ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

January 2, 1996

CC458

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

STID 2372

REMEDIAL ACTION COMPLETION CERTIFICATION

Edward and Dianne Churka
507 St. John Street
Pleasanton, CA 94566

Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804
Attn: Kenneth Kan

RE: (FORMER) CHEVRON STATION #9-3934, 780 MAIN STREET, PLEASANTON

Dear Mr. and Mrs. Churka and Mr. Kan:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please contact Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,

Jun Makishima

Jun Makishima
Acting Director of Environmental Services

attachment

- SIGNED COPY -

01-1849

REGIONAL WATER

0 4 1995

CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: 11/22/95**

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Scott Seery** Title: **Sr. Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: **(former) Chevron #9-3934**
Site facility address: **780 Main Street, Pleasanton, CA 94566**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **2372**
URF filing date: 11/17/94 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Edward & Dianne Churka	507 St. John Street Pleasanton, CA 94566	510/426-8869
Chevron U.S.A. Products Co. Attn: Kenneth Kan	P.O. Box 5004 San Ramon, CA 94583-0804	510/842-8752

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	10,000 gallon	UL gasoline	removed	8/4/93
2	10,000 "	" "	"	"
3	10,000 "	" "	"	"
4	1000 "	waste oil	"	"
5	8000 "	gasoline	"	1985
6	8000 "	"	"	"
7	550	waste oil	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK

Site characterization complete? YES

Date approved by oversight agency: 9/5/95

Monitoring Wells installed? NO Number: NA

Proper screened interval? NA

Highest GW depth below ground surface: UNK Lowest depth: UNK

Flow direction: UNK

Most sensitive current use: commercial

Leaking Underground Fuel Storage Tank Program

Are drinking water wells affected? NO Aquifer name: Amador Valley

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations):

Report(s) on file? **YES** Where is report filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	(3 x 10,000; 1 x 1000)	Disposal - Erickson, Inc. Richmond, CA	8/4/93
	(2 x 8000; 1 x 550)	UNK	1985
Piping	UNK		
Free Product	NA		
Soil	"		
Groundwater	"		
Barrels	"		

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before	Soil (ppm) After[3]	Water (ppm) Before	Water (ppm) After
TPH (Gas)	2[1]	680	NA	NA
TPH (Diesel)	ND[2]	NA		
Benzene	0.008	ND		
Toluene	ND	6.4		
Xylene	"	78		
Ethylbenzene	"	12		
Oil & Grease[2]	"	NA		
Heavy metals[2]	32^{Cr}	NA		
	49^{Ni}	"		
	33^{Zn}	"		
Other: SVOC[2]	ND	"		
HVOC[2]	"	"		

Notes:
1) All TPH-G and BTEX results from 1993 fuel UST closures.
2) Results from 1993 waste oil UST closure.
3) "After" soil results from August 1995 investigation. Soil sample collected from boring MW-1T at depth of 19.5'.

Comments (Depth of Remediation, etc.):

It is reported that this station underwent remodelling during 1985 which included the removal of both fuel (2 x 8000; 1 x 3000 gal.) and waste oil (550 gal.) USTs. It is further reported that soil samples were not collected from below the USTs following their removal. The condition of the removed tanks is unknown. The final disposition of USTs and excavated backfill or native materials is unknown.

The original steel USTs were replaced by three (3) 10,000 fuel and one (1) 1000 gallon waste oil USTs. All replacement tanks were reportedly constructed of double-walled FRP, emplaced in new excavations, and subsequently removed during August 1993.

No detectable fuel compounds were reported in soil samples collected from below the USTs during the 1993 closures. Only trace concentrations (<10 ppm) of fuel compounds were reported in a single soil sample collected below one of the dispenser islands. Metals detected in samples collected from below the waste oil UST were present at (apparent) geogenic concentrations.

During UST closure activities approximately 200 yds^3 of excavated materials were generated. Stockpile sample analyses revealed the absence of any target compounds. This material, although not reflected in the record, was presumably reintroduced to the UST excavation.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommisioned: NA

Number Decommisioned: NA Number Retained: NA

List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

Leaking Underground Fuel Storage Tank Program

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr. Haz Mat Specialist
Signature: Date: 11-22-95

Reviewed by
Name: Dale Klettke Title: Haz Mat Specialist
Signature: Dale Klettke Date: 11/27/95

Name: ~~Tom Peacock~~ Title: ~~Supervising~~ Haz Mat Specialist
Signature: Date: 11/30/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: Approved
RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date: 12/27/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

During October 1993, four soil borings were advanced at the site to a depth of approximately 15' below grade (BG) through the backfilled excavation formerly holding the pre-1985 fuel and waste oil USTs. One sample from boring B1, collected at a depth of 16.5' BG, exhibited 850 ppm TPH-G and ppm-range TEX. Benzene was not detected. This was the only soil sample from any of the borings in which fuel compounds were reported.

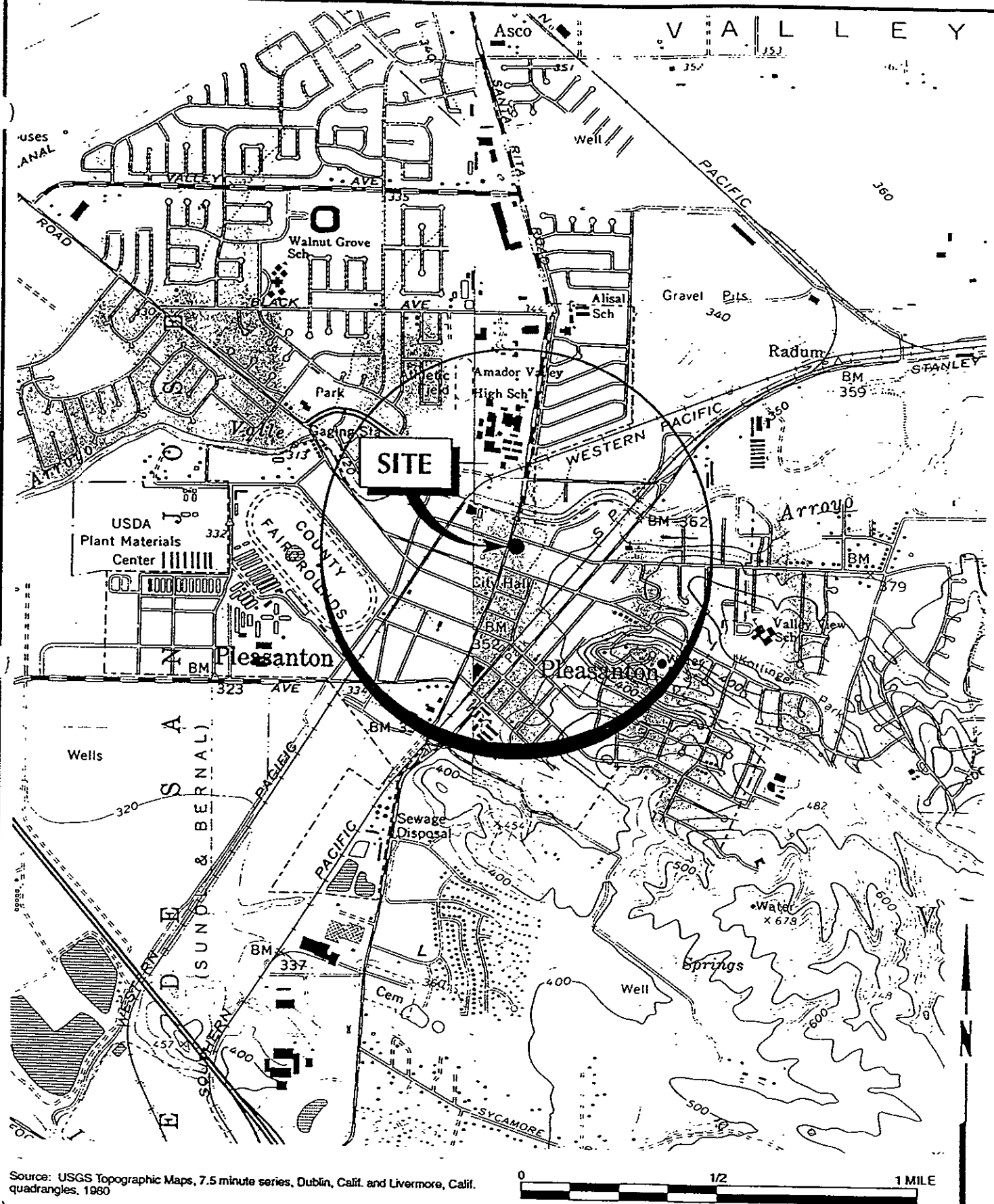
A subsequent investigation was performed during June 1995 to evaluate the vertical extent of soil contamination below the pre-1985 UST complex, and to collect a "grab" water sample for analysis. A single soil boring (MW-1T) was advanced to a total depth of 55' BG through this excavation.

Soil samples (11 total) were reportedly collected at approximate 5' intervals as the boring was advanced. Encountered materials were predominantly silt, silty sand, silty gravel, silty gravelly sand, clayey gravel and sandy clay to the depth explored. Up to 680 ppm TPH-G and ppm-range TEX was reported at the 19.5' depth. Benzene was reportedly not detected. Soil sampled at the subsequent sampling interval (24.5') exhibited a marked (10^{-3}) reduction in HC concentrations; no detectable HCs were noted in samples collected between the 29.5 and 54.5' depths.

Apparent ground water (GW) was reportedly encountered at an approximate depth of 42.5' BG in a clayey gravel, appearing near the contact with an underlying sandy (40% fine to coarse sand) clay unit. The project geologist reported that the sandy clay unit extended a minimum of 10 vertical feet, and consequently terminated the boring.

A temporary casing and filter pack were installed. GW reportedly did not enter the well point, however. Consequently, a water sample was not collected.

Soil data appear to indicate a rapid attenuation of fuel HCs with depth; fuel compounds appear not to have migrated vertically much beyond ~10' below the former tank bottoms. Further, the sandy clay unit encountered at 45' BG would likely inhibit vertical migration of fuel compounds to underlying GW should such be present in appreciable concentrations. No human health risks, therefore, are apparent or expected.



Source: USGS Topographic Maps, 7.5 minute series, Dublin, Calif. and Livermore, Calif. quadrangles, 1980

0 1/2 1 MILE

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RESNA

PROJECT NO. 170131.01 | 9/93

SITE VICINITY MAP

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

PLATE **1**

Touchstone Developments
Environmental Management

Well Installation Report

Former Chevron Service Station Number 9-3934
780 Main Street
Pleasanton, California

prepared for

Chevron U.S.A. Product Company
6001 Bolinger Canyon Road
San Ramon, California

prepared by

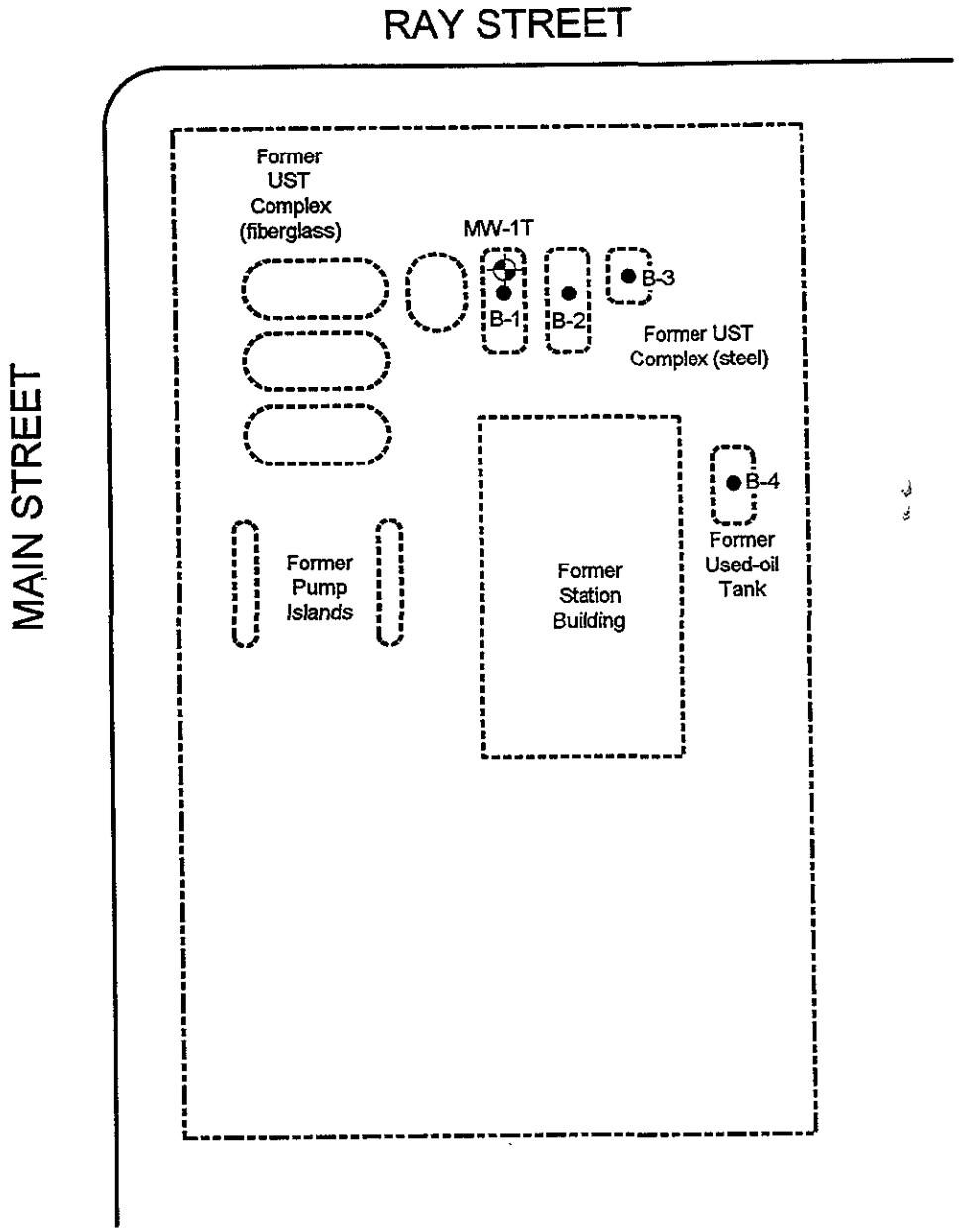
Touchstone Developments
Environmental Management

Timothy J. Walker
Project Manager

Marc W. Seeley C.E.G. #1014
Technical Review

August 21, 1995

17170 Keaton Avenue • Sonoma, CA 95476 • Tel/Fax (707) 935-0601 • Mobile/Fax: (707) 953-0252



EXPLANATION

UST	Underground Storage Tank
MW-1T	Exploratory soil boring/Temporary Monitoring Well location and ID
B-1	RESNA Soil Boring location and ID

0 15 30

approximate scale in feet

N

Touchstone Developments
Environmental Management

SITE PLAN

Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

FIGURE 1

PROJECT NO.	DATE:	DRAWN BY:	BASE MAP
9-3934	8/95	WTJ	RESNA SITE PLAN 10/93

TABLE A
SOIL BORING SAMPLING SUMMARY

Results in mg/Kg - parts per million (ppm)

Soil Boring Sampling Results

Sample ID	Depth (ft.)	Laboratory	Date	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1T-4.0	4	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-9.5	9.5	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-15.0	15	Sequoia	30-Jun-95	**93**	ND	**0.66**	**1.5**	**8.5**
MW-1T-19.5	19.5	Sequoia	30-Jun-95	**680**	ND	**6.4**	**12**	**78**
MW-1T-24.5	24.5	Sequoia	30-Jun-95	ND	ND	**0.0089**	ND	**0.026**
MW-1T-29.5	29.5	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-35.0	35	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-40.0	40	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-44.5	44.5	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-50.0	50	Sequoia	30-Jun-95	ND	ND	ND	ND	ND
MW-1T-54.5	54.5	Sequoia	30-Jun-95	ND	ND	ND	ND	ND

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline

ND = Not detected at or above laboratory detection limits.

Touchstone Developments
Environmental Management

Field Location of Boring:

See Figure 1

Project No. 9-3934	Date: 6/30/95	Boring No. MW-1T
Client: CHEVRON USA PRODUCTS CO		
Location: 780 Main Street		
City: Pleasanton		Sheet 1 of 3
Logged By: rcm	Driller: V&W	

Casing Installation data:
2-inch blank casing 0 - 30 feet; 2-inch slotted well casing 30 - 45 feet open annulus 0 - 26 feet; bentonite 26 - 28 feet; # 3 medium aquarium sand 28 - 45 feet; backfilled bentonite 45 - 55 feet.

Drilling Method: Hollow Stem Auger
Hole Diameter: 8-inch

Top of Box Elevation: Datum:

Water Level			
Time			
Date			

PID (ppm)	Blows Pressure (PSI)	Type of Sample	Sample Number	Depth (ft.)	Sample Interval	Well Detail	Soil Group Symbol (USCS)	
				1				BASEROCK
				2				
				3				
			MW-1T					
0	3	S&H	4.0	4				SILT (ML) - brown (10YR 4/3), damp, stiff, 70% silt, 20% fine sand, low plasticity.
	6							
	6			5				
				6				
				7				
				8				
	6	S&H	MW-1T	9				PEA GRAVEL
0	6		9.5					
	5			10				
				11				
				12				
				13				
48.5	24	S&H		14				SILT (ML) - olive brown (2.5Y 4/4), damp, hard, 85% silt 15% fine sand, low plasticity
	26		MW-1T					
	25		15.0	15				
				16				
				17				
				18				
	14		MW-1T	19				SILTY SAND (SM) - olive brown (2.5Y 4/4), moist, dense, 65% fine to medium sand, 20% silt, 15% pea gravel.
	29		19.5					
277.9	29			20				

Remarks:

Touchstone Developments
Environmental Management

Field Location of Boring:

see Figure 2

Project No. 9-3934	Date: 6/30/95	Boring No.	MW-1T
Client: CHEVRON USA PRODUCTS CO.			
Location: 780 Main Street			
City: Pleasanton		Sheet	2
Logged By: rcm	Driller: V&W	of	3

Casing Installation data:

Drilling Method: Hollow Stem Auger

Hole Diameter: 8-inch

Top of Box Elevation: Datum:

Water Level			
Time			
Date			

PID (ppm)	Blows Pressure (PSI)	Type of Sample	Sample Number	Depth (ft.)	Sample Interval	Well Detail	Soil Group Symbol (USCS)	
				21				SILTY SAND (SM) - yellowish brown (10YR 5/6), dense, damp, 85% fine sand, 15% silt.
				22				
				23				
5.0	21	S&H	MW-1T	24				SAND WITH SILT (ML) - olive brown (2.5Y 4/4), moist, very dense, 90% fne to coarse sand, 10% silt.
	50/6"		24.5					
				25				
				26				
				27				
				28				
0.3	12	S&H	MW-1T	29				GRAVEL WITH SILT (GM-GW) - olive brown (2.5Y 4/4), moist, dense, 60% fine to coarse gravel, 30% fine to coarse sand, 10% silt.
	25		29.5					
	30			30				
				31				
				32				
				33				
	13	S&H						
	28		MW-1T	34				AS ABOVE - increase sand to 40%, decrease gravel to 50% at 33.5 feet
0.0	35		35.0					
				35				
				36				
				37				
				38				
	10							
	29	S&H	MW-1T	39				SILTY SAND (SM) -dark yellowish brown (10YR 4/6), moist, dense, 55% fine to coarse sand, 15% silt, Increase gravel to 35% - very moist at 40.0 feet.
6.0	39		40.0					
				40				

Remarks:

Touchstone Developments
Environmental Management

Field Location of Boring:

see Figure 2

Project No. 9-3934	Date: 6/30/95	Boring No.	MW-1T
Client: CHEVRON USA PRODUCTS CO.			
Location: 780 Main Street			
City: Pleasanton		Sheet	3
Logged By: rcm	Driller: V&W	of	3

Casing Installation data:

Drilling Method: Hollow Stem Auger

Hole Diameter: 8-inch

Top of Box Elevation: Datum:

Water Level			
Time			
Date			

PID (ppm)	Blows Pressure (PSI)	Type of Sample	Sample Number	Depth (ft.)	Sample Interval	Well Detail	Soil Group Symbol (USCS)
				41			
				42			
				43			
	10	S&H		44			
	21		MW-1T				
0.8	31		44.5	45			
				46			
				47			
				48			
	10			49			
	19	S&H	MW-1T				
0.0	28		50.0	50			
				51			
				52			
				53			
0.0	12	S&H	MW-1T	54			
	18		54.5				
	24			55			
				56			
				57			
				58			
				59			
				60			

SILTY SAND WITH GRAVEL (SM) -dark yellowish brown (10YR 4/6), moist, dense, 85% fine to coarse sand, 15% silt, Increase gravel to 35%, very moist at 40.0 feet

CLAYEY GRAVEL (GC) -dark yellowish brown (10YR 4/6), saturated, dense, 60% fine gravel, 15% clay (caliche)

CLAY (CL) -yellowish brown (10YR 4/6), moist, hard, 60% clay (Caliche), 40% fine to coarse sand, medium plasticity.

AS ABOVE

AS ABOVE - decrease sand to 30% at 53.5 feet

BOTTOM OF BORING AT 55 FEET
6/30/95

Remarks:

RESNA
Working to Restore Nature

73 Digital Drive
Novato, CA 94949
Phone: (415) 382-7400
Fax: (415) 382-7415

REPORT
SUBSURFACE ENVIRONMENTAL INVESTIGATION

at
Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

Prepared for:

Mr. Kenneth Kan
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583

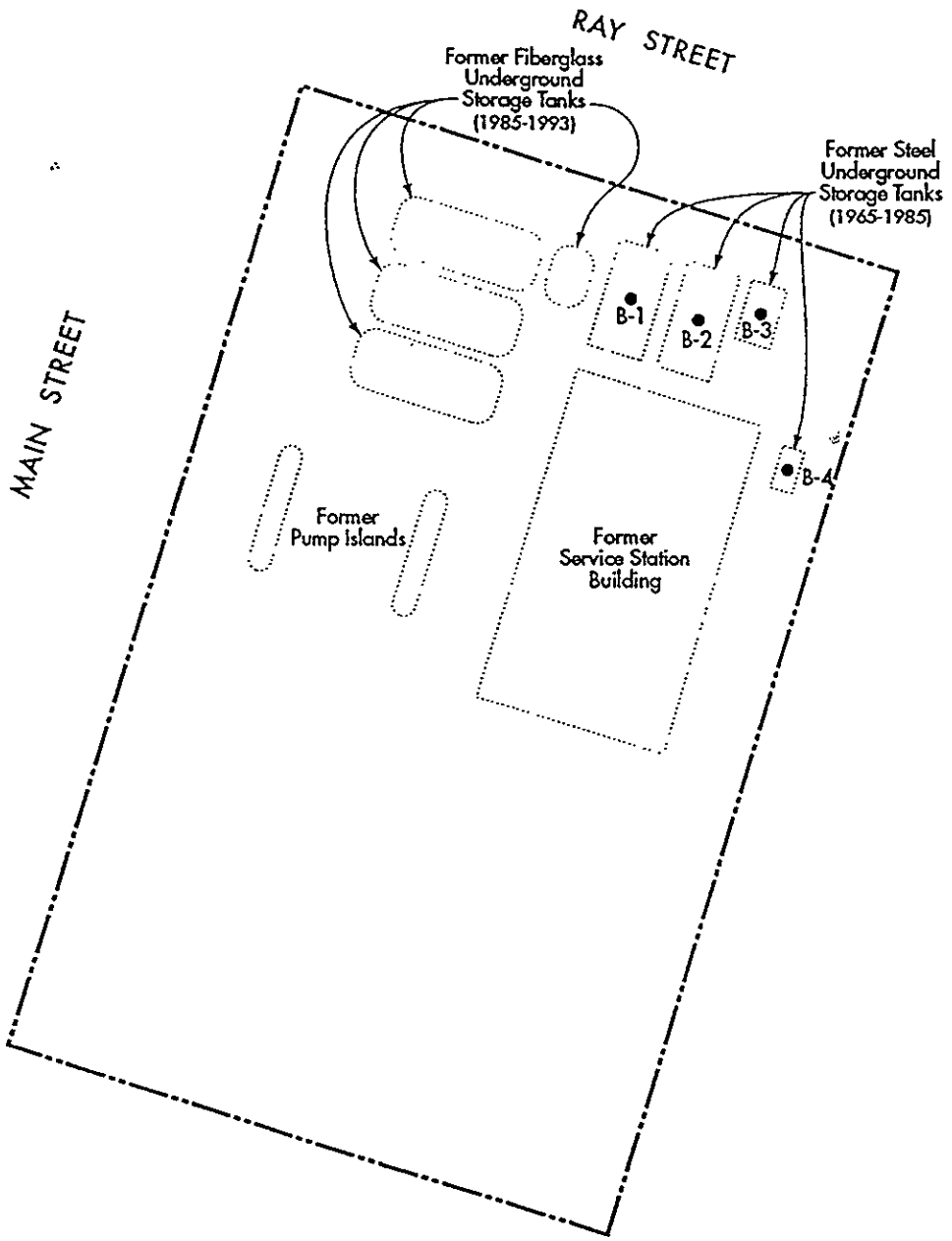
Prepared by:

RESNA Industries Inc.
73 Digital Drive
Novato, CA 94949

Erich A. Neupert
Staff Geologist

Michael L. Siembieda
Geoscience Manager
R.G. 4007

November 1, 1993



EXPLANATION

● B-1 Soil boring

N

0 30' 60' 90'

Base Map Source: Site Plan by Touchstone Developments, 1993

RESNA

PROJECT NO. 170131.01 | 10/93

GENERALIZED SITE PLAN

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

PLATE 2

RESNA
Working to Restore Nature

Table 1

SOIL ANALYTICAL RESULTS
Former Chevron Service Station No. 9-3934
780 Main Street, Pleasanton, California
(Page 1 of 2)

Sample	Date	TPHg	TPHd	B	T	E	X	TOG
S-8.3-B1	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-11.5-B1	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-16.5-B1	10/05/93	850	NA	<0.005	5.9	11	66	NA
S-8.3-B2	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-11.5-B2	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-16.5-B2	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-8.3-B3	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-11.5-B3	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-16.5-B3	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA
S-8.4-B4	10/05/93	<1	<1	<0.005	<0.005	<0.005	<0.015	<50
S-11.5-B4	10/05/93	<1	<1	<0.005	<0.005	<0.005	<0.015	<50
S-16.5-B4	10/05/93	<1	NA	<0.005	<0.005	<0.005	<0.015	NA

fill – native

(See notes on page 2 of 2)

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Working to Restore Nature

Table 1 (continued)

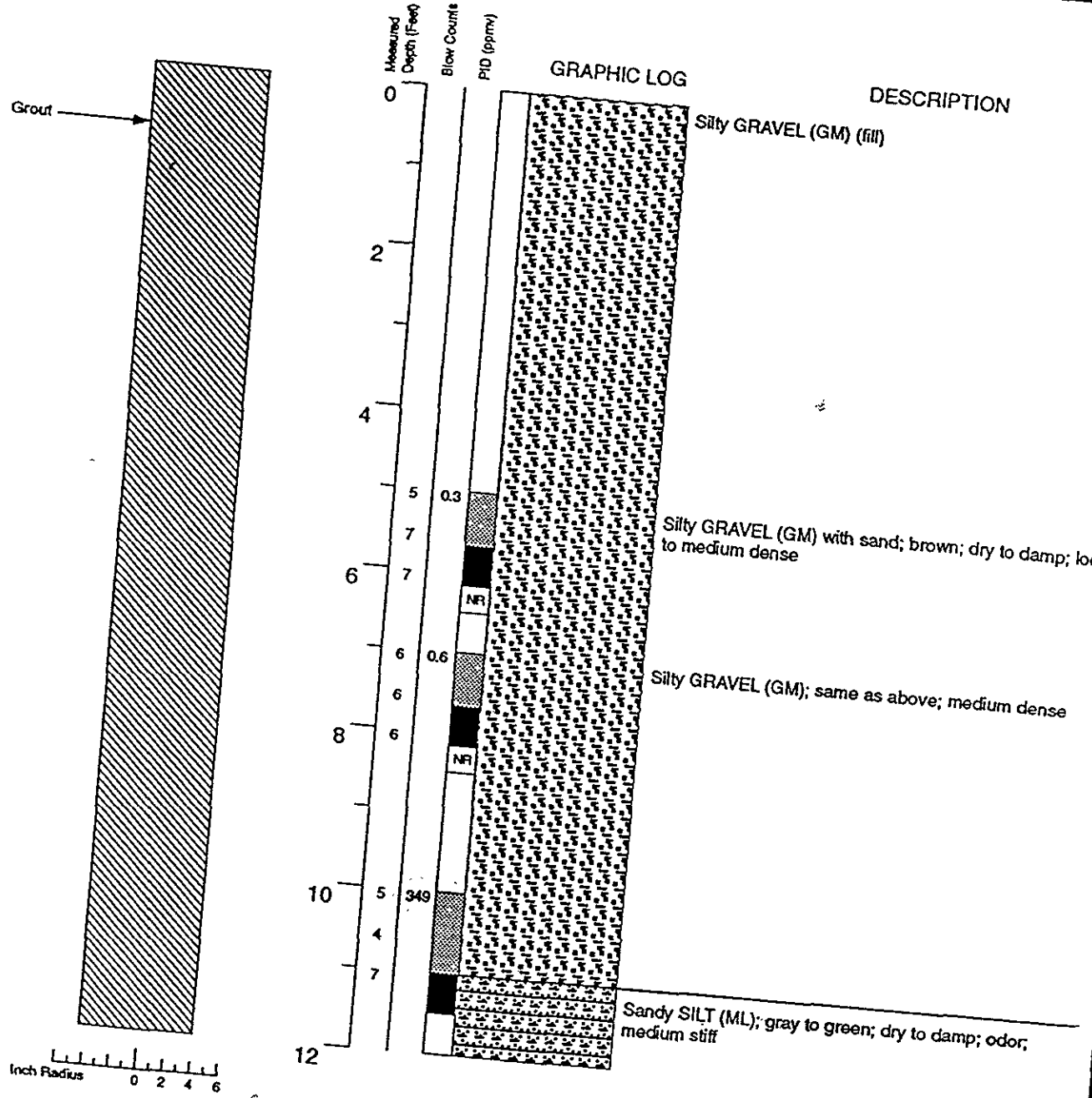
SOIL ANALYTICAL RESULTS
Former Chevron Service Station No. 9-3934
780 Main Street, Pleasanton, California
(Page 2 of 2)

Sample	Date	Cadmium	Chromium	Lead	Nickel	Zinc	VOCs	Organic Lead
S-16.5-B1	10/05/93	NA	NA	NA	NA	NA	NA	<2
S-8.4-B4	10/05/93	<0.5	32	40	40	45	ND*	NA
S-11.5-B4	10/05/93	<0.5	35	6	54	42	ND*	NA

Notes:

All results in parts per million (ppm)

S	=	Soil sample
6.5	=	Sample depth
B1	=	Boring 1
TPHg	=	Total petroleum hydrocarbons as gasoline.
TPHd	=	Total petroleum hydrocarbons as diesel.
TOG	=	Total oil and grease
B	=	Benzene
E	=	Ethylbenzene
T	=	Toluene
X	=	Total xylenes
VOCs	=	Volatile Organic Compounds
*	=	All analytes were less than laboratory detection limits
<	=	Less than indicated detection limit established by the laboratory
NA	=	Not analyzed



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XPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Charlie Lawrence
Project Mgr:	Justin Power
Dates Drilled:	10/4/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	none
Type of Sampler:	2½" split barrel
TD (Total Depth):	16.5 feet

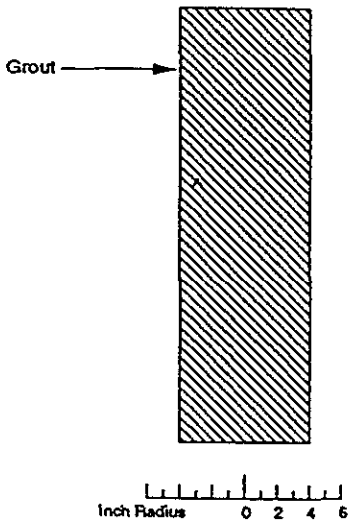
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-1

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING **B-1**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
	6	0.9		Sandy SILT (ML) with very fire-grained sand; orange-brown; dry to damp; medium stiff to very stiff
	23			
14	40			
	22	0.9		Sandy SILT (ML) with gravel; orange-brown; dry to damp; very stiff to hard
	30			
16	50			TD @ 16.5 ft.
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

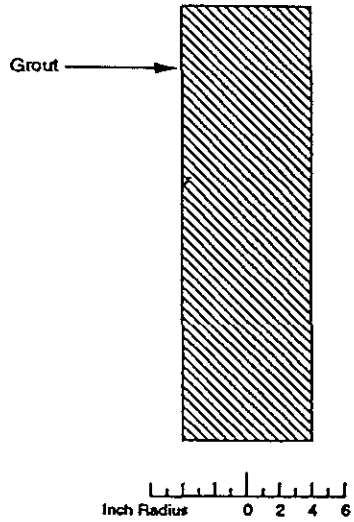
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-4

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING B-4



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
14				
	10	1537		Sandy SILT (ML); gray to green; dry to damp; stiff to very stiff; odor
	20			
16	25			TD @ 16.5 ft.
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

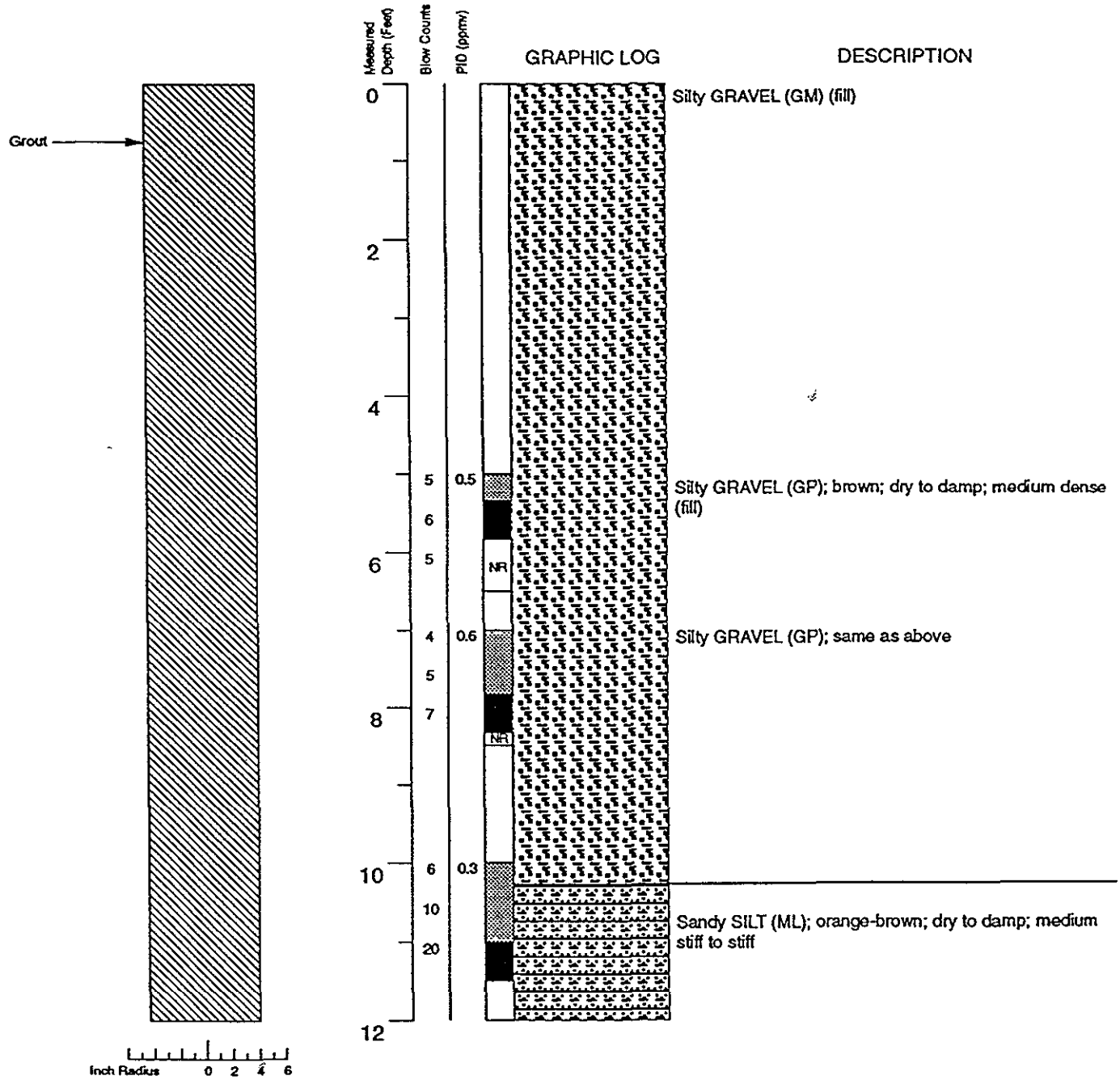
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-1

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING **B-1**



continues

Logged by:	Charlie Lawrence
Project Mgr:	Justin Power
Dates Drilled:	10/5/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	none
Type of Sampler:	2½" split barrel
TD (Total Depth):	16.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

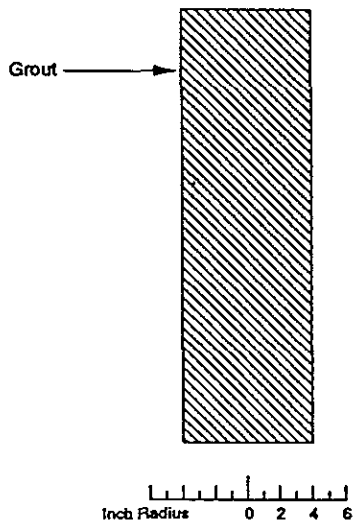
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-2

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING **B-2**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
14				
	10	0.6		Sandy SILT (ML) with fine- to medium-grained gravel; orange-brown; medium stiff to stiff
16	16			
	20			TD @ 16.5 ft.
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

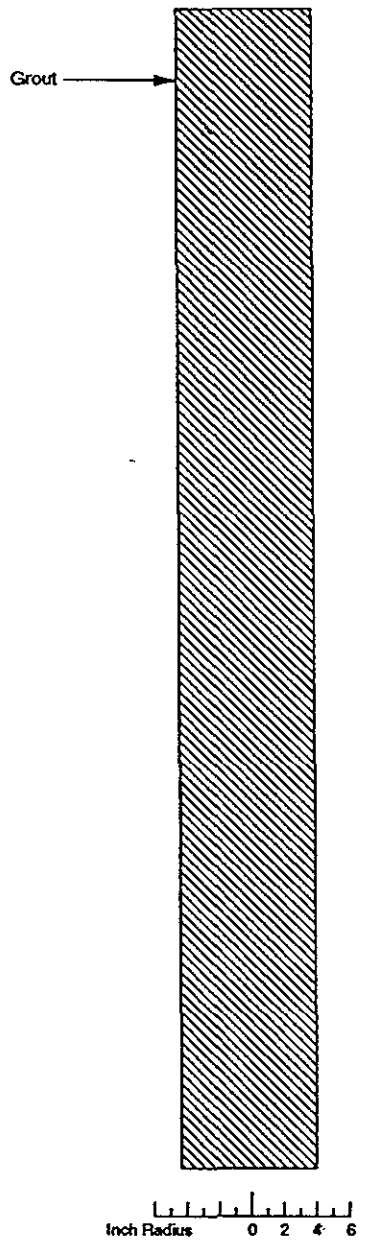
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-2

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING B-2



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Silty GRAVEL (GM) (fill)
2				
4				
	8	0.6		Silty GRAVEL (GM) with sand and medium- to coarse-grained gravel; orange-brown; dry to damp; medium dense to dense (fill)
	16			
6	28			
	NR			
	13	0.6		Silty GRAVEL (GM); same as above; dense
	14			
8	14			
	NR			
	13	0.6		Sandy SILT (ML) with fine-grained sand; orange-brown; dry to damp; stiff to very stiff
10	25			
	37			
12				

continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Charlie Lawrence
Project Mgr:	Justin Power
Dates Drilled:	10/5/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	none
Type of Sampler:	2½" split barrel
TD (Total Depth):	16.5 feet

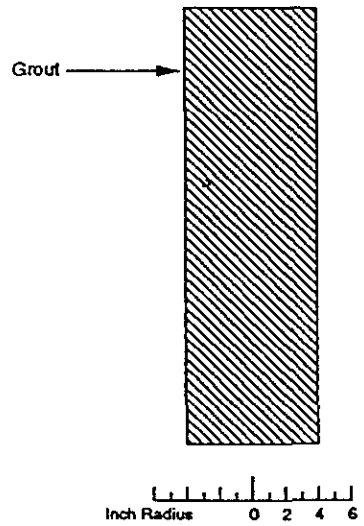
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-3

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING B-3



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
14				
	17	0.6		Sandy SILT (ML) with fine-grained sand; orange-brown; dry to damp; stiff to hard
	30			
16	43			
				TD @ 16.5 ft.
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

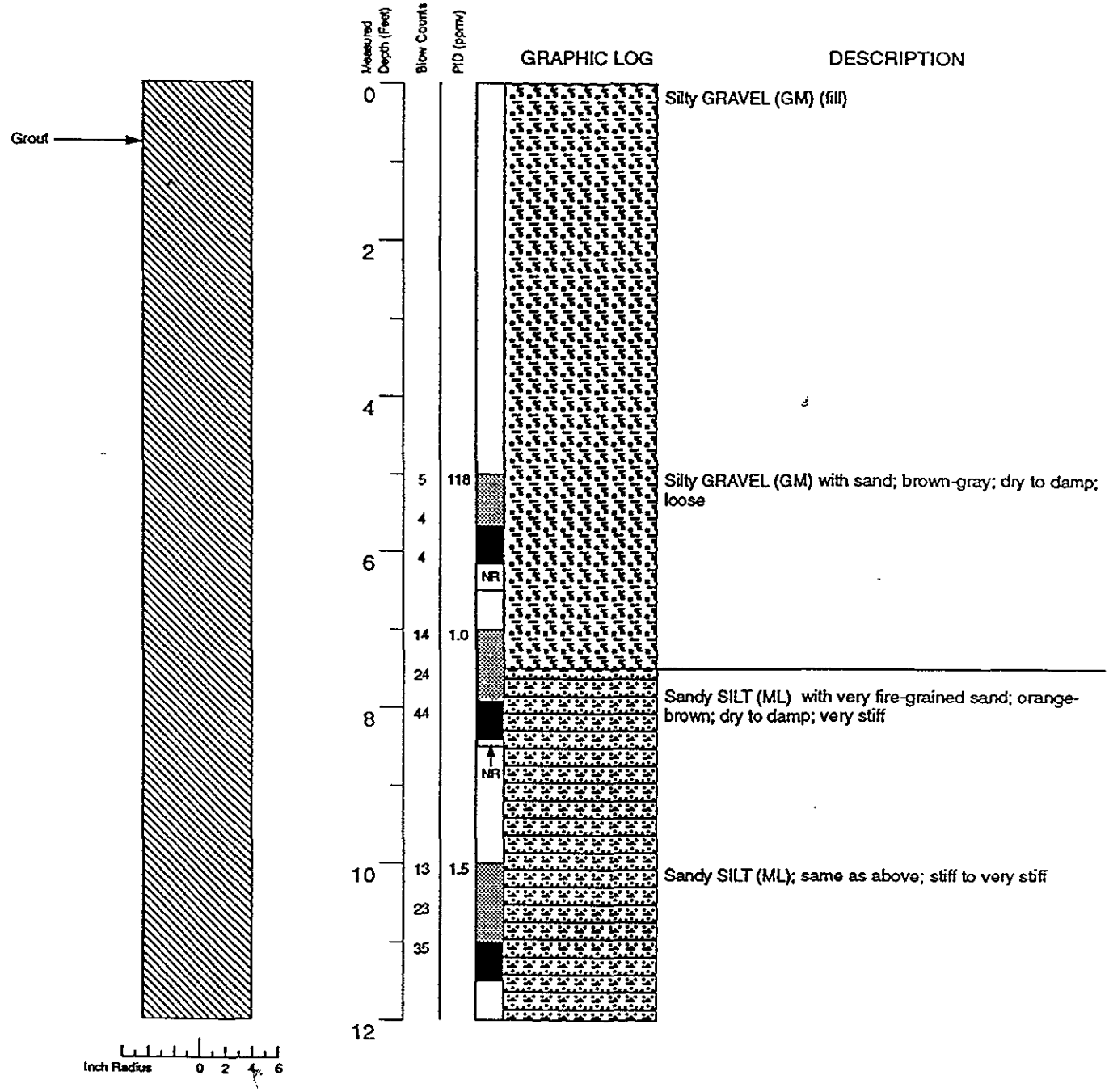
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-3

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING **B-3**



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EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Charlie Lawrence
Project Mgr:	Justin Power
Dates Drilled:	10/5/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	none
Type of Sampler:	2½" split barrel
TD (Total Depth):	16.5 feet

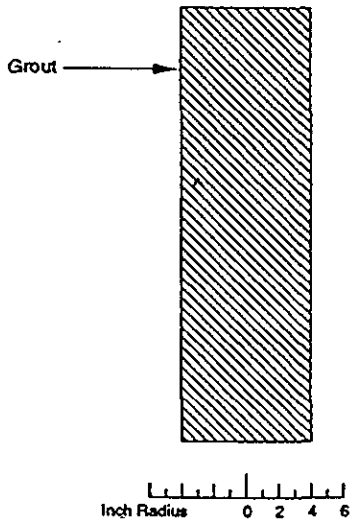
RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-4

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING **B-4**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
	6	0.9		Sandy SILT (ML) with very fire-grained sand; orange-brown; dry to damp; medium stiff to very stiff
	23			
14	40			
	22	0.9		Sandy SILT (ML) with gravel; orange-brown; dry to damp; very stiff to hard
	30			
16	50			TD @ 16.5 ft.
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

RESNA

PROJECT NO. 170131.01 | 10/93

BORING LOG—Boring B-4

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

BORING B-4

Touchstone Developments
Environmental Management

UNDERGROUND STORAGE TANK REMOVAL REPORT

Former Chevron Service Station No. 9-3934
780 Main Street
Pleasanton, California

Prepared for

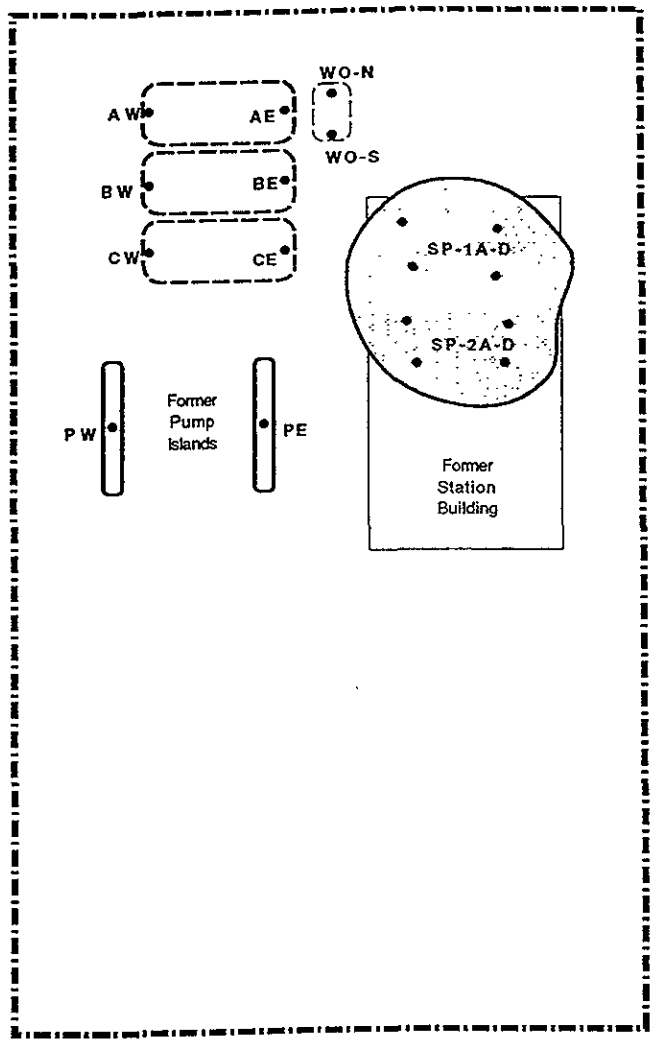
Chevron U.S.A.
2410 Camino Ramon
San Ramon, California 94583

by

Touchstone Developments

August 26, 1993

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112



LEGEND

- Former Underground Storage Tank
- Stockpiled Soil
- • AE — Sample Location

N

SCALE 1" = 30'

Touchstone Developments
Environmental Management

Site Plan & Sample Locations
Former Chevron Service Station No. 9-3934
Main and Ray Street
Pleasanton, California

Figure 2	
8/17/93	mjt
Project # 3934-2	

TABLE A: Aalytical Summary

Analytic Results in Parts Per Million (ppm) Unless Noted

FUEL TANK SAMPLES

Sample Number	Sample Depth (ft)	Date Sampled	Laboratory	TPH-Gas	Benzene	Toluene	Ethyl-benzene	Xylene
AW	13.0	8/4/92	Superior	ND	ND	ND	ND	ND
AE	13.5	8/4/92	Superior	ND	ND	ND	ND	ND
BW	13.5	8/4/92	Superior	ND	ND	ND	ND	ND
BE	13.5	8/4/92	Superior	ND	ND	ND	ND	ND
CW	13.5	8/4/92	Superior	ND	ND	ND	ND	ND
CE	13.0	8/4/92	Superior	ND	ND	ND	ND	ND

PRODUCT LINE SAMPLES

Sample Number	Sample Depth (ft)	Date Sampled	Laboratory	TPH-Gas	Benzene	Toluene	Ethyl-benzene	Xylene
PW	2.5	8/4/92	Superior	2	0.008	ND	ND	ND
PE	2.5	8/4/92	Superior	ND	ND	ND	ND	ND

WASTE OIL TANK SAMPLES

Sample Number	Sample Depth (ft)	Date Sampled	Laboratory	TPH-Gas	Benzene	Toluene	Ethyl-benzene	Xylene	TOG
WO-S	8.0	8/4/92	Superior	ND	ND	ND	ND	ND	ND
WO-N	8.0	8/4/92	Superior	ND	ND	ND	ND	ND	ND

Sample Number	Sample Depth (ft)	Date Sampled	Laboratory	8010	8270	Cd	Cr	Pb	Ni	Zn
WO-S	8.0	8/4/92	Superior	ND	ND	ND	30	ND	49	33
WO-N	8.0	8/4/92	Superior	ND	ND	ND	32	ND	41	33

STOCKPILE SAMPLES

Sample Number	Date Sampled	Laboratory	TPH-Gas	Benzene	Toluene	Ethyl-benzene	Xylene
SP-1a-d	8/4/92	Superior	ND	ND	ND	ND	ND
SP-2a-d	8/4/92	Superior	ND	ND	ND	ND	ND

ND = not detected at or above detection limits
NA = not applicable
ppm = parts per million
ppb = parts per billion
TOG= Total Petroleum Hydrocarbons calculated as Total Oil & Grease