LEGGETTE, BRASHEARS & GRAHAM, INC.
PROFESSIONAL GROUND-WATER CONSULTANTS

DRAFT

REMEDIAL INVESTIGATION REPORT

VOLUME III

ROWE INDUSTRIES GROUND-WATER CONTAMINATION SITE

SAG HARBOR, NEW YORK

MAY 1990
(REVISED FEBRUARY 1992)

WILTON
CONNECTICUT

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EXTON
PENNSYLVANIA

SIOUX FALLS
SOUTH DAKOTA

NASHUA
NEW HAMPSHIRE

APPENDIX I

APPENDIX I

Former Rowe Employee Deposition

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In re Groundwater Contamination
at Former Rowe Industries Site.

- - - - - - - - - - - - - - - - - - -x

STATE OF NEW YORK)
) SS.:
COUNTY OF SUFFOLK)

ANTHONY FABIANO, being duly sworn, deposes and states:

1. I presently reside at P.O. Box 272 Sag Harbor Turnpike, Sag Harbor, New York. My home is approximately 100 yards from the property formerly owned by Rowe Industries on Sag Harbor Turnpike, Sag Harbor, New York. I have lived at this location for the past 30 years. I submit this affidavit based on my ten-year employment at Rowe Industries and my personal knowledge of the property currently occupied by Sag Harbor Industries and the waste disposal practices at the site.

2. I was employed as a supervisor in the Research and Development Section of Rowe Industries, Inc. during the period of 1966-1976. Although Rowe Industries was purchased by Aurora Industries which was later purchased by Nabisco Brands, the business was always run under the name Rowe Industries. During that period of time, Rowe Industries maintained a manufacturing facility at the location.

3. During my employ, Rowe Industries was engaged in the manufacture and distribution of D/C motors and other types of miniature motors and transformers. The company regularly

employed about 300 people. The company made use of large press and laminating machines in the manufacturing process.

4. About 25 years ago, Rowe Industries built a two-story building on the property on Sag Harbor Turnpike for the purpose of manufacturing small motors and transformers.

5. In about 1964, the building built by Rowe Industries was consumed by a catastrophic fire. The building was a total loss. The shell of the building was demolished by Joseph Labrozzi Company.

6. During the raizing of the property, approximately 40-50 drums of chemicals were bulldozed and buried beneath what is now the east parking lot. Some of these drums had exploded because of the heat of the fire and others were buried intact. After the fire, the building was reconstructed and operations resumed at the same location.

7. During my employ at Rowe Industries, millions of motors and transformers were manufactured, degreased and washed in the tanks. We used approximately twelve presses each of which produced approximately 600 laminations per minute. Each lamination had to be degreased and washed. The method of degreasing and cleansing the parts did not change while I worked there.

8. As a regular part of the manufacturing process, Rowe Industries maintained two large vats for the washing of the

motor parts. One large vat contained various solvents used to remove the grease on the machine parts. The other large vat contained detergents which were also used to cleanse the laminations of the armature of the motor parts during the manufacturing process.

9. I do not recall the exact trade names of the chemicals used, but I do remember that the company used a variety of solvents, degreasers, and heavy detergents. We used acetones, trichlorethane and biathane, among others.

10. The degreasing of the machine parts was a two-step process. First, the parts would be submerged and shaken in the vat containing the solvents. The parts would then be transferred to the detergent vat for additional cleaning. A single pipe led from the detergent vat and a single pipe led from the solvent vat. These two pipes were joined to a larger pipe that led to the open field and cesspool behind the building.

11. After the solvent and detergent in the tanks had become dirty and useless through successive washes, a valve was opened on the bottom of each holding tank. This valve permitted the release of the solvents and detergents through the connecting pipes into the open field. The sludge residues in these vats were scraped out and disposed of as regular garbage.

12. To the best of my knowledge, Rowe Industries never had the solvents and detergents removed or discarded from the

property or placed into any containers. Rather, the method used by the company for the disposal of these wastes was the draining of the large vats in the open field in the back of the building about 75-100 feet away.

13. Sometime in the 1970's, the Suffolk County Department of Health determined that a cesspool had to be built to accommodate these materials. Nabisco had a cesspool constructed in the area of the pond behind the building. To my knowledge, there was never any discussion about the possibility that this manner of disposal would cause contamination.

14. At various times, the cesspool would back-up and overflow. I believe the cesspool backed up because of the level of the water table in the area. I personally noticed that the soil around the pond and cesspool became discolored. My son, who had occassionly fished in the pond, told me that the pond became lifeless sometime in the mid 1970's.

15. I recall that people from OSHA made visits to the company and inspected the premises. To my knowledge, there was never any discussion relating to the need to change the way the company disposed of the solvent and detergents.

16. In about 1976, Nabisco (Rowe Industries) relocated the operation to Mexico and closed the building in Sag Harbor. I did not go to Mexico with the company. However, I was in charge

of keeping an eye on the building in Sag Harbor during the time it was vacant.

17. At various times, I reported to Nabisco on the condition of the premises and the need for repairs. The building was vacant for 7-8 years prior to being purchased by Sag Harbor Industries. During the vacancy of the building, Nabisco did not provide any funds for the upkeep of the property.

18. During the 1970s, I began to notice some problems with my drinking water. At first, I thought it was the result of decaying vegetation seeping into the wells. I took samples of my water to Brookhaven National Laboratories to find out what was wrong with it. The Laboratory only tested the water for bacteria and reported to me that my water was fine.

19. The Suffolk County Health Department was later called in to test the well water after a neighbor complained about the death of a dog.

20. I have known of Paul Scheerer, President of Sag Harbor Industries, for many years. I never discussed with him the activities of Rowe Industries regarding the solvents or detergents prior to the purchase of the property by Sag Harbor Industries.

Anthony Fabiano
ANTHONY FABIANO

Sworn to before me this 22nd
day of May 1986

Jerlean A. Hopson
Notary Public

JERLEAN A. HOPSON
Notary Public, State of New York
No. 52-4588901
Qualified in Suffolk County
Commission Expires March 30, 1987

APPENDIX II

APPENDIX II

1984 SCDHS Report

NOYACK INVESTIGATION REPORT

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

DAVID HARRIS, M.D., M.P.H.
COMMISSIONER

ALDO ANDREOLI, P.E.
DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH

PREPARED BY:

GROUNDWATER RESOURCES AND RECLAMATION SECTION

DECEMBER, 1984

Table of Contents

List of Tables and Figures

NOYACK INVESTIGATION REPORT

I. Summary

From March to October 1984, the Groundwater Resources and Reclamation Section, Suffolk County Department of Health Services (SCDHS), defined a plume of contaminated groundwater in the residential area of Noyack near the Village of Sag Harbor. The plume, originating at an industrial property located east of Sag Harbor Turnpike, contains high concentrations of trichloroethane, trichloroethylene, tetrachloroethylene, and dichloroethylene. The contamination extends from its point of origin northwest approximately 1/2 mile to a discharge boundary along Sag Harbor Cove. The plume width is approximately 500 feet.

Forty-six homes in the area were sampled as part of the Department of Health Services' residential well sampling program. Fourteen of these wells, located within the contaminated plume of groundwater, were found to have water which exceeded recommended New York State Department of Health (NYSDOH) guidelines.

Because of the acute nature of the drinking water supply problem for this affected community, the Supervisor of Southampton Town and the Commissioner of the Suffolk County Department of Health Services immediately sought to have public water extended to these residences, and requested assistance from the U.S. Environmental Protection Agency (EPA) under the provisions of the Comprehensive Environmental and Liability Act (Superfund) to arrange, organize, and fund the extension of a potable public water supply.

During this time, additional well drilling and monitoring was being performed to pinpoint the plume origin. This supplemental on-site investigation located a buried source of contamination approximately 350 feet east of Sag Harbor Turnpike, determined to have been caused by industrial operations and disposal which occurred during the 1970s.

The announcement of the availability of federal Superfund monies for Noyack in December 1984 insured that public water would be provided and that the chemical contamination of the industrial site would be addressed by EPA or their contractors. The Department of Health Services and the EPA have worked together closely to speed delivery of the new water supply to the affected homes. The initiation of administrative mechanisms for on-site cleanup and groundwater reclamation has also been undertaken by the two agencies.

II. Introduction

Water quality results from a private residential well on Noyack Road, sampled by the Department of Health Services in June 1983, revealed high levels of organic chemicals. The magnitude and the types of constituents detected indicated the presence of industrial degreasing chemicals. The absence of an immediate nearby source, however, led to a strategy of well sampling of neighboring residences and an area inspection by the Hazardous Wastes Management Section of the Department of Health Services to inventory possible sources.

Supplemental residential well sampling indicated other homes exceeding groundwater guidelines for several organic constituents, and further hydrological field work was initiated by the Groundwater Resources and Reclamation Section to determine the rate and direction of groundwater flow, and to delineate the boundaries of the contaminated groundwater using monitoring wells. All nearby residential wells were also sampled to determine the potability of their supplies.

III. Residential Well Monitoring

Residents of the Noyack area use shallow private wells as their primary source of drinking water. The SCWA (Suffolk County Water Authority) public water supply system does not extend beyond the Village of Sag Harbor limits into Noyack.

Testing of private wells near the intersection of Noyack Road and Brick Kiln Road revealed several residences having unacceptable water quality. Additional testing along Carroll Street and Sag Harbor Turnpike indicated a total of 14 residences having organic compounds in excess of NYSDOH recommended guidelines. In each of the cases where private wells were contaminated, residents were advised not to use the water for consumptive purposes and to obtain alternate sources, either bottled water or water from a public supply.

Plate 1 (appended) shows the location of residences sampled and indicates the approximate boundaries of the elongated plume of contaminated groundwater. Of the wells sampled, all those having non-potable water were located within the plume boundary. Several residential wells within the plume area do not exceed guidelines, due either to plume stratification, lithologic protection, or well depth reaching beyond the plume boundary.

Twenty-two residential wells sampled, having no detectable limits of contamination, are outside of the plume boundary. Of particular note are the homes on Lily Pond Road, located immediately upgradient of the point of origin. Water quality data from these wells confirms the absence of any other possible alternate source further south.

The highest level of organic contamination was found in residence #6, with an aggregate organic value approximately 500 times the drinking water guideline. This coincides with the plume interior near the center line of the contamination. Wells located nearer the plume perifery generally show lower levels of organic constituents.

These private residential wells are screened at various non-uniform depths and, in most cases, well depths are not known.

IV. Field Procedure and Monitoring Well Results

From March through June of 1984, the Groundwater Resources and Reclamation Section installed 21 profile wells in the Noyack area using a Mobile B-53 hollow-stem auger drilling rig. Groundwater samples were collected at approximately 20-foot intervals and analyzed by the SCDHS Laboratory for 52 organic compounds.

The drilling centered around Noyack Road, where high organic contamination was first encountered, and then progressed southward along Carroll Street toward Sag Harbor Turnpike. The investigation continued with the installation of wells on Lily Pond Road, upgradient of the suspected origin. An additional 18 wells were installed on private property at the plume origin from September to October, 1984, to define the plume's lateral extent and to pinpoint source hot spots.

To account for localized hydrologic conditions, monitoring wells were leveled to absolute elevations above sea level, and the groundwater direction was found to be northwesterly, approximately parallel to Carroll Street as shown on Plate 1.

The average linear velocity of groundwater at this site was determined to be 2.5 ft/day, assuming a horizontal conductivity of K = 250 ft/day and an effective porosity n = .25 (see Appendix A). Under conditions of advective transport, it would take a slug of contaminated groundwater 800 days to travel from the origin and reach Noyack Road, where the contamination was initially detected. The hydrology in this area is such that groundwater ultimately discharges into Sag Harbor Cove which forms the northern boundary of the organic plume.

Most contaminant plumes tend to sink as they move downgradient. Because of the proximity of this site to a discharge boundary, however, this contaminant distribution is not evident. A review of water quality data (Table 1) at well N-10, where drilling proceeded through the plume until uncontaminated groundwater was encountered, shows a randomly stratified plume having high organic chemical concentrations at the uppermost level sampled, indicating no clear pattern of water quality variation with depth.

Table 1

CONCENTRATION* OF VOLATILE ORGANIC COMPOUNDS (VOC)
DETECTED IN WATER SAMPLES FROM PROFILE WELLS
INSTALLED FOR THE NOYACK INVESTIGATION

Well No. (DTW**)	Sample Depth (Date Sampled)	1,1 dichloro-ethane	1,1,1 trichloro-ethane	1,1,2 trichloro-ethylene	chlorodi-bromomethane	tetrachloro-ethylene	cis dichloro-ethylene	1,1 dichloro-ethylene	freon 113	total xylenes	Total Conc.* of VOCs
N-1	12'	-	2	-	-	-	-	-	-	-	2
(9')	42'	10	120	25	-	-	-	12	-	4	171
	(3/7/84)										
N-2	22'	-	29	3	-	5	-	3	-	-	40
(9')	42'	-	38	4	-	8	-	4	-	-	54
	(3/8/84)										
N-3	22'	-	12	5	-	3	-	-	-	-	20
(11')	42'	13	390	120	4	30	8	32	-	-	597
	(3/12/84)										
N-4	22'	-	-	-	-	-	-	-	-	-	-
(12')	42'	-	-	-	-	-	-	-	-	-	-
	(3/12/84)										
N-5	22'	-	25	16	-	-	-	-	-	-	41
(10')	42'	32	310	210	4	8	20	37	-	-	621
	62'	7	49	2	-	-	-	8	-	-	66
	(3/20/84)										
N-6	22'	3	190	43	-	74	-	19	-	-	329
(13')	42'	5	460	110	2	190	-	31	-	-	798
	62'	25	940	220	5	360	18	74	-	-	1642
	(3/20/84)										
N-7	22'	3	180	30	-	57	-	17	-	-	287
(17')	42'	3	160	26	-	49	-	19	-	-	257
	62'	2	95	17	-	29	-	9	-	-	152
	(3/26/84)										
N-8	32'	-	52	24	-	55	-	-	-	-	131
(21')	42'	-	120	33	-	88	-	13	7	-	261
	62'	3	57	14	-	18	-	7	-	-	99
	(3/27/84)										
N-9	22'	-	-	-	-	-	-	-	-	-	-
(9')	42'	-	-	-	-	-	-	-	-	-	-
	62'	-	-	-	-	-	-	-	-	-	-
	82'	-	-	-	-	-	-	-	-	-	-
	(4/7/84)										

*Concentration in parts per billion (ppb)
**Depth to Water (DTW)
- Not detected

Table 1 (cont'd)

Well No. (DTW**)	Sample Depth (Date Sampled)	1,1 dichloro-ethane	1,1,1 trichloro-ethane	1,1,2 trichloro-ethylene	chlorodi-bromomethane	tetrachloro-ethylene	cis dichloro-ethylene	1,1 dichloro-ethylene	freon 113	total xylenes	Total Conc.* of VOCs
N-10	40'	2	220	59	-	110	-	18	-		409
(17')	61'	-	58	15	-	36	-	9	-		118
	82'	15	550	98	-	150	13	63	-		889
	103'	-	18	-	-	5	-	-	-		23
	124'	-	2	-	-	-	-	-	-		2
	145'	-	-	-	-	-	-	-	-		-
	(4/24/84)										
N-11	21'	-	-	-	-	-	-	-	-		-
(17')	42'	-	-	-	-	-	-	-	-		-
	63'	-	-	-	-	-	-	-	-		-
	84'	-	-	-	-	-	-	-	-		-
	105'	-	-	-	-	-	-	-	-		-
	120'	-	-	-	-	-	-	-	-		-
	(4/26/84)										
N-12	43'	-	-	-	-	-	-	-	-		-
(16')	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(5/9/84)										
N-13	43'	-	-	-	-	-	-	-	-		-
(15')	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(5/7/84)										
N-14	22'	-	-	-	-	-	-	-	-		-
(10')	43'	-	-	-	-	-	-	-	-		-
	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(5/10/84)										
N-15	22'	-	-	-	-	-	-	-	-		-
(18')	43'	-	-	-	-	-	-	-	-		-
	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(5/13/84)										

*Concentration in parts per billion (ppb)
**Depth to water (DTW)
- Not detected

Table 1 (cont'd)

Well No. (DTW**)	Sample Depth (Date Sampled)	1,1 dichloro-ethane	1,1,1 trichloro-ethane	1,1,2 trichloro-ethylene	chlorodi-bromomethane	tetrachloro-ethylene	cis dichloro-ethylene	1,1 dichloro-ethylene	freon 113	total xylenes	Total Conc.* of VOCs
B-16	23'	2	41	14	-	15	-	-	-		72
(13')	44'	41	1300	460	8	1000	45	79	-		2933
	65'	90	1000	300	7	380	56	130	-		1971
	(5/16/84)										
B-17	22'	31	85	86	-	3	-	6	-		211
(11')	44'	11	55	6	-	-	-	3	-		75
	65'	19	210	44	-	-	-	14	-		287
	(5/21/84)										
B-18	34'	-	-	-	-	-	-	-	19		19
(21')	44'	-	-	-	-	-	-	-	-		-
	65'	-	3	-	-	3	-	-	-		6
	(5/22/84)										
B-19	23'	-	-	-	-	-	-	-	-		-
(8')	43'	-	-	-	-	-	-	-	-		-
	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(5/23/84)										
B-20	23'	-	-	-	-	-	-	-	-		-
(7')	44'	-	-	-	-	-	-	-	-		-
	65'	-	-	-	-	-	-	-	-		-
	(6/4/84)										
B-21	22'	-	-	-	-	-	-	-	-		-
(5')	43'	-	-	-	-	-	-	-	-		-
	64'	-	-	-	-	-	-	-	-		-
	85'	-	-	-	-	-	-	-	-		-
	(6/4/84)										

*Concentration in parts per billion (ppb)
**Depth to water (DTW)
- Not detected

This distribution may also imply that the organic contamination is reaching the groundwater at varying rates and points in time, due to the release of contamination accompanying recharge (precipitation) events, or other factors such as the permeability of the subsoil and diffusion within the aquifer.

Results from supplemental drilling to determine the precise plume origin on the Sag Harbor Industries property are shown on Figure 1. Wells exceeding drinking water guidelines are shaded, and show the center of the source to be located approximately 350 feet east of Sag Harbor Turnpike, concentrating in the area of wells N-26, N-27, and N-28, where the greatest levels of contamination were detected at the water table surface. The single exception, well N-34, is located near the site of an old drum storage and loading dock, where solvent saturated subsoils are responsible for the water quality of the adjacent well.

V. Discussion and Conclusions

Some historical background is necessary to understand the nature of the on-site cleanup and reclamation recommendations. The origin of the contamination is an industrial property currently occupied by Sag Harbor Industries and formerly occupied by Rowe Industries. Sag Harbor Industries purchased the land and building in 1980. Inspections since that time by the Department of Health Services have found no evidence of unlawful discharges, and the current manufacturing processes do not employ degreasing solvents.

From 1975 to 1980, the building and land were vacant, although owned by the Nabisco Corporation. Nabisco manufactured small electric motors at this site under the name of Rowe Industries from 1971 to 1975. Prior to this, the Aurora Corporation carried on the same operations also under the name of Rowe Industries from 1966 to 1971.

Aurora, a manufacturer of small model vehicles, had purchased the land and building from Rowe Industries, a local corporation which had been occupying the site since 1950. Reports from former workers employed at Rowe Industries during the 1970s indicate that many types of organic solvents were used to degrease oil-coated metal that was punch pressed for electrical motors, and that spent solvents were discharged into drains leading east from the building--either into cesspools or directly onto the land surface or to a small pond further east.

Since the source of organic chemical contamination is still detectable east of the industrial building, it is recommended that site excavation and removal of contaminated material and soil be initiated as promptly as possible, either by the EPA Superfund contractor or by the responsible parties. Sampling of adjacent monitoring wells must continue to be performed

Well N-40

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	7	5	3	ND	ND
45	10	200	140	71	8	ND

Date Sampled: 9/24/84

Well N-39

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
33	17	1300	1100	1800	33	ND
45	37	1900	1400	1900	67	8

Date Sampled: 9/20/84

Well N-38

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
30	ND	8	6	31	ND	ND
45	5	260	160	410	10	ND

Date Sampled: 9/6/84

Well N-37

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
25	ND	ND	ND	ND	ND	ND
40	ND	4	ND	4	ND	ND

Date Sampled: 8/30/84

Well N-32

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	ND	ND	5	ND	ND
45	ND	99	68	260	ND	ND

Date Sampled: 9/10/84

Well N-31

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	36	26	90	ND	ND
45	9	900	810	3000	24	10

Date Sampled: 8/23/84

Well N-28

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	31	660	380	2100	7	551
45	ND	6	3	33	ND	ND

Date Sampled: 8/20/84

Well N-29

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	3	150	130	780	ND	50
45	ND	ND	ND	ND	ND	ND

Date Sampled: 8/20/84

Well N-30

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	15	10	41	ND	8
45	ND	ND	ND	ND	ND	ND

Date Sampled: 8/22/84

Well N-36

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
32	ND	ND	ND	ND	ND	ND
45	ND	ND	ND	ND	ND	ND

Date Sampled: 9/25/84

Well N-24

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
24	4	500	150	610	5	333
45	5	290	81	330	7	174

Date Sampled: 8/7/84

Well N-25

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
24	4	49	25	47	ND	19
45	ND	ND	ND	ND	ND	ND

Date Sampled: 8/7/84

Well N-26

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	17	1700	510	2300	17	ND
45	ND	ND	ND	3	ND	ND

Date Sampled: 8/13/84

Well N-27

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	20	3000	1400	5900	17	216
45	ND	ND	ND	3	ND	ND

Date Sampled: 8/15/84

Well N-23

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
10	ND	ND	ND	ND	ND	43
21	ND	ND	ND	ND	ND	ND
29	ND	ND	ND	ND	ND	ND

Date Sampled: 8/1/84

Well N-41

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	ND	ND	ND	ND	ND
45	ND	ND	ND	ND	ND	ND

Date Sampled: 10/11/84

Well N-33

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	37	ND	23	ND	ND
45	ND	ND	ND	ND	ND	ND

Date Sampled: 9/10/84

Well N-35

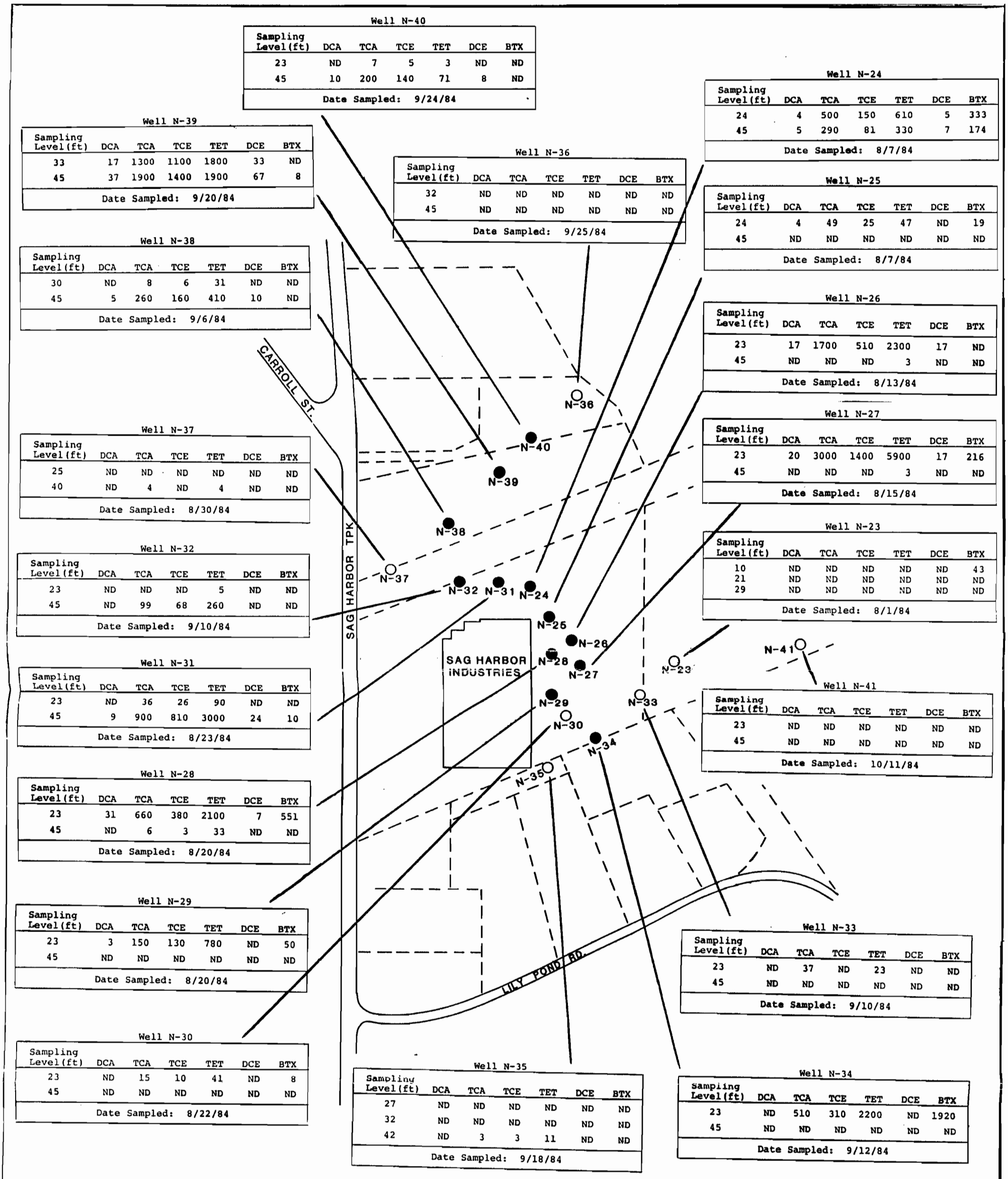
Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
27	ND	ND	ND	ND	ND	ND
32	ND	ND	ND	ND	ND	ND
42	ND	3	3	11	ND	ND

Date Sampled: 9/18/84

Well N-34

Sampling Level(ft)	DCA	TCA	TCE	TET	DCE	BTX
23	ND	510	310	2200	ND	1920
45	ND	ND	ND	ND	ND	ND

Date Sampled: 9/12/84



● water quality exceeds drinking water guidelines at upper or lower level.

KEY

Trace Organic Constituent	Abbreviation Used
1,1 dichloroethane	DCA
1,1,1 trichloroethane	TCA
1,1,2 trichloroethylene	TCE
tetrachloroethylene	TET
1,1 dichloroethylene	DCE
total xylenes 1,2,4 trimethyl benzene 1,3,5 trimethyl benzene benzene toluene	BTX

ND: none detected

All concentrations in ppb (parts per billion)

FIG. 1

NOYACK ON-SITE INVESTIGATION;
WELL LOCATIONS AND WATER QUALITY

on a semi-annual interval, until the property no longer actively contaminates the aquifer. The present discharges of non-contact cooling water should be directed to recharge pools located as far as possible from the pinpointed source hot spot, either further west or south from the source. Requirements for groundwater reclamation will hinge on the recoverability of on-site solvent sources and the elimination of this property as an active groundwater contamination threat.

Residents affected by the groundwater plume will be receiving a safe public water supply from the Suffolk County Water Authority, through emergency relief Superfund monies administered by EPA. The expected date for initiating construction of new water mains is January, 1985. Hook-ups to each residence will also be provided.

The Department of Health Services will continue monitoring the water quality of homes outside the plume area and will periodically sample several observation wells installed within the plume to detect changes in concentration that may occur in the future.

APPENDIX A

VELOCITY FIELD CALCULATIONS: NOYACK INVESTIGATION

Average Linear Velocity

The velocity field for the Noyack Investigation was determined using Darcy's law, which states:

$$v = K \frac{\partial h}{\partial l}$$

where,

v = specific discharge (volumetric flux per area) (ft/day);

K = hydraulic conductivity (ft/day); and,

$\frac{\partial h}{\partial l}$ = hydraulic (head) gradient along length l (dimensionless).

The average linear velocity $\bar{v}$ can then be defined as:

$$\bar{v} = \frac{v}{n} = \frac{K}{n} \frac{\partial h}{\partial l}$$

where,

n = the volumetric porosity of the medium (dimensionless).

If K is assumed to be 250 ft/day and n is assumed to be .25 and $\frac{\partial h}{\partial l}$ = .0025 (determined from head differences between well N-2 and N-8), then

$$\bar{v} = \frac{K}{n} \frac{\partial h}{\partial l} \text{ or } \frac{250 \text{ ft/day}}{.25} (.0025)$$

$$\text{average linear velocity} = \bar{v} = 2.5 \text{ ft/day}$$

APPENDIX III

Pilot Boreholes Geologic Logs

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER	Rowe Industries
WELL NO.	B-42
PAGE	1 OF 5 PAGES
LOCATION	Gingerbread Bake Shop parking lot (southwest corner)
DATE COMPLETED	October 4, 1989
DRILLING COMPANY	Delta Well & Pump Co., Inc.
DRILLING METHOD	Hollow-stem auger
SAMPLING METHOD	Split spoon (every 5 feet)
OBSERVER	K. Billick
REFERENCE POINT (RP)	Grade
ELEVATION OF RP	
SCREEN TYPE	
DIAM.	SLOT NO.
SETTING	
SAND PACK	
CASING	
SETTING	
DEVELOPMENT	
DURATION	
STATIC WATER LEVEL	
YIELD	
REMARKS	Pilot hole for east well cluster; 3¼ inch inner diameter augers; Water encountered at 16.7 feet.

DEPTH (FEET) FROM	TO	DESCRIPTION
0.0	4.0	SAND, medium to coarse; brown.
4.0	6.0	Blow count: 3-5-7-12
		Top 0.2 feet; Sand, medium to coarse; organic-rich, and well-
		rounded gravel; brown; 1.2-foot recovery.
9.0	11.0	Blow count: 5-6-6-9
		Top 0.25 feet; SAND, coarse to very coarse; some well-rounded
		gravel; beige.
		Middle 0.35 feet; SAND, medium to coarse; band of mica-rich sand.
		Bottom 0.85 feet; SAND, medium to fine; trace of clay band near
		bottom of spoon; 1.25-foot recovery.
14.0	16.0	Blow count: 2-9-5-6
		Top 0.3 feet; SAND, fine; trace of silt; brown.

OWNER Rowe Industries

WELL NO. B-42 PAGE 2 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
14.0	16.0	Middle 0.3 feet; Sand, very fine; and silt; trace of clay; mica
		rich; tightly packed; brown.
		Bottom 0.9 feet; SAND, medium to fine; alternating bands of iron-
		stained fine sand and medium to coarse brown sand; 1.5-foot
		recovery.
19.0	21.0	Blow count: 2-2-3-6
		SAND, medium to coarse; trace of thin clay band in middle of
		spoon; mica rich; sand coarsens down the spoon; water encountered
		at 16.7; 2-foot recovery.
25.0	27.0	Blow count: 3-5-8-10
		Top 0.65 feet; SAND, medium to coarse.
		Middle 0.70 feet; SAND, medium; mica rich; layer of black sand
		in silty clay material 0.45 feet in interval.
		Bottom 0.5 feet; SAND, medium to coarse, iron stained; 1.8-foot
		recovery.
29.0	31.0	Blow count: 15-9-11-13
		Top 1.5 feet; SAND from surging.
		Bottom 0.5 feet; SAND, medium; brown; 2-foot recovery.
34.0	36.0	Blow count: 4-5-9-13
		SAND, medium to coarse; brown; 2-foot recovery.
39.0	41.0	Blow count: 9-14-23-23
		Sand and coarse gravel; little recovery.
44.0	46.0	Blow count: 12-10-14-19
		SAND, medium; trace recovery.

OWNER Rowe Industries

WELL NO. **B-42** PAGE 3 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
49.0	51.0	Blow count: 7-7-13-18
		Top 1 foot; SAND, medium to fine.
		Middle 0.7 feet ; Sand, very fine to fine and silt; gray; mica
		rich; some red-brown clay.
		Bottom 0.3 feet; Sand, medium to coarse; and gravel; sand
		coarsens to gravel down spoon; 2-foot recovery.
54.0	56.0	Blow count: 2-4-8-11
		Top 1 foot; Sand, very fine, and silt; grades into medium to
		coarse sand; trace of gravel; 0.1 foot red-brown clay band
		0.8 feet down spoon.
		Bottom 0.8 foot; SAND, medium; mica rich; gray-white; 1.9-foot
		recovery.
59.0	61.0	Blow count: 5-11-9-23
		SAND, medium, mica rich; gray-white; 1.8-foot recovery.
64.0	66.0	SAND, very coarse; trace of well-rounded gravel; mostly wash material;
		2-foot recovery.
69.0	71.0	Blow count: 4-7-11-14
		Sand, medium to coarse; gray; trace of coarse gravel (diameter
		greater than 2 inches); trace of well rounded, medium gravel;
		2-foot recovery.
74.0	76.0	Blow count: 10-11-21-26
		Top 0.85 feet; SAND, coarse; some gravel; gray.
		Bottom 0.5 feet; SAND, medium to coarse; trace of silt and red
		clay; 1.3-foot recovery.

OWNER Rowe Industries

WELL NO. **B-42** PAGE 4 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
79.0	81.0	Blow count: 7-9-9-7
		Top 0.9 feet; Sand, coarse; and gravel; trace of coarse gravel.
		Bottom 0.3 feet; Silty clay; trace of very fine sand and silt;
		1.2-foot recovery.
81.0	83.0	Blow count: 17-16-22-36
		Top 1.1 Feet; SAND, medium to fine.
		Bottom 0.9 feet; Silty clay, trace of sand; mica rich; 2-foot
		recovery.
84.0	86.0	Blow count: 8-14-20-30
		Top 0.25 feet; Clay and silt; gray.
		Bottom 1 foot; SAND, medium to coarse; some gravel; gray; 1.25-foot
		recovery.
89.0	91.0	Blow count: 21-30-34-34
		Top 0.6 feet; SAND, coarse to fine; some silt and gravel; gray.
		Bottom 0.7 feet; SAND, medium to coarse, mica rich; iron stained;
		1.3-foot recovery.
94.0	96.0	Blow count: 12-13-14-25
		Sand, medium to fine, grades into coarse sand; and well-rounded
		gravel; trace bands of iron-stained sand; 1.1-foot recovery.
99.0	101.0	Blow count: 2-6-10-17
		Top 0.8 feet; SAND, medium to coarse; trace of very fine sand and
		cobble.
		Bottom 0.7 feet; SAND, medium to coarse; some medium grained,
		well-rounded gravel; 1.5-foot recovery.

OWNER	Rowe Industries	
WELL NO.	B-42	PAGE 5 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
104.0	106.0	Blow count: 9-6-16-34
		Top 0.7 feet; SAND, medium to coarse; brown.
		Middle 0.75 feet; Clay and silt; trace of sand, gray, mica rich.
		Bottom 0.5 feet; SAND, fine to very fine; some silt; 1.95-foot recovery.
109.0	111.0	Blow count: 9-21-29-37
		Top 0.6 feet; SAND, medium to fine; some silt; trace of intermittent clay band.
		Middle 0.25 feet; SAND, medium; alternating bands of gray and iron-stained sand.
		Bottom 0.75 feet; SAND, medium to fine; trace bands of clay; 1.6 foot recovery.
		End of pilot borehole.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER	Rowe Industries
WELL NO.	B-43
PAGE	1 OF 5 PAGES

LOCATION	North side of	SCREEN TYPE	
	Carroll Street	DIAM.	SLOT NO.
DATE COMPLETED	October 12, 1989	SETTING	
DRILLING COMPANY	Delta Well & Pump Co., Inc.	SAND PACK	
		CASING	
DRILLING METHOD	Hollow-stem auger	SETTING	
SAMPLING METHOD	Split spoon (every 5 feet)	DEVELOPMENT	
OBSERVER	K. Billick	DURATION	
REFERENCE POINT (RP)	Grade	STATIC WATER LEVEL	
ELEVATION OF RP		YIELD	
REMARKS	Pilot hole for west well cluster; 3¼ inch inner diameter auger.		

DEPTH (FEET) FROM	TO	DESCRIPTION
4.0	6.0	Blow count: 4-6-16-23
		SAND, medium; trace of gravel and dark thin bands of clay; light
		brown; 1.6-foot recovery.
9.0	11.0	Blow count: 8-16-14-16
		Top 0.65 feet; SAND, very fine; trace of silt and clay lense.
		Bottom 1 foot; Sand, very fine and silt; mica rich; slightly
		cohesive; 1.65-foot recovery.
14.0	16.0	Blow count: 4-8-8-9
		Top 0.25 feet; Sand, very fine; and silt; trace of clay.
		Middle 1 foot; Sand, very fine; and silt; trace coarse gravel
		(quartz).
		Bottom 0.25 feet; Silty clay and very fine sand; red-brown;

OWNER Rowe Industries

WELL NO. **B-43** PAGE 2 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
14.0	16.0	1.5-foot recovery.
19.0	21.0	Blow count: 7-6-6-7
		SAND, medium to coarse; 2-foot recovery.
24.0	26.0	Blow count: 6-6-6-7
		SAND, medium to fine grading into very fine sand; trace of silt,
		clay and well-rounded gravel; 2-foot recovery.
29.0	31.0	Blow count: 12-6-5-6
		Top 1 foot; SAND, medium to coarse; some gravel.
		Middle 0.35 feet; SAND, medium to coarse, beige.
		Bottom 0.15 feet; SAND, medium to coarse; trace of fine, mica
		rich; brown; 1.5-foot recovery.
34.0	36.0	Blow count: 12-5-6-8
		Top 0.7 feet; SAND, medium to coarse; trace of gravel and clay
		lense.
		Bottom 0.6 feet; SAND, medium to fine; trace of fines; mica rich;
		brown; 1.3-foot recovery.
39.0	41.0	Blow count: 12-6-6-8
		Top 0.3 feet; SAND, medium to coarse; brown.
		Bottom 0.7 feet; SAND, medium to coarse; trace of gravel; mica
		rich; 1-foot recovery.
44.0	46.0	Blow count: 12-5-6-8
		Top 0.7 feet; SAND, medium to coarse; tan.
		Middle 0.65 feet; SAND, medium to fine; trace of silt and clay;
		mica rich, slightly cohesive.

OWNER Rowe Industries

WELL NO. **B-43** PAGE 3 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
44.0	46.0	Bottom 0.45 feet; SAND, medium to coarse; iron stained; 1.8-foot
		recovery.
49.0	51.0	Blow count: 8-5-6-8
		Top 0.75 feet; SAND, medium to coarse; buff.
		Bottom 0.75 feet; SAND, medium to coarse; trace of clay band at
		top of interval; 1.5-foot recovery.
54.0	56.0	Blow count: 3-4-6-9
		Top 0.75 feet; SAND, medium; trace fines; mica rich; buff.
		Middle 0.15 feet; CLAY, beige.
		Bottom 1 foot; SAND, medium, iron staining; 1.9-foot recovery.
59.0	61.0	Blow count: 3-4-6-9
		SAND, medium; trace of fines; iron staining; light brown;
		1.7-foot recovery.
64.0	66.0	Blow count: 4-4-6-10
		Top 1 foot; SAND, medium; trace of clay.
		Bottom 1 foot; SAND, medium to coarse; trace silty clay and
		gravel; 2-foot recovery.
69.0	71.0	Top 1 foot; SAND, medium to coarse; light brown.
		Bottom 1 foot; SAND, medium to fine; some very fine silty clay; 2-foot
		recovery.
74.0	76.0	Blow count: 12-12-15-22
		Top 0.4 feet; SAND, fine to coarse; coarsens down spoon; brown.
		Bottom 1 foot; Sand, fine to very fine; and silt; some clay;
		1.4-foot recovery.
79.0	81.0	Blow count: 8-11-13-19

OWNER Rowe Industries

WELL NO. **B-43** PAGE 4 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
79.0	81.0	SAND, medium; trace bands of very fine sand and silt; red-brown;
		beige; 2-foot recovery.
84.0	86.0	Blow count: 10-13-14-20
		Top 1 foot; SAND, medium, mica rich.
		Bottom 1 foot; SAND, medium to coarse; some subrounded quartz
		fine to medium gravel; (diameter less than 1 inch); 2-foot
		recovery.
89.0	91.0	Blow count: 9-12-16-27
		SAND, medium; some well-rounded gravel; trace of clay lense;
		gray; 1.45-foot recovery.
94.0	96.0	Blow count: 13-18-24-34
		Top 0.65 feet; SAND, medium to fine; tan.
		Bottom 1.35 feet; SAND, medium to coarse, trace of gravel at
		bottom of spoon; trace of clay lense: 2-foot recovery.
99.0	101.0	Blow count: 10-15-19-22
		Top 0.25 feet; SAND, medium to fine; gray.
		Middle 0.45 feet; SAND, medium to coarse; brown.
		Bottom 0.35 feet; SAND, medium to coarse; trace clay band; iron
		staining; 1.05-foot recovery.
104.0	106.0	Blow count: 13-15-18-24
		Top 0.85 feet; SAND, medium to coarse; trace of fines; orange-
		brown.
		Bottom 0.65 feet; SAND, medium; trace of fines; Brown; 1.5-foot
		recovery.

OWNER	Rowe Industries	
WELL NO.	B-43	PAGE 5 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
109.0	111.0	Top 0.65 feet, SAND medium to coarse; tan.
		Bottom 0.6 foot; SAND, medium; trace of thin bands of silty, very fine
		sand and clay; red-brown; 1.25-foot recovery.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-28	
PAGE 1 OF 5 PAGES	
LOCATION Rowe Industries parking lot	SCREEN TYPE
adjacent to N-28	DIAM. SLOT NO.
DATE COMPLETED May 24, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Continuous split spoon	DEVELOPMENT
OBSERVER Karen Billick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD

REMARKS
Water encountered at approximately 18 feet below grade.

DEPTH (FEET) FROM	TO	DESCRIPTION
0	2	Blow count: 8-8-6-6.
		SAND, medium to fine; trace silt; trace medium gravel; cobbles
		at end of spoon; brown; moist; 0.60-foot recovery.
2	4	Blow count: 5-1-2-2.
		SAND, medium to fine; trace silt; trace gravel; moist; brown;
		1.20-foot recovery.
4	6	Blow count: 33-11-1-2.
		SAND, fine to medium; trace medium to fine gravel and broken
		cobbles; trace silt; brown; 1.40-foot recovery.
6	8	Blow count: 2-2-1-3.
		SAND, medium to fine; some coarse sand near top of spoon; trace

OWNER	Rowe Industries, Inc.	
WELL NO.	B-28	PAGE 2 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
6	8	medium to coarse gravel, well rounded, brown with orange stain;
		0.40-foot recovery.
8	10	Blow count: 16-7-7-12.
		SAND, medium; trace fine; trace medium to fine gravel; trace tan brown
		coarse sand; 0.80-foot recovery.
10	12	Blow count: 12-12-10-15
		SAND, medium to fine, brown; cobble in top of spoon;
		0.30-foot recovery.
12	14	Blow count: 6-7-9-21
		SAND, medium; trace coarse; trace fine gravel; light brown; 1.30-foot
		recovery.
14	16	Blow count: 21-18-15-23
		Top 1.00 foot; SAND, medium; trace coarse sand; trace fine gravel.
		Bottom 0.50 foot; SAND, fine to very fine, little medium; some silt;
		trace clay; 1.40-foot recovery.
16	18	Blow count: 7-9-11-20
		SAND, medium to fine; trace fine gravel; finer going down spoon; brown;
		1.30-foot recovery.
18	20	Blow count: 15-16-17-18
		SAND, medium to coarse; trace fine; trace silt; brown; wet; 1.50-foot
		recovery.
20	22	Blow count: 6-7-10-15
		SAND, medium to coarse; some very coarse sand; trace fine gravel; trace
		silt; brown; 1.40-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-28	PAGE 3 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
22	24	Blow count: 17-13-11-10
		Top 0.65 foot; SAND, medium; some coarse sand near bottom of interval;
		tan-brown.
		Bottom 0.65 foot; Sand, fine to very fine, and silt; trace fine gravel;
		trace clay at bottom of spoon; black.
		1.35-foot recovery.
24	26	Blow count: 5-4-5-8
		Top 0.60 foot; SAND, medium to very fine; trace coarse sand; black.
		Bottom 1.00 foot; Silty clay; red-brown; trace very fine sand; 1.60-foot
		recovery.
26	28	Blow count: 7-18-12-12
		Top 0.10 foot; SAND, medium to coarse; black.
		Next 0.70 foot; Sand very fine; silt and clay; brown.
		Next 0.35 foot; SAND, medium to fine; trace silty clay layer less than
		0.01 foot thick; alternating bands of black and brown sand;
		Next 0.15 foot; SAND, medium to coarse; dark olive brown.
		Next 0.15 foot; Sand, fine; silt and clay bands; 1.45-foot recovery.
28	30	Blow count: 3-7-14-12
		Top 0.25 foot; SAND, medium; trace fine sand; olive-gray.
		Next 0.10 foot; silty clay; red-brown.
		Next 0.30 foot; SAND, medium; trace fine sand; olive-gray; yellow
		discoloration at bottom of interval.
		Next 0.50 foot; Silty clay; trace very fine sand; light brown with red
		stain.
		Bottom 0.40 foot; SAND, medium to coarse; orange stain; 1.55-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-28	PAGE 4 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
30	32	Blow count: 6-5-8-9
		Top 0.20 foot; SAND, medium to coarse; trace fine sand; olive-gray.
		Middle 0.25 foot; SAND, medium; some fine; orange stain.
		Bottom 0.25 foot; SAND, medium to fine; trace very fine sand; tan;
		0.90-foot recovery.
32	34	Blow count: 9-11-15-16
		Top 0.50 foot; SAND, medium to fine; gray-brown.
		Bottom 0.70 foot; Sand, medium to very coarse, and fine gravel;
		trace cobble at bottom of spoon; orange-brown; 1.20-foot recovery.
34	36	Blow count: 8-9-10-13
		Top 0.20 foot; Sand, very fine silt and clay; silver-gray.
		Bottom 0.60 foot; Sand, medium to very coarse, and medium to fine
		gravel; trace cobble at tip of spoon; orange brown; 0.80 foot
		recovery.
36	38	Blow count: 13-6-9-12
		Top 0.30 foot; CLAY; red-brown; trace silt; trace fine gravel.
		Bottom 0.90 foot; SAND, medium to coarse; trace medium gravel; trace
		cobble; gray-beige; 1.20-foot recovery.
38	40	Blow count: 10-17-12-13
		SAND, medium to very coarse; some medium to coarse gravel; trace very
		fine sand, silt and clay at top of spoon; 1.50-foot recovery.
40	42	Blow count: 5-13-10-12
		SAND, medium to very coarse; some well-rounded medium gravel; gray-
		beige; 1.60-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-28	PAGE 5 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
42	44	Blow count: 11-16-13-15
		Top 0.95 foot; SAND, medium to coarse; little fine sand; gray-beige.
		Bottom 0.50 foot; SAND, medium to coarse; some medium gravel; well
		rounded; gray-beige; silt and clay at bottom of spoon; 1.45-foot
		recovery.
44	46	Blow count: 13-14-14-18
		SAND, medium to coarse; trace very fine sand and silt; gray-beige;
		2.00-foot recovery.
46	48	Blow count: 14-12-13-18
		SAND, medium to coarse; trace very fine sand and silty clay band
		0.10 foot thick 0.50 foot from top of spoon; 2.00-foot recovery.
48	50	Blow count: 31-19-12-19
		Top 1.50 foot; SAND; medium; trace coarse and fine sand; gray.
		Bottom 0.50 foot; Silty clay; trace very fine sand, gray-brown.
		End of borehole.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-44	
PAGE 1 OF 4 PAGES	
LOCATION Rowe Industries; northern parking lot near N-31	SCREEN TYPE
	DIAM. SLOT NO.
DATE COMPLETED June 3, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Continuous split spoon	DEVELOPMENT
OBSERVER Karen Billick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD

REMARKS
Water encountered at approximately 21 feet below grade.

DEPTH (FEET) FROM	TO	DESCRIPTION
0	2	Blow count: 6-1-1-1
		SAND, medium to fine; trace silt; brown; 0.30-foot recovery.
5	7	Blow count: 17-4-4-3
		SAND, fine to very fine; trace silt; trace cobble; brown; dry;
		1.15-foot recovery.
10	12	Blow count: 9-16-16-21
		Top 0.30 foot; SAND, fine to very fine; trace silt and cobble; trace
		cement chip; brown.
		Bottom 1.00 foot; SAND, fine; trace silt and medium to fine gravel;
		tan-brown; dry; 1.30-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-44	PAGE 2 OF 4 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
15	17	Blow count: 16-20-19-27
		SAND, medium to fine; trace silt; trace fine to coarse gravel; trace
		broken cobble; orange-brown; 1.50-foot recovery.
20	22	Blow count: 30-21-25-28
		Top 0.70 foot; SAND, medium to fine; trace silt; tan-brown.
		Bottom 0.60 foot; Broken quartz cobble; trace very fine sand; moist;
		1.30-foot recovery.
25	27	Blow count: 36-21-17-21
		SAND, medium to fine; trace gravel; trace brick fragment; brown-tan;
		wet; 1.70-foot recovery.
30	32	Blow count: 24-62-18-25
		Top 0.80 foot; SAND, medium to fine; trace silt; brown.
		Bottom 0.90 foot; SAND, fine to coarse; some medium to coarse gravel;
		coarsens down spoon; orange-brown; 1.70-foot recovery.
35	37	Blow count: 24-33-25-19
		Top 1.10 feet; SAND, medium to very coarse; some medium to coarse
		gravel; brown-tan.
		Bottom 0.50 foot; silty clay; gray; 1.60-foot recovery.
37	39	Blow count: 48-51-15-16
		Top 1.00 foot; SAND, medium to fine; brown-beige.
		Bottom 0.80-feet; SAND, medium to very coarse; trace very fine sand
		near bottom of spoon, gray; 1.80-foot recovery.
39	41	Blow count: 34-65-36-20
		SAND, medium to fine; trace silt; gray-beige; 2.00-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-44	PAGE 3 OF 4 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
41	43	Blow count: 42-40-18-23
		SAND, fine to very fine; trace silty clay band, 0.10-foot thick at
		bottom of spoon; gray-beige; 2.00-foot recovery.
43	45	Blow count: 37-51-17-39
		Top 1.50 feet; SAND, fine to very fine; gray.
		Bottom 0.50 foot; Silty clay; brown-gray; 2.00-foot recovery.
45	47	Blow count: 60-32-31-33
		SAND, fine to coarse; trace fine gravel; gray-brown; 2.00-foot
		recovery.
47	49	Blow count: 63-29-22-30
		Top 0.90 foot; SAND, fine to medium.
		Middle 0.90 foot; SAND, medium to coarse with little fine gravel;
		0.10 silty clay band grades back to fine sand; trace very fine
		sand and silt; gray-brown; 2.00-foot recovery.
49	51	Blow count: 40-39-15-18
		SAND, fine; trace very fine and medium sand; trace silt; gray-brown;
		2.0-foot recovery.
51	53	Blow count: 30-60-100/4"
		SAND, medium; trace fine and coarse sand, beige-gray; 1.85-foot
		recovery.
53	55	Blow count: 27-100/4"
		SAND, medium; trace very fine sand at top of spoon; trace coarse
		sand; beige-gray; 1.30-foot recovery.
55	57	Blow count: 31-26-7-10
		SAND; medium to coarse; little gravel; trace fine sand, silt and

clay; beige-gray; 1.50-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-44	PAGE 4 OF 4 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
60	62	Blow count: 26-23-8-9
		SAND, medium to coarse; trace fine sand; trace medium gravel; beige-
		gray silty clay layer .25-inch thick, .35-foot from bottom of
		spoon; gray; 1.50-foot recovery.
65	67	Blow count: 39-49-68-29
		No recovery.
67	69	Blow count: 16-24-42-69/4"
		SAND, medium; trace coarse and fine sand; beige-gray; 1.50-foot
		recovery.
		End of borehole.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-45	
PAGE 1 OF 5 PAGES	
LOCATION Rowe Industries parking lot	SCREEN TYPE
north of former drum storage area	DIAM. SLOT NO.
DATE COMPLETED May 22, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Continuous split spoon	DEVELOPMENT
OBSERVER Karen Sillick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD
REMARKS Water encountered at approximately 19 feet below grade.	

DEPTH (FEET) FROM	TO	DESCRIPTION
0	2	Blow count: 11-12-9-9
		Top .20 foot; black top.
		Bottom 1.00 foot; SAND, medium to fine; trace silt; trace medium
		to fine gravel; trace quartz cobble; mica-rich; tan-beige; dry;
		no odor; 1.20-foot recovery.
2	4	Blow count: 8-8-7-10
		SAND, medium to fine; trace silt; trace medium to fine gravel; dry;
		no odor; 1.30-foot recovery.
4	6	Blow count: 44-8-9-10
		SAND, medium to fine; trace silt; trace crushed cobble at top of
		split spoon, black stained interval, 0.10-foot thick, 0.60 feet
		from top of spoon; moist; no odor; 1.40-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-45	PAGE 2 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
6	8	Blow count: 11-7-11-14
		SAND, medium to fine; trace coarse sand lens less than 0.10-foot
		thick 1.00 foot from top of spoon; trace fine to medium gravel;
		well rounded; brown; moist; no odor; 1.60-foot recovery.
8	10	Blow count: 35-15-14-18
		SAND, medium to fine; trace coarse; trace silt; trace medium to fine
		gravel; brown; moist; no odor; 1.00-foot recovery.
10	12	Blow count: 14-14-15-18
		Top 0.50 foot; SAND, medium; trace silt and fine gravel; beige.
		Middle 0.80 foot; alternating bands of clayey silt less than
		0.10-foot thick and very fine sand and silt; red-brown.
		Bottom 0.50 foot; SAND, medium; rounded; uniform; beige; 1.80-foot
		recovery.
12	14	Blow count: 11-8-8-10
		SAND, medium to coarse; trace medium gravel; fine sand near bottom
		of spoon; beige; 1.00-foot recovery.
14	16	Blow count: 11-9-11-14
		SAND, medium to coarse; trace cobble (diameter greater than 1/4-inch
		thick) yellowish-brown; clay lense 0.10-foot thick near top of
		spoon; dry; 1.30-foot recovery.
16	18	Blow count: 26-6-8-11
		Top 1.00 foot; SAND, medium to coarse; trace fine gravel
		Bottom 0.20 foot; SAND, medium to coarse, orange-brown; clay silt
		band less than 0.10-foot thick in middle of spoon; dry; no odor;
		1.20-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-45	PAGE 3 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
18	20	Blow count: 6-9-8-13
		SAND, coarse to very coarse; some medium sand; trace medium gravel at
		bottom of spoon; orange-brown; wet; 1.50-foot recovery.
20	22	Blow count: 18-7-7-12
		Top 0.90 foot; SAND, medium to coarse; trace medium to fine gravel;
		orange-brown; no odor.
		Middle 0.20 foot; SAND, medium; gray-brown.
		Bottom 0.10 foot; Silt and very fine sand; yellow-gray; no odor;
		1.20-foot recovery.
22	24	Blow count: 16-8-4-9
		SAND, medium to coarse; some fine to medium gravel; gray-beige;
		1.50-foot recovery.
24	26	Blow count: 20-8-7-9
		Top 0.50 foot; SAND, medium; trace silty clay band less than
		0.02 foot thick 0.20 feet from top of spoon.
		Bottom 0.70 foot; SAND, medium; gray-beige; no odor; 1.20-foot
		recovery.
26	28	Blow count: 14-10-8-16
		SAND, medium; trace coarse sand; trace fine gravel; 1.20-foot
		recovery.
28	30	Blow count: 5-4-5-6
		SAND, medium; trace fine and coarse sand; gray; 1.30-foot recovery.
30	32	Blow count: 4-2-1-3
		SAND, medium to coarse; trace fine sand; gray-white; 1.30-foot
		recovery.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-46	
PAGE 1 OF 3 PAGES	
LOCATION Rowe Industries property; west of onsite pond near EM Station A-9	SCREEN TYPE
	DIAM. SLOT NO.
DATE COMPLETED May 29, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Continuous split spoon	DEVELOPMENT
OBSERVER Karen Billick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD
REMARKS Water encountered at 7.5 feet below grade.	

DEPTH (FEET) FROM	TO	DESCRIPTION
0	2	Blow count: 2-3-5-5
		Top 0.30 foot; Sand, very fine and silt; organic rich; brown-black.
		Bottom 0.60 foot; SAND, fine to very fine; some silt; trace cobble;
		light brown; 0.90-foot recovery.
2	4	Blow count: 5-4-5-5
		SAND, medium to fine; trace very fine sand and silt; light brown;
		1.40-foot recovery.
4	6	Blow count: 11-5-7-7
		SAND, medium to fine; trace silt and very fine sand; trace fine
		gravel; orange-brown; moist; 1.30-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-46	PAGE 2 OF 3 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
6	8	Blow count: 8-9-13-16
		Top 0.50 foot; SAND, medium to fine; trace coarse sand; tan-brown.
		Middle 0.25 foot; Silty clay; some very fine sand.
		Bottom 0.55 foot; SAND, medium to coarse; fine towards bottom of
		spoon; wet; 1.30-foot recovery.
8	10	Blow count: 17-15-12-13
		SAND, medium to fine; brown; cobble in spoon; 0.35-foot recovery.
10	12	Blow count: 8-14-12-12
		SAND, medium to coarse; trace fine sand; tan-brown; 2.00-foot
		recovery.
12	14	Blow count: 8-8-6-7
		Top 0.65 foot; SAND, medium to coarse; trace fine sand; light brown.
		Bottom 0.65 foot; Sand, very fine and silt; trace clay; silver-gray;
		1.30-foot recovery.
14	16	Blow count: 6-7-6-10
		Top 0.60 foot; SAND, medium; trace fine and coarse sand; light brown.
		Middle 0.20 foot; Silty clay; trace very fine sand; silver-gray.
		Bottom 0.70 foot; SAND, coarse; trace medium sand; gray; 1.50-foot
		recovery.
16	18	Blow count: 11-7-7-8
		Top 0.20 foot; SAND, medium; some fine to very fine sand; gray.
		Middle 0.20 foot; Silty clay; gray; little very fine sand.
		Bottom 1.00 foot; SAND, medium to coarse; trace medium to fine gravel;
		gray; 1.40-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-46	PAGE 3 OF 3 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
18	20	Blow count: 30-23-10-13
		SAND, medium to coarse; trace fine sand near bottom of spoon; gray-
		brown; 1.00-foot recovery.
20	22	Blow count: 11-16-6-11
		Top 0.80 foot; SAND, medium; some fine sand; trace coarse sand;
		tan-brown.
		Bottom 0.20 foot; SAND, medium to fine; gray; 1.00-foot recovery.
22	24	Blow count: 31-22-8-14
		Top 1.20 feet; SAND, medium; little fine; gray.
		Middle 0.10 foot; Sand, very fine and silt.
		Bottom 0.40 foot; SAND, medium to coarse; gray-brown; 1.70-foot
		recovery.
24	26	Blow count: 14-14-10-14
		SAND, medium to very fine; gray-brown; 1.50-foot recovery.
26	28	Blow count: 17-17-12-16
		Top 1.50 feet; SAND, medium to fine; trace very fine sand; gray-brown.
		Bottom 0.50 foot; SAND, fine to medium color transition from gray-
		brown to tan-brown to red-brown to silver-gray back to brown-gray;
		2.00-foot recovery.
28	30	Blow count: 29-19-6-8
		Top 1.50 feet; SAND, medium to fine; gray-brown.
		Bottom 1.50 feet; Silty clay; trace medium to fine sand; gray;
		2.00-foot recovery.
30	32	Blow count: 43-13-7-10
		SAND, medium to coarse; some fine sand; trace silty clay layer

0.25-inch thick throughout; 1.10-foot recovery.

End of borehole.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-47	PAGE 2 OF 4 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
4	6	Blow count: 4-3-3-7
		Top 1.00 foot; Sand, fine and silt; dry; brown.
		Bottom 0.50 foot; SAND, fine to medium; trace silty clay lens in
		middle of interval; brown; wet; 1.50-foot recovery.
6	8	Blow count: 16-17-17-18
		SAND, medium to fine; trace silt; tan-brown; wet; 0.60-foot
		recovery.
8	10	Blow count: 5-6-7-11
		SAND, medium to coarse; brown-tan; 1.00-foot recovery.
10	12	Blow count: 3-5-7-10
		SAND, medium to coarse; little fine to medium gravel, rounded;
		tan-brown; 1.10-foot recovery.
12	14	Blow count: 9-8-9-15
		SAND, medium to coarse; little to some medium to fine gravel; tan-
		brown; 1.20-foot recovery.
14	16	Blow count: 25-19-17-16
		SAND, medium to coarse; some medium to fine gravel; trace cobble;
		light-medium brown; 1.00-foot recovery.
16	18	Blow count: 23-18-31-22
		Top 0.60 foot; SAND, medium to coarse; trace fine gravel; brown-beige.
		Bottom 0.40 foot; SAND, medium to coarse; some medium gravel; trace
		cobble; orange-brown; 1.00-foot recovery.
18	20	Blow count: 11-39-21-20
		Top 0.80 foot; SAND, medium to coarse; brown-beige.
		Bottom 0.30 foot; SAND, medium to coarse; some well rounded gravel;

brown-beige; 1.10-foot recovery.

OWNER	Rowe Industries, Inc.		
WELL NO.	B-47	PAGE 4 OF 4 PAGES	
DEPTH (FEET) FROM	TO	DESCRIPTION	
32	34	Blow count: 26-16-15-16	
		SAND, medium to coarse, trace medium, well rounded gravel; gray-	
		beige; 1.40-foot recovery.	
34	36	Blow count: 33-40-19-15	
		SAND, medium to coarse; gray-beige; 2.00-foot recovery.	
36	38	Blow count: 46-60-22-22	
		SAND, medium to very coarse; little medium gravel; gray-beige;	
		2.00-foot recovery.	
38	40	Blow count: 39-46-14-15	
		SAND, medium to coarse; trace medium to fine gravel; gray-beige;	
		2.00-foot recovery.	
		End of borehole.	

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-48	
PAGE 1 OF 3 PAGES	
LOCATION Lily Pond Road	SCREEN TYPE
Sag Harbor, New York	DIAM. SLOT NO.
DATE COMPLETED June 21, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Split spoon	DEVELOPMENT
OBSERVER Karen Billick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD
REMARKS Water encountered at approximately 22 feet below grade.	

DEPTH (FEET) FROM	TO	DESCRIPTION
2.0	4.0	Blow count: 33-17-11-14
		Top 0.20 foot; Gravel and cobbles.
		Bottom 0.80 foot; SAND, medium; trace fine; dark brown, moist;
		1.00-foot recovery.
8.0	10.0	Blow count: 11-8-8-12
		Top 0.40 foot; SAND, medium to fine; some silt; brown.
		Bottom 1.00 foot; Silty Clay; trace very fine sand bands less than
		0.01-foot thick; red-gray; 1.40-foot recovery.
14.0	16.0	Blow count: 8-6-6-7
		Top 0.40 foot; Clay; very fine sand and silt; red brown.
		Bottom 0.90 foot; SAND, medium; beige with thin brown bands;
		1.30-foot recovery.

OWNER	Rowe Industries, Inc.	
WELL NO.	B-48	PAGE 3 OF 3 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
50.0	52.5	Blow count: 14-4-4-4-6
		SAND, medium to very coarse; some medium gravel; trace very coarse
		gravel; gray; 1.20-foot recovery.
55.0	57.0	Blow count: 60-33-13-12-15
		Sand, medium to very coarse; and medium to coarse gravel; trace fine
		sand and clay; gray; 1.70-foot recovery.
60.0	62.0	Blow count: 44-46-12-11-11
		SAND, medium to very coarse; some medium to fine gravel; trace fine
		sand; silt and clay; gray; 1.40-foot recovery.
65.0	67.0	Blow count: 20-9-12-15-19
		SAND, medium to very coarse; some very coarse gravel; gray; 1.50-foot
		recovery.
	69.5	End of borehole.

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

WILTON, CONNECTICUT

OWNER Rowe Industries, Inc.	
WELL NO. B-49	
PAGE 1 OF 5 PAGES	
LOCATION Noyack Road, Sag Harbor, New York	SCREEN TYPE
	DIAM. SLOT NO.
DATE COMPLETED June 27, 1991	SETTING
DRILLING COMPANY Delta Well and Pump Co., Inc.	SAND PACK
	CASING
DRILLING METHOD Hollow-stem auger	SETTING
SAMPLING METHOD Split spoon	DEVELOPMENT
OBSERVER Karen Billick	DURATION
REFERENCE POINT (RP) Grade	STATIC WATER LEVEL
ELEVATION OF RP	YIELD

REMARKS Water encountered at approximately 10 feet below grade.

DEPTH (FEET) FROM	TO	DESCRIPTION
5.0	7.0	Blow count: 5-4-10-15
		Top 0.20 foot; Sand and silt; organic-rich; dark brown.
		Bottom 1.20 feet; SAND, medium to very fine; trace silt and very fine
		gravel; tan-brown; 1.40-foot recovery.
10.0	12.0	Blow count: 25-27-43-67/4"
		SAND, medium to fine; some very fine gravel; trace coarse sand;
		medium to coarse gravel and crushed cobble; brown; wet; 1.60-foot
		recovery.
15.0	17.0	Blow count: 73-43-48-52
		Top 0.40 foot; WASH; Sand, medium to fine.
		Bottom 1.60 feet; Sand, coarse to very coarse and medium gravel;

OWNER	Rowe Industries, Inc.	
WELL NO.	B-49	PAGE 2 OF 5 PAGES

DEPTH (FEET) FROM	TO	DESCRIPTION
15.0	17.0	trace cobble; less gravel and coarse material at bottom 0.40-foot
		of spoon; brown; 2.00-foot recovery.
20.0	22.0	Blow count: 7-20-7-4
		SAND, medium to very coarse; little medium gravel; brown; 1.60-foot
		recovery.
25.0	27.0	Blow count: 8-18-9-8
		Top 0.35 foot; WASH; Sand, medium to fine.
		Bottom 0.65 foot; SAND, medium to coarse; little fine gravel; trace
		cobble; brown-beige; 1.00-foot recovery.
30.0	32.0	Blow count: 18-30-16-17
		Top 1.10 feet; WASH; Sand, medium to fine.
		Bottom 0.90 foot; SAND, medium to coarse; trace fine gravel; tan-
		beige; 2.00-foot recovery.
35.0	37.0	Blow count: 40-70-100/4"
		Top 0.80 foot; WASH; Sand, medium; trace silt.
		Bottom 1.00 foot; SAND, medium to coarse; trace very coarse sand;
		trace gravel; beige; 1.80-foot recovery.
40.0	42.0	Blow count: 12-41-12-12
		SAND, medium to very coarse; some coarse gravel and fine cobbles at
		bottom of spoon; beige-brown; 1.00-foot recovery.
42.0	44.0	Blow count: 8-32-26-16
		Top 0.20 foot; WASH; Sand, medium to very fine.
		Bottom 0.80 foot; SAND, medium to very coarse; tan; 1.00-foot
		recovery.
44.0	46.0	Blow count: 5-36-42-12

SAND, medium to very coarse; trace silt; beige-brown; 1.15-foot recovery.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

N-6 Well No.

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Carroll St. Noyac

DEPTH OF WELL BELOW SURFACE: Was 62 ft. Now 82 ft.

DEPTH TO GROUND WATER FROM SURFACE*: 12.75 ft.

* LOG
Ground Surface
El. _____ ft. above
A/V _____ ft.
TOP OF WELL

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	20 ft.	ft.	ft.	ft.

SEALING: None

CASINGS REMOVED: No

SCREENS

MAKE: Johnson

OPENINGS: 10/6

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 20'

PUMPING TEST

DATE: 3-20-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER	DIAMETER in.
LENGTH	ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other Hydro

USE OF WATER: Obs

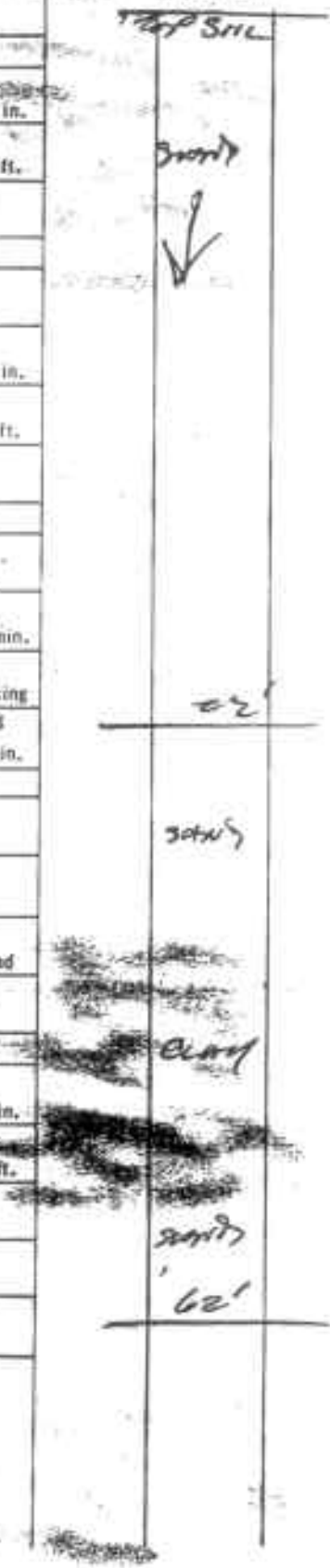
WORK STARTED

COMPLETED: 3-20-84

DATE	DRILLER	REGISTRATION NO.

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

N-7 Well No.

OWNER SCDHS

ADDRESS 225 RABRO DR. HAUPPAUGE

LOCATION OF WELL CARROL St. Noyac

DEPTH OF WELL BELOW SURFACE WAS 67' NOW 22 ft.

DEPTH TO GROUND WATER FROM SURFACE 17.20 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	20 ft.	ft.	ft.	ft.

SEALING WOOD

CASINGS REMOVED 4/0'

SCREENS

MAKE JOHNSON

OPENINGS .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING

PUMPING TEST

DATE 3-26-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 15-20 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other AUGER

USE OF WATER OBV

WORK STARTED 3-26-84 COMPLETED 3-26-84

DATE 3-26-84 DRILLER S. HANSON REGISTRATION NO. 1567

* LOG

Ground Surface El. _____ ft. above se

A/V _____ ft.

TOP OF WELL

TOP SOIL

SAND

SAND

62'

ROCKS

CLAY

SAND

62

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

N-8 Well No.

OWNER SCDHS

ADDRESS 225 RABRO DR. HAUPPAUGE

LOCATION OF WELL CARLOZE ST. NOYAK

DEPTH OF WELL BELOW SURFACE WAS 62' NOW 32 ft.

DEPTH TO GROUND WATER FROM SURFACE 20.62 ft.

CASINGS

DIAMETER	LENGTH
2 in.	30 ft.
in.	ft.
in.	ft.
in.	ft.

SEALING NONE

CASINGS REMOVED 30'

SCREENS

MAKE JOHNSON

OPENINGS .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING 30'

PUMPING TEST

DATE 3-27-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 20 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other AUGER

USE OF WATER OBS

WORK STARTED 3-27-84 COMPLETED 3-27-84

DATE 3-27-84 DRILLER S. HANSEN REGISTRATION NO. 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

* LOG

Ground Surface El. _____ ft. above sea

A ____ ft.
V

TOP OF WELL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-9

OWNER SCDHS

ADDRESS 225 RIVERHEAD DR. HAUPPAUGE

LOCATION OF WELL SMS HARBOR Hwy NORTH

DEPTH OF WELL BELOW SURFACE WAS 82' NOW 22 ft.

DEPTH TO GROUND WATER FROM SURFACE ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	20 ft.	ft.	ft.	ft.

SEALING NONE

CASINGS REMOVED 60'

SCREENS

MAKE HANSON

OPENINGS 1016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING 20

PUMPING TEST

DATE

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 20 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE MAKE MODEL NO.

MOTIVE POWER MAKE H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE

DIAMETER in.

LENGTH ft.

SUCTION LINE

DIAMETER in.

LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other AUGER

USE OF WATER OBS

WORK STARTED COMPLETED

DATE

DRILLER HANSON

REGISTRATION NO. 1567

*LOG

Ground Surface El. _____ ft. above s

A/V _____ ft.

TOP OF WELL

TOP SOIL

SAND

SAND 82'

REMOVED

CLAY

SAND 82

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-10

OWNER Suffolk County Health Services	
ADDRESS 225 Rabro Dr Hauppauge	
LOCATION OF WELL Carroll St Nyac	
DEPTH OF WELL BELOW SURFACE Was 145' Now 40 ft.	DEPTH TO GROUND WATER FROM SURFACE 18.62 ft.

CASINGS

DIAMETER 2 in.	in.	in.	in.
LENGTH 38 ft.	ft.	ft.	ft.
SEALING None		CASINGS REMOVED 105'	

SCREENS

MAKE Johnson		OPENINGS 016	
DIAMETER 2 in.	in.	in.	in.
LENGTH 2 ft.	ft.	ft.	ft.
DEPTH TO TOP FROM TOP OF CASING 38'			

PUMPING TEST

DATE 4-23-84	TEST OR PERMANENT PUMP? Test
DURATION OF TEST days 4 hours	MAXIMUM DISCHARGE 2 gallons per min.
STATIC LEVEL PRIOR TO TEST ft. in. below top of casing	LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing
MAXIMUM DRAWDOWN ft.	Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.
CAPACITY g.p.m. against	ft. of discharge head	
NUMBER BOWLS OR STAGES	ft. of total head	

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.
METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other Boring	USE OF WATER OBV
WORK STARTED 4-23-84	COMPLETED 4-23-84

DATE 4-23-84	DRILLER S. Hansen	REGISTRATION NO. 1567

*LOG

Ground Surface

El. ______ ft. above sea

A/V ______ ft.

TOP OF WELL

Sand & Gravel ↓

40'

Clay 45'

Removed

Sand ↓

145'

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT — LONG ISLAND WELL

Well No. N-11

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Crooked St Noyac

DEPTH OF WELL BELOW SURFACE: Was 120 Now 21 ft.

DEPTH TO GROUND WATER FROM SURFACE: 16.20 ft.

CASINGS

DIAMETER 2 in.	in.	in.	in.
LENGTH 19 ft.	ft.	ft.	ft.

SEALING: None

CASINGS REMOVED: 99'

SCREENS

MAKE: Johnson

OPENINGS: .016

DIAMETER 2 in.	in.	in.	in.
LENGTH 2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 19'

PUMPING TEST

DATE: 4-26-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST: days 5 hours

MAXIMUM DISCHARGE: 5 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE:

MAKE:

MODEL NO.:

MOTIVE POWER:

MAKE:

H.P.:

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE

DIAMETER: in.

LENGTH: ft.

SUCTION LINE

DIAMETER: in.

LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool Jetted? Driven?

USE OF WATER: Obs

WORK STARTED: 4-25-84

COMPLETED: 4-26-84

DATE: 4-26-84

DRILLER: S. Hanson

REGISTRATION NO.: 1567

* LOG

Ground Surface El. ______ ft. above sea

TOP OF WELL

Sand & Gravel

Sand?

21'

Sand?

Removed

120'

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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Suffolk
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-12

OWNER SCDHS

ADDRESS 225 Rabro Dr Hauppauge

LOCATION OF WELL L.I. Long Pond Rd Naylor

DEPTH OF WELL-BELOW SURFACE 43 ft.

DEPTH TO GROUND WATER FROM SURFACE ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	41 ft.	ft.	ft.	ft.

SEALING –

CASINGS REMOVED

SCREENS

MAKE JOHNSON

OPENINGS .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING 41

PUMPING TEST

DATE 5-9-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 12 – 15 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER LEVELS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other AUGER

USE OF WATER OBS

WORK STARTED 5-9-84 COMPLETED 5-7-84

DATE 5-9-84 DRILLER HANSEN REGISTRATION NO. 1567

*LOG

Ground Surface El. _____ ft. above ▲/▼ _____ ft.

TOP OF WELL

*NOTE: Show log of well – materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

DUPLICATE – Retain Ion Copy

S. Hark
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

W-14
Well No.

OWNER SCDHS

ADDRESS 225 Rabro Dr Hauppauge

LOCATION OF WELL Lily Pond Rd Wayne

* LOG

Ground Surface El. _____ ft. above sea

A / V _____ ft.

DEPTH OF WELL BELOW SURFACE	DEPTH TO GROUND WATER FROM SURFACE
22 ft.	10.02 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	20 ft.	ft.	ft.	ft.
SEALING	—	CASINGS REMOVED		

SCREENS

MAKE	JOHNSON	OPENINGS (slots)	.016
DIAMETER	2 in.	in.	in.
LENGTH	2 ft.	ft.	ft.
DEPTH TO TOP FROM TOP OF CASING	20'		

PUMPING TEST

DATE 5-10-84	TEST OR PERMANENT PUMP? TEST
DURATION OF TEST days 2 hours	MAXIMUM DISCHARGE 5-10 gallons per min.
STATIC LEVEL PRIOR TO TEST ft. in. below top of casing	LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing
MAXIMUM DRAWDOWN ft.	Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.
CAPACITY g.p.m. against		ft. of discharge head
NUMBER BOWLS OR STAGES		ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☒ other AUGER	USE OF WATER OBV
WORK STARTED 5-10-84	COMPLETED 5-10-84

DATE	DRILLER	REGISTRATION NO.
5-10-84	HANSEN	1567

TOP OF WELL

Stone

Brown

Sand

22'

***NOTE:** Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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SUFFOLK
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

N-15
Well No.

OWNER SCDHS

ADDRESS 225 Rabro Dr Hauppauge

LOCATION OF WELL Lily Pond Rd Nesconset

DEPTH OF WELL BELOW SURFACE 22 ft.

DEPTH TO GROUND WATER FROM SURFACE 18.40 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	20 ft.	ft.	ft.	ft.

SEALING ~

CASINGS REMOVED

SCREENS

MAKE Johnson

OPENINGS .010

DIAMETER	2 in.	2 in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING

PUMPING TEST

DATE 5-15-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 20 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other Hanson

USE OF WATER OBV

WORK STARTED 5-15-84

COMPLETED 5-15-84

DATE 5-15-84

DRILLER Hanson

REGISTRATION NO. 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

* LOG

Ground Surface

El. _____ ft. above sea

A / V _____ ft.

TOP OF WELL

SAND

GRAVEL

SAND

22

DUPLICATE – Retain Ion Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-76

OWNER: SCDHS

ADDRESS: 225 RABRO DR HAUPPAUGE

LOCATION OF WELL: Stony Hollow Hwy Nesconset

DEPTH OF WELL BELOW SURFACE: 23 ft.

DEPTH TO GROUND WATER FROM SURFACE: 13.33 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21 ft.	ft.	ft.	ft.

SEALING: —

CASINGS REMOVED:

SCREENS

MAKE	JOHNSON		OPENINGS	1016
DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21

PUMPING TEST

DATE: 5-16-84

TEST OR PERMANENT PUMP: TEST

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other HOLLOW

USE OF WATER: OBS

WORK STARTED: 5-16-84 COMPLETED: 5-16-84

DATE: 5-16-84 DRILLER: HANSON REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair jobs. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

* LOG

Ground Surface

El. _____ ft. above sea

A / V _____ ft.

TOP OF WELL

SAND

GRAVEL

SAND

23

ORIGINAL – Environmental Conservation Copy

Suffolk
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

N-17
Well No.

OWNER: SCDHS

ADDRESS: 225 RABRO DR HAUPPAUGE

LOCATION OF WELL: SAG HARBOR HWY Wayne

DEPTH OF WELL BELOW SURFACE: 23 ft.

DEPTH TO GROUNDWATER FROM SURFACE: 10.91 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21 ft.	ft.	ft.	ft.

SEALING: C

CASINGS REMOVED:

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 20

PUMPING TEST

DATE: 5-21-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST: days C hours

MAXIMUM DISCHARGE: 10 - 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time to return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other BULOR

USE OF WATER: OBV

WORK STARTED: 5-21-84

COMPLETED: 5-21-84

DATE: 5-21-84

DRILLER: HANSON

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

* LOG

Ground Surface El. _____ ft. above sea

A/V _____ ft.

TOP OF WELL

SAND

GRAVEL

SAND?

23

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-18

OWNER: SCDAS

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL:

DEPTH OF WELL BELOW SURFACE: 33½ ft.

DEPTH TO GROUND WATER FROM SURFACE: 21.41 ft.

CASINGS

DIAMETER 2 in.	in.	in.	in.
LENGTH 31½ ft.	ft.	ft.	ft.

SEALING: —

CASINGS REMOVED:

SCREENS

MAKE: Johnson

OPENINGS: .016

DIAMETER 2 in.	in.	in.	in.
LENGTH 2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 31½

PUMPING TEST

DATE: 5-22-84

TEST OR PERMANENT PUMP: Test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE: | MAKE: | MODEL NO.:

MOTIVE POWER: | MAKE: | H.P.:

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE

DIAMETER: in.

LENGTH: ft.

SUCTION LINE

DIAMETER: in.

LENGTH:

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other Auger

USE OF WATER: Obs

WORK STARTED: 5-22-84

COMPLETED: 5-22-84

DATE: 5-22-84

DRILLER: Hanson

REGISTRATION NO.: 1567

*LOG

Ground Surface

El. ______ ft. above sea

A / V ______ ft.

TOP OF WELL

Sand

Gravel

Sand

33½

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-19

OWNER SCDHS

ADDRESS 225 Rabro Dr. Hauppauge

LOCATION OF WELL Wayne Rd Wayne

DEPTH OF WELL BELOW SURFACE 22 ft.

DEPTH TO GROUND WATER FROM SURFACE 7.75' ft.

CASINGS

DIAMETER			
2 in.	in.	in.	in.
LENGTH			
20 ft.	ft.	ft.	ft.

SEALING —

CASINGS REMOVED

SCREENS

MAKE Johnson

OPENINGS .016

DIAMETER			
2 in.	in.	in.	in.
LENGTH			
2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING 20'

PUMPING TEST

DATE 5-23-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST days C hours

MAXIMUM DISCHARGE 0 – 2c gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other Hand

USE OF WATER OBV

WORK STARTED 5-23-84

COMPLETED 5-23-84

DATE 5-23-84

DRILLER Hanson

REGISTRATION NO. 1567

*LOG

Ground Surface

El. _____ ft. above s

^ _____ ft.
v

TOP OF WELL

Sand

Boulders

Sand

22'

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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Suffolk
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

N-#20
Well No.

OWNER: SCDHS

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Brick Kiln Rd Southampton

DEPTH OF WELL BELOW SURFACE: 83 ft.

DEPTH TO GROUND WATER FROM SURFACE: 0 ft.

CASINGS

DIAMETER	LENGTH
2 in.	21 ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: —

CASINGS REMOVED: —

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING:

PUMPING TEST

DATE:

TEST OR PERMANENT PUMP?

DURATION OF TEST: 2 hours

MAXIMUM DISCHARGE: 80 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other —

USE OF WATER: OBS

WORK STARTED: 6-3-84

COMPLETED: 6-4-84

DATE: 6-4-84

DRILLER: HANSON

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

* LOG

Ground Surface El. _____ ft. above sea

∧ / ∨ _____ ft.

TOP OF WELL

Sand

Gravel

Sand Clay

Sand

21'

ORIGINAL – Environmental Conservation Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT — LONG ISLAND WELL

Well No. 11-#21

OWNER: SCDHS	
ADDRESS: 225 Rabro Dr Hauppauge	
LOCATION OF WELL: Columbia St [illegible]	
DEPTH OF WELL BELOW SURFACE: 22 ft.	DEPTH TO GROUND WATER FROM SURFACE: 5.49 ft.

CASINGS

DIAMETER: 2 in.	in.	in.	in.
LENGTH: 20 ft.	ft.	ft.	ft.
SEALING		CASINGS REMOVED	

SCREENS

MAKE: Johnson		OPENINGS: .016	
DIAMETER: 2 in.	in.	in.	in.
LENGTH: 2			
DEPTH TO TOP FROM TOP OF CASING: 20			

PUMPING TEST

DATE: 6-4-84	TEST OR PERMANENT PUMP: Test
DURATION OF TEST: days 2 hrs.	MAXIMUM DISCHARGE: 10-15 gallons per min.
STATIC LEVEL PRIOR TO TEST: ft. [illegible] ft. below top of casing	LEVEL DURING [illegible] PUMPING: ft. [illegible] ft. below top of casing
[illegible]	[illegible] pumping

PUMP INSTALLED

[illegible]	[illegible]
MOTIVE POWER [illegible]	
CAPACITY: g.p.m. against	ft. of discharge head
NUMBER BOWLS OR STAGES	ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.
METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other Auger	USE OF WATER: OBV
WORK STARTED: 6-4-84	COMPLETED: 6-4-84

DATE	DRILLER	REGISTRATION No.
6-4-84	Hanson	1567

*** LOG**

Ground Surface
El. _____ ft. above [illegible]

A _____ ft.
V

TOP OF WELL

Sand
Gravel
Sand

22'

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

Suffolk
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-22

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr. Hauppauge

LOCATION OF WELL: Sag Harbor Hwy Sag Harbor

DEPTH OF WELL BELOW SURFACE: Was 120' ~~120~~ ft. Pulled out

DEPTH TO GROUND WATER FROM SURFACE: 15.85 ft.

CASINGS

DIAMETER 2 in.	in.	in.	in.
LENGTH 120 ft.	ft.	ft.	ft.

SEALING: None

CASINGS REMOVED: 120'

SCREENS

MAKE: Johnson

OPENINGS: .016

DIAMETER 2 in.	in.	in.	in.
LENGTH 2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 118'

PUMPING TEST

DATE: 7-31-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST: days 4 hours

MAXIMUM DISCHARGE: Slow gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other Auger

USE OF WATER: Obs

WORK STARTED: 7-30-84

COMPLETED: 7-31-84

DATE	DRILLER	REGISTRATION NO.
7-31-84	Hanson	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

* LOG

Ground Surface El. ______ ft. above sea

A/V ______ ft.

TOP OF WELL

Sand & Gravel

26' Fine Sand

47' Fine Sand & Clay

68' Sandy Clay

89' Clay

110' Sandy Clay

118'

Sand

120'

"Well Pulled out 9-26-84"

ORIGINAL – Environmental Conservation Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No.: N-22-6

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Sag Harbor Hwy Sag Harbor

DEPTH OF WELL BELOW SURFACE: Was 130' Now 17 ft.

DEPTH TO GROUND WATER FROM SURFACE: 13.14 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	16 ft.	ft.	ft.	ft.

SEALING: NA

CASINGS REMOVED: 113'

SCREENS

MAKE: Johnson

OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 15'

PUMPING TEST

DATE: 10-9-84

TEST OR PERMANENT PUMP?: Test

DURATION OF TEST: days 4 hours

MAXIMUM DISCHARGE: 2 To 15 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE: MAKE: MODEL NO.:

MOTIVE POWER: MAKE: H.P.:

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other Auger

USE OF WATER: Obv

WORK STARTED: 10-8-84

COMPLETED: 10-8-84

DATE: 10-9-84

DRILLER: Hanson

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

* LOG

Ground Surface

El. ______ ft. above sea

A/V ______ ft.

TOP OF WELL

Sand Gravel

Fine Sand +

17'

26 Fine Sand

48' Fine Sand & Clay

68' Sandy Clay

90' Clay

110' Sandy Clay

Sand

130'

Removed

DUPLICATE – Retain ion Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-23

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Sag Harbor Hwy Sag Harbor

DEPTH OF WELL BELOW SURFACE: Was 29' Now 10 ft.

DEPTH TO GROUND WATER FROM SURFACE: 5 ft.

CASINGS

DIAMETER	LENGTH
2 in.	8 ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: NONE

CASINGS REMOVED: 11'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING: 8'

PUMPING TEST

DATE: 8-1-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 5 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other Auger

USE OF WATER: OBS

WORK STARTED: 8-1-84

COMPLETED: 8-1-84

DATE: 8-1-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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* LOG

Ground Surface

El. _____ ft. above se

A/V _____ ft.

Suffolk County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-24

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Sag Harbor IND Sag Harbor

DEPTH OF WELL BELOW SURFACE: Was 53' Now 38 ft.

DEPTH TO GROUND WATER FROM SURFACE: 19.33 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	36 ft.	ft.	ft.	ft.

SEALING: PUNS

CASINGS REMOVED: 15'

SCREENS

MAKE: Johnson

OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 36'

PUMPING TEST

DATE: 8-8-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 300 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other Auger

USE OF WATER: CBU

WORK STARTED: 8-7-84 COMPLETED: 8-8-84

DATE: 8-8-84 DRILLER: Hanson REGISTRATION NO.: 1567

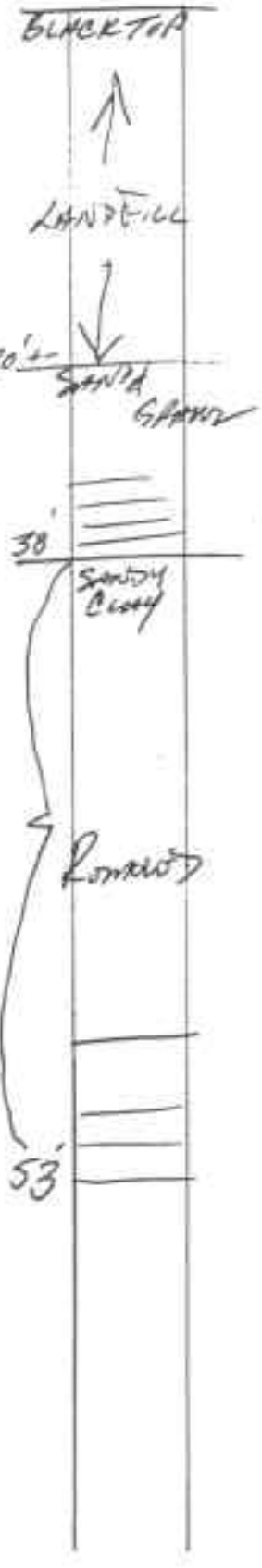
*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

* LOG

Ground Surface El. _____ ft. above sea

∧ / ∨ _____ ft.

TOP OF WELL



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-25

OWNER Suffolk County Health Services

ADDRESS 225 Rabro Dr Hauppauge

LOCATION OF WELL Sag Harbor Ind Sag Harbor

DEPTH OF WELL BELOW SURFACE Was 45' Now 24 ft.

DEPTH TO GROUND WATER FROM SURFACE 16.80 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	22 ft.	ft.	ft.	ft.

SEALING N/A

CASINGS REMOVED 23'

SCREENS

MAKE Johnson

OPENINGS .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING 22

PUMPING TEST

DATE 8-8-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 5 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other Auger

USE OF WATER CBV

WORK STARTED 8-8-84 COMPLETED 8-8-84

DATE 8-8-84 DRILLER Hanson REGISTRATION NO. 1567

* LOG

Ground Surface

El. _____ ft. above sea

A _____ ft.

V

TOP OF WELL

Blacktop

Land Fill

10'±

Sand

24'

Rounded

45'

Sandy Clay

***NOTE:** Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

DUPLICATE – Retain Ion Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk
County

COMPLETION REPORT – LONG ISLAND WELL N-26

Well No.

OWNER Suffolk County Health Services

ADDRESS 225 Lassie Dr Hauppauge

LOCATION OF WELL Sags Harbor, ND

DEPTH OF WELL BELOW SURFACE Was 45' Now 23 ft.

DEPTH TO GROUND WATER FROM SURFACE 16.00 ft.

CASINGS

DIAMETER	7 in.	in.	in.	in.
LENGTH	21 ft.	ft.	ft.	ft.

SEALING N/A

CASINGS REMOVED 22

SCREENS

MAKE Johnson

OPENINGS .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING 21'

PUMPING TEST

DATE ~~8-13-84~~ 8-13-84

TEST OR PERMANENT PUMP? TEST

DURATION OF TEST days 2 hours

MAXIMUM DISCHARGE 20 gallons per min.

STATIC LEVEL PRIOR TO TEST ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☑ other Auger

USE OF WATER CGW

WORK STARTED 8-13-84

COMPLETED 8-13-84

DATE 8-13-84

DRILLER Hanson

REGISTRATION NO. 1567

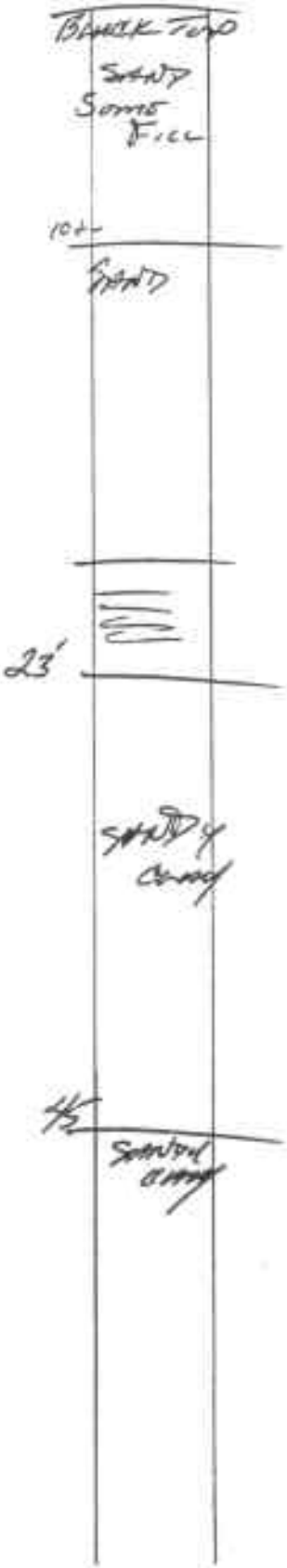
* LOG

Ground Surface

El. _____ ft. above sea

∧ _____ ft.
∨

TOP OF WELL



*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Suffolk County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-27

OWNER: Suffolk County Health Services

ADDRESS: 225 Rabro Dr Hauppauge

LOCATION OF WELL: Stls Harbor Ind Stls Harbor

* LOG

Ground Surface El. _____ ft. above sea

∧ / ∨ _____ ft.

TOP OF WELL

DEPTH OF WELL BELOW SURFACE: Was 45' Now 23 ft.

DEPTH TO GROUND WATER FROM SURFACE: 16.13 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21 ft.	ft.	ft.	ft.

SEALING: N/A

CASINGS REMOVED: 22'

SCREENS

MAKE: Johnson

OPENINGS: 1016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21

PUMPING TEST

DATE: 8-15-84

TEST OR PERMANENT PUMP? Test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☑ other Hudson

USE OF WATER: CBV

WORK STARTED: 8-15-84 COMPLETED: 8-15-84

DATE: 8-15-84 DRILLER: Hanson REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

SUFFOLK
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-28

OWNER: SUFFOLK COUNTY HEALTH SERVICES

ADDRESS: 225 RABRO DR. HAUPPAUGE

LOCATION OF WELL: SAG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE: WAS 45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE: 18' ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21' ft.	ft.	ft.	ft.

SEALING: n/a

CASINGS REMOVED: 22'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21'

PUMPING TEST

DATE: 8-20-84

TEST OR PERMANENT PUMP? test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 2 to 5 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE: MAKE: MODEL NO.:

MOTIVE POWER: MAKE: H.P.:

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE

DIAMETER: in.

LENGTH: ft.

SUCTION LINE

DIAMETER: in.

LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 8-20-84

COMPLETED: 8-20-84

DATE: 8-20-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

* LOG

Ground Surface

El. ______ ft. above se

^ ______ ft.
v

TOP OF WELL

BLACKTOP

SAND

5' SOME LAND FILL

10' SAND & GRAVEL

23' FINE SANDY CLAY

REMOVED

45' SANDY CLAY

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK County

COMPLETION REPORT – LONG ISLAND WELL

N-29 Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE
18' ft.

CASINGS

DIAMETER	LENGTH
2 in.	21' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: n/a

CASINGS REMOVED: 22'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21'

PUMPING TEST

DATE: 8-20-84

TEST OR PERMANENT PUMP: TEST

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 5 to 15 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 8-20-84

COMPLETED: 8-20-84

DATE	DRILLER	REGISTRATION NO.
8-20-84	HANSEN	1567

*LOG

Ground Surface El. _____ ft. above se

A / V _____ ft.

TOP OF WELL

BLACKTOP

SAND

23' FINE SAND

45' SANDY CLAY

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

DUPLICATE – Retain Top Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-30
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE
17.73' ft.

CASINGS

DIAMETER	LENGTH
2 in.	21' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING
n/a

CASINGS REMOVED
22'

SCREENS

MAKE
JOHNSON

OPENINGS
.016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING
21'

PUMPING TEST

DATE
8-22-84

TEST OR PERMANENT PUMP?
TEST

DURATION OF TEST
days 2 hours

MAXIMUM DISCHARGE
0 to 20 gallons per min.

STATIC LEVEL PRIOR TO TEST
ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING
ft. in. below top of casing

MAXIMUM DRAWDOWN
ft.

Approximate time of return to normal level after cessation of pumping
hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY
g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES
ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING
☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER
OBV.

WORK STARTED
8-22-84

COMPLETED
8-22-84

DATE
8-22-84

DRILLER
HANSEN

REGISTRATION NO.
1567

* LOG
Ground Surface
El. _____ ft. above sea

A
V

TOP OF WELL

SAND

SAND
SOME GRAVEL

SAND

23' FINE SAND

REMOVED

45' SANDY CLAY

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-31
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE
20.87' ft.

CASINGS

DIAMETER	LENGTH
2 in.	21' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING
n/a

CASINGS REMOVED
22'

SCREENS

MAKE
JOHNSON

OPENINGS
.016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING
21'

PUMPING TEST

DATE
8-23-84

TEST OR PERMANENT PUMP?
TEST

DURATION OF TEST
days 2 hours

MAXIMUM DISCHARGE
0 to 20 gallons per min.

STATIC LEVEL PRIOR TO TEST
ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING
ft. in. below top of casing

MAXIMUM DRAWDOWN
ft.

Approximate time of return to normal level after cessation of pumping
hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY
g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES
ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING
☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER
OBV.

WORK STARTED
8-22-84

COMPLETED
8-23-84

DATE	DRILLER	REGISTRATION NO.
8-23-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

DUPLICATE – Retain Ion Copy

* LOG
Ground Surface
El. _____ ft. above se

A / V _____ ft.
TOP OF WELL

BLACKTOP

SAND
2' SOME FILL

SAND &
5' GRAVEL

23' FINE SAND

REMOVED

45' SANDY CLAY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-32
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR IND SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 33 ft.

DEPTH TO GROUND WATER FROM SURFACE
23.58' ft.

CASINGS

DIAMETER			
2 in.	in.	in.	in.
LENGTH			
31' ft.	ft.	ft.	ft.

SEALING: n/a

CASINGS REMOVED: 12'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER			
2 in.	in.	in.	in.
LENGTH			
2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 31'

PUMPING TEST

DATE: 9-10-84

TEST OR PERMANENT PUMP?: TEST

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 0 to 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER: in.	DIAMETER: in.
LENGTH: ft.	LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 9-10-84

COMPLETED: 9-10-84

DATE	DRILLER	REGISTRATION NO.
9-10-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

DUPLICATE – Retain Ion Copy

* LOG

Ground Surface

El. _____ ft. above sea

A _____ ft.
V

TOP OF WELL

BLACKTOP

SAND& GRAVEL

20' SAND

33' FINE SAND

REMOVED

45' SANDY CLAY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-33
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABBO DR. HAUPPAUGE

LOCATION OF WELL
SSG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 28' ft.

DEPTH TO GROUND WATER FROM SURFACE
14.88' ft.

CASINGS

DIAMETER	LENGTH
2 in.	21' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: n/a

CASINGS REMOVED: 22'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21'

PUMPING TEST

DATE: 9-10-84

TEST OR PERMANENT PUMP? test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 9-10-84

COMPLETED: 9-10-84

DATE	DRILLER	REGISTRATION NO.
9-10-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

* LOG

Ground Surface

El. _____ ft. above se

A/V _____ ft.

TOP OF WELL

BLACKTOP

SAND

5' SAND & GRAVEL

23' FINE SAND

REMOVED

45' SANDY CLAY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

Well No. N-34

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR IND. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE
18.38' ft.

CASINGS

DIAMETER	LENGTH	SEALING	CASINGS REMOVED
2 in.	21' ft.	n/a	22'

SCREENS

MAKE	OPENINGS	DIAMETER	LENGTH
JOHNSON	.016	2 in.	2 ft.

DEPTH TO TOP FROM TOP OF CASING
21'

PUMPING TEST

DATE	TEST OR PERMANENT PUMP?
9-12-84	test

DURATION OF TEST	MAXIMUM DISCHARGE
days 2 hours	20 gallons per min.

STATIC LEVEL PRIOR TO TEST	LEVEL DURING MAXIMUM PUMPING
ft. in. below top of casing	ft. in. below top of casing

MAXIMUM DRAWDOWN ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER
OBV.

WORK STARTED	COMPLETED
9-12-84	9-12-84

DATE	DRILLER	REGISTRATION NO.
9-12-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

DUPLICATE – Retain Ion Copy

* LOG

Ground Surface El. _____ ft. above se

A/V _____ ft.

TOP OF WELL

BLACKTOP

SAND

5' SANDS& GRAVEL

23' FINE SAND

REMOVED

45' SANDY CLAY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-35
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR HWY. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 32' ft.

DEPTH TO GROUND WATER FROM SURFACE
19.46' ft.

CASINGS

DIAMETER	LENGTH
2 in.	30 ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: n/a

CASINGS REMOVED: 23'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING: 30'

PUMPING TEST

DATE: 9-25-84

TEST OR PERMANENT PUMP? test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 20 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 9-24-84

COMPLETED: 9-24-84

DATE: 9-25-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

* LOG

Ground Surface

El. _____ ft. above sea

A/V _____ ft.

TOP OF WELL

SAND

5' SAND & GRAVEL

32' SAND

REMOVED

45' SANDY CLAY

***NOTE:** Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-36
Appl. No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES
ADDRESS 225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR HWY. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 32 ft.

DEPTH TO GROUND WATER FROM SURFACE
19.46' ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	31 ft.	ft.	ft.	ft.

SEALING: n/a
CASINGS REMOVED: 23'

SCREENS

MAKE: JOHNSON
OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 31'

PUMPING TEST

DATE
TEST OR PERMANENT PUMP?
DURATION OF TEST: days hours
MAXIMUM DISCHARGE: gallons per min.
STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing
LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing
MAXIMUM DRAWDOWN: ft.
Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head
NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER
USE OF WATER: OBV.
WORK STARTED: 9-25-84
COMPLETED: 9-25-84

DATE	DRILLER	REGISTRATION NO.
9-25-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports, Pages 5 - 7.

DUPLICATE – Retain Ion Copy

* LOC
Ground Surface
El. _____ ft. above se
A _____ ft.
V

TOP OF WELL
SAND
5' SAND & GRAVEL
32' SAND
REMOVED
45' SAND

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK
County

COMPLETION REPORT – LONG ISLAND WELL

N-37
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR HWY. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS40' NOW 25' ft.

DEPTH TO GROUND WATER FROM SURFACE
23.67' ft.

CASINGS

DIAMETER	LENGTH
2 in.	23' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING: n/a

CASINGS REMOVED: 15'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING: 23'

PUMPING TEST

DATE

TEST OR PERMANENT PUMP?

DURATION OF TEST: days hours

MAXIMUM DISCHARGE: gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 8-30-84

COMPLETED: 8-30-84

DATE: 8-30-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

* LOG

Ground Surface

El. _____ ft. above sea

A/V _____ ft.

TOP OF WELL

FINE SAND

2' SAND & GRAVEL

25' SAND

REMOVED

40' SAND

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK

COMPLETION REPORT - LONG ISLAND WELL

N-38

OWNER: SUFFOLK COUNTY HEALTH SERVICES

ADDRESS: 225 RABRO DR. HAUPPAUGE

LOCATION OF WELL: SAG HARBOR HWY. SAG HARBOR

DEPTH OF WELL BELOW SURFACE: WAS 45' NOW 30 ft.

DEPTH TO GROUND WATER FROM SURFACE: 23.72' ft.

CASINGS

DIAMETER: 2 in.

LENGTH: 28 ft.

SEALING: n/a

CASINGS REMOVED: 15'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER: 2 in.

LENGTH: 2 ft.

DEPTH TO TOP FROM TOP OF CASING: 28'

PUMPING TEST

DATE: 9-6-84

TEST OR PERMANENT PUMP: test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 5 to 15 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE: MAKE: MODEL NO.:

MOTIVE POWER: MAKE: H.P.:

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE

DIAMETER: in.

LENGTH: ft.

SUCTION LINE

DIAMETER: in.

LENGTH: ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 9-6-84

COMPLETED: 9-6-84

DATE: 9-6-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

* LOG

Ground Surface

EL. ft. above sea level

TOP OF WELL

FINE SAND

2' SAND & GRAVEL

10' SAND

30' FINE SAND

REMOVED

45' SANDY CLAY

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL — Environmental Conservation Copy

SUFFOLK
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

N-39
W. O. No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR HWY. HAUPPAUGE

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 33 ft.

DEPTH TO GROUND WATER FROM SURFACE
20.21' ft.

CASINGS

DIAMETER	LENGTH
2 in.	31' ft.
in.	ft.
in.	ft.
in.	ft.

SEALING
n/a

CASINGS REMOVED
12'

SCREENS

MAKE
JOHNSON

OPENINGS
.016

DIAMETER	LENGTH
2 in.	2 ft.
in.	ft.
in.	ft.
in.	ft.

DEPTH TO TOP FROM TOP OF CASING
31'

PUMPING TEST

DATE
9-20-84

TEST OR PERMANENT PUMP?
test

DURATION OF TEST
days 2 hours

MAXIMUM DISCHARGE
10 to 20 gallons per min.

STATIC LEVEL PRIOR TO TEST
ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING
ft. in. below top of casing

MAXIMUM DRAWDOWN
ft.

Approximate time of return to normal level after cessation of pumping
hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY
g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES
ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING
☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER
OBV.

WORK STARTED
9-20-84

COMPLETED
9-20-84

DATE	DRILLER	REGISTRATION NO.
9-20-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports Pages 5 - 7.

DUPLICATE – Retain Ion Copy

* LOG
Ground Surface
El. _____ ft. above sea level
A/V _____ ft.
TOP OF WELL

FINE SAND

2' SAND & GRAVEL

10' SAND

33' FINE SAND

REMOVED

45' SANDY CLAY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUFFOLK

COMPLETION REPORT – LONG ISLAND WELL N-40

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
SAG HARBOR HWY. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 23'

DEPT. TO GROUND WATER FROM SURFACE
17.63' ft.

* LOC
Ground Surface
El. _____ ft. above sea
A _____ ft.
V

TOP OF SAND

FINE SAND

2' SAND & GRAVEL

10' SAND

23' SAND

33' FINE SAND

REMOVED

45' SANDY CLAY

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21' ft.	ft.	ft.	ft.
DEPTH SET	n/a	CASING REMOVED	21'	

SCREENS

MAKE	JOHNSON	OPENINGS	.016	
DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21'

PUMPING TEST

DATE	9-24-84	TEST OR PERMANENT PUMP?	test
DURATION OF TEST	days 2 hours	MAXIMUM DISCHARGE	15 gallons per min.
STATIC LEVEL PRIOR TO TEST	ft. in. below top of casing	LEVEL DURING MAXIMUM PUMPING	ft. in. below top of casing
MAXIMUM DRAWDOWN	ft.	Approximate time of return to normal level after cessation of pumping	hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.	
MOTIVE POWER	MAKE	H.P.	
CAPACITY	g.p.m. against	ft. of discharge head	
NUMBER BOWLS OR STAGES		ft. of total head	

DROP LINE		SUCTION LINE	
DIAMETER	in.	DIAMETER	in.
LENGTH	ft.	LENGTH	ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED	COMPLETED
9-24-84	9-24-84

DATE	DRILLER	REGISTRATION NO.
9-24-84	HANSEN	1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

SUFFOLK
County

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COMPLETION REPORT – LONG ISLAND WELL

N-41
Well No.

OWNER
SUFFOLK COUNTY HEALTH SERVICES

ADDRESS
225 RABRO DR. HAUPPAUGE

LOCATION OF WELL
LILY POND RD. SAG HARBOR

DEPTH OF WELL BELOW SURFACE
WAS 45' NOW 23' ft.

DEPTH TO GROUND WATER FROM SURFACE
6 ft.

CASINGS

DIAMETER	2 in.	in.	in.	in.
LENGTH	21' ft.	ft.	ft.	ft.

SEALING: n/a

CASINGS REMOVED: 22'

SCREENS

MAKE: JOHNSON

OPENINGS: .016

DIAMETER	2 in.	in.	in.	in.
LENGTH	2 ft.	ft.	ft.	ft.

DEPTH TO TOP FROM TOP OF CASING: 21'

PUMPING TEST

DATE: 10-11-84

TEST OR PERMANENT PUMP? test

DURATION OF TEST: days 2 hours

MAXIMUM DISCHARGE: 15 gallons per min.

STATIC LEVEL PRIOR TO TEST: ft. in. below top of casing

LEVEL DURING MAXIMUM PUMPING: ft. in. below top of casing

MAXIMUM DRAWDOWN: ft.

Approximate time of return to normal level after cessation of pumping: hrs. min.

PUMP INSTALLED

TYPE	MAKE	MODEL NO.
MOTIVE POWER	MAKE	H.P.

CAPACITY: g.p.m. against ft. of discharge head

NUMBER BOWLS OR STAGES: ft. of total head

DROP LINE	SUCTION LINE
DIAMETER in.	DIAMETER in.
LENGTH ft.	LENGTH ft.

METHOD OF DRILLING: ☐ rotary ☐ cable tool ☒ other AUGER

USE OF WATER: OBV.

WORK STARTED: 10-11-84

COMPLETED: 10-11-84

DATE: 10-11-84

DRILLER: HANSEN

REGISTRATION NO.: 1567

*NOTE: Show log of well - materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See Instructions as to Well Drillers' Certificates of Registration and Reports. Pages 5 - 7.

ORIGINAL – Environmental Conservation Copy

* LOG

Ground Surface
El. _____ ft. above sea

A / V _____ ft.

TOP OF WELL

FINE SAND

2' SAND

23' SAND

REMOVED

45' FINE SAND

THEODORE F. SQUIRES, L.S. (1903-1988)
NO. 19683
JOHN I. HOLDEN, P.E., L.S. (CONSULTANT)
NO. 22118
KARL W. WEISENBACHER, L.S.
NO. 28193
ROBERT A. SMITH, L.S.
NO. 49239
LESTER HOLDEN, L.S.
NO. 49548

Member: N. Y. State Society of Professional Engineers
American Congress of Surveying and Mapping
Nassau-Suffolk Civil Engineers, Inc.
N. Y. State Assoc. of Professional Land Surveyors

Squires, Holden, Weisenbacher & Smith
Land Surveyors - Land Planners - Engineers
46 JAGGER LANE – BOX 1013
SOUTHAMPTON, N. Y. 11969
(516) 283-0412
FAX (516) 283-7148

NABISCO BRANDS, INC., SAG HARBOR, NEW YORK

Off-Site Test Point Elevations *

ITEM	ELEVATION
N-19	10.65 Ft.
N-20	5.00 Ft.
N-6	17.36 Ft.
N-11	23.10 Ft.
M.W.4	22.86 Ft.
M.W.5	23.01 Ft.
M.W.6	23.10 Ft.
N-16	19.92 Ft.
N-17	17.57 Ft.
M.W.1	22.82 Ft.
M.W.2	23.05 Ft.
M.W.3	23.00 Ft.
N-36	26.27 Ft.
N-39	27.19 Ft.
N-40	25.11 Ft.

* Elevations based on National Geodetic Vertical Datum of 1929.

PROFESSIONAL LAND SURVEYOR
LESTER HOLDEN
Lic. No. 49548
University of the State of New York

Lester Holden L.S.No. 49548

THEODORE F. SQUIRES, L.S. (1903-1986)
NO. 19683
JOHN I. HOLDEN, P.E., L.S. (CONSULTANT)
NO. 22118
KARL W. WEISENBACHER, L.S.
NO. 38195
ROBERT A. SMITH, L.S.
NO. 48339
LESTER HOLDEN, L.S.
NO. 49548

Member: N. Y. State Society of Professional Engineers
American Congress of Surveying and Mapping
Nassau-Suffolk Civil Engineers, Inc.
N. Y. State Assoc. of Professional Land Surveyors

Squires, Holden, Weisenbacher & Smith
Land Surveyors - Land Planners - Engineers
46 JAGGER LANE – BOX 1013
SOUTHAMPTON, N. Y. 11969

(516) 283-0412
FAX (516) 283-7148

NABISCO BRANDS, INC., SAG HARBOR, NEW YORK

On-Site Test Point Elevation *

ITEM	ELEVATION
N-37	31.47 Ft.
N-24	27.24 Ft.
N-25	25.44 Ft.
N-26	25.18 Ft.
N-27	24.90 Ft.
N-28	26.76 Ft.
N-33	22.43 Ft.
N-32	32.12 Ft.
N-31	28.91 Ft.
N-23	12.89 Ft.

* Elevations based on National Geodetic Vertical Datum of 1929.

PROFESSIONAL LAND SURVEYOR
LESTER HOLDEN
Lic. No. 49548
University of the State of New York

Lester Holden

Lester Holden, L.S. No. 49548

THEODORE F. SQUIRES, L.S. (1903-1988)
NO. 18868
JOHN I. HOLDEN, P.E., L.S. (CONSULTANT)
NO. 22118
KARL W. WEISENBACHER, L.S.
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NO. 48238
LESTER HOLDEN, L.S.
NO. 48848

Member: N.Y. State Society of Professional Engineers
American Congress of Surveying and Mapping
Nassau-Suffolk Civil Engineers, Inc.
N.Y. State Assoc. of Professional Land Surveyors

Squires, Holden, Weisenbacher & Smith

Land Surveyors - Land Planners - Engineers

46 JAGGER LANE – BOX 1013
SOUTHAMPTON, N.Y. 11969

(516) 283-0412
FAX (516) 283-7148

March 30th, 1990

Leggette, Brashears & Graham, Inc.
72 Danbury Road
Wilton, CT 06897

Attention: Karen Billick

Dear Karen;

As per our telephone conversation of today, the elevations at the locations you had requested are as follows:

1.) Top of headwall, east side of Bridgehampton-Sag Harbor Tpk. = 8.66 ft.

2.) Stream bed, east side of Bridgehampton-Sag Harbor Tpk. = 5.8 ft.

3.) Top of headwall, west side of Bridgehampton-Sag Harbor Tpk. = 8.58 ft.

4.) Stream bed, west side of Bridgehampton-Sag Harbor Tpk. = 4.0 ft.

If you have any further questions or comments, please feel free to contact me.

Very truly yours,

Lester Holden, L.S.

LH/rms

APPENDIX IV

Geophysical Logs for Pilot Boreholes

GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

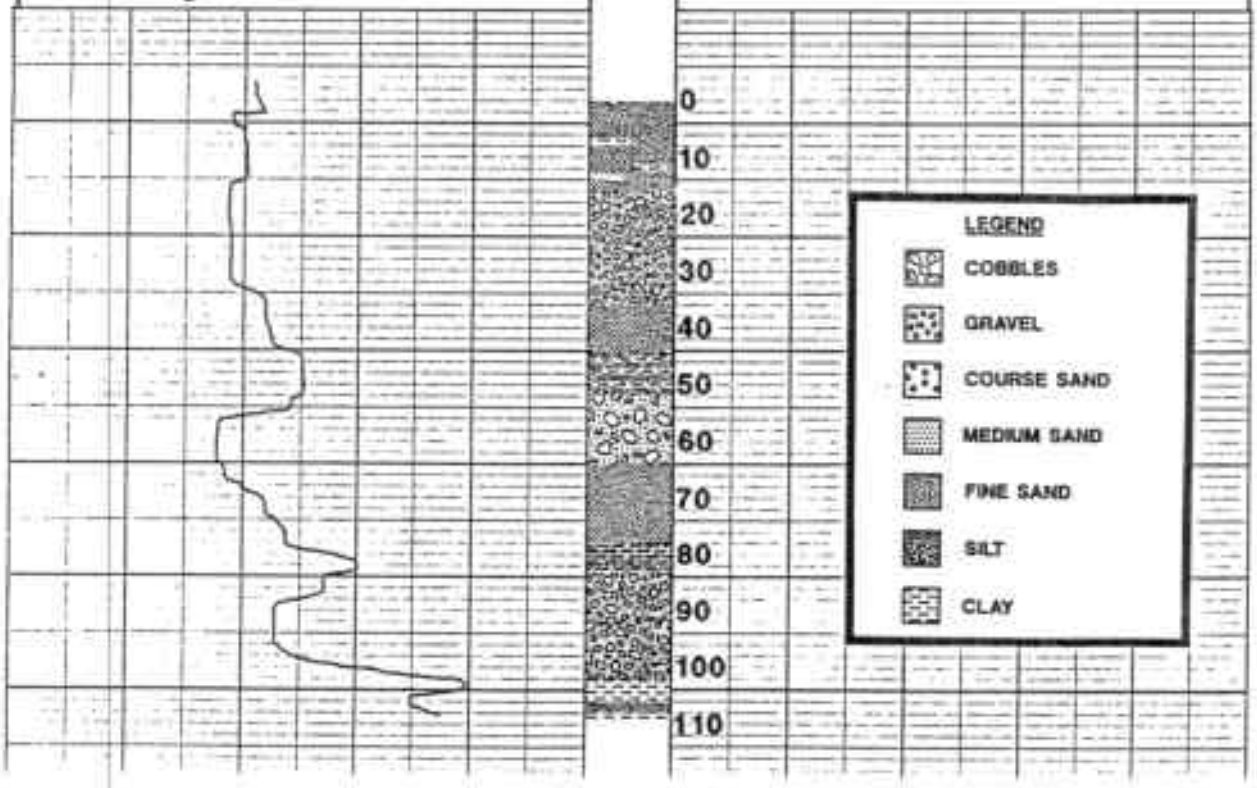
OWNER Nabisco Brands, Inc.
LOCATION Gingerbread Bake Shop Parking Lot

WELL NO. B42
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 111 feet below grade
DEPTH LOGGED 109 feet below grade
DEPTH SCALE 20 feet per inch
LOGGED BY R. Lamonica; K. Billick

DATE October 4, 1989
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION 23 feet above mean sea level
CASING 3 1/4-inch inside diameter augers
HOLE DIAMETER 6 1/2 inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B42

Scale: 5 cycles per second
Time Constant: 10 counts per second
Logging Rate: 25 feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

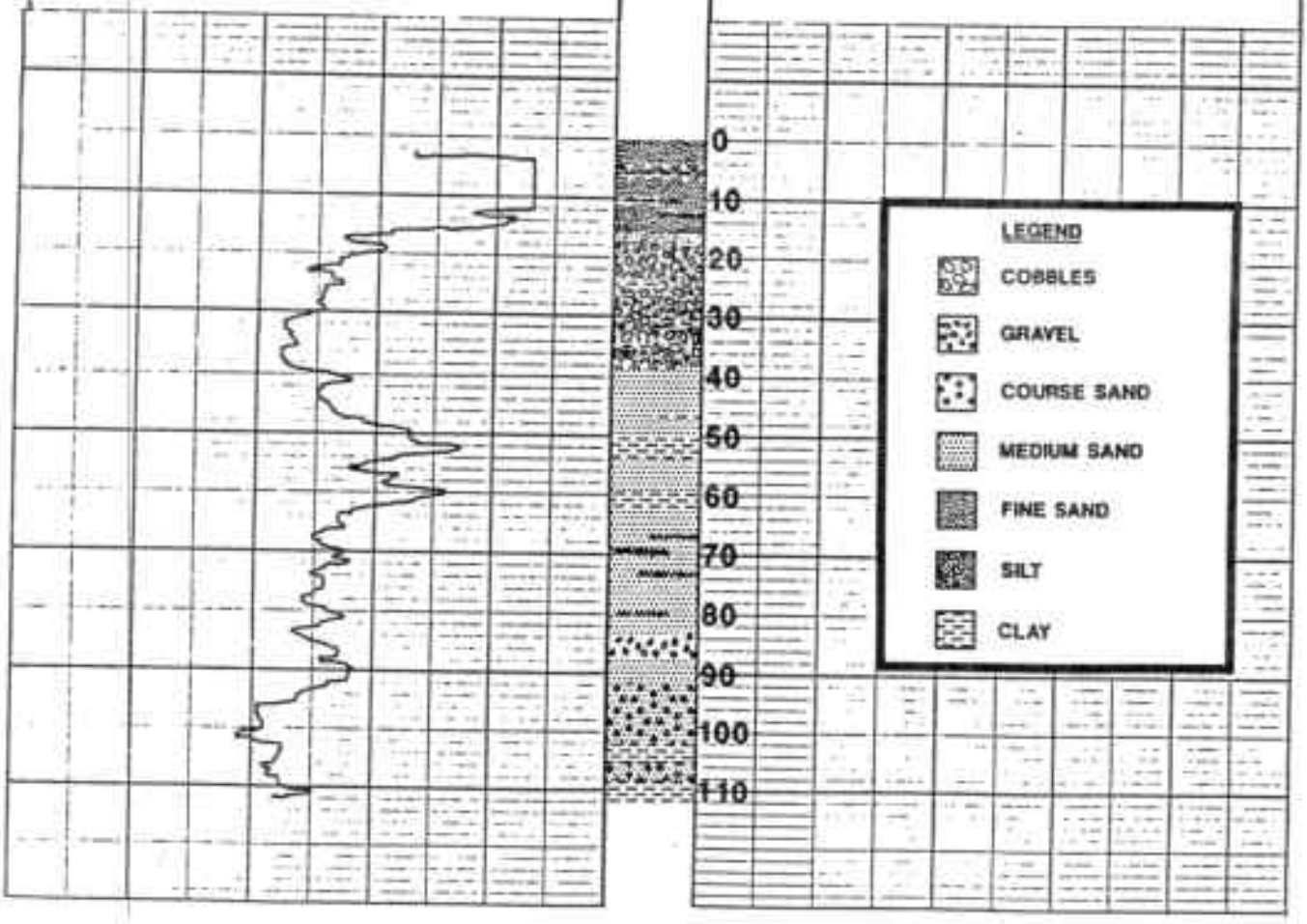
OWNER Nabisco Brands, Inc.
LOCATION Carroll Street

WELL NO. B43
DRILLING METHOD Hollow-stem augers
DEPTH DRILLED 112 feet below grade
DEPTH LOGGED 111 feet below grade
DEPTH SCALE 20 feet per inch
LOGGED BY J. Lennox; K. Billick

DATE October 12, 1989
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION 23 feet above mean sea level
CASING 3 1/4-inch inside diameter augers
HOLE DIAMETER 6 1/2 inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B43

Scale: 5 cycles per second
Time Constant: 10 counts per second
Logging Rate: 25 feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

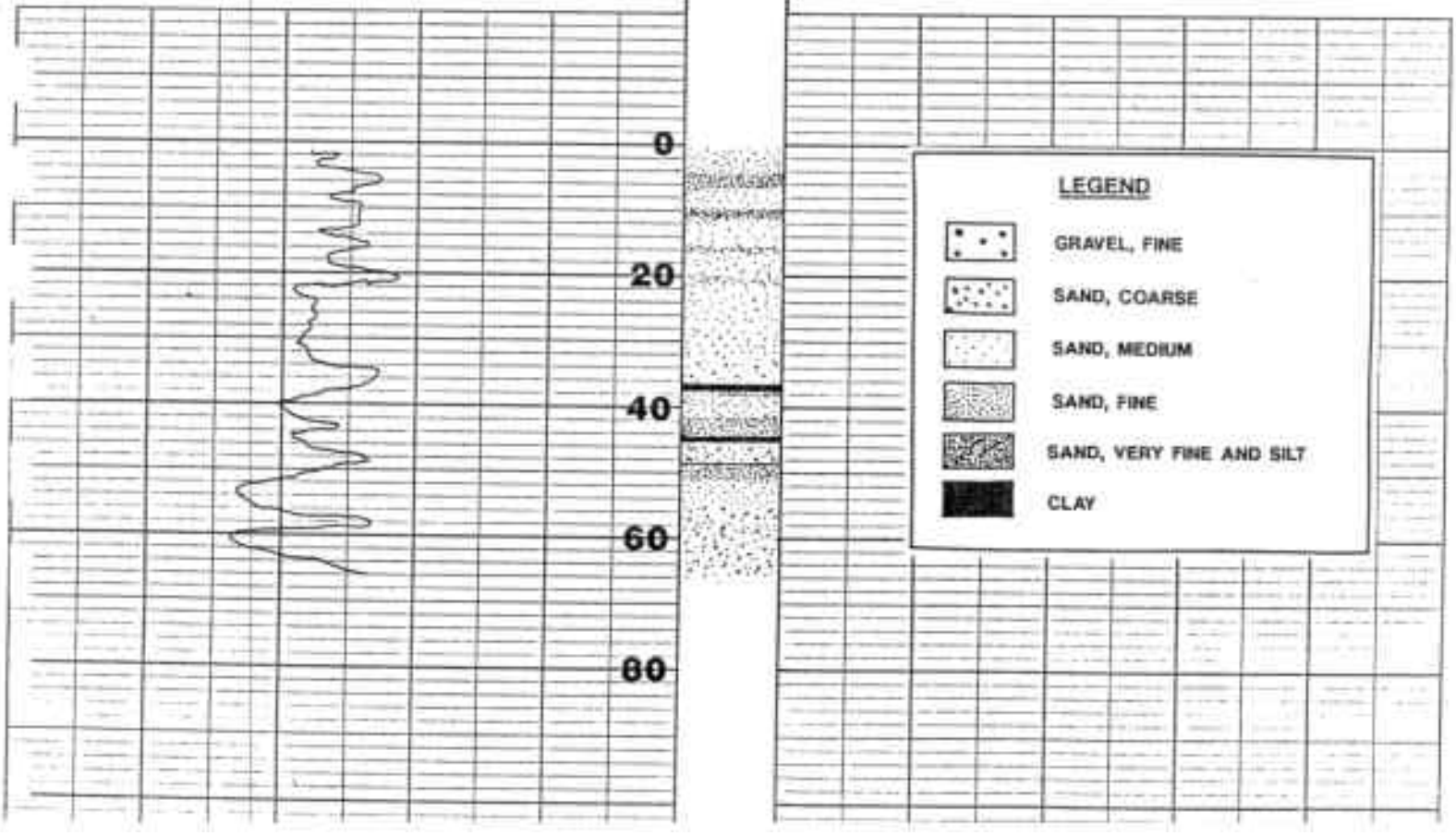
OWNER Nabisco Brands, Inc.
LOCATION North Parking Lot of SHI Property

WELL NO. B-44
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 69 Feet below grade
DEPTH LOGGED 66 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE June 3, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inch inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-44

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

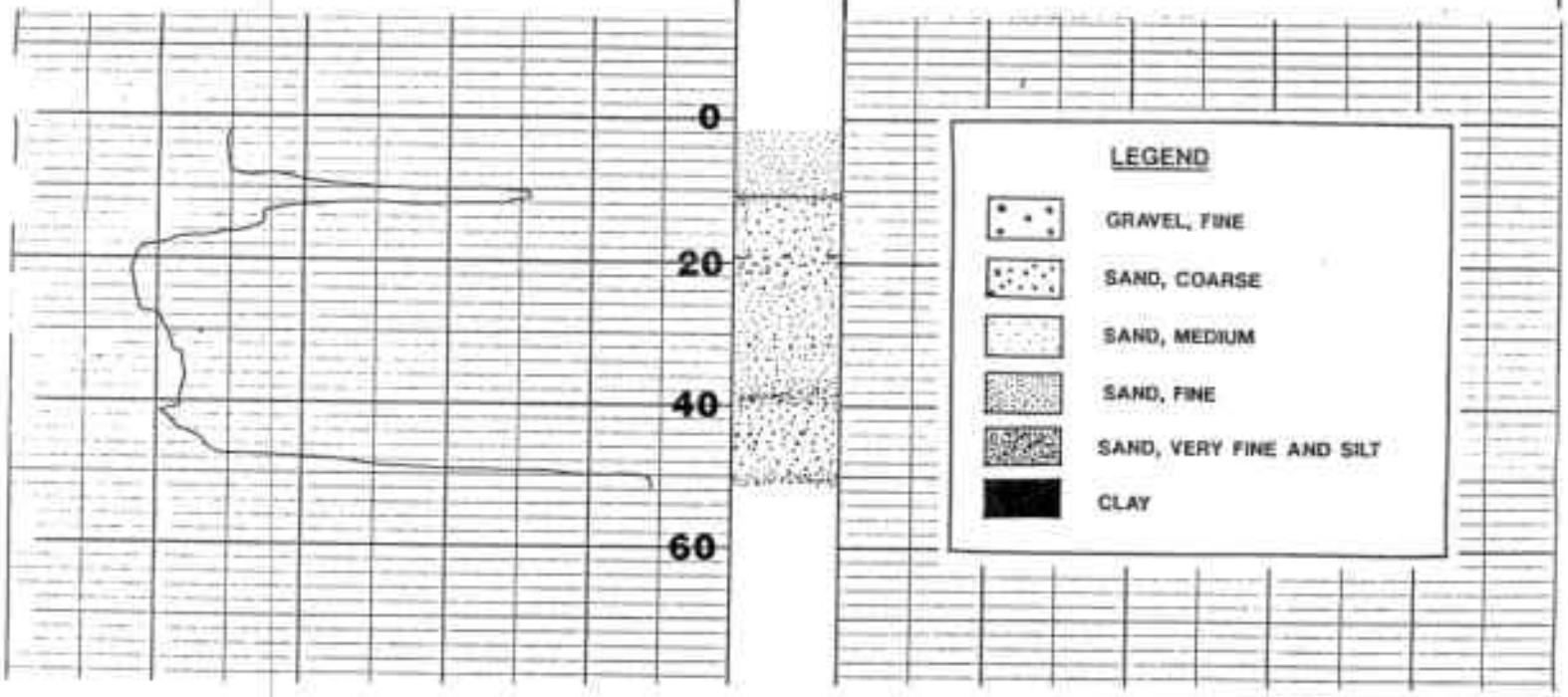
OWNER Nabisco Brands, Inc.
LOCATION North of Former Drum Storage Area

WELL NO. B-45
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 52 Feet below grade
DEPTH LOGGED 50 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE May 22, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inch inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-45

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

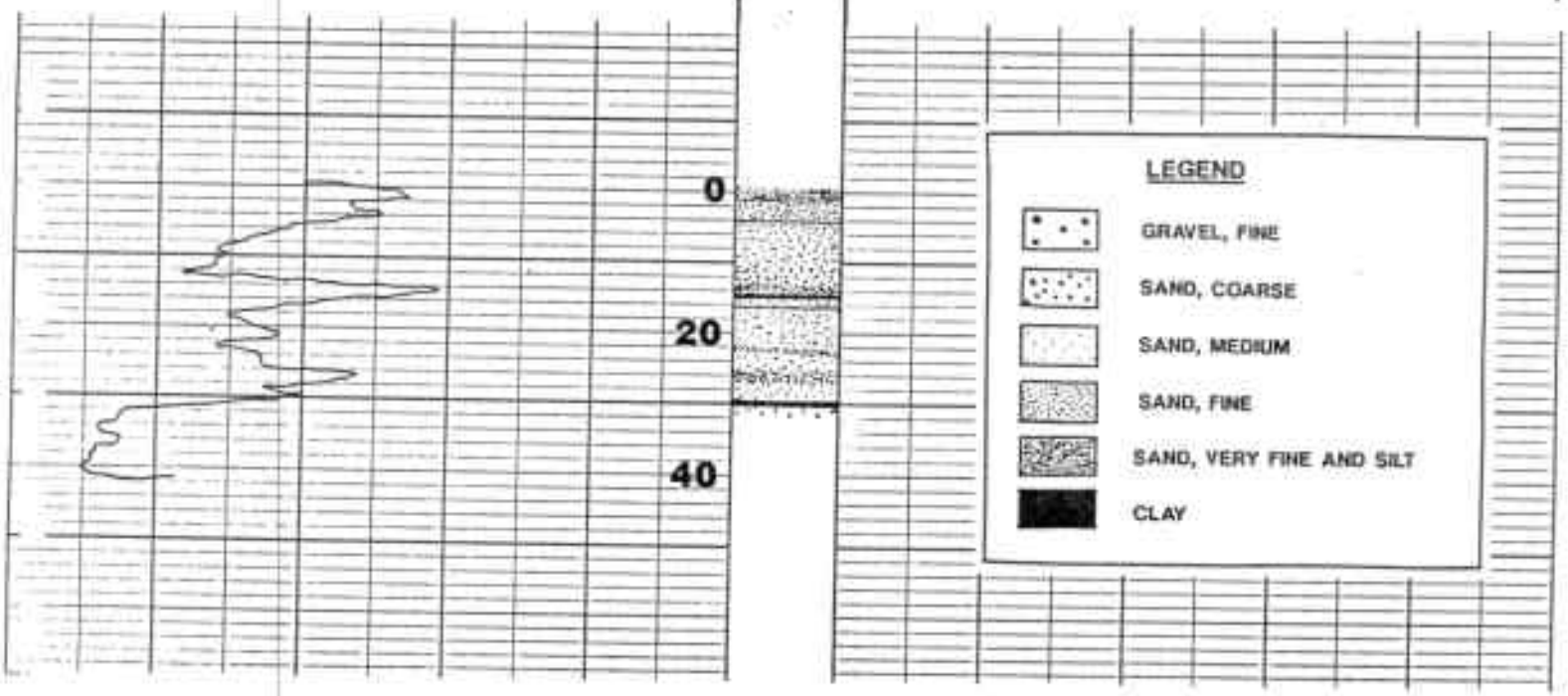
OWNER Nabisco Brands, Inc.
LOCATION West of Dry Well A

WELL NO. MW-46B
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 42.5 Feet below grade
DEPTH LOGGED 42.5 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE June 18, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 6-Inch inside diameter augers
HOLE DIAMETER 10 1/2 Inches (outside diameter of auger flights)
REMARKS Monitor Well

GAMMA RAY MW-46B

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

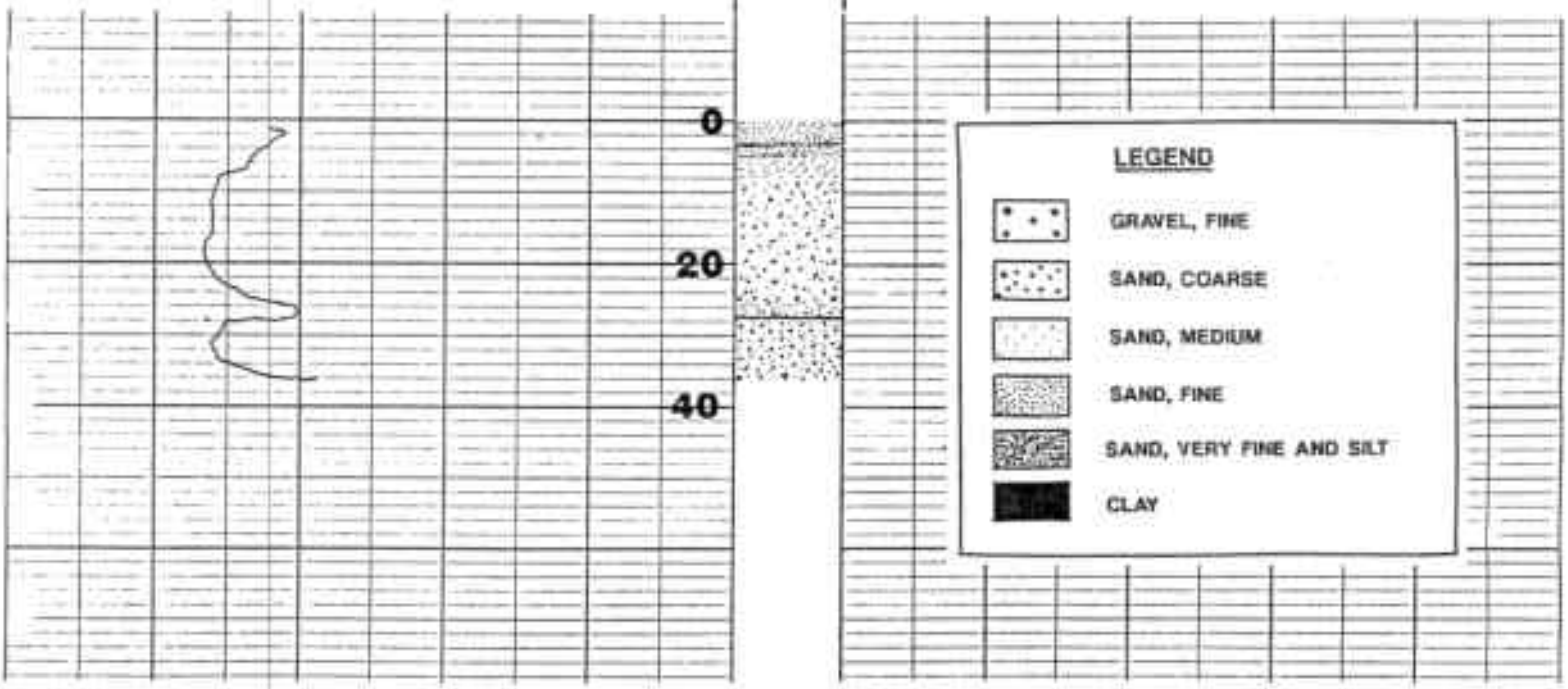
LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

OWNER Nabisco Brands, Inc.
LOCATION North of Dry Well A
WELL NO. B-47
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 36 Feet below grade
DEPTH LOGGED 36 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE May 30, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-47

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

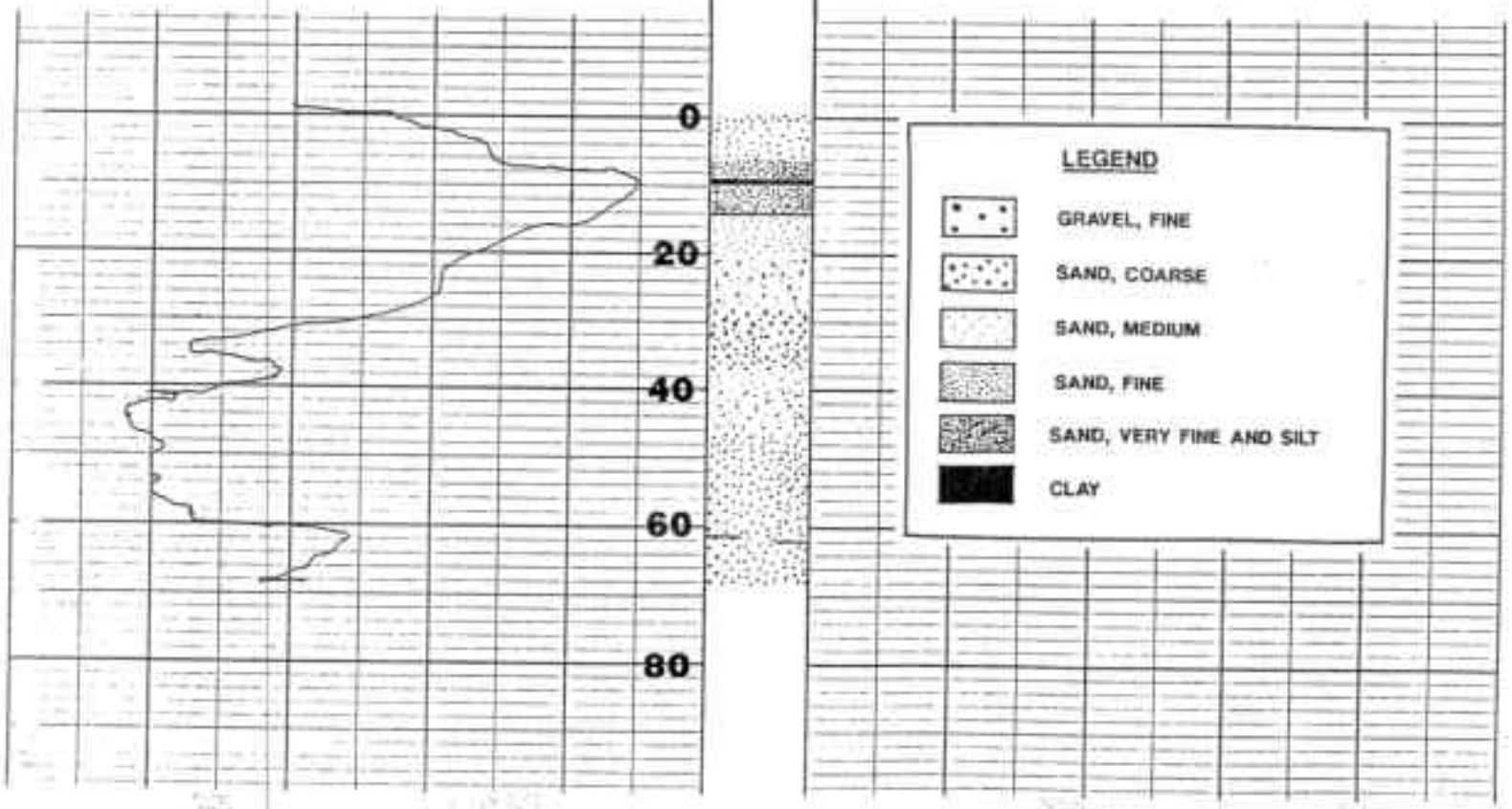
OWNER Nabisco Brands, Inc.
LOCATION Lily Pond Road

WELL NO. B-48
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 69.5 Feet below grade
DEPTH LOGGED 68.5 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE June 21, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inch inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-48

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

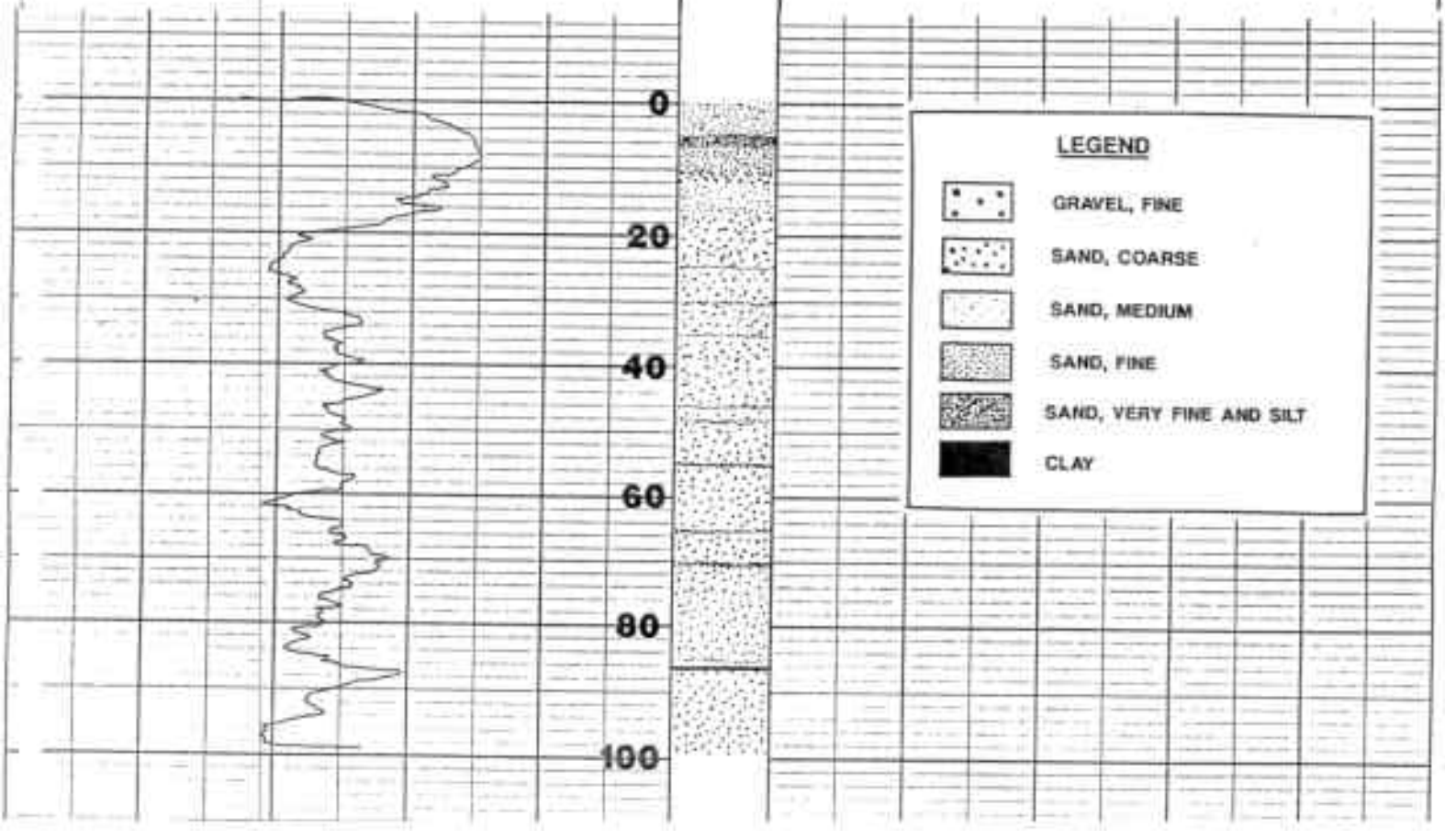
OWNER Nabisco Brands, Inc.
LOCATION Novack Road

WELL NO. B-49
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 99 Feet below grade
DEPTH LOGGED 98.5 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE June 27, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inch inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-49

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute



GEOPHYSICAL WELL LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water Consultants
72 DANBURY ROAD
WILTON, CONNECTICUT 06897

OWNER Nabisco Brands, Inc.
LOCATION Morris Cove Road
WELL NO. B-50
DRILLING METHOD Hollow-stem auger
DEPTH DRILLED 100 Feet below grade
DEPTH LOGGED 98.5 Feet below grade
DEPTH SCALE 20 Feet per inch
LOGGED BY Karen Billick

DATE July 10, 1991
DRILLER Delta Well and Pump Company, Inc.
REFERENCE POINT Grade
ELEVATION
CASING 3 1/4-Inch inside diameter augers
HOLE DIAMETER 6 1/2 Inches (outside diameter of auger flights)
REMARKS Pilot borehole

GAMMA RAY B-50

Scale: 10 Cycles per second
Time Constant: 5 Counts per second
Logging Rate: 20 Feet per minute