HAGEMAN-AGUIAR, INC.
Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

March 1, 1993

QUARTERLY
GROUNDWATER SAMPLING REPORT

FORMER CHEVRON STATION
11727 Main Street
Sunol, CA

On February 22, 1993, the on-site monitoring well was sampled for the subsequent laboratory analysis for dissolved petroleum constituents. The sampling is part of the regular quarterly shallow groundwater monitoring program, as required by the Alameda County Environmental Health Department and the California State Regional Water Quality Control Board. The location of the site is shown in Figure 1.

Monitoring Well Sampling and Laboratory Analysis

On February 22, 1993, the on-site well was purged, and a groundwater sample was subsequently collected. The location of the monitoring well is shown in Figure 2 (site map). Prior to groundwater sampling, the well was purged by bailing approximately 4 casing volumes of water. Field conductivity,

3732 Mt. Diablo Blvd. Suite 372 Lafayette, California 94549 (510) 284-1661 FAX (510) 284-1664

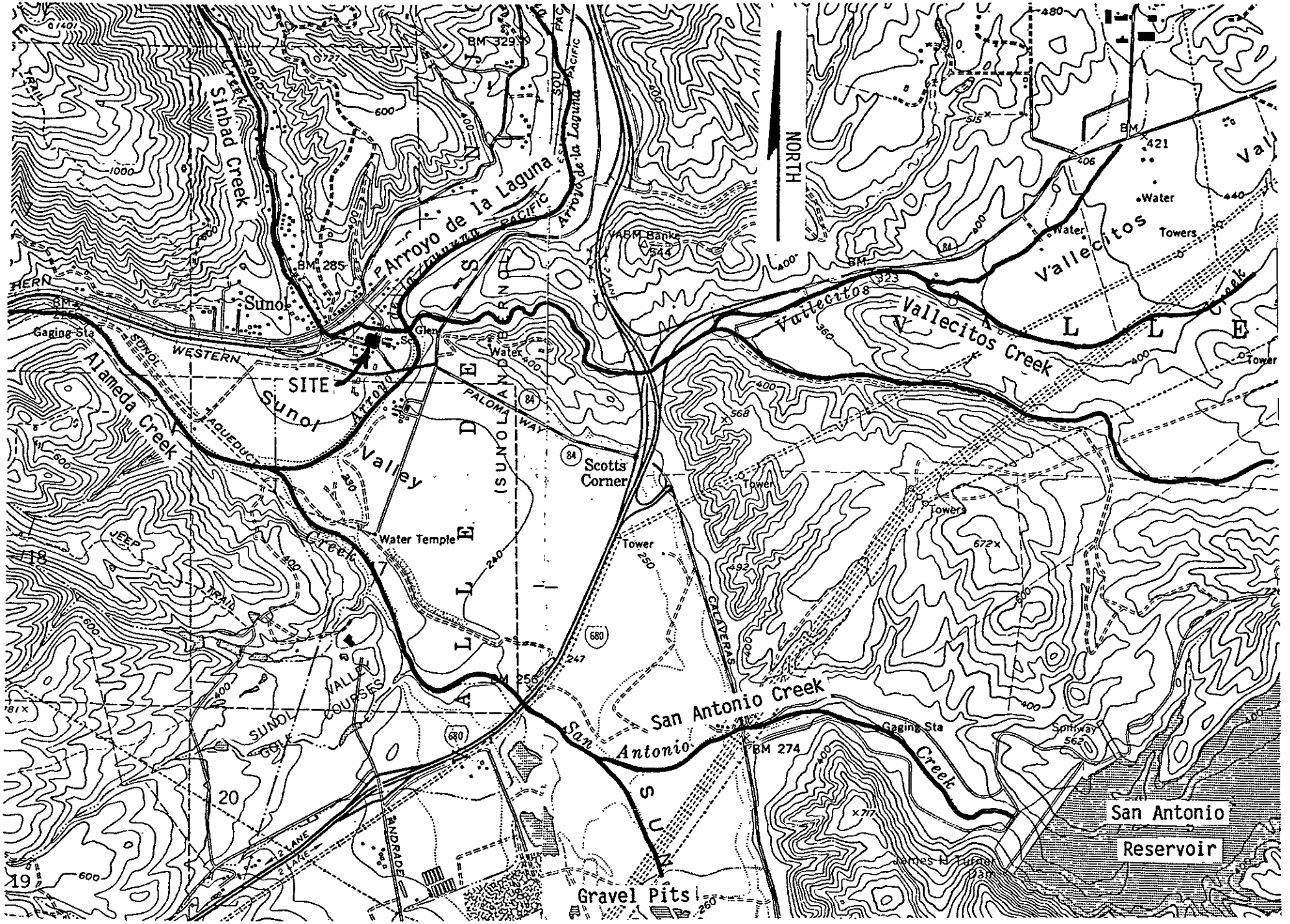

FIGURE 1. Site Vicinity Map

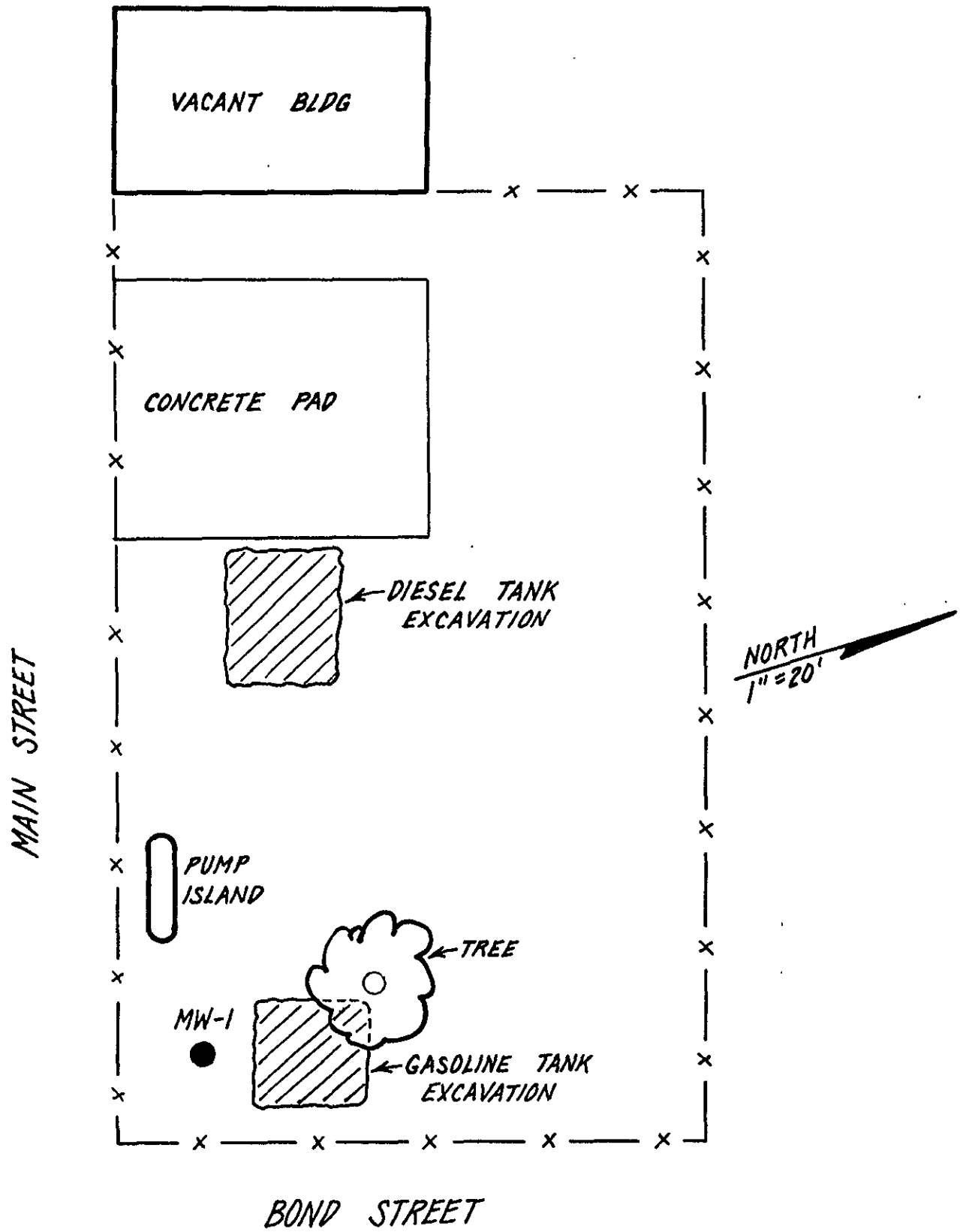

FIGURE 2.
Site Map.

temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the three parameters were monitored. Purging continued until readings appeared to have reasonably stabilized. After the water level in the well had attained 80% or more of the original static water level, a groundwater sample was collected using a clean teflon bailer. The water sample was placed inside appropriate 40 mL VOA vials and 1-liter amber bottles free of any headspace. The samples were immediately placed on ice, then transported under chain-of-custody to the cold storage unit at the Hageman-Aguiar offices. The samples were subsequently picked up by laboratory personnel and transported under chain-of-custody to the laboratory.

At the time the monitoring well was sampled, the following information was recorded in the field: 1) depth-to-water prior to purging, using an electrical well sounding tape, 2) identification of any floating product, sheen, or odor prior to purging, using a clear teflon bailer, 3) sample pH, 4) sample temperature, and 5) specific conductance of the sample. A copy of the well sampling log is included as Attachment A.

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. The groundwater sample was analyzed for Total Petroleum Hydrocarbons as Diesel, Total Petroleum Hydrocarbons as Gasoline, and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

All water removed from the well during development and purging was drummed and stored on-site until the results of laboratory analyses were obtained. Depending upon these results, the water will be sewered as a non-hazardous liquid waste in accordance with local sewering agency permit requirements, or else it will be transported as a hazardous

liquid waste under proper manifest to an appropriate TSD facility for treatment and disposal.

Water Level Measurement.

The shallow groundwater elevation in MW-1 was measured as 38.34 feet below ground surface on February 22, 1993.

Laboratory Results.

Table 1 presents the results of the laboratory analysis for TPH and BTEX of the groundwater sample collected from monitoring well MW-1. As shown in this table, no detectable concentrations of Gasoline, Benzene, Kerosene, or Diesel were found in the shallow groundwater sample.

A copy of the laboratory certificate for the water sample analysis is included as Attachment B.

TABLE 1.

Shallow Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	TPH as Kerosene (ug/L)	TPH as Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	Motor Oil (mg/L)
MW-1	11-13-90	ND	---	840	ND	ND	ND	ND	---
	02-26-91	ND	---	ND	ND	ND	ND	ND	---
	05-16-91	ND	---	ND	ND	ND	ND	ND	---
	08-19-91	260	---	220	0.6	ND	0.7	3.1	---
	12-20-91	500	---	480	ND	ND	ND	1.7	---
	02-12-92	440	2,200	ND	0.6	0.6	0.6	2.9	---
	05-13-92	ND	280	ND	ND	ND	0.6	3.6	ND
	08-10-92	ND	520	650	ND	ND	ND	ND	---
	12-04-92	ND	120	180	ND	ND	ND	ND	ND
	02-22-93	ND	ND	ND	ND	ND	ND	ND	ND
Detection Limit		50	50	50	0.5	0.5	0.5	0.5	0.5

ND = Not Detected

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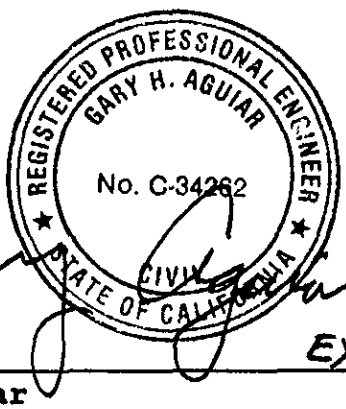

EXP. 9-30-95

Gary Aguiar **RCE 34262**

Rick Milelli **Environmental Engineer**

ATTACHMENT A

Well Sampling Logs

WELL SAMPLING LOG

Project/No. O'LAUGHLIN

Page 1 of 1

Site Location SUNOL, CA

Date 2/22/93

Well No. MW 1

Time Began 1140
Completed 1240

Weather SHOWERS / 50°F

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX AT GRADE

Total Sounded Depth of Well Below MP 64.00

- Depth to Water Below MP 25.66

Diameter of Casing 2"

= Water Column in Well 38.34

Gallons in Casing 6.1 + Annular Space (30% porosity) (X5) = Total Gallons 30.5

Gallons Pumped Prior to Sampling 31

Evacuation Method TEFLON BAILER

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: NONE DETECTED
(thickness to 0.1 inch, if any)

Time	1150	1202	1215	1230
Gals Removed	0	10	20	31
Temperature	14.3	15.9	16.0	16.0
Conductivity	125	700	700	700
pH	8.4	7.7	7.5	7.3
Color / Odor	CLR/NO	GRY/ORG	GRY/ORG	GRY/ORG
Turbidity	LOW	MED	MED	MED

Comments: NONE

ATTACHMENT B

ANALYTICAL RESULTS: GROUNDWATER

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 25, 1993 PEL # 9302056

HAGEMAN - AGUIAR, INC.

Attn: Jeffrey Roth
Re: One water sample for Gasoline/BTEX and TEPH analyses.

Project name: O'Laughlin
Project location: Sunol - CA

Date sampled: Feb 22, 1993 Date submitted: Feb 23, 1993
Date extracted: Feb 23-24, 1993 Date analyzed: Feb 23-24, 1993

RESULTS:

SAMPLE I.D.	Kerosene (ug/L)	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Xylenes (ug/L)	Total Grease (ug/L)	Motor Oil (mg/L)
MW 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	80.2%	90.4%	89.1%	85.2%	83.5%	84.9%		86.8%	---
Detection limit	50	50	50	0.5	0.5	0.5		0.5	0.5
Method of Analysis	3510 / 8015	5030 / 8015	3510 / 8015	602	602	602		602	3510 8015

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PEL # 9302056

CHAIN OF CUSTODY RECORD

INV # 23401

PROJECT NAME AND ADDRESS:
O'LAUGHLIN
SUNOL, CA

SAMPLER: (Signature)

HAGEMAN - AGUIAR, INC.
3732 Mt. Diablo Blvd., Suite 372
Lafayette, CA 94549
(415)284-1661 (415)284-1664 (FAX)

ANALYSIS REQUESTED: TPH Gas / BTXE, TEPH

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION								REMARKS
MW 1	2-22-93	1245		X	MONITORING WELL		X	X					NORM TAT

RELINQUISHED BY: (Signature)	DATE 2-23-93 TIME 1345	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE 2/23/93 TIME 13:45