

GRI D WATER SAMPLING FIELD LOG

Sample Location MAESTRI Well No. MW-9
Sampled By JAMES A. MOORE Date 8/23/89 Time 3:15 PM
Weather OVERCAST Sampled with Bailer ☒ Pump ☐

A. WATER TABLE:

Well depth: (below top of casing) 15 ft. Well elevation: (top of casing) _____ ft.
Depth to water table: (below top of casing) 11.37 ft. Water table elevation: _____ ft.
Length of water column (LWC) 3.63 ft.
Volume of water in well:

$\textcircled{2}$ diameter wells = $0.163 \times (\text{LWC}) =$.59 gallons ^{1.8}
4" diameter wells = $0.653 \times (\text{LWC}) =$ _____ gallons
6" diameter wells = $1.469 \times (\text{LWC}) =$ _____ gallons

B. PHYSICAL APPEARANCE AT START:

Color CLEAR Odor SWEET Turbidity LOW
Was an oil film or layer apparent? NO

C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 120 gallons.
Did well go dry? NO

D. PHYSICAL APPEARANCE DURING SAMPLING:

Color BROWN Odor SWEET Turbidity HIGH
Was an oil film or layer apparent? NO

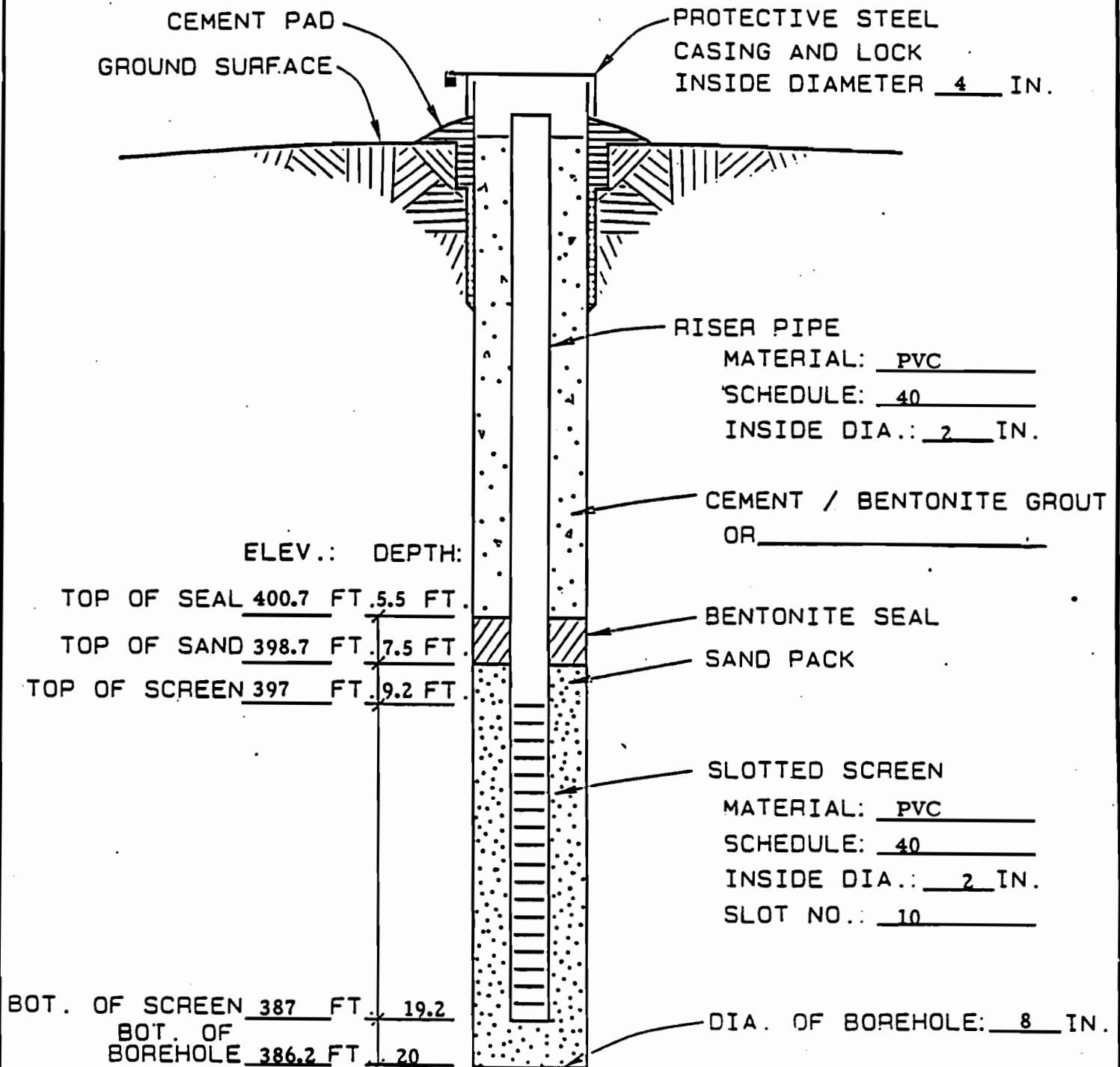
E. CONDUCTIVITY 660

F. PH 7.1

G. TEMPERATURE 10°C

H. WELL SAMPLING NOTES:

MAESTRI SITE INVESTIGATION
MW-9

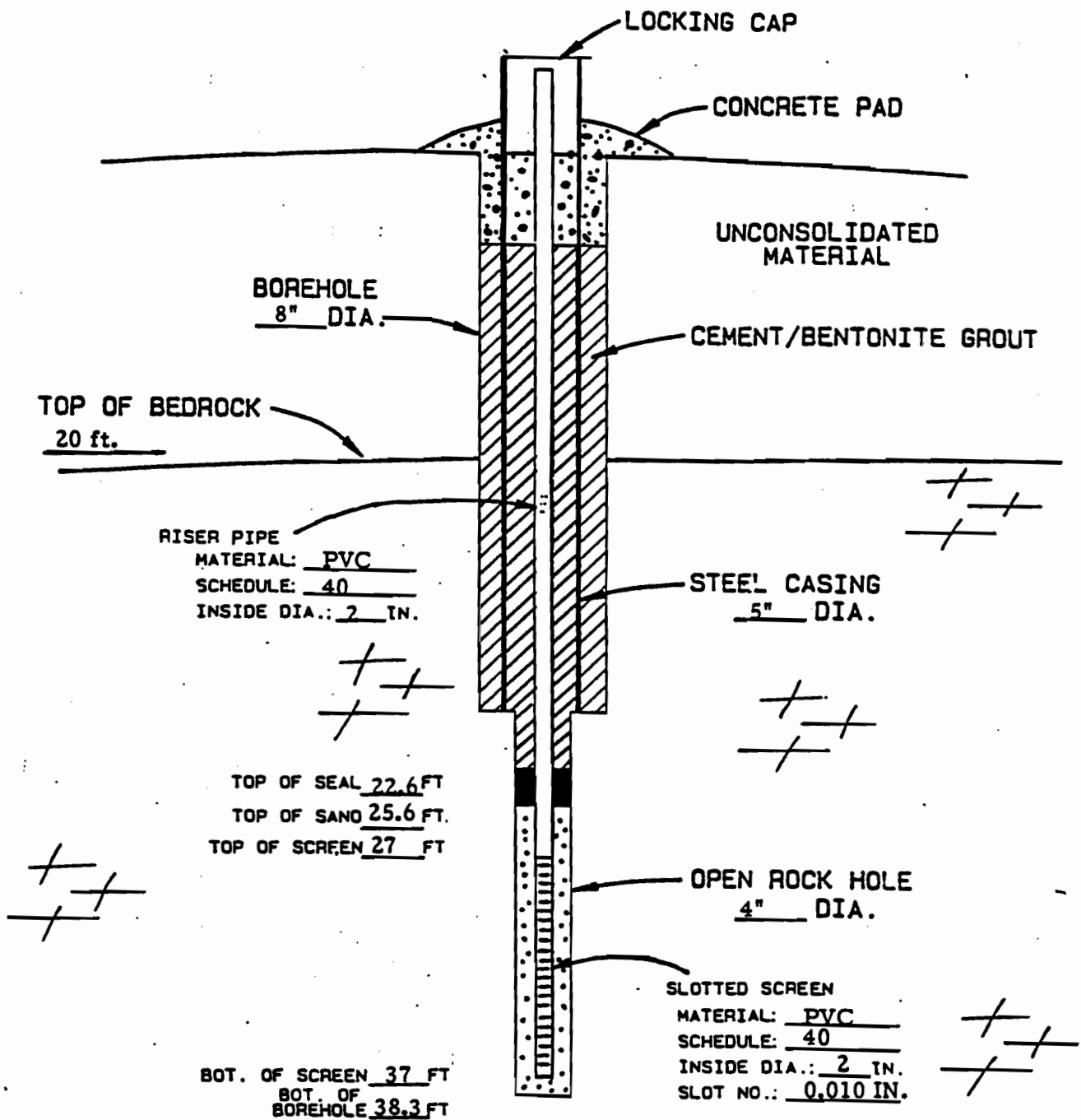


TYPICAL OVERBURDEN MONITORING WELL

N.T.S.

[illegible]

MAESTRI SITE INVESTIGATION
MW-8



TYPICAL BEDROCK
MONITORING WELL
(NOT TO SCALE)

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		Report of Boring No. MM-8 Sheet 1 of 2				
Project Location: Maestri Site Investigation Geddes, N.Y.						SAMPLER Type: 3" Split Spoon Hammer: 140 lbs.		Ground Water Depth 14.6' Date 8/1/89 Depth 15.8' Date 8/2/89 File No.: 3213.004.576				
Client: Stauffer Management Company						Fall: 30 inches						
Boring Co.: Parratt-Wolff, Inc. Foreman: Kevin White DBG Geologist: Dennis Theoret						Boring Location: East of main disposal area Ground Elevation: 406.14 ft. Dates: Started: 7/26/89		Ended: 8/1/89				
Depth	Sample					Sample Description	Stratum Change General Descript	Equipment Installed	Field Testing			Remarks
	No	Depth	Blows /6"	Penetr/ Recovery	"N" Value				pH	Sp Cond	HNU	
0	1	0-1.5'	3/4/9	1.5/0.9'	13	Reddish brown, damp, stiff, SILT, some clay trace fine/medium sand and fine/medium gravel, trace roots.						3.0
5	2	5-6.5'	1/2/1	1.5/0.9'	3	Light brown and yellowish brown, very moist soft, SILT, some fine/medium sand, little fine/medium gravel, trace clay.	5.0'					3.0
	3	7-7.2'	50/.2'	.2'/.2'	50+	-At 6 ft. grades to very dense, some fine/coarse gravel, little fine/medium sand.						300
						NOTE: Very hard augering 6 to 11' interval.						
10	4	10-10.2	50/.2'	.2'/.2'	50+	Grades to reddish brown in color at 10 ft.	11.0'					200
						Reddish brown, saturated, very dense, fine/medium SAND, trace silt.						
15	5	15-16.4	14/22-	1.4/1.4'	72+							110
			50/.4'									
							16.5'					
						Brown, saturated, dense, coarse SAND and fine GRAVEL, some silty clay matrix.						
	6	18-20'	10/14/-	2'/.2'	34		19.0'					90
			20/37									
20	7	20-21.9	16/28-	2/1.9'	58	Reddish brown, saturated, dense, medium SAND with occasional rust and yellowish colored silt lenses.	20.0'					1.0
			30-50/.4									
		21.9-	NX CORE	5'/.3'	—	Gray green, dry, non-calcareous, very weathered to relatively competent fissile SHALE with interbedded dark brown clayey silt.						
		26.9'										
25												
						NOTE: 4" tricone drilling utilized 21.9 to 38.3 ft.						
30												

TABLE 10
MAESTRI SITE
904 STATE FAIR BLVD.

DETECTED VOLATILE ORGANIC COMPOUNDS**
IN GROUND WATER
Analyzed August 1989

	NYS CLASS 6A STANDARDS	MONITORING WELLS MW-5	MW-6	MW-7	MW-8	MW-8 DUPLICATE	MW-9	MW-10	EQUIPMENT BLANK
Methylene chloride	0.05*	ND	ND	0.003 JB	ND	0.003 JB	0.001 J	ND	0.001 JB
Acetone	NE	ND	0.170	ND	ND	0.014 J	0.083	ND	0.005 J
2-Butanone	NE	ND	0.005 J	ND	ND	ND	0.008 J	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	0.004 J	ND	ND
4-Methyl 2-Pentanone	NE	ND	ND	ND	ND	ND	0.026	ND	ND
Toluene	0.05*	ND	0.100	ND	ND	ND	4.2	ND	ND
Ethylbenzene	0.05*	ND	0.700	ND	ND	0.004 J	1.7 J	ND	ND
Xylene	0.05*	ND	6.3	ND	0.002 J	0.004 J	34	ND	ND
1,2-Dichloroethene	NE	ND	0.005 J	ND	ND	ND	ND	ND	ND

NOTES: ** - All other volatile compounds analyzed were not detected.
All analytical values measured in mg/l (ppm).
NE - Not established.
B - Found in method blank.
J - Indicates an estimated value.
* - Guidance standard.
ND - Not detectable.
Analytical quantitation limits are sample specific and may vary.
Quantitation limits for each sample and analyte are presented
in laboratory reports. (Exhibit I)

TABLE 11
MAESTRI SITE
904 STATE FAIR BLVD.

DETECTED SEMI-VOLATILE COMPOUNDS**
IN GROUND WATER
Analyzed September 1989

	NYS CLASS 6A STANDARDS	MONITORING WELLS MW-5	MW-6	MW-7	MW-8	MW-8 DUPLICATE	MW-9	MW-10	EQUIPMENT BLANK
2-Methylphenol	NE	ND	0.140 JB	ND	ND	ND	ND	ND	ND
Benzoic Acid	NE	ND	ND	0.004 J	ND	ND	ND	ND	ND
Diethylphthalate	0.05	0.001 J	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	0.77	ND	ND	ND	ND	0.001 J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	4.2	0.010 JB	0.067 JB	0.016 B	0.016 B	0.016 B	ND	0.009 JB	0.065 B
Di-n-Octylphthalate	0.05*	ND	ND	0.001 J	0.001 J	0.001 J	ND	ND	ND

NOTES: ** - All other semi-volatile compounds analyzed were not detected.

All analytical values measured in mg/l (ppm).

NE - Not established.

B - Found in method blank.

J - Indicates an estimated value.

* - Guidance standard.

ND - Not detectable.

Analytical quantitation limits are sample specific and may vary.

Quantitation limits for each sample and analyte are presented
in laboratory reports. (Exhibit I)

TABLE 12
MAESTRI SITE
904 STATE FAIR BLVD.

DETECTED INORGANIC CONSTITUENTS*
IN GROUND WATER
Analyzed August 1989

	MYS CLASS GA STANDARDS	MONITORING WELLS		MW-7	MW-8	MW-8 DUPLICATE	MW-9	MW-10
		MW-5	MW-6					
Aluminum	NE	0.035 B	0.066 B	0.089 B	0.068 B	ND	0.184 B	0.181 B
Arsenic	0.025	ND	0.0239	ND	ND	ND	ND	ND
Barium	1	0.19 B	1.23	0.049 B	0.045 B	0.02 B	0.779	0.118 B
Cadmium	0.01	0.006	ND	ND	0.003 B	0.002 B	ND	ND
Calcium	NE	118	127	310	473	484	54.9	27.9
Chromium	NE	0.01	0.013	0.016	ND	0.014	0.007 B	0.005 B
Cobalt	NE	ND	0.007 B	ND	ND	ND	ND	ND
Copper	1	0.014 B	0.014 B	0.029	0.014 B	0.021 B	0.014 B	0.016 B
Iron	0.3	ND	25.7	ND	0.048 B	ND	6.72	0.202
Lead	0.025	ND	0.004	ND	ND	ND	ND	ND
Magnesium	NE	47.6	21	14.8	26.8	274	12.3	7.88
Manganese	0.3	0.007 B	0.112	0.013 B	0.071	0.071	0.085	0.049
Nickel	NE	ND	0.138	0.05	0.048	0.054	0.043	ND
Potassium	NE	1.35 B	1.52 B	163	10.6	11.4	ND	1.07 B
Sodium	NE	177	17	63.1	41.1	42.1	8.08	4.38 B
Vanadium	NE	ND	0.009 B	0.006 B	ND	ND	ND	ND
Zinc	5	0.092	0.043	0.031	0.062	0.056	0.075	0.039

NOTES: * - All other inorganic constituents analyzed were not detected.
Analytical inorganic values measured in mg/l (ppm).
NE - Not established.
ND - Not detectable.
B - Above instrument detection limit but below
contract required detection limit.

FIGURE 3



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION
- APPROXIMATE LIMITS OF 1993 EXCAVATION

BASIS OF DESIGN REPORT
MAESTRI SITE
GEDDES, NEW YORK

SITE MAP (ENLARGED)

0 50 150

APPROX. SCALE IN FEET

FILE NO. 5618-005-03F

SBRIEN
ENGINEERS, INC.