, some fine gravel.
- 180-190 Tan sandy clay 50%, silt, very coarse to coarse sand, some fine gravel.
- 190-200 Dull brown sandy clay 20%, silt, very coarse sand, some fine gravel.
- 200-210 Minimal clay, silt, very coarse to coarse sand, some fine gravel.
- 210-220 Tan sandy clay 5%, silt, very coarse to coarse sand, some fine gravel.
- 220-230 Grey sand clay 50%, silt, very coarse to coarse sand.
- 230-240 Tan sandy clay 20%, silt, very coarse to medium sand. small amount fine gravel.
- 240-250 Tan sandy clay 10%, silt, very coarse to medium sand.
- 250-260 Grey sandy clay 10%, silt, coarse to medium sand.
- 260-270 Minimal clay, silt, coarse to medium sand.
- 270-280 Light grey granitic clasts, coarse sand size, trace of whitish Kaolin.
- 280-290 Light grey granitic clasts, 3 to 5% iron oxide stained. very coarse to coarse sand size. No Kaolin.

290-300

Light grey granitic clasts, some iron oxide stained, very coarse to coarse sand size, no Kaolin.

LOG 47199

300-310

Light grey granitic clasts, some iron oxide stained, very coarse to coarse sand size, no Kaolin.

Drilling Time Log Speedway Test Hole #3

Interval	Minutes	Ft./Minute	Ft./Hour
5-25	15	1.33	79.98
25-45	17	1.18	70.80
45-65	15	1.33	79.98
65-85	12	1.67	100.20
85-105	7	2.86	171.43
105-125	14	1.43	85.71
125-145	9	2.22	133.33
145-165	14	1.43	171.43
165-185	14	1.43	171.43
185-205	12	1.67	100.20
205-225	12	1.67	100.20
225-245	17	1.18	70.80
245-265	11	1.82	109.09
265-285	75	0.27	16.00
285-305	84	0.24	14.28
305-310	29	0.17	10.34

Total Minutes 344

Total Hours 5.73

Average Ft./Minute 0.90

Average Ft./Hour 54.10