

# BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505  
SAN JOSE, CA 95122  
(408) 995-5535

April 23, 1987

diagram corrected - August 4, 1987

Chevron USA, Inc.  
2 Annabel Lane, Suite 200  
San Ramon, CA 94583

Attn: Bob Stolz

Re: Field sampling at

CHEVRON #4587  
609 OAK STREET  
OAKLAND, CA

MARCH 30, 1987


Contract #N16CWC-0254-6-X  
Release #18

## SAMPLING REPORT

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

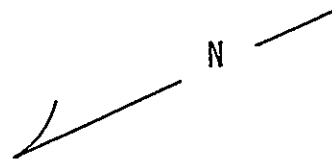
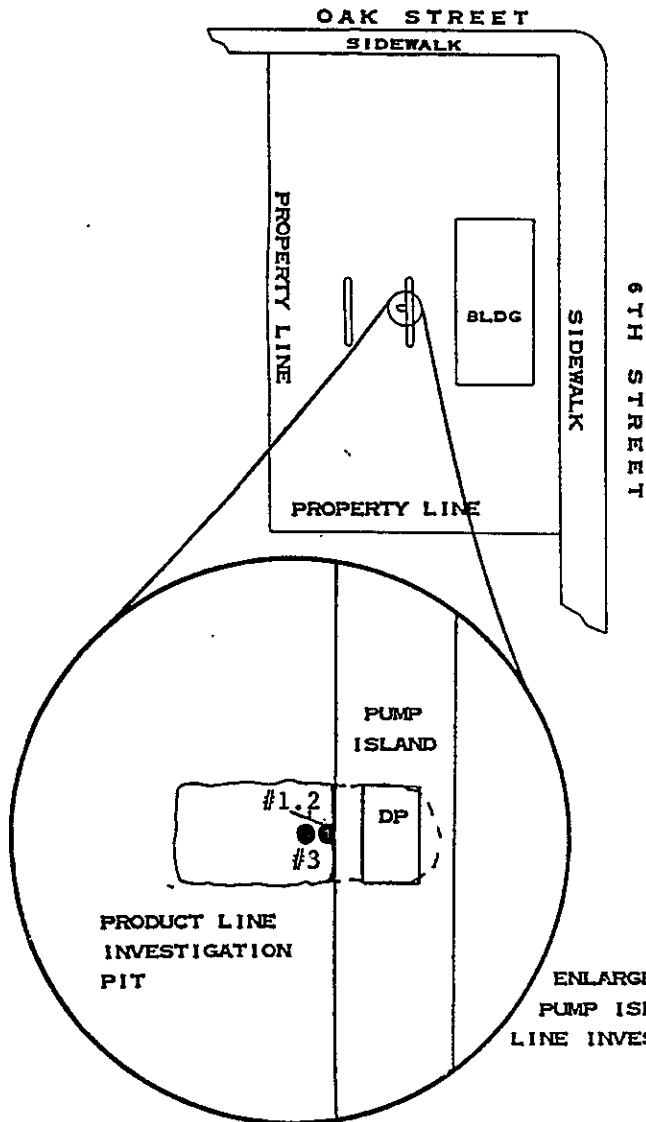
SAMPLE COLLECTION TO DETERMINE THE EXTENT OF SOIL CONTAMINATION  
BENEATH THE DISPENSER PUMP AND PRODUCT LINES AT THE SOUTH CENTER  
PUMP ON THE WESTERN PUMP ISLAND.

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

0' 40'  
SCALE: 

MAP REF: THOMAS BROS.  
ALAMEDA COUNTY  
P. 9 B-6

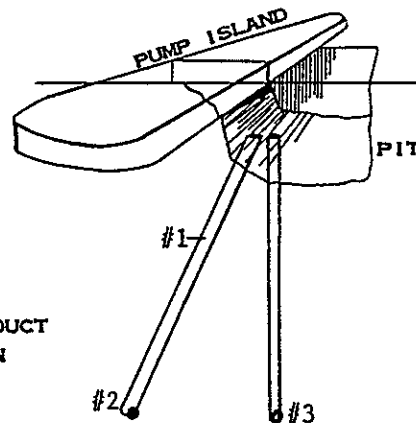
LEGEND: DP = DISPENSER PUMP



- #1 AUGERED SOIL SAMPLE FROM 2.5'  
100% PPM-VAPOR  
ANALYSIS FOR TOTAL HYDROCARBONS (THC)  
AS GASOLINE AND BENZENE, TOLUENE, AND  
XYLENES (BTX) AT TMA/NORCAL, INC.  
PLACED ON HOLD
- #2 AUGERED SOIL FROM 7'  
100% PPM-VAPOR  
ANALYSIS FOR THC AS GASOLINE AND BTX  
TMA/NORCAL LAB NO. 5017-45-1
- #3 AUGERED SOIL FROM 7'  
100% PPM-VAPOR  
ANALYSIS FOR THC AS GASOLINE AND BTX  
TMA/NORCAL LAB NO. 5017-45-1

#2 AND #3 WERE COMPOSITED FOR ONE  
ANALYSIS.

Earlier version of this  
diagram erroneously said  
"#1 AND #2 WERE COMPOSITED...!"  
Corrected August 4, 1987



SAMPLING PERFORMED BY TIM BABCOCK  
DIAGRAM PREPARED BY DONNA TERESI

Reportage

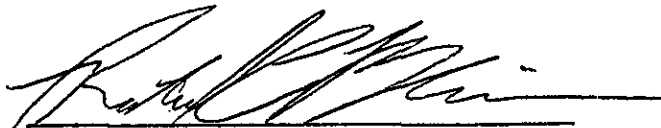
Submission to the Regional Water Quality Control Board and the local regulatory/enforcement agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board  
San Francisco Bay Region  
1111 Jackson Street  
Room 6040  
Oakland, CA 94607  
ATTN: Tom Callaghan

Alameda County Health  
Hazardous Materials Management  
420 27th Street  
Oakland, Ca 94612  
ATTN: Ted Gerow

If I can be of any further assistance, please call.



Richard C. Blaine

RCB/djt



**TMA**  
Thermo Analytical Inc.

TMAINorcal  
1400 53rd Street  
Suite 460  
Emeryville, CA 94608-2946  
(415) 652-2300

Chevron USA  
2 Annabel Lane Suite 200  
San Ramon, CA 94583

April 9, 1987  
Report # 5017-45  
Release # 23

Attention: Bob Stolz

Site Location: Chevron Station #4587, 609 Oak St., Oakland

RE: One (1) Soil composite sample submitted on March 30, 1987  
for rush gasoline and BTX analysis.

Procedure: The sample is analyzed for gasoline by following the method described in Attachment 2, Analytical Procedures for Fuel Leak Investigations. The sample is concentrated on a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a flame ionization detector. Quantitation is performed, as total hydrocarbon response, against known concentrations of gasoline. The limit of detection for this method of analysis is one part per million (mg/kg).

The aromatic levels are determined by following a modified EPA Method 602 procedure. The volatile components of the samples are concentrated with a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a photoionization detector. Quantitation is performed against solutions made from known concentrations of aromatic compounds. The limit of detection is two parts per billion (ug/kg), unless stated otherwise.

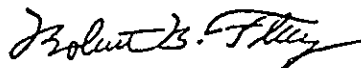
The results are shown below:

Concentration (mg/kg)\*

<u>TMA/ Norcal</u>	<u>Client ID</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Gasoline</u>
5017-45-1	87086T3#2 and 3	150	430	270	1300

\* wet weight basis and single point calibration was used.

Submitted by:



Robert B. Flay  
Manager, Organics Department

RBF:ltm

cc: Rich Blaine  
Blaine Tech Services  
P.O. Box 5745



**Jettler — ryan inc.**

**general contractors**

July 19, 1983

Mr. W. R. Smith  
Chevron U.S.A. Inc.  
Two Annabel Lane, Suite 200  
San Ramon, California 94583

Reference: Service Station 4587  
609 Oak & Sixth  
Oakland, California

Gentlemen:

Enclosed are our reports covering installation of observation wells for the subject location. Three wells were drilled using a Failing 6" continuous flight auger to the depth indicated on the boring logs. All wells were installed per your "Typical Well Profile" dated February 1, 1983.

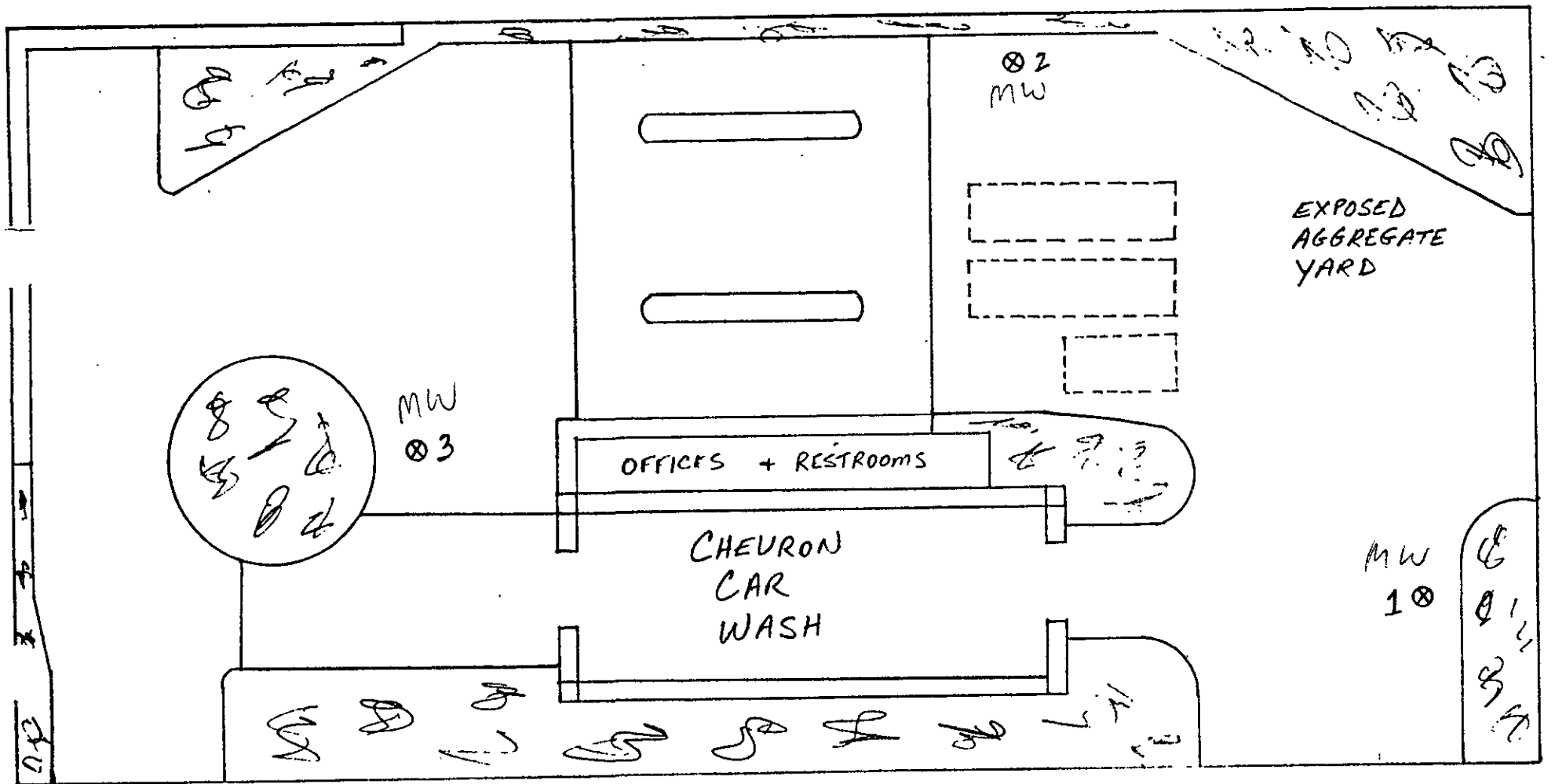
Please contact us if any further information is required.

Very truly yours,

Jeffrey M. Ryan

jmr/ml

Attachments: Plot Plan  
Well Section  
Soil Boring Logs  
Observation Well Daily Reports  
Well Elevation Survey

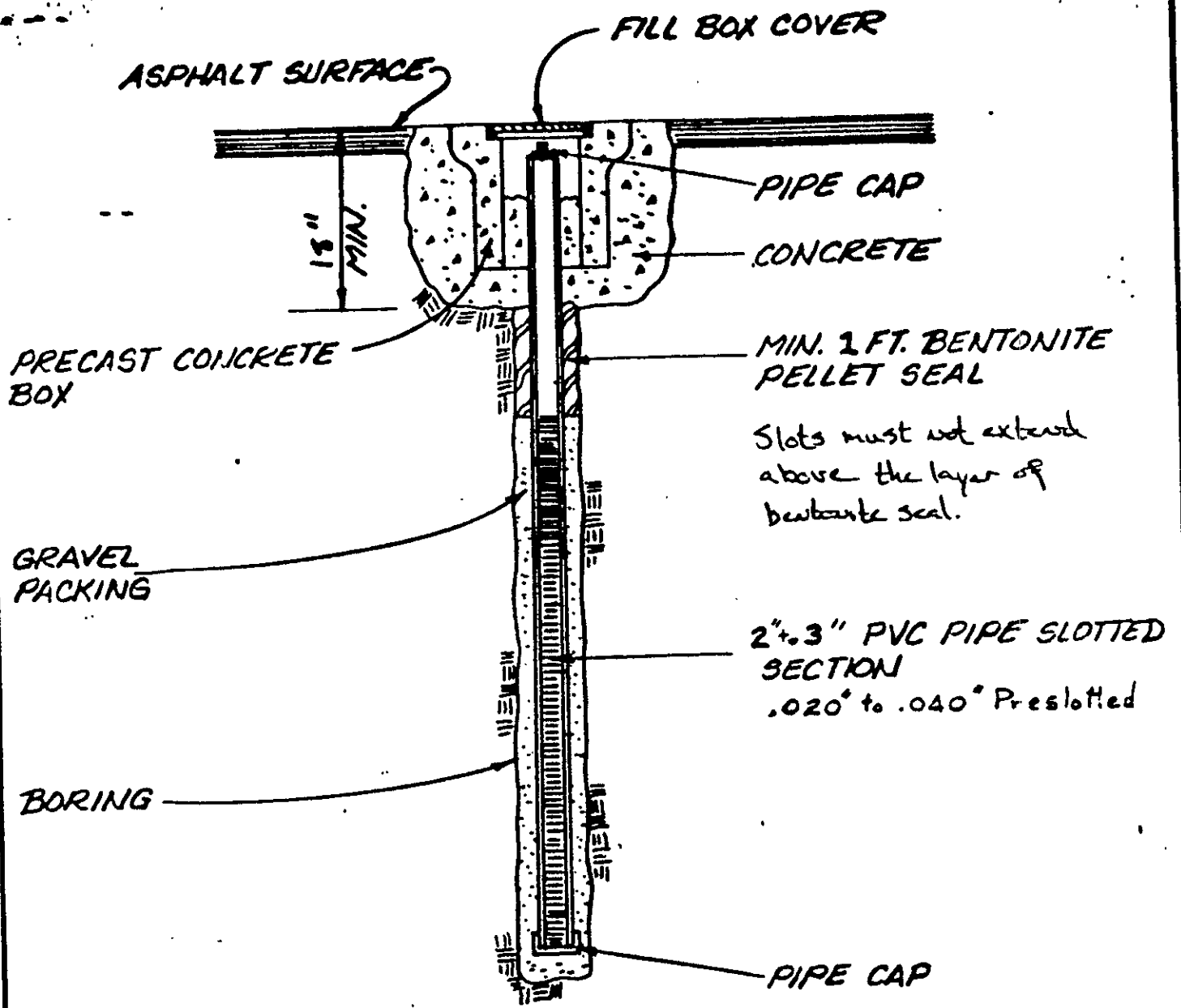


SIXTH ST.

MW's



CHEVRON U.S.F.  
 SS. # 4587  
 609 SIXTH St.  
 OAKLAND, CA.  
 DR. 5055 N.T.



DEPTH OF HOLE: 20' -

TOTAL NUMBER OF HOLES REQUIRED: 3

REV

PLANS & SPECIFICATIONS  
TYPICAL WELL PROFILE

DR. <u>R. J.</u>	CH.
DR. APP.	
ENGR.	
OFF'G. DEPT.	APPROVED
ENGR. DEPT.	

2/1/83

SCALE NONE DATE

W.O.

S.O.









**Jr** - galler - 1700 lbs  
general contractor

OBSERVATION WELL  
Y MONITOR RECORD

COMPANY: CHEVRON U.S.A.  
LOCATION: 609 OAK ST. @ 6th SE.  
CITY: OAKLAND

JOB: OR-5055  
DATE: 7-13-83  
TIME: 3:30 P.M.

WELL	LIQUID DEPTH	HYDROCARBON THICKNESS	AMOUNT PUMPED
1	105"	Ø	
2	114"	Ø	
3	112"	Ø	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

PRODUCT TANK: TOTAL LIQUID: \_\_\_\_\_ IN. WATER: \_\_\_\_\_ IN.  
AMOUNT PUMPED OUT: \_\_\_\_\_ GALLONS

FLOWMETER: \_\_\_\_\_ READING: \_\_\_\_\_  
WATER TABLE DEPRESSION PUMP: \_\_\_\_\_ DISCHARGE \_\_\_\_\_  
SCAVENGER OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_  
PROBE OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_  
OTHER COMMENTS: \_\_\_\_\_

FOREMAN: DAVID BYRON ASSISTANTS: \_\_\_\_\_

**JR** gallon - 1700 lbs.  
gallon cool 1000

OPERATION  
DAILY MONITOR RECORD

COMPANY: CHEVRON U.S.A.  
LOCATION: 609 OAK ST + SIXTH  
CITY: OAKLAND

WELL: OR-5055  
DATE: 7-19-83  
TIME: 10:15 AM

WELL	LIQUID DEPTH	HYDROCARBON THICKNESS	AMOUNT PUMPED
1	<u>114"</u>	<u>1/16"</u>	
2	<u>114"</u>	<u>0</u>	
3	<u>106"</u>	<u>0</u>	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

PRODUCT TANK: TOTAL LIQUID: \_\_\_\_\_ IN. WATER: \_\_\_\_\_ IN.  
AMOUNT PUMPED OUT: \_\_\_\_\_ GALLONS

FLOWMETER: \_\_\_\_\_ READING: \_\_\_\_\_  
WATER TABLE DEPRESSION PUMP: \_\_\_\_\_ DISCHARGE \_\_\_\_\_  
SCAVENGER OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_  
PROBE OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_  
OTHER COMMENTS: \_\_\_\_\_

FOREMAN: DAVID BYRON ASSISTANTS: \_\_\_\_\_



70

198  
Feb 14 1987  
TANIS

SPILL/LEAK REPORTING FORM

RECEIVED  
Rev. 8/2/84  
MAR 25 1987

ENVIRONMENTAL HEALTH  
ADMINISTRATION

TO: Toxics Cleanup Division  
RWQCB, Rm. 6040  
1111 Jackson St.  
Oakland, CA 94607

Report Date: 3, 19, 87 Reported By: B. R. PAULSON

Facility Name: SERVICE STA. # 9-4587 Facility Address: 609 OAK ST. OAKLAND, CA, 94607

File under this address

Facility Contact: KEN BETTS Phone: (415) 832-3921  
Owner: CHEVRON U.S.A. INC. Address: J. AMADOR BLVD - SUITE 200 SAN RAMON, CA. 94583

Contact: R. S. (BOB) STOLZ Phone: (415) 838-5302

Date Discovered: 3, 18, 87 Date Started: 3, 18, 87

How Detected: Tank Removal Routine Monitoring Other LOST SUCTION

Chemicals: GASOLINE Max. Concentration: \_\_\_\_\_

Est. Vol. Lost: UNKNOWN Est. Method: \_\_\_\_\_

Tank Age: 5 Tank Volume: 6000 Tank Material: FIBERGLASS

Pressure Test: Tank \_\_\_\_\_ Piping X Leak Stopped: YES

Contamination Defined: Soil UNKNOWN Floating Product \_\_\_\_\_

Local Wells Sampled: \_\_\_\_\_

Monitoring Well Data: \_\_\_\_\_ Product Plume Cleanup: \_\_\_\_\_

Vapor Check (Y/N): \_\_\_\_\_ Results: Storm Drains \_\_\_\_\_ Sewers \_\_\_\_\_  
Utility Vaults \_\_\_\_\_ Bldgs \_\_\_\_\_  
Other \_\_\_\_\_

Other Agencies Notified: ALAMEDA COUNTY HEALTH

Status and Proposed Activities: PRODUCT LINE LOST SUCTION.

PRESSURE TEST MADE ON LINE & IT INDICATED A LEAK. LINE WAS EXPOSED AND LEAK FOUND & LINE BEING REPAIRED. TAKING HAND ANGLE BORINGS OF SOIL BENEATH PIPE LEAK WHICH WAS BENEATH PUMP ISLAND. PIPING HAS BEEN REPAIRED AND TESTED TIGHT. WILL FORWARD SOIL INVESTIGATION REPORT CONTAMINATION SOIL (1/2 YARD) DOWNHOLE FROM EXCAVATION IS BEING REPAIRED ON SITE TO TREAT.