Chevron U.S.A. Products Company
2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

December 22, 1992

Mr. Brian Oliva
Alameda County Health Services Agency
Environmental Health Department
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station No. 9-4930
3369 Castro Valley Blvd., Castro Valley, CA 94546

Dear Mr. Oliva:

Enclosed is a subsurface environmental investigation report on the above referenced site prepared by RESNA under the direction of Chevron and dated December 16, 1992.

Briefly, ten (10) machine augered borings and six (6) hand augered borings were drilled on-site on November 23 - 25, 1992. Hydrocarbon impacted soil was detected in borings B-1 at 6 ft., B-3 at 10.25 ft., B-4 at 11.25 ft., B-8 at 10.5 ft., and H-5 at 5.5 ft. Benzene was absent from all soil samples. Total petroleum hydrocarbon as gasoline was present in B-1 at 79 ppm, B-3 at 96 ppm, B-4 at 2500 ppm, and B-8 at 36 ppm. Total oil and grease was detected in H-5 at 57 ppm. Four (4) of the machine augered borings were converted into temporary groundwater monitoring wells. Dissolved hydrocarbon was detected in all wells. Concentrations ranged from 23 to 800 ppb benzene and from 2700 to 23000 ppb total petroleum hydrocarbon as gasoline. Depth to water was approximately 11 to 12 ft.

In January, Chevron will closed the station and will remove all product lines and tanks. Future actions will depend on information gathered after the tank removal.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan

Kenneth Kan
Engineer

LKAN/MacFile 9-4930R1

Enclosure

cc: Mr. Richard Hiett, RWQCB-S.F.Bay Region
2101 Webster Street, Suite 500, Oakland, CA 94612

Ms. Bette Owen, Chevron U.S.A. Products Co.

RESNA
Working to Restore Nature

73 Digital Drive
Novato, California 94949-5704
Phone: (415) 382-7400
FAX: (415) 382-7415

REPORT
SUBSURFACE ENVIRONMENTAL INVESTIGATION

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Prepared for:

Mr. Kenneth Kan
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

Dec 1992

Prepared by:

RESNA Industries Inc.
73 Digital Drive
Novato, CA 94949

Barry I. Marcus
Project Geologist

Richard H. Walls, P.E.
Senior Project Engineer

December 16, 1992

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SUBSURFACE ENVIRONMENTAL INVESTIGATION REPORT

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

for

Chevron U.S.A. Products Company

1.0 INTRODUCTION

At the request of Chevron U.S.A. Products Company (Chevron), RESNA Industries (RESNA) conducted a subsurface environmental investigation at Chevron Service Station No. 9-4930, located at 3369 Castro Valley Boulevard in Castro Valley, California (Plate 1). Work RESNA performed during this investigation included engaging a utility locator service prior to drilling at the site, advancing ten soil borings using a drilling rig, advancing six soil borings using a hand-held auger, installing new temporary groundwater monitoring well casing in four of the drilled soil borings, sampling soil and groundwater, submitting selected soil and groundwater samples for laboratory analyses, removing temporary well casing from the borings following collection of groundwater samples, performing a survey of water wells in the site vicinity, performing an off-site source investigation, and preparing this report. The purpose of this investigation was to evaluate whether residual petroleum hydrocarbons were present in unsaturated soil at the site, and whether groundwater has been impacted by petroleum hydrocarbons.

2.0 BACKGROUND

2.1 Previous Work

Information in Chevron's files indicates that no previous environmental investigations have been performed at the site.

2.2 Water Well Survey

At the request of Chevron, RESNA personnel conducted a search of water-well records on file at the California Department of Water Resources (DWR) in Sacramento. According to DWR files, there are 58 water wells within a one-half mile radius of the project site. Data pertaining to the identified water wells is in Appendix A. Additional wells undocumented by the DWR may be present in the site vicinity.

3.0 FIELD INVESTIGATION

3.1 Site-Specific Health and Safety Plan/ Background Review/ Permitting

RESNA prepared a Site-Specific Health and Safety Plan required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The Site-Specific Health and Safety Plan was prepared by RESNA personnel following a review of site conditions with the project manager. The document was reviewed by all RESNA project and field personnel, and subcontractor personnel performing work at the site.

RESNA conducted the investigation in accordance with RESNA Work Plan No. 17068-1W (dated November 20, 1992). The work plan was prepared following review of pertinent technical information. A drilling permit was obtained from the Alameda County Flood Control & Water Conservation District, Zone 7. Copies of permits obtained during this investigation are in Appendix B. RESNA's standard methods for conducting field investigations are described in Appendix C.

3.2 Drilled Soil Borings and Sampling

On November 23 and 24, 1992, a geologist from RESNA observed Kvilhaug Well Drilling of Concord, California, drill ten soil borings (B-1 through B-10) using a truck-mounted drill rig equipped with 8-inch hollow-stem augers. The locations of the borings are shown on the Generalized Site Plan (Plate 2). Soil borings B-1 to B-4 were drilled to depths of approximately 15-feet below grade; which was approximately four feet below the groundwater surface. Borings B-5 through B-10 were drilled to an approximate depth of eleven feet. Soil sampling equipment was decontaminated with a solution of phosphate-free soap between sampling to minimize the possibility of cross-contamination. The field geologist logged the earth materials encountered during drilling using the Unified Soil Classification System. Logs of borings B-1 through B-10 are in Appendix D. Drill cuttings from each boring were placed on plastic sheeting pending characterization and disposal .

During drilling of soil borings B-1 through B-10 soil samples were collected at five-foot intervals. Samples were collected using a 2.5 inch outside diameter California-modified split-spoon sampler, lined with cleaned brass sample tubes. At each sampling depth the sampler was driven 18 inches ahead of the augers. Soil samples were screened in the field using a photoionization detector (PID). PID-detected hydrocarbon concentrations are shown on the boring logs. One sample from each five-foot interval was sealed with aluminum foil, capped, secured with teflon tape, labeled, placed on ice in an insulated container, and delivered under chain-of-custody protocol to a California-certified laboratory for chemical analysis.

3.3 Hand-Augered Soil Borings and Sampling

On November 24 and 25, 1992, RESNA's geologist used a hand-held auger to advance six soil borings (H-1 through H-6). The locations of these borings are shown on Plate 2. Soil borings H-1, H-2, H-4, and H-6 were advanced to a depth of approximately 5 feet below grade. An obstruction (concrete debris) was encountered at a depth of about one foot in boring H-4 which was the total depth of the boring. Boring H-5 was advanced to an approximate depth of ten feet. Prior to collecting each soil sample, and between each boring, our geologist decontaminated the hand auger to minimize the possibility of cross-contamination. Our geologist logged the earth materials encountered during hand-

? H-4 or H-3 ?

near former waste oil tank

augering using the Unified Soil Classification System. Logs of borings H-1 through H-6 are in Appendix D. Drill cuttings from each hand-augered boring were placed on plastic sheeting pending characterization and disposal.

During hand-augering of soil borings H-1 through H-6 our geologist used a hand-operated percussion sampling device to collect soil samples. Soil samples were collected from the base of each boring, and from a depth of five feet in boring H-5. Samples were prepared for laboratory analysis in the manner described above.

3.4 Temporary Monitoring Well Construction and Sampling

After drilling to approximately four feet below the first encountered groundwater in borings B-1 through B-4, a temporary ground-water monitoring well was placed into each boring through the hollow stem of the augers. Temporary monitoring wells were constructed of schedule 40, flush-threaded, 2-inch diameter blank casing, and well screen with 0.010-inch slots. After placing a temporary well in each boring, the drillers pulled the hollow stem augers up about five feet to allow groundwater to enter the well screen. Our geologist then used a cleaned Teflon bailer to collect a water sample for subjective analysis; no free phase product or sheen was detected in any of the groundwater samples collected for subjective analysis. After collecting a groundwater sample for subjective analysis, our geologist bailed each well dry, then allowed each well to recharge an amount sufficient to collect a groundwater sample. Each sample was acidified, labeled, and placed on ice in an insulated container for delivery under chain-of-custody protocol to a California-certified laboratory. Water bailed from each temporary well was retained on site in a DOT-approved 55-gallon drum pending disposal.

4.0 SITE CONDITIONS

4.1 Geology and Hydrogeology

Unconsolidated sediments beneath the site consist primarily of silty clay and clay. Descriptions of the materials encountered are shown on the boring logs. Ground water was first encountered in a sandy silt and clay at an approximate depth of 11 to 12 feet below grade.

5.0 LABORATORY ANALYSES

Nineteen soil samples collected from the drilled and hand-augered soil borings were selected for laboratory analysis. Each sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015 (modified for gasoline) and benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8020. Soil samples collected from boring H-5 were also analyzed for TPH as diesel (TPHd), and total oil and grease (TOG). Groundwater samples were analyzed for TPHg and BTEX using EPA Methods 8015 (modified) and 602, respectively.

8010? 8270? metals??
- for samples near waste oil tank, boring H-5

6.0 LABORATORY ANALYTICAL RESULTS

6.1 Soil

Results of all soil samples analyses are summarized in Table 1. Laboratory analytical reports are included in Appendix F. TPHg was detected in four soil samples at concentrations ranging from 36 to 2,500 parts per million (ppm). Detected BTEX concentrations are shown in Table 1. TOG was detected in one soil sample collected from a depth of 5.5 feet in boring H-5, which was advanced near the former waste-oil tank.

6.2 Groundwater

TPHg was detected in each groundwater sample. TPHg concentrations ranged from 2,700 parts per billion (ppb) to 23,000 ppb. Benzene concentrations detected in groundwater samples ranged from 23 ppb to 800 ppb. Results of all ground-water sample analyses are summarized in Table 2; laboratory analytical reports are included in Appendix E.

7.0 LITERATURE SEARCH/OFF-SITE SOURCE POTENTIAL

Chevron requested that RESNA evaluate potential offsite sources of petroleum hydrocarbons. RESNA utilized the environmental record search firm BBL, of Solana Beach, California, to identify sites within one mile of the site that have had releases of hazardous substances to the subsurface or have the potential for such releases. Information provided by BBL was obtained from databases maintained by the California Environmental Protection Agency, Department of Toxic Substances Control; the California State Water Resources Control Board; the U.S. Environmental Protection Agency; and the Contra Costa County Health Services Department, Environmental Health Division. BBL's report, including a map of existing and potential release sites, is included as Appendix F. Five sites within approximately 750 feet of Chevron Service Station No. 9-4930 were listed on the Leaking Underground Storage Tank Information System maintained by the State Water Resources Control Board. These sites include (1) Arnold Property at 3234 Castro Valley Boulevard; (2) Sal's Foreign Car Service at 3343 Castro Valley Boulevard; (3) Sal's Foreign Car Service at 20845 Wilbeam Avenue; (4) Xtra Oil at 3495 Castro Valley Boulevard; and (5) a Shell service station at 3496 Castro Valley Boulevard. According to information in BBL's report, preliminary site investigations have been undertaken at the Arnold Property and Xtra Oil sites, but not at Sal's Foreign Car Service (both locations) or the Shell service station. Other potential off-site sources of petroleum hydrocarbons within a one-mile radius of Chevron service station #9-4930 are indicated in Appendix G.

8.0 LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of soil and ground water beneath the site. No soil engineering or geotechnical recommendations are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available. Additional work, including further subsurface investigation, can reduce the inherent uncertainties associated with this type of investigation.

9.0 REFERENCES

RESNA Industries Inc., November 20, 1992, *Work Plan for Evaluation of Soil and Groundwater at Chevron Service Station No. 9-4930, 3369 Castro Valley Boulevard, Castro Valley, California.*

Table 1

SOIL ANALYTICAL RESULTS
Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California
(page 1 of 2)

Sample Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg	TPHd	TOG	HVO
B-1 6.0	11/24/92	<0.1	0.087	1.0	1.9	79	---	---	---
B-1 11.25	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-2 11.25	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-3 10.25	11/24/92	<0.025	<0.025	0.063	3.5	96	---	---	---
B-4 11.25	11/24/92	<0.5	5.1	20	130	2,500	---	---	---
B-5 10.75	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-6 10.6	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-7 10.6	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-8 10.5	11/24/92	<0.50	0.056	0.47	1.4	36	---	---	---
B-9 5.5	11/24/92	<0.005	<0.005	<0.005	0.10	<1	---	---	---
B-9 11.0	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
B-10 11.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
H-1 5.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
H-2 5.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
H-3 5.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
H-4 1.0	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---
H-5 5.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	<10	57	---
H-5 10.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	<10	<50	ND
H-6 5.5	11/24/92	<0.005	<0.005	<0.005	<0.005	<1	---	---	---

Notes: See page 2 of 2

Table 1

SOIL ANALYTICAL RESULTS
Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California
(page 2 of 2)

Sample Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg	TPHd	TOG	HVO
A,B,C,D,*	8/10/92	0.008	0.024	0.008	.053	ND<1	---	---	---

All results in parts per million (ppm)

TPHg	=	Total Petroleum Hydrocarbons as Gasoline.
TPHd	=	Total Petroleum Hydrocarbons as Diesel
TOG	=	Total Oil and Grease
HVO	=	Halogenated Volatile Organics
ND	=	Not Detected
---	=	Not analyzed
<	=	Less than detection limit established by the laboratory
*	=	Cuttings

17040.01

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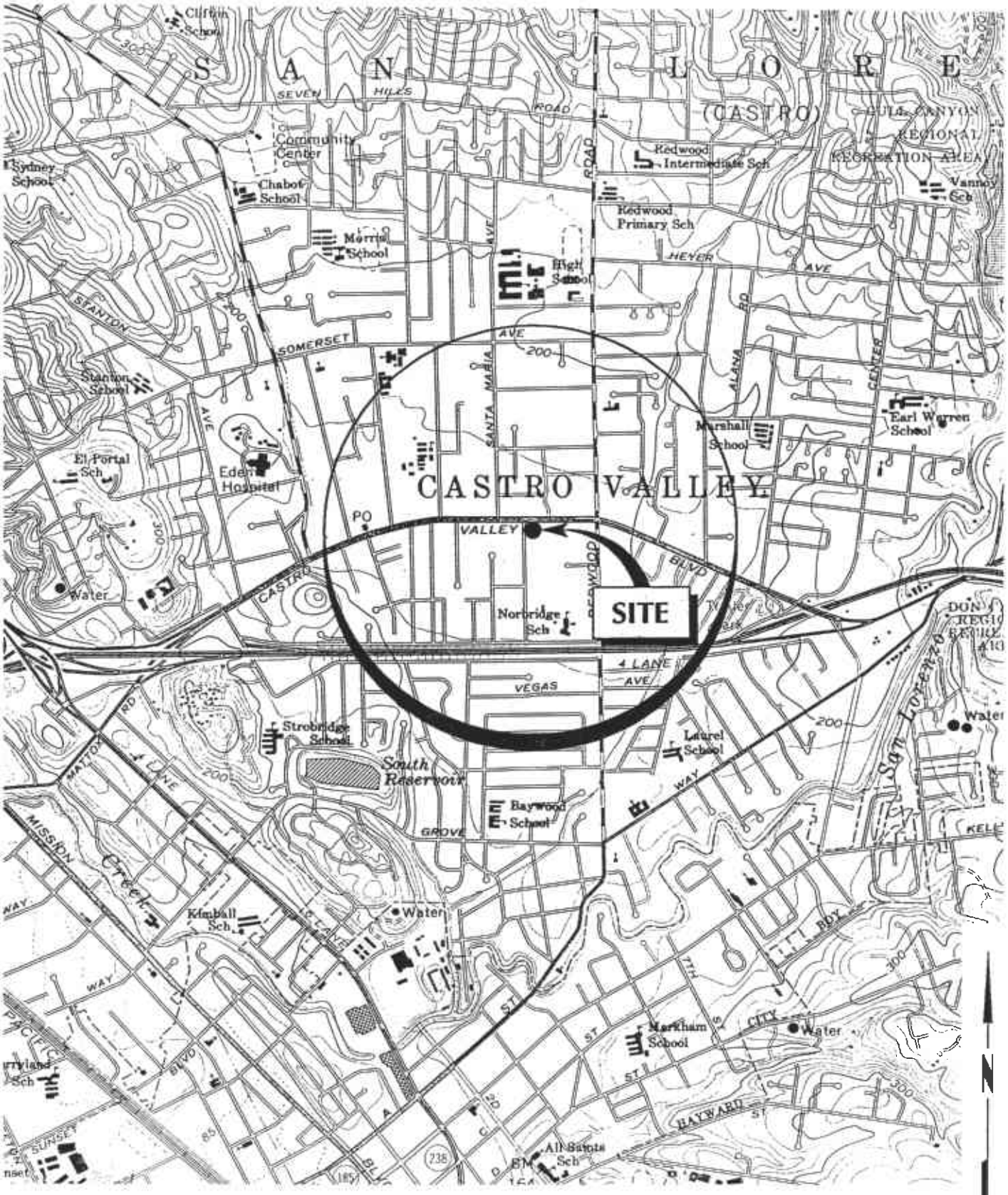
Table 2

GROUNDWATER ANALYTICAL RESULTS
Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Sample Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg
B-1	11/2392	51	120	2,300	87	2,700
B-2	11/23/92	23	11	470	1,100	13,000
B-3	11/23/92	800	38	1,000	2,000	23,000
B-4	11/23/92	190	13	240	690	15,000

All results in parts per billion (ppb)
TPHg = Total Petroleum Hydrocarbons as Gasoline.



Source: USGS Topographic Map, 7.5 minute series, Hayward, Calif. quadrangle, 1980

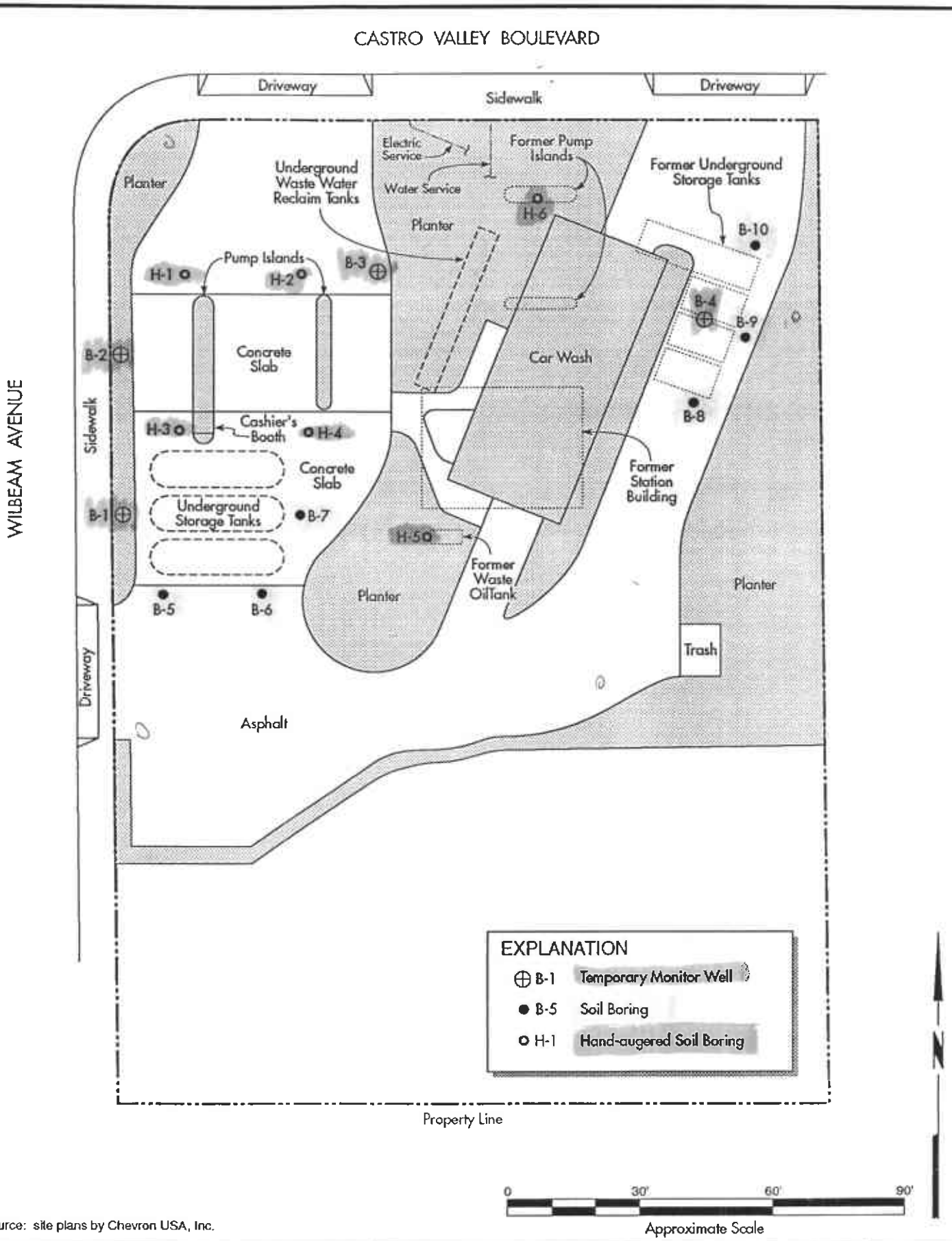
RESNA

PROJECT NO. 17068.01 | 11/92

SITE VICINITY MAP

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

FIGURE
1



Source: site plans by Chevron USA, Inc.

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PROJECT NO. 17068.01 | 11/92

GENERALIZED SITE PLAN

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

FIGURE 2

APPENDIX A

WATER WELL INVENTORY

WATER WELL INVENTORY

OWNER	OWNER'S ADDRESS	YEAR DRILLED	USE
Wolfe	Forest Ave., Castro Valley	1949	Domestic/Unknown
Martin's Nursery	20115 Forest Ave., Castro Valley	1953	Irrigation
Martin's Nursery	20115 Forest Ave., Castro Valley	1953	Irrigation
Martin's Nursery	20115 Forest Ave., Castro Valley	1953	Irrigation
Martin's Nursery	20115 Forest Ave., Castro Valley	1949	Unknown
Jack Luse	19910 Forest Ave.	1977	Irrigation
Adobe Plaza	3098 Castro Valley Blvd.	1989	MW
Adobe Plaza	3098 Castro Valley Blvd.	1989	MW
Adobe Plaza	3098 Castro Valley Blvd.	1989	MW
Ted Sims Extra Oil Co.-Shell Station	2307 Pacific Ave., Alameda, CA	1990	MW
Ted Sims Extra Oil Co.-Shell Station	2307 Pacific Ave., Alameda, CA	1990	MW
Ted Sims Extra Oil Co.-Shell Station	2307 Pacific Ave., Alameda, CA	1990	MW
Mitzi Stockel	Unknown	1990	5-MWs
R.T. Nahas Co. - Unocal	Unknown	1989	5-MWs
Curtis or Breed	Near Breed Property, near Milford Gardens	1928	Unknown
Seamoor Lodge Curtis	Possibly Breed Property, below Mulford Gardens	1957	Unknown
Robert D. Rousey	20283 Yeandle Avenue, Castro Vallley	1977	Irrigation
Howard W. Buckhart	20551 Forest Avenue, Castro Valley	1950	Unknown
Mr. Ornedas	20287 Marshal Street, Castro Valley	1977	Irrigation
William Smith	8045 Louna, Castro Valley	1956	Irrigation
Mrs. Wilson	8878 Redwood Road, Castro Valley	1954	Test Well
Henry Hertlien	8878 Redwood Road, Castro Valley	1988	MW
William Duncan	Unknown	1950	Unknown
Bill Jensen	3223 Leonard Drive, Hayward	1980	Domestic
Louis Floyd	20036 Anita Ave., Castro Valley	1953	Domestic
Eden Township Hosp.- McLenahan Co.	2301 Palm Ave., San Mateo	1953	Test
Eden Township Hosp.- McLenahan Co.	2301 Palm Ave., San Mateo	1952	Domestic
Eden Township Hosp.- McLenahan Co.	2301 Palm Ave., San Mateo	1952	Cooling System
Thrifty Oil Company	2504 Castro Valley Blvd., Castro Valley	1988	1-7 MWs
Anthony B. Varini	22771 Main Street, Hayward, CA	1988	Test
Unocal Corporation	2000 Crow Canyon Place, #400, San Ramon	1990	3 Test MWs 1-3
Unocal Corporation	2000 Crow Canyon Place, #400, San Ramon	1990	1 MW #4
BP Oil Company	2818 Prospect Park Drive, Rancho Cordova, CA	1990	3 MWs
Texaco Refining and Marketing Inc.	10 Universal City Place, Universal City, CA	1987	MW 1-3
SAA	Unknown	1990	MW 4-5
Weinke	Unknown	1949	Unknown
Centennial Bank	Unknown	1983	Destruction

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE • PLEASANTON, CALIFORNIA 94588 • (510) 484-2600

19 November 1992

Resna Industries
73 Digital Drive
Novato, CA 94949

Gentlemen:

Enclosed is drilling permit 92602 for a monitoring well construction project at 3369 Castro Valley Boulevard in Castro Valley for Chevron.

Please note that permit condition A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, and permit number.

If you have any questions, please contact Craig Mayfield or me at 484-2600.

Very truly yours,

Wyman Hong

Wyman Hong
Water Resources Technician

WH:mm
Enc.

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94588 ♦ (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

TION OF PROJECT 3369 CASTRO VALLEY BLVD
CASTRO VALLEY, CA

PERMIT NUMBER 92602
LOCATION NUMBER

T
e CHEVRON U.S.A. PRODUCTS CO.
ress 2410 CAMINO RAMON Phone (510) 842-8752
SAN RAMON, CA Zip 94583

LICANT
RESNA INDUSTRIES, INC.
ATTN: MR. BARRY MARCUS
ress 73 DIGITAL DRIVE Phone (415) 382-7400
NOVATO, CA Zip 94949

E OF PROJECT

l Construction		Geotechnical Investigation	
thodic Protection	___	General	___
er Supply	___	Contamination	___
onitoring	✓	Well Destruction	___

SED WATER SUPPLY WELL USE
estic ___ Industrial ___ Other ___
icipal ___ Irrigation ___

LING METHOD:
Rotary ___ Air Rotary ___ Auger ✓
___ Other ___

LER'S LICENSE NO. 482390 KVILHAUG DRILLING

PROJECTS
Drill Hole Diameter 8 in. Maximum
asing Diameter 2" in. Depth 25'
urface Seal Depth 5=10 ft. Number 4

TECHNICAL PROJECTS
umber of Borings ___ Maximum
ole Diameter ___ in. Depth ___ ft.

ATED STARTING DATE 11/23/92
ATED COMPLETION DATE 11/25/92

reby agree to comply with all requirements of this t and Alameda County Ordinance No. 73-68.

LICANT'S TURE Barry Marcus Date 11/13/92
For RESNA INDUSTRIES, INC.

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 17 Nov 92
Wyman Hong

121989

APPENDIX C

FIELD PROCEDURES

Soil Borings

Before drilling, RESNA Industries notified Underground Service Alert of our intent to drill so that approximate locations of underground utility lines and structures could be marked. We hand-augered each boring to a depth of approximately 5 feet below grade to attempt to locate underground structures. The borings were drilled with a truck-mounted drill rig equipped with 8-inch-diameter and 10-inch- diameter, hollow-stem augers. The drillers steam-cleaned the augers before drilling each boring to minimize the possibility of cross-contamination.

Soil Sampling in Borings

Soil samples were collected at 5-foot intervals from the ground surface to the total depth of the borings. The soil samples were collected by advancing the boring to a point immediately above the sampling depth, and then driving a California-modified, split-spoon sampler containing brass sleeves through the hollow stem of the auger into the relatively undisturbed soil. The sampler and brass sleeves were steam-cleaned or washed thoroughly with a laboratory-grade, non-phosphatic detergent and water before each use. The sampler was driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6 inches was counted and recorded to evaluate the relative consistency of the soil.

During drilling, the geologist used a field photoionization detector (PID) to characterize the relative levels of hydrocarbons. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors but do not detect the concentration of hydrocarbons present with the same precision as laboratory analyses. One of the samples in brass sleeves not selected for laboratory analysis at each sampling interval was tested in the field using a PID. This testing was performed by placing the intake probe of the PID against the soil after opening the brass container.

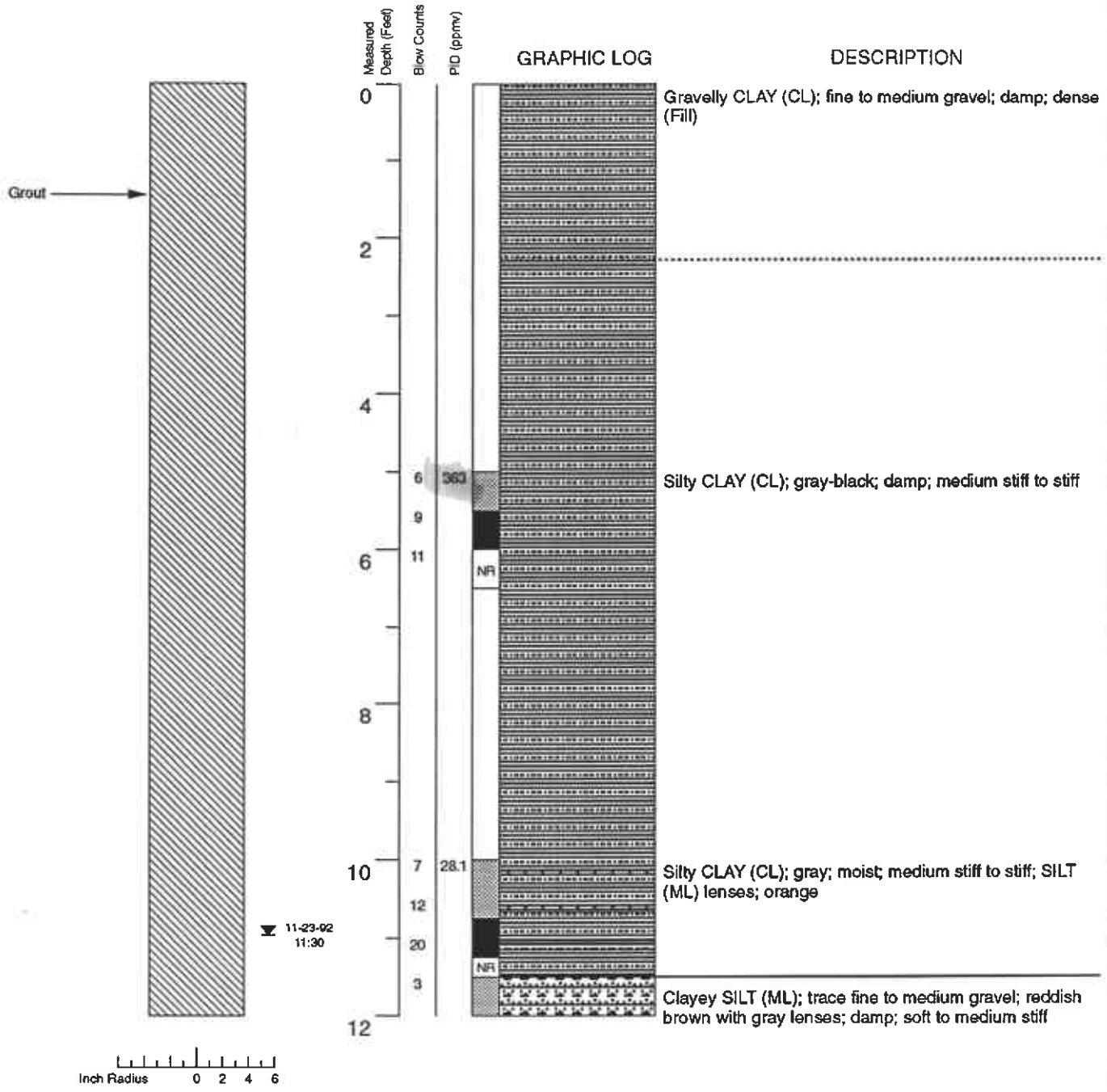
The soil samples selected for possible laboratory analysis were removed from the sampler and quickly sealed in their brass sleeves with aluminum foil, plastic caps, and aluminized duct tape. The respective sample containers were labeled in the field with the job number, sample location and depth, and date and promptly placed in iced storage for transport to the laboratory. Chain of Custody Records were initiated in the field by the geologist and accompanied the samples to a laboratory certified by the State of California to perform the analyses requested. The two soil samples collected in the lube bay were hand-augered. Once a sample depth was reached, the sample was collected using a 2-inch hand percussion instrument.

Logging of Borings

Soil cuttings and samples were identified using visual and manual methods, and classified according to the Unified Soil Classification System. Samples not selected for chemical analysis and the soil in the sampler shoe were extruded in the field and examined using visual and manual methods. Logs include records of texture, color, moisture, plasticity, consistency, blow counts, and any other characteristics noted along with evidence for the presence of hydrocarbons such as soil staining, obvious product odor, and PID readings. The borings were backfilled with a cement-bentonite slurry to ground surface.

APPENDIX D

LOGS OF BORINGS



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 feet

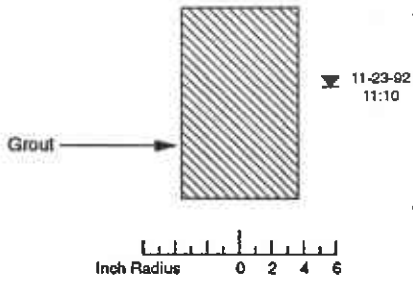
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-1**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12	7			Clayey SILT (ML); trace fine to medium gravel; reddish brown with gray lenses; damp; soft to medium stiff
	7			
14				TD @ 14.0 ft.
16				
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

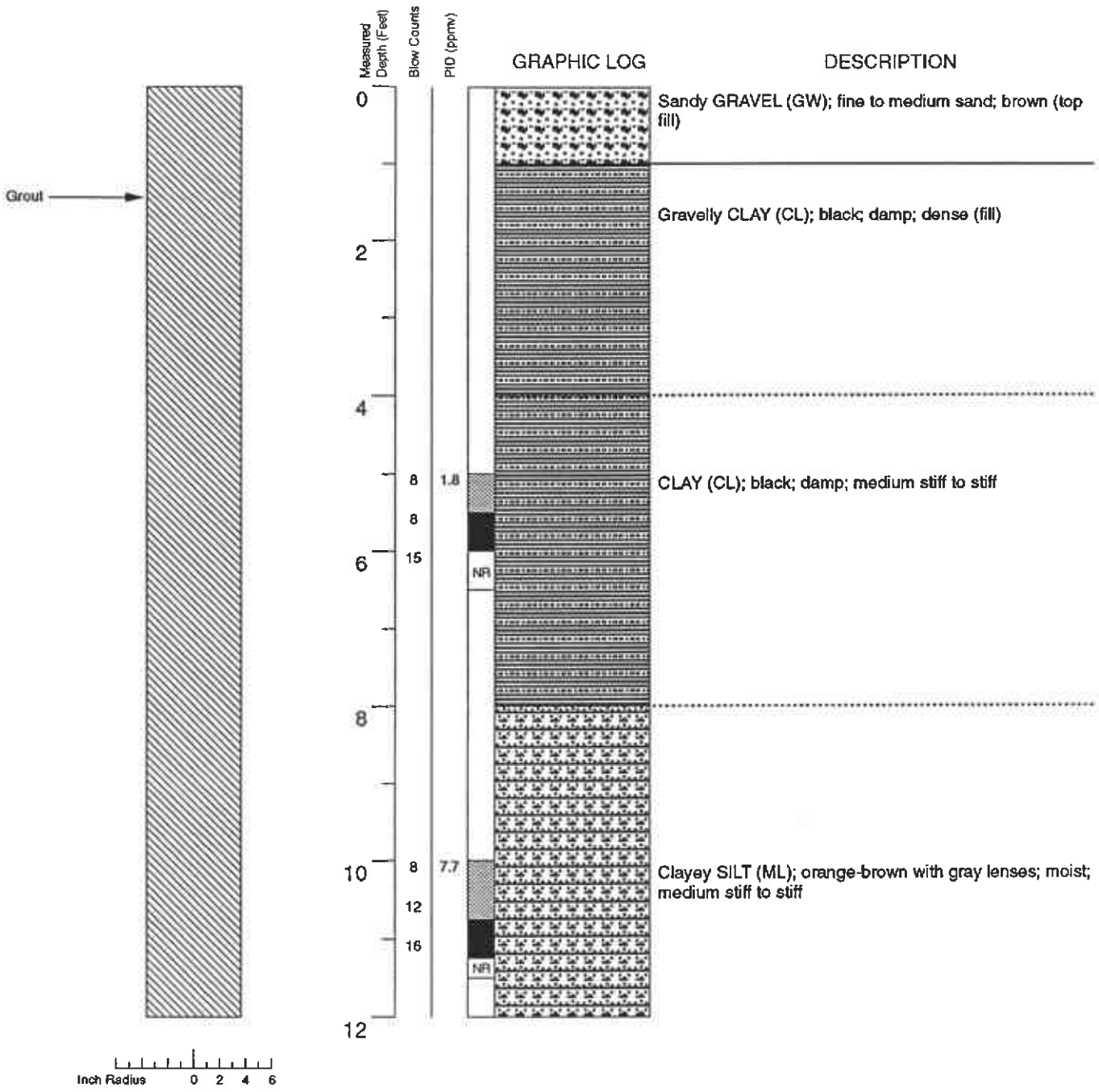
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-1**



continues

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 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

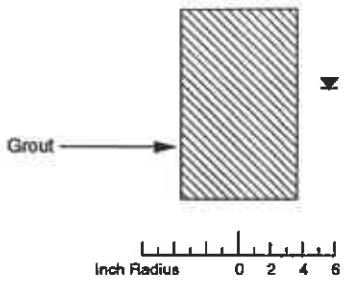
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-2**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				Clayey SILT (ML); orange-brown with gray lenses;moist; medium stiff to stiff
14				TD @ 14.0 ft.
16				
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

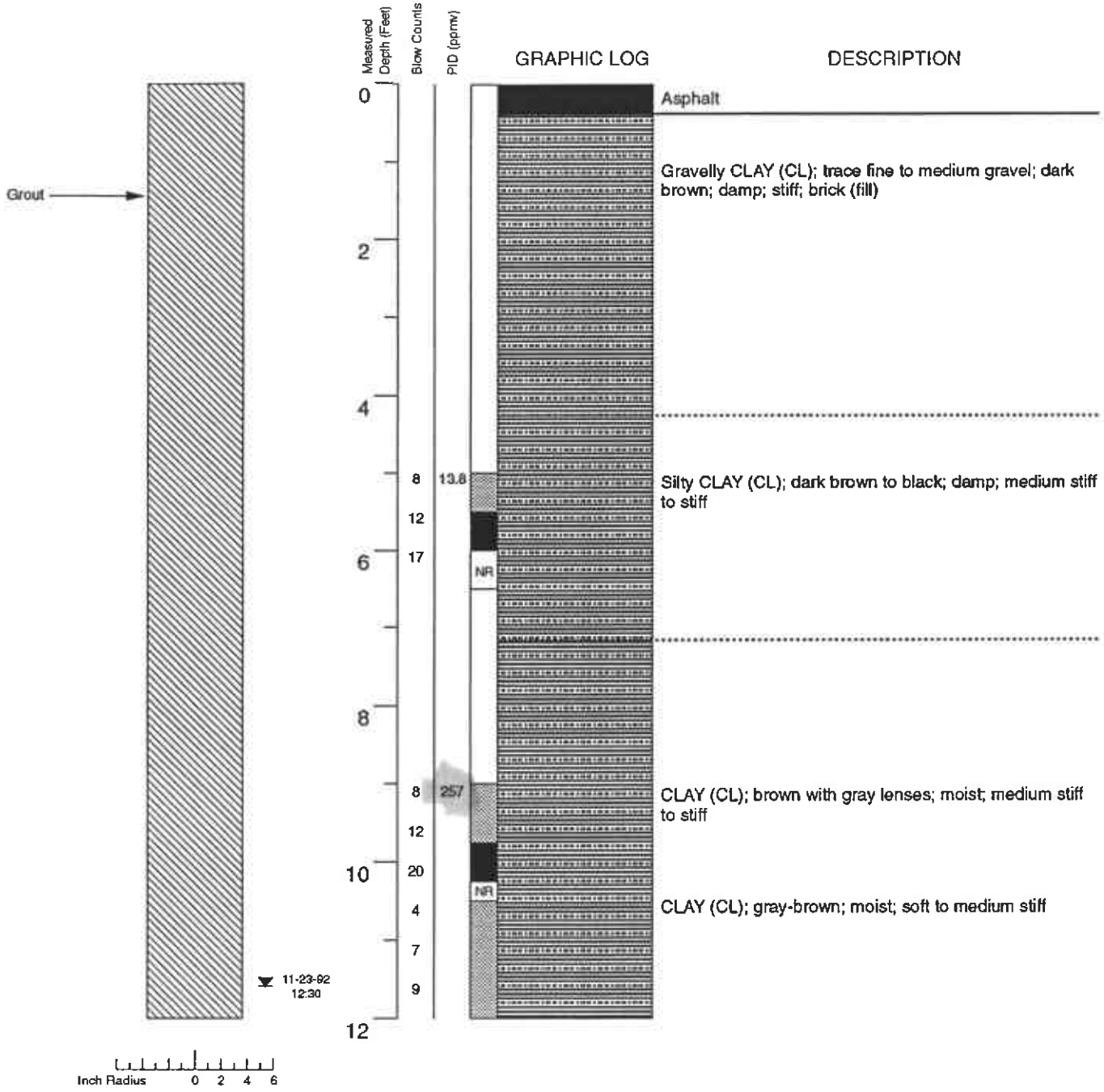
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-2**



continues

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 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

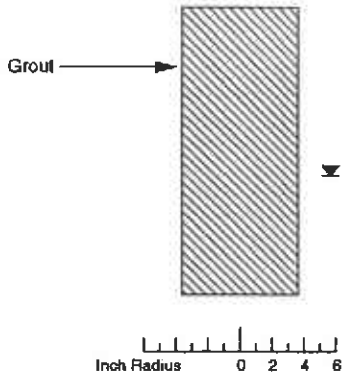
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-3**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12	11	198		CLAY (CL); gray-brown; moist; stiff
	17			
	20			
	8			CLAY (CL); gray-brown with gray mottling; moist; medium stiff to stiff
14	12			
	14			TD @ 14.0 ft.
16				
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

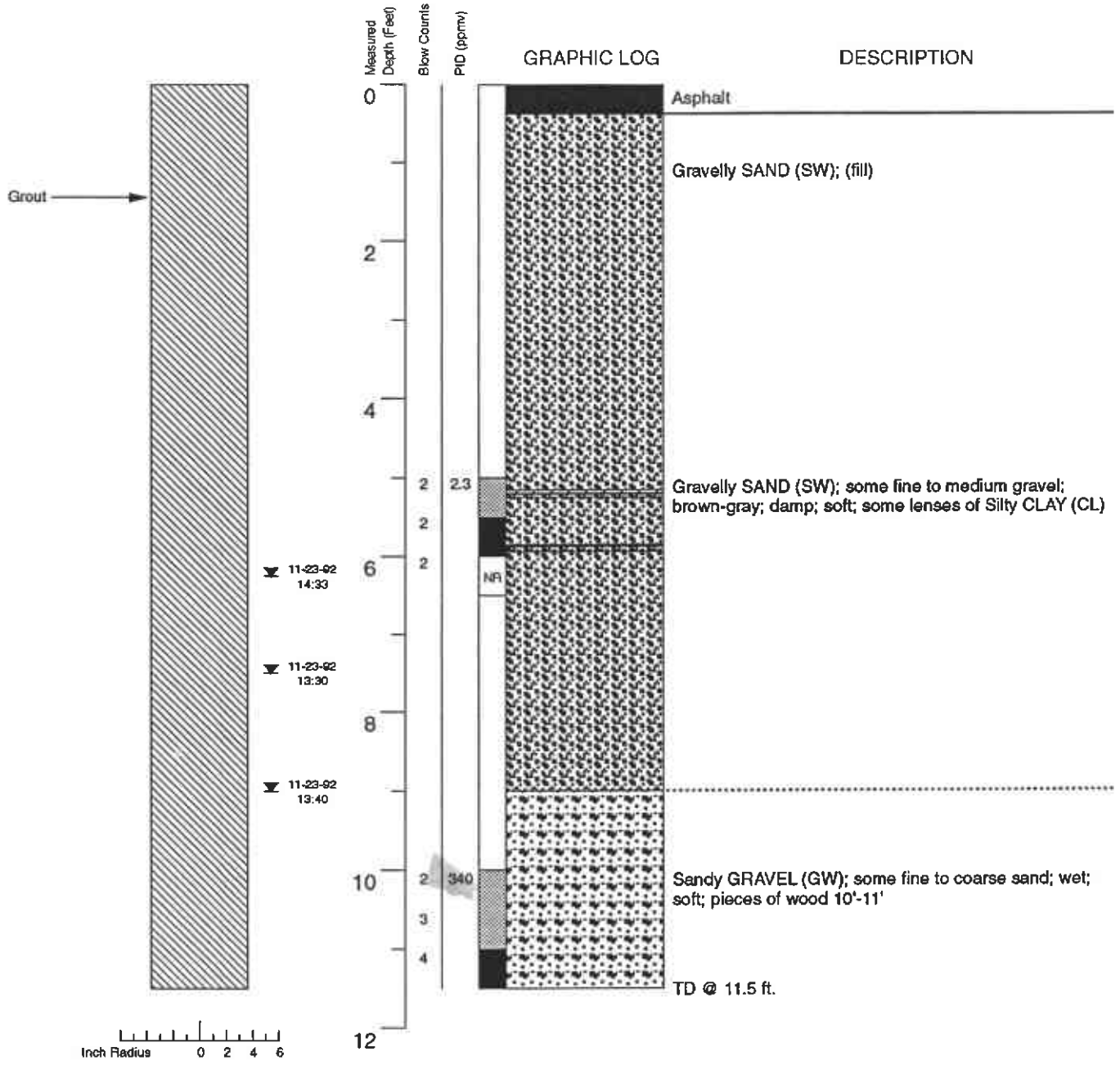
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-3**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

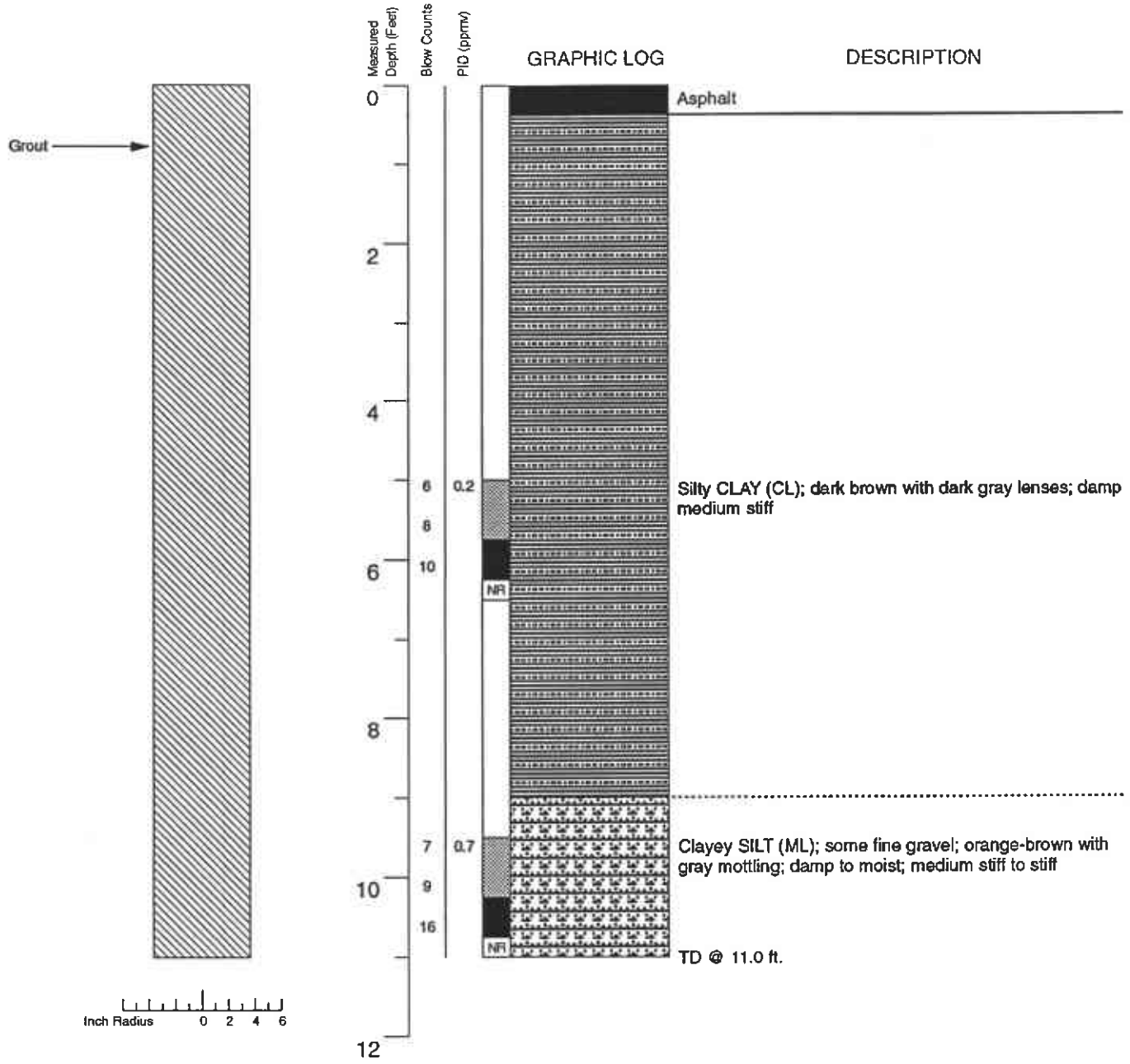
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-4

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-4**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

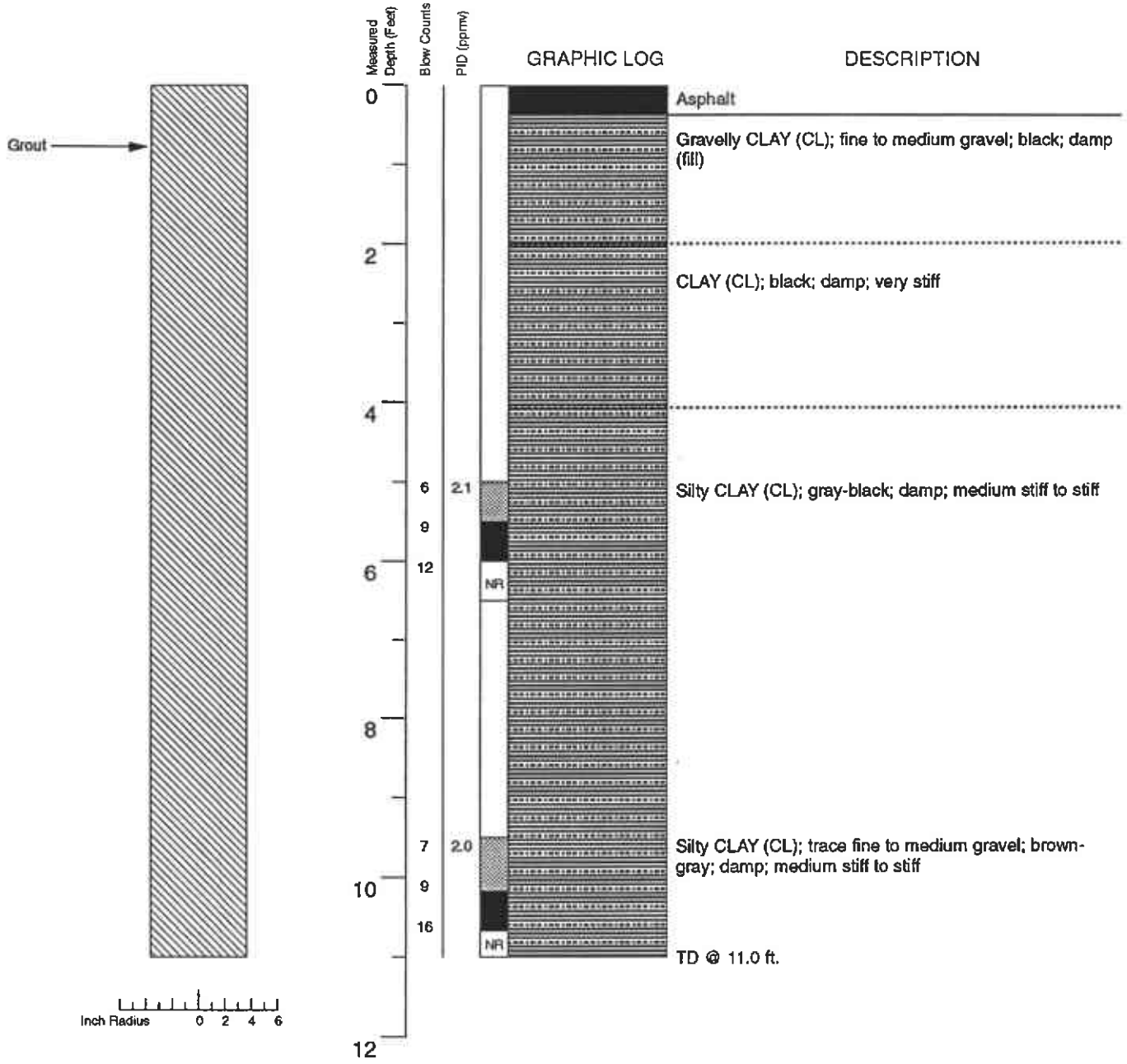
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-5

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-5**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

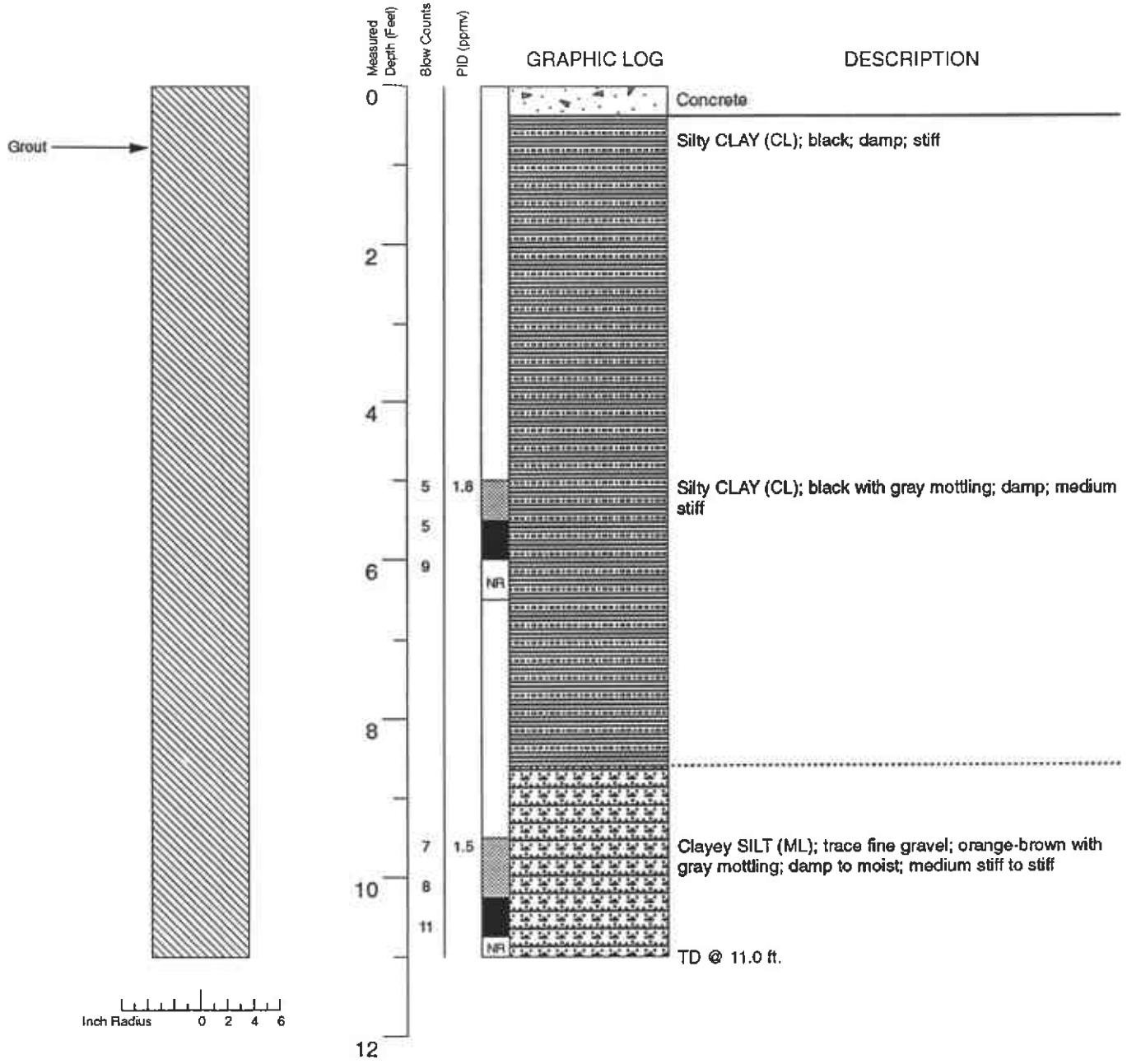
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-6

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-6**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

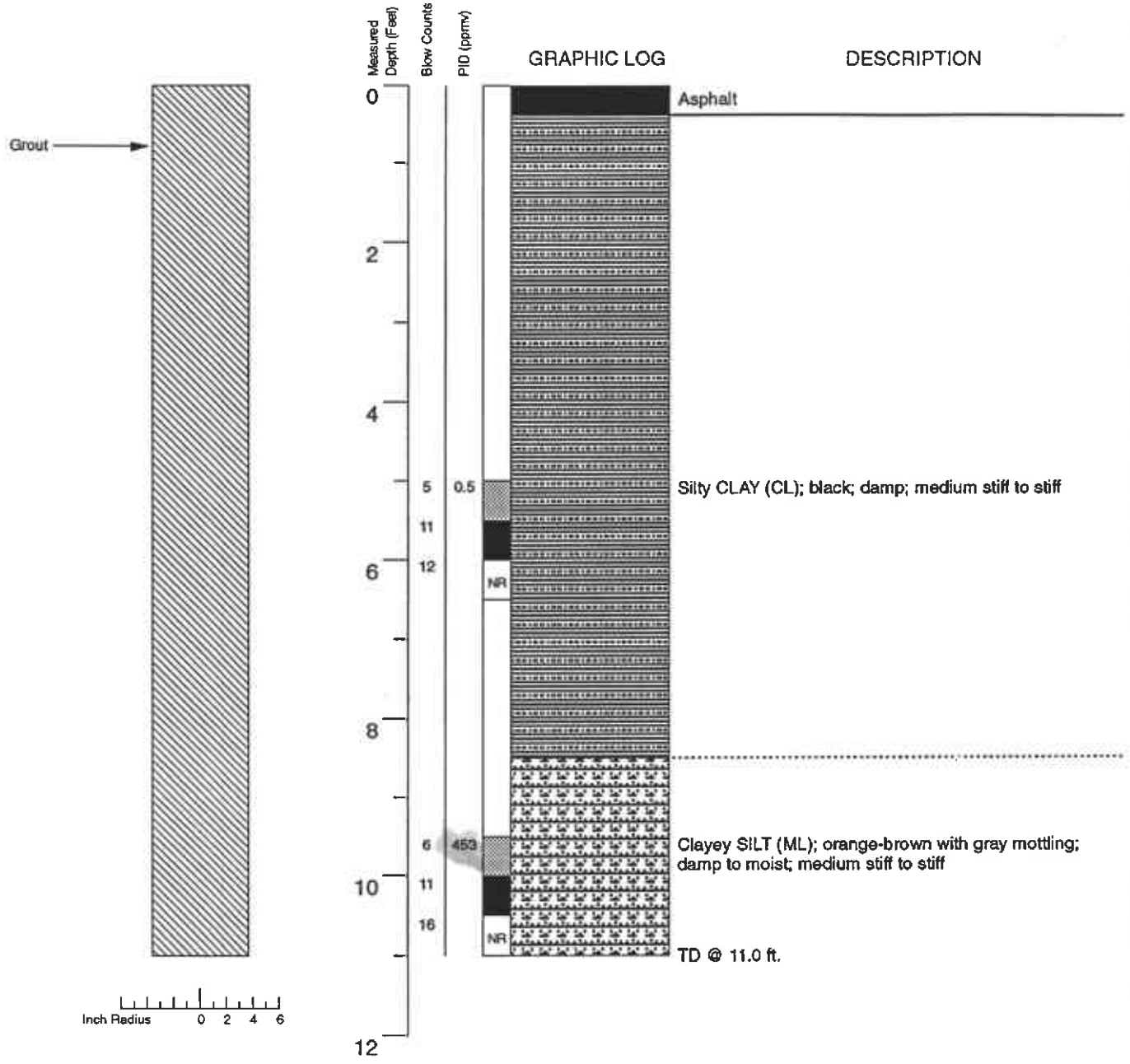
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-7

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-7**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

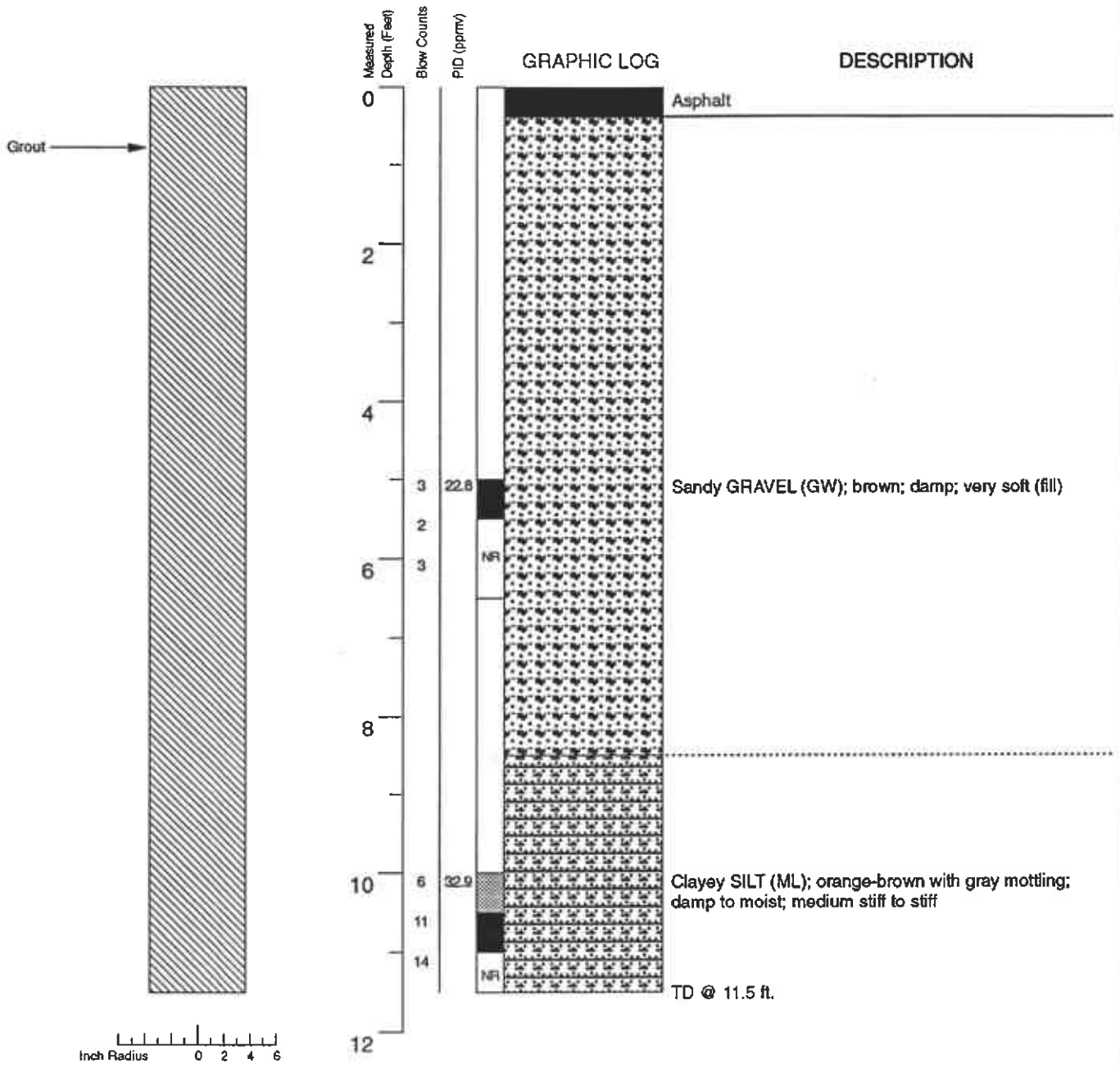
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-8

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-8**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

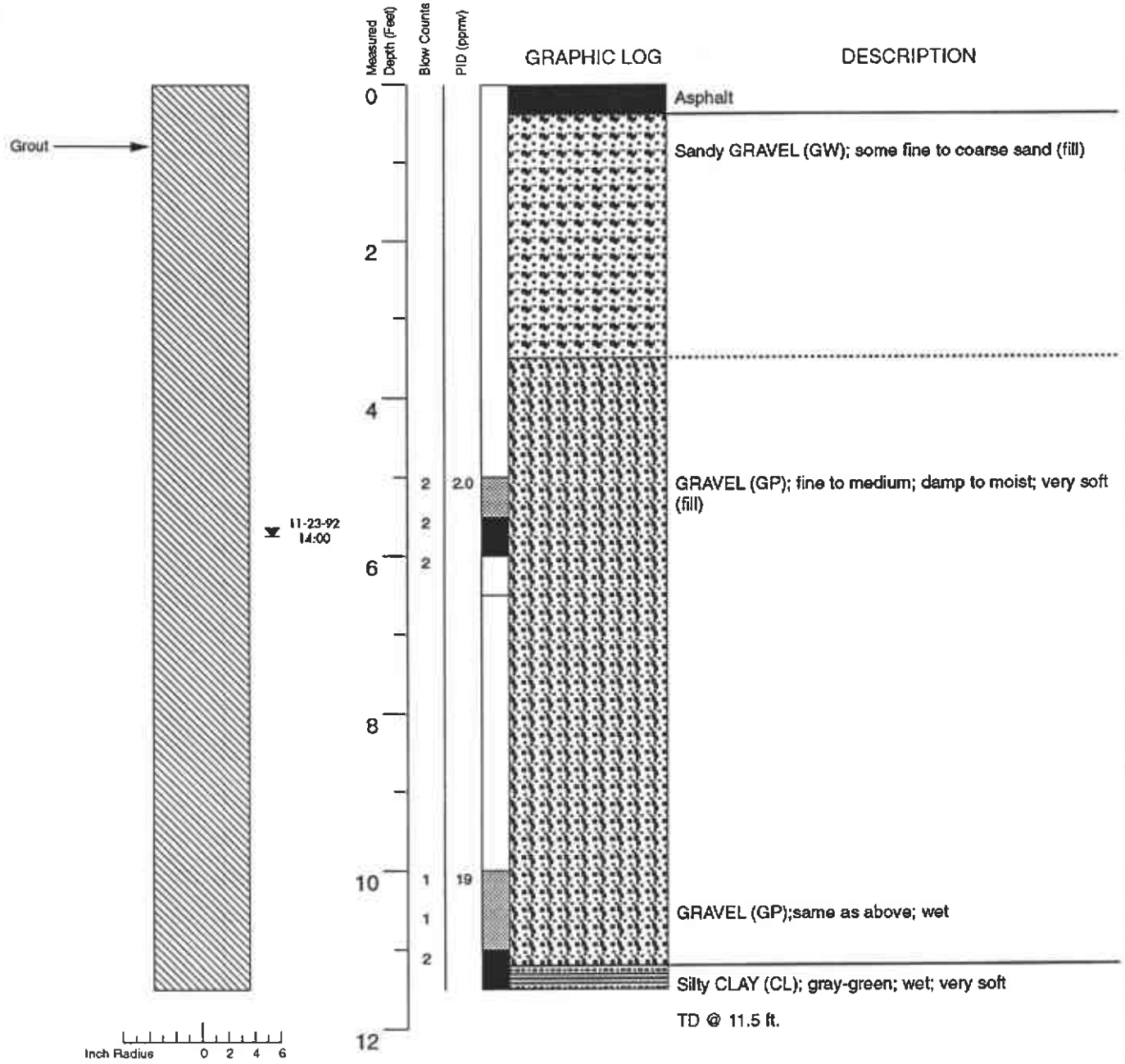
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-9

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-9**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

RESNA

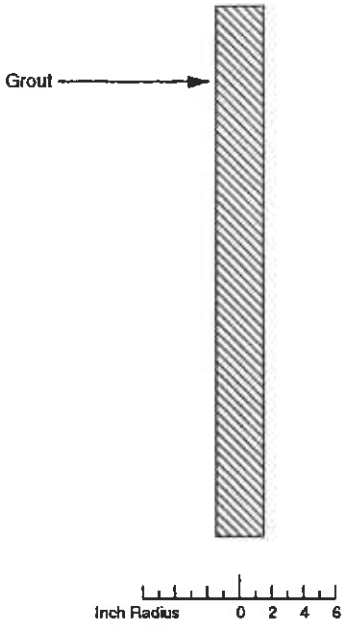
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-10

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING

B-10



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Asphalt
				Sandy GRAVEL (GW); (fill)
2				CLAY (CL); black; damp; stiff
4				Silty CLAY (CL); gray-green; damp; stiff
				TD @ 5.5 ft.
6				
8				
10				
12				

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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

RESNA

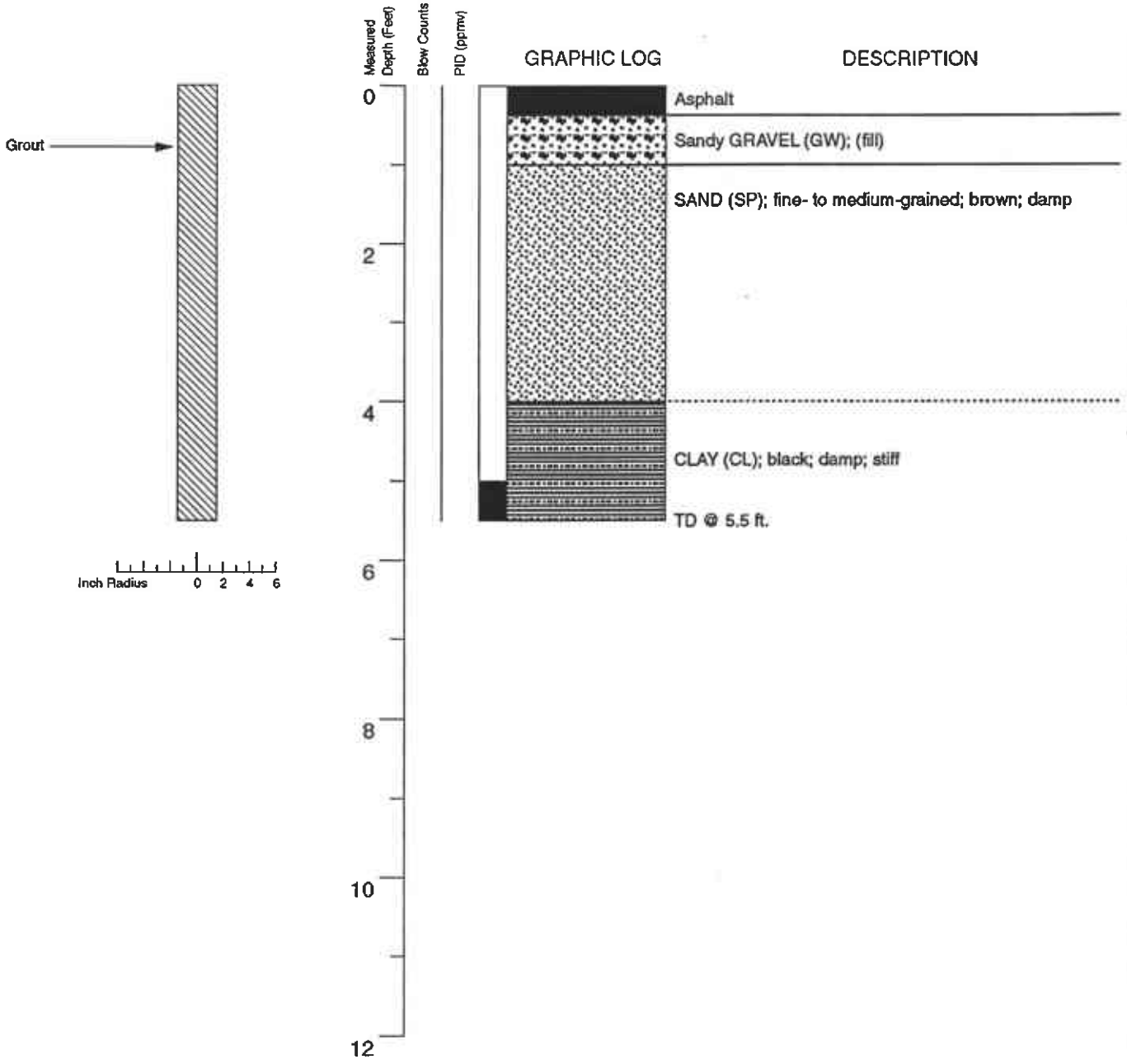
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING

H-1



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 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

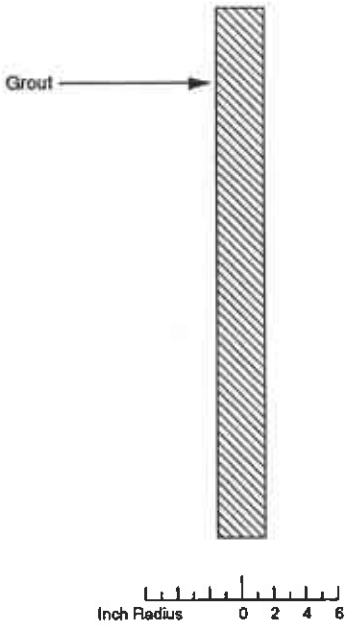
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-2**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Concrete
				Sandy GRAVEL (GW); fine to coarse sand; brown; damp (fill)
2				
				CLAY (CL); black; damp; stiff
4				
				CLAY (CL); same as above
				TD @ 5.5 ft.
6				
8				
10				
12				

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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

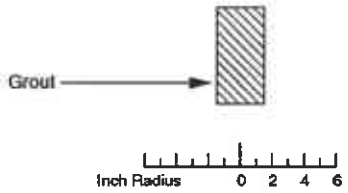
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-3**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0		0.2		Concrete
				Sandy GRAVEL (GW); (fill)
				TD @ 1.0 ft.
2				
4				
6				
8				
10				
12				

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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	1.0 feet

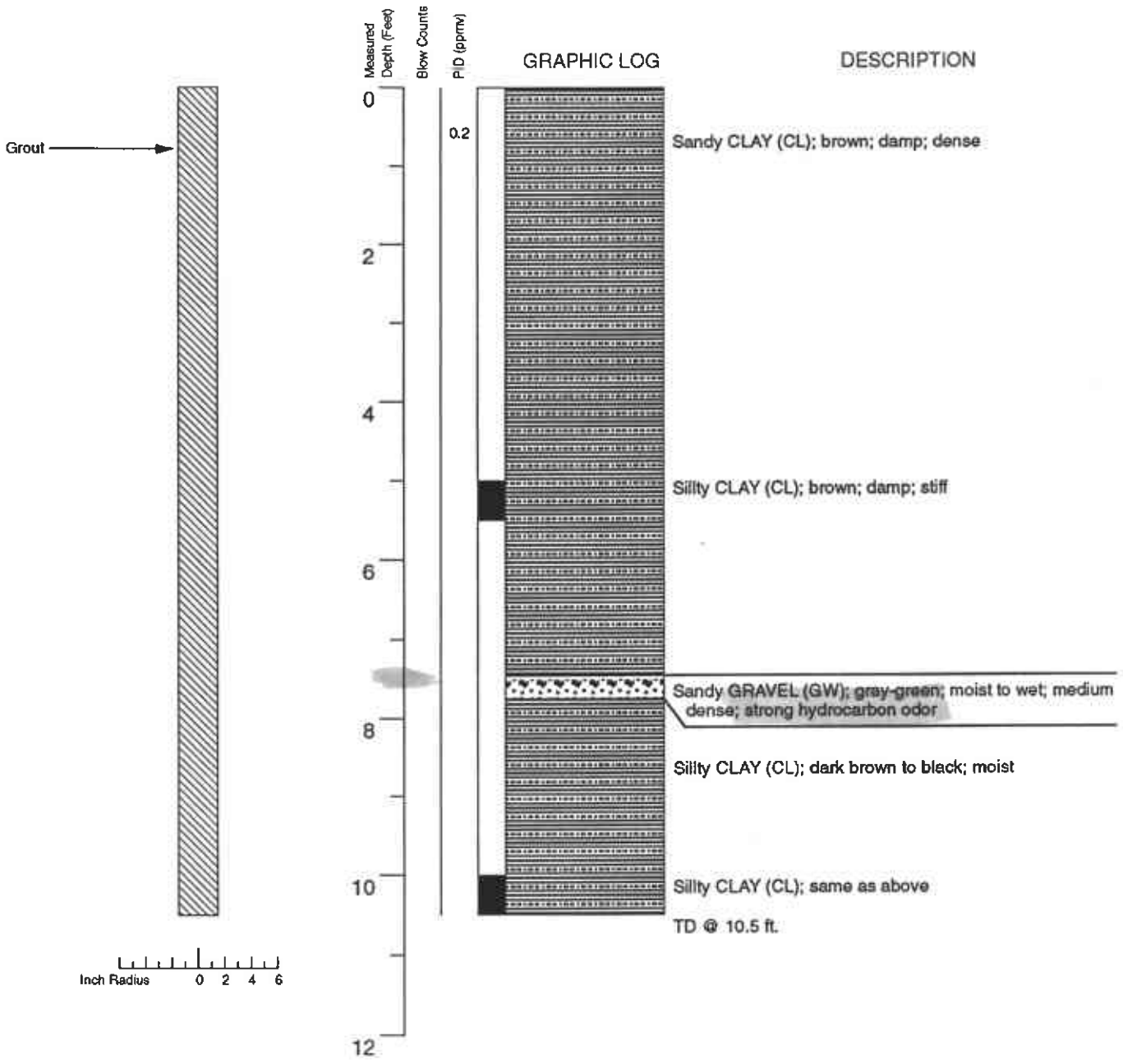
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-4

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-4**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	10.5 feet

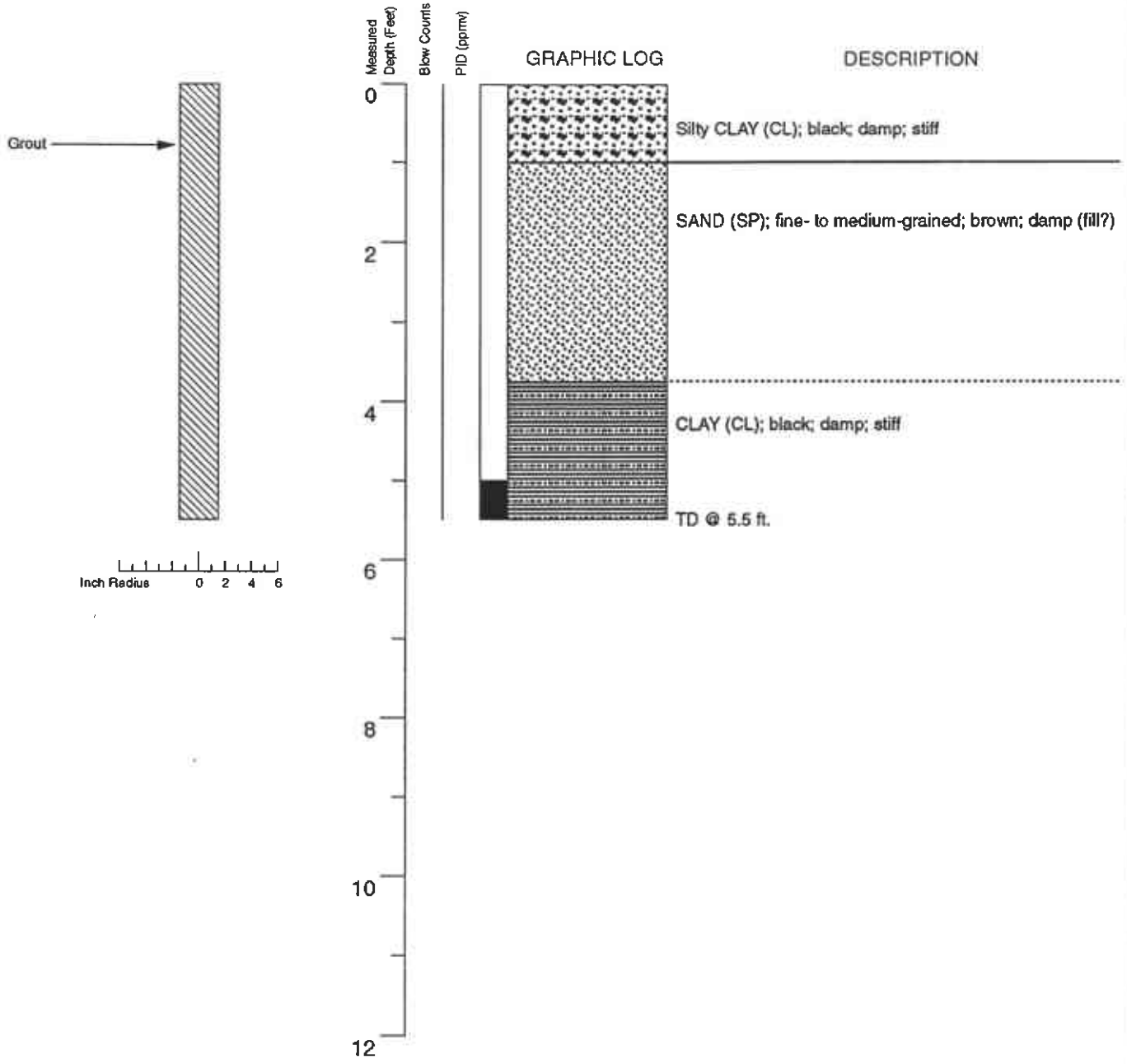
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-5

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-5**



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:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-6

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-6**

APPENDIX E

LABORATORY REPORTS

CHAIN OF CUSTODY

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna/Western Geologic Resources
Attn: BARRY MARCUS

Project 17068.01
Reported 12/08/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13814-11	B-9 11.0	11/24/92	12/05/92	Soil
13814-12	B-10 11.5	11/24/92	12/04/92	Soil
13814-13	H-1 5.5	11/24/92	12/05/92	Soil
13814-14	H-2 5.5	11/24/92	12/05/92	Soil
13814-15	H-3 5.5	11/24/92	12/05/92	Soil
13814-16	H-4 1.0	11/24/92	12/04/92	Soil
13814-17	H-5 5.5	11/24/92	12/04/92	Soil
13814-18	H-5 10.5	11/24/92	12/05/92	Soil
13814-19	H-6 5.5	11/24/92	12/04/92	Soil
13814-20	B-1	11/24/92	12/05/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	13814-11	13814-12	13814-13	13814-14	13814-15
Gasoline:	ND<1	ND<1	ND<1	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Xylenes:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Diesel:	NA	NA	NA	NA	NA
Oil and Grease:	NA	NA	NA	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	13814-16	13814-17	13814-18	13814-19	13814-20
Gasoline:	ND<1	ND<1	15	ND<1	2700
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	51
Toluene:	ND<.005	ND<.005	0.014	ND<.005	120
Ethyl Benzene:	ND<.005	ND<.005	0.043	ND<.005	87
Xylenes:	ND<.005	ND<.005	0.027	ND<.005	270
Diesel:	NA	ND<10	ND<10	NA	NA
Oil and Grease:	NA	57	ND<50	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	ug/L

Superior Precision Analytical, Inc.
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Resna/Western Geologic Resources
Attn: BARRY MARCUS

Project 17068.01
Reported 12/08/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13814-21	B-2	11/24/92	12/05/92	Water
13814-22	B-3	11/24/92	12/05/92	Water
13814-23	B-4	11/24/92	12/05/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	13814-21	13814-22	13814-23
Gasoline:	13000	23000	15000
Benzene:	23	800	190
Toluene:	11	38	13
Ethyl Benzene:	470	1000	240
Xylenes:	1100	2000	690
Diesel:	NA	NA	NA
Oil and Grease:	NA	NA	NA
Concentration:	ug/L	ug/L	ug/L

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 13814

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg
Minimum Detection Limit in Water:5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Minimum Quantitation Limit in Water:0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	89/87	2%	75-111
Benzene:	90/87	3%	75-114
Toluene:	87/83	5%	78-114
Ethyl Benzene:	94/90	4%	76-120
Xylenes:	102/97	5%	71-117
Diesel:	105/105	0%	75-125
Oil and Grease:	70/78	11%	75-125

Richard Srna,Ph.D.

Laboratory Director

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 13814-18
CLIENT: Resna/Western Geologic Resources
JOB NO.: 17068.01

DATE SAMPLED: 11/24/92
DATE RECEIVED: 11/25/92
DATE ANALYZED: 12/07/92

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE:H-5 10.5'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 110 % :MS/MSD RPD = 5 %

Richard Srna, Ph.D.

Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-4930
Facility Address 3369 CASTRO VALLEY BLVD. CASTROVILLE
Consultant Project Number 17068.01
Consultant Name RESNA
Address 73 DIGITAL DR. NOVATO, CA. 94949
Project Contact (Name) BARRY MARCUS
(Phone) 415-382-7400 (Fax Number) 415-382-7415

Chevron Contact (Name) KEN KAN
(Phone) 510-842-8752
Laboratory Name SUPERIOR PRECISION ANALYTICAL
Laboratory Release Number 8353141
Samples Collected by (Name) ERICH NEUPERT
Collection Date 11/23-24/92
Signature Erich Neupert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
B-1 6.0'		1	S	D	10:50	—	Y	X													
B-1 11.25'		1	S	D	11:00	—	Y	X													
B-2 11.25'		1	S	D	11:45	—	Y	X													
B-3 10.25'		1	S	D	8:45	—	Y	X													
B-4 11.5'		1	S	D	13:35	—	Y	X													
B-5 10.75'		1	S	D	10:10	—	Y	X													
B-6 10.6'		1	S	D	10:15	—	Y	X													
B-7 10.75'		1	S	D	9:30	—	Y	X													
B-8 10.5'		1	S	D	10:40	—	Y	X													
B-9 5.5'		1	S	D	11:10	—	Y	X													
B-9 11.0'		1	S	D	11:15	—	Y	X													
B-10 11.5'		1	S	D	14:10	—	Y	X													
H-1 5.5'		1	S	D	14:45	—	Y	X													
H-2 5.5'		1	S	D	14:05	—	Y	X													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neupert	Resna	11-25-92 1555	[illegible]	ECS	11-25-92 1555
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[illegible]	ECS	11-25-92 1555			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
[illegible]	ECS	11-25-92	[illegible]		11/25/92 1655

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 91/HCH

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-4930
Facility Address 3369 Castro Valley Blvd, Castro Valley, CA
Consultant Project Number 17068.01
Consultant Name RESNA
Address 73 Digital Dr. Novato, CA. 94949
Project Contact (Name) Barry Marcus
(Phone) 415-382-7400 (Fax Number) 415-382-7455

Chevron Contact (Name) Ken Kan
(Phone) 510-842-8752
Laboratory Name Superior Precision Analytical
Laboratory Release Number 8353141
Samples Collected by (Name) Erich Neupert
Collection Date 11/23/24/92
Signature Erich Neupert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
H-3 5.5'		1	S	D	16:00	—	Y	X												
H-4 1.0'		1	S	G	12:35	—	Y	X												
H-5 5.5'		1	S	D	9:15	—	Y	X	X	X										
H-5 10.5'		1	S	D	9:30	—	Y	X	X	X	X					RB	Pb			
H-6 5.5'		1	S	D	15:45	—	Y	X									✓			
B-1		4	W	D	11:25	HCL	Y	X									✓			
B-2		4	W	D	14:30	HCL	Y	X									✓			
B-3		4	W	D	10:45	HCL	Y	X												
B-4		4	W	D	14:20	HCL	Y	X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neupert	Resna	11-28-92 15 55		ECS	11/25/92 1555
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	ECS	11/25/92 1650			11/25/92 1655

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-SLDWG/03 91/HCH

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna/Western Geologic Resources — Project 17068.01
Attn: BARRY MARCUS — Reported 11/28/92
Facility # 9-4930 (3369 Castro Valley Blvd., Castro Valley)

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13813- 1	CUTTINGS A,B,C,D COMP	11/24/92	11/30/92	Soil

RESULTS OF ANALYSIS

Laboratory Number: 13813- 1

Gasoline:	2
Benzene:	ND<.005
Toluene:	ND<.005
Ethyl Benzene:	0.006
Xylenes:	0.029
Concentration:	mg/kg

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 13813

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	89/85	5%	75-111
Benzene:	96/97	1%	75-114
Toluene:	92/92	0%	78-114
Ethyl Benzene:	96/97	1%	76-120
Xylenes:	101/101	0%	71-117

Richard Srna, Ph.D.
Cecilia G. Joaquin (for)
Laboratory Director

Fax Copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-4930
Facility Address 3369 CASTRO VALLEY BLVD. CASTRO VALLEY, CA.
Consultant Project Number 17068.01
Consultant Name RESNA
Address 73 DIGITAL DR. NOVATO, CA. 94949
Project Contact (Name) BARRY MARCUS
(Phone) 415-382-7400 (Fax Number) 415-382-7415

Chevron Contact (Name) KEN KAN
(Phone) (510) 842-8752
Laboratory Name SUPERIOR PRECISION ANALYTICAL
Laboratory Release Number 8353141
Samples Collected by (Name) ERICH NEUERT
Collection Date 11/24/92
Signature Erich Neuert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
								Analyses To Be Performed												
CUTTINGS A		1	S	G	9:00	—	Y	X												PLEASE COMPOSITE 4 SAMPLES INTO ONE AND THEN RUN FOR BTEX + TPHG.
CUTTINGS B		1	S	G	9:00	—	Y	X												
CUTTINGS C		1	S	G	9:00	—	Y	X												
CUTTINGS D		1	S	G	9:00	—	Y	X												
														KR						

Please Initial
Samples Stored in Ice
Appropriate containers
Samples received
Volatile headspace
Comments

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neuert	RESNA	11/25/92 / 0800		RESNA	11/25/92 / 0800
	RESNA	11/25/92 1555			11-25-92 1555
		11-25-92 1555	Received For Laboratory By (Signature)		11/25/92 1655

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 91/HCH

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna/Western Geologic Resources
Attn: BARRY MARCUS

Project 17068.01
Reported 12/08/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13814- 1	B-1 6.0	11/24/92	12/04/92	Soil
13814- 2	B-1 11.25	11/24/92	12/04/92	Soil
13814- 3	B-2 11.25	11/24/92	12/04/92	Soil
13814- 4	B-3 10.25	11/24/92	12/05/92	Soil
13814- 5	B-4 11.5	11/24/92	12/05/92	Soil
13814- 6	B-5 10.75	11/24/92	12/05/92	Soil
13814- 7	B-6 10.6	11/24/92	12/05/92	Soil
13814- 8	B-7 10.75	11/24/92	12/05/92	Soil
13814- 9	B-8 10.5	11/24/92	12/06/92	Soil
13814-10	B-9 5.5	11/24/92	12/05/92	Soil

RESULTS OF ANALYSIS

Laboratory Number:	13814- 1	13814- 2	13814- 3	13814- 4	13814- 5
Gasoline:	79	ND<1	ND<1	96	2500
Benzene:	ND<0.1	ND<.005	ND<.005	ND<.025	ND<0.5
Toluene:	0.087	ND<.005	ND<.005	ND<.025	5.1
Ethyl Benzene:	1.0	ND<.005	ND<.005	0.063	20
Xylenes:	1.9	ND<.005	ND<.005	3.5	130
Diesel:	NA	NA	NA	NA	NA
Oil and Grease:	NA	NA	NA	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	13814- 6	13814- 7	13814- 8	13814- 9	13814-10
Gasoline:	ND<1	ND<1	ND<1	36	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.050	ND<.005
Toluene:	ND<.005	ND<.005	ND<.005	0.056	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	ND<.005	0.47	ND<.005
Xylenes:	ND<.005	ND<.005	ND<.005	1.4	0.010
Diesel:	NA	NA	NA	NA	NA
Oil and Grease:	NA	NA	NA	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

APPENDIX F

ENVIRONMENTAL

RECORDS SEARCH

BBL

ENVIRONMENTAL RECORD SEARCH

for the site

CHEVRON STN # 9-4930

3369 CASTRO VALLEY BLVD, CASTRO VALLEY

performed for

RESNA INDUSTRIES

11-19-1992

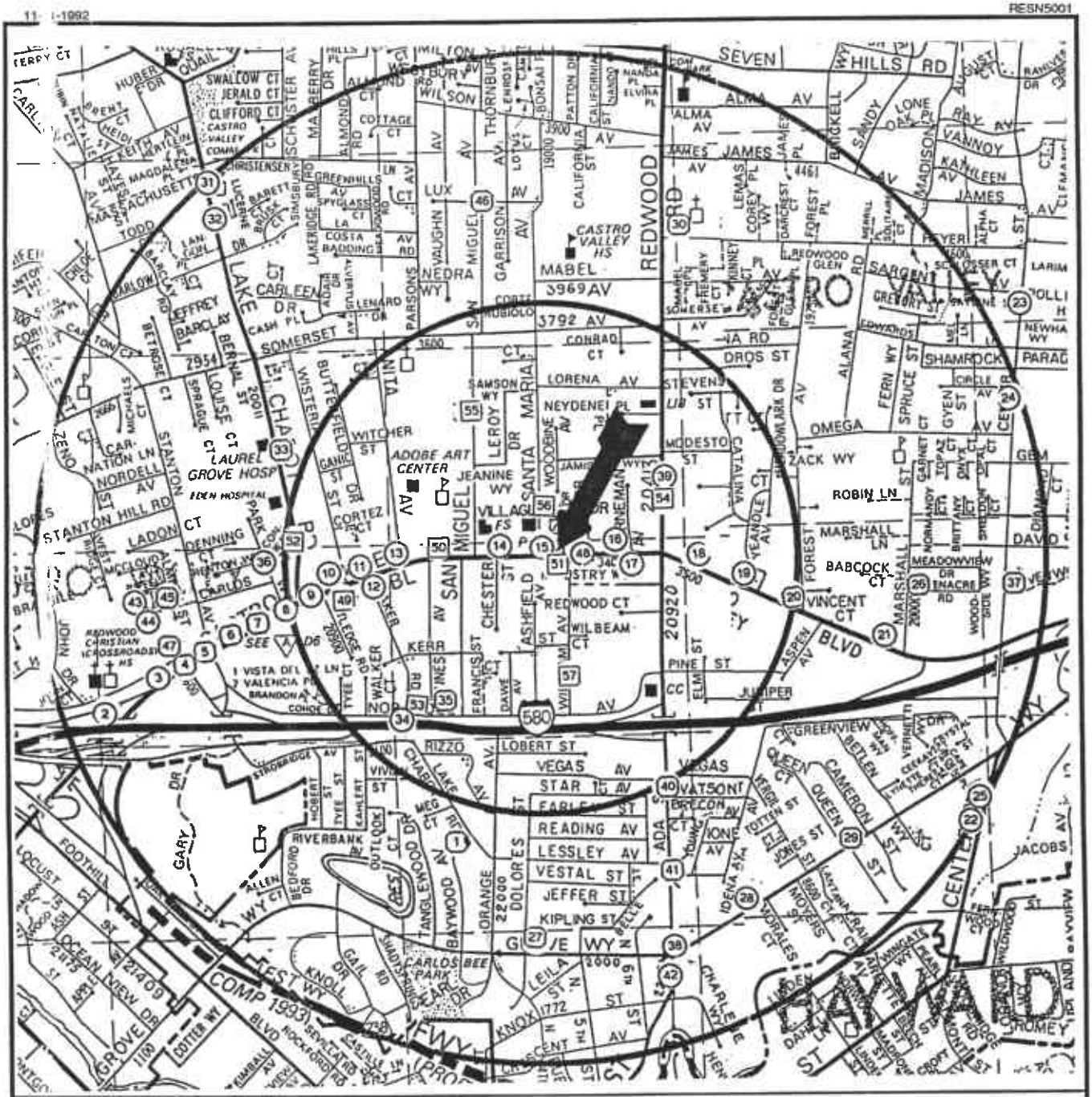
RESN5001

444 South Cedros Ave, Suite 200 Solana Beach CA 92075 619 793-0641

INTRODUCTION

This document, prepared on the request of Resna Industries, reports the findings of BBL's investigation of environmental concerns in the vicinity of 3369 Castro Valley Blvd, Castro Valley. It is divided in the following segments:

- Map - showing the location of the identified sites relative to the subject site.
- Summary - listing the identified sites by street names.
- Final Report - describing the sources investigated and the resulting findings:
  - Facilities known to have environmental concerns within one mile radius, of the subject site.
    - Federal sources
    - State sources
    - Regional sources
  - Facilities with operating permits to generate, handle, store or dispose of hazardous material, within half a mile of the subject site.



APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF
3369 CASTRO VALLEY BLVD, CASTRO VALLEY

1.	DESIGNS BY DE RON	21605	BAYWOOD AVE
2.	UNOCAL	2445	CASTRO VALLEY BLVD
3.	THRIFTY OIL	2504	CASTRO VALLEY BLVD
4.	R & J QUICK CLEAN CENTER	2522	CASTRO VALLEY BLVD
5.	JOSEPH NESBITT COMPANY INC	2544	CASTRO VALLEY BLVD
6.	ONE HOUR MARTINIZING	2676	CASTRO VALLEY BLVD
7.	VALLEY COIN LAUNDRY	2678	CASTRO VALLEY BLVD
8.	UNKNOWN	2691	CASTRO VALLEY BLVD
9.	SHELL	2724	CASTRO VALLEY BLVD
10.	ARCO	2770	CASTRO VALLEY BLVD
11.	MINIT LUBE	2896	CASTRO VALLEY BLVD
12.	CHEVRON	2920	CASTRO VALLEY BLVD
13.	ADOBE PLAZA	3098	CASTRO VALLEY BLVD
14.	ARNOLD PROPERTY	3234	CASTRO VALLEY BLVD
15.	SAL'S FOREIGN CAR SERVICE	3343	CASTRO VALLEY BLVD
16.	XTRA OIL	3495	CASTRO VALLEY BLVD
17.	SHELL	3496	CASTRO VALLEY BLVD
18.	MOBIL	3519	CASTRO VALLEY BLVD
19.	RUDY'S DONUT	3692	CASTRO VALLEY BLVD
20.	HELIUM TECHNOLOGY	3736	CASTRO VALLEY BLVD
21.	TEXACO	3940	CASTRO VALLEY BLVD
22.	CALTRANS	2115	CENTER ST
23.	ANTHONY'S AUTO SERVICE	19592	CENTER ST
24.	HAYWARD MAINTENANCE CENTER	21195	CENTER ST
25.	ARCO	22141	CENTER ST
26.	RELIABLE MOVERS	4070	GREENACRE RD
27.	GARBERS PAINTING	1911	GROVE WAY
28.	CHEVRON	2416	GROVE WAY
29.	RETHREAD INC	2870	GROVE WAY
30.	CLYDE ROBIN SEED COMPANY INC	4233	HEYER AVE
31.	UNOCAL	18950	LAKE CHABOT RD
32.	HERTLEIN RESIDENCE	19051	LAKE CHABOT RD
33.	EDEN TOWNSHIP HOSPITAL	20103	LAKE CHABOT RD
34.	CLARK'S WOODWORKING	2620	NORBRIDGE AVE
35.	STRAND ELECTRONICS LTD	21175	NUNES AVE
36.	CASTRO VALLEY AUTOHAUS	20697	PARK WAY
37.	JIM'S MOTOR EXPRESS	4116	RAVENSWOOD DR
38.	CHEVRON		REDWOOD & GROVE
39.	TIEN'S UNOCAL	20405	REDWOOD RD
40.	JESS SPENCER MORTUARY	21228	REDWOOD RD
41.	IDEAL PEST CONTROL	21701	REDWOOD RD
42.	BEACON	22315	REDWOOD RD
43.	RJ QUICK CLEAN	2517	SAN CARLOS AVE
44.	EAST BAY SCAFFOLDING	2552	SAN CARLOS AVE
45.	ANTHONYS TERMITE CONTROL	2566	SAN CARLOS AVE
46.	MIZER & SON TREE AND GARDEN SP	19121	SAN MIGUEL AVE
47.	UNOCAL		STROBRIDGE & CASTRO VLY
48.	SAL'S FOREIGN CAR SERVICE	20845	WILBEAM AVE
49.	QUALITY TUNE UP	2780	CASTRO VALLEY BLVD
50.	ROCKY AUTO BODY AND PAINTING	3142	CASTRO VALLEY BLVD
51.	94930	3369	CASTRO VALLEY BLVD
52.	QUIK STOP #88	20757	LAKE CHABOT RD
53.	PACIFIC BELL (P5-200)	2610	NORBRIDGE AVE
54.	EXXON SERVICE STATION	20450	REDWOOD RD
55.	CASTRO VALLEY FIRE PROTECTION	20336	SAN MIGUEL AVE
56.	R.T. NAHAS	3336	VILLAGE DR
57.	CORPORATION YARD	21000	WILBEAM AVE

UNKNOWN LOCATIONS

ODS SITE #2	CASTRO VALLEY BLVD
OLYMPIC SERVICE STATION	UNKNOWN

INDEX OF SITES LISTED BY MAP NUMBERS

ENVIRONMENTAL RECORDS SEARCH

SUMMARY

LISTED BY STREET

ENVIRONMENTAL RECORDS SEARCH FOR
CHEVRON STN # 9-4930
3369 CASTRO VALLEY BLVD, CASTRO VALLEY

Page: 1
Job : RESN5001
Date: 11-21-1992

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
DESIGNS BY DE RON	21605	BAYWOOD AVE	CASTRO VALLEY	1	AS	NFA
ODS SITE #2		CASTRO VALLEY BLVD	CASTRO VALLEY		LR	0
ODS SITE #2		CASTRO VALLEY BLVD	CASTRO VALLEY		LT	0
ODS SITE #2		CASTRO VALLEY BLVD	CASTRO VALLEY		Cs	WCRBT
UNOCAL	2445	CASTRO VALLEY BLVD	CASTRO VALLEY	2	LR	5C
UNOCAL	2445	CASTRO VALLEY BLVD	CASTRO VALLEY	2	LT	5C
THRIFTY OIL	2504	CASTRO VALLEY BLVD	CASTRO VALLEY	3	LR	5R
THRIFTY OIL	2504	CASTRO VALLEY BLVD	CASTRO VALLEY	3	LT	5R
THRIFTY OIL	2504	CASTRO VALLEY BLVD	CASTRO VALLEY	3	Cs	WCRBT
R & J QUICK CLEAN CENTER	2522	CASTRO VALLEY BLVD	CASTRO VALLEY	4	AS	NFA
JOSEPH NESBITT COMPANY INC	2544	CASTRO VALLEY BLVD	CASTRO VALLEY	5	AS	NFA
ONE HOUR MARTINIZING	2676	CASTRO VALLEY BLVD	CASTRO VALLEY	6	AS	NFA
VALLEY COIN LAUNDRY	2676	CASTRO VALLEY BLVD	CASTRO VALLEY	7	AS	NFA
UNKNOWN	2691	CASTRO VALLEY BLVD	CASTRO VALLEY	8	LR	0
UNKNOWN	2691	CASTRO VALLEY BLVD	CASTRO VALLEY	8	LT	0
UNKNOWN	2691	CASTRO VALLEY BLVD	CASTRO VALLEY	8	Cs	WCRBT
SHELL	2724	CASTRO VALLEY BLVD	CASTRO VALLEY	9	LR	5C
SHELL	2724	CASTRO VALLEY BLVD	CASTRO VALLEY	9	LT	5C
SHELL	2724	CASTRO VALLEY BLVD	CASTRO VALLEY	9	Cs	WCRBT
ARCO	2770	CASTRO VALLEY BLVD	CASTRO VALLEY	10	LR	3B
ARCO	2770	CASTRO VALLEY BLVD	CASTRO VALLEY	10	LT	3B
ARCO	2770	CASTRO VALLEY BLVD	CASTRO VALLEY	10	Cs	WCRBT
MINIT LUBE	2896	CASTRO VALLEY BLVD	CASTRO VALLEY	11	LR	3A
MINIT LUBE	2896	CASTRO VALLEY BLVD	CASTRO VALLEY	11	LT	3A
MINIT LUBE	2896	CASTRO VALLEY BLVD	CASTRO VALLEY	11	Cs	WCRBT
CHEVRON	2920	CASTRO VALLEY BLVD	CASTRO VALLEY	12	LR	3B
CHEVRON	2920	CASTRO VALLEY BLVD	CASTRO VALLEY	12	LT	3B
ADOBE PLAZA	3098	CASTRO VALLEY BLVD	CASTRO VALLEY	13	LR	3B
ADOBE PLAZA	3098	CASTRO VALLEY BLVD	CASTRO VALLEY	13	LT	3B
ADOBE PLAZA	3098	CASTRO VALLEY BLVD	CASTRO VALLEY	13	Cs	WCRBT
ARNOLD PROPERTY	3234	CASTRO VALLEY BLVD	CASTRO VALLEY	14	LR	3B
ARNOLD PROPERTY	3234	CASTRO VALLEY BLVD	CASTRO VALLEY	14	LT	3B
SAL'S FOREIGN CAR SERVICE	3343	CASTRO VALLEY BLVD	CASTRO VALLEY	15	LR	0
SAL'S FOREIGN CAR SERVICE	3343	CASTRO VALLEY BLVD	CASTRO VALLEY	15	LT	0
XTRA OIL	3495	CASTRO VALLEY BLVD	CASTRO VALLEY	16	LR	3B
XTRA OIL	3495	CASTRO VALLEY BLVD	CASTRO VALLEY	16	LT	3B
SHELL	3496	CASTRO VALLEY BLVD	CASTRO VALLEY	17	LR	0
SHELL	3496	CASTRO VALLEY BLVD	CASTRO VALLEY	17	LT	0
SHELL	3496	CASTRO VALLEY BLVD	CASTRO VALLEY	17	Cs	WCRBT
MOBIL	3519	CASTRO VALLEY BLVD	CASTRO VALLEY	18	LR	0
MOBIL	3519	CASTRO VALLEY BLVD	CASTRO VALLEY	18	LT	0
MOBIL	3519	CASTRO VALLEY BLVD	CASTRO VALLEY	18	Cs	WCRBT
RUDY'S DONUT	3692	CASTRO VALLEY BLVD	CASTRO VALLEY	19	LR	0
RUDY'S DONUT	3692	CASTRO VALLEY BLVD	CASTRO VALLEY	19	LT	0
RUDY	3692	CASTRO VALLEY BLVD	CASTRO VALLEY	19	Cs	WCRBT

ENVIRONMENTAL RECORDS SEARCH FOR
CHEVRON STN # 9-4930
3369 CASTRO VALLEY BLVD, CASTRO VALLEY

Job : RESN5001
Date: 11-21-1992

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
HELIUM TECHNOLOGY	3738	CASTRO VALLEY BLVD	CASTRO VALLEY	20	AS	NFA
TEXACO	3940	CASTRO VALLEY BLVD	CASTRO VALLEY	21	LR	5C
TEXACO	3940	CASTRO VALLEY BLVD	CASTRO VALLEY	21	LT	5C
TEXACO	3940	CASTRO VALLEY BLVD	CASTRO VALLEY	21	Cs	WCRBT
CALTRANS	2115	CENTER ST	CASTRO VALLEY	22	LR	3B
CALTRANS	2115	CENTER ST	CASTRO VALLEY	22	LT	3B
ANTHONY'S AUTO SERVICE	19592	CENTER ST	CASTRO VALLEY	23	LR	3B
ANTHONY'S AUTO SERVICE	19592	CENTER ST	CASTRO VALLEY	23	LT	3B
HAYWARD MAINTENANCE CENTER	21195	CENTER ST	CASTRO VALLEY	24	LR	0
HAYWARD MAINTENANCE CENTER	21195	CENTER ST	CASTRO VALLEY	24	LT	0
DEPT. OF TRANS./CASTRO VALLEY	21195	CENTER ST	CASTRO VALLEY	24	Cs	WCRBT
ARCO	22141	CENTER ST	CASTRO VALLEY	25	LR	3B
ARCO	22141	CENTER ST	CASTRO VALLEY	25	LT	3B
ARCO	22141	CENTER ST	CASTRO VALLEY	25	Cs	WCRBT
RELIABLE MOVERS	4070	GREENACRE RD	CASTRO VALLEY	26	AS	NFA
GARBERS PAINTING	1911	GROVE WAY	CASTRO VALLEY	27	AS	NFA
CHEVRON	2416	GROVE WAY	CASTRO VALLEY	28	LR	5C
CHEVRON	2416	GROVE WAY	CASTRO VALLEY	28	LT	5C
RETHREAD INC	2870	GROVE WAY	CASTRO VALLEY	29	AS	NFA
CLYDE ROBIN SEED COMPANY INC	4233	HEYER AVE	CASTRO VALLEY	30	AS	NFA
UNOCAL	18950	LAKE CHABOT RD	CASTRO VALLEY	31	LR	5C
UNOCAL	18950	LAKE CHABOT RD	CASTRO VALLEY	31	LT	5C
UNOCAL	18950	LAKE CHABOT RD	CASTRO VALLEY	31	Cs	WCRBT
HERTLEIN RESIDENCE	19051	LAKE CHABOT RD	CASTRO VALLEY	32	LR	3B
HERTLEIN RESIDENCE	19051	LAKE CHABOT RD	CASTRO VALLEY	32	LT	3B
HERTLEIN RESIDENCE	19051	LAKE CHABOT RD	CASTRO VALLEY	32	Cs	WCRBT
EDEN TOWNSHIP HOSPITAL	20103	LAKE CHABOT RD	CASTRO VALLEY	33	AS	NFA
CLARK'S WOODWORKING	2620	NORBRIDGE AVE	CASTRO VALLEY	34	LR	0
CLARK'S WOODWORKING	2620	NORBRIDGE AVE	CASTRO VALLEY	34	LT	0
STRAND ELECTRONICS LTD	21175	NUNES AVE	CASTRO VALLEY	35	AS	NFA
CASTRO VALLEY AUTOHAUS	20897	PARK WAY	CASTRO VALLEY	36	LR	3B
CASTRO VALLEY AUTOHAUS	20697	PARK WAY	CASTRO VALLEY	36	LT	3B
CASTRO VALLEY AUTOHAUS	20697	PARK WAY	CASTRO VALLEY	36	NT	
JIM'S MOTOR EXPRESS	4116	RAVENSWOOD DR	CASTRO VALLEY	37	AS	NFA
CHEVRON		REDWOOD & GROVE	CASTRO VALLEY	38	LR	0
CHEVRON		REDWOOD & GROVE	CASTRO VALLEY	38	LT	0
CHEVRON		REDWOOD & GROVE	CASTRO VALLEY	38	Cs	WCRBT
TIEN'S UNOCAL	20405	REDWOOD RD	CASTRO VALLEY	39	LR	3A
TIEN'S UNOCAL	20405	REDWOOD RD	CASTRO VALLEY	39	LT	3A
JESS SPENCER MORTUARY	21228	REDWOOD RD	CASTRO VALLEY	40	AS	NFA
IDEAL PEST CONTROL	21701	REDWOOD RD	CASTRO VALLEY	41	AS	NFA
BEACON	22315	REDWOOD RD	CASTRO VALLEY	42	LR	3B
BEACON	22315	REDWOOD RD	CASTRO VALLEY	42	LT	3B
BEACON	22315	REDWOOD RD	CASTRO VALLEY	42	Cs	WCRBT
RJ QUICK CLEAN	2517	SAN CARLOS AVE	CASTRO VALLEY	43	LR	0

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
RJ QUICK CLEAN	2517	SAN CARLOS AVE	CASTRO VALLEY	43	LT	0
EAST BAY SCAFFOLDING	2552	SAN CARLOS AVE	CASTRO VALLEY	44	LR	0
EAST BAY SCAFFOLDING	2552	SAN CARLOS AVE	CASTRO VALLEY	44	LT	0
ANTHONYS TERMITE CONTROL	2566	SAN CARLOS AVE	CASTRO VALLEY	45	AS	NFA
MIZER & SON TREE AND GARDEN SP	19121	SAN MIGUEL AVE	CASTRO VALLEY	46	AS	NFA
UNOCAL		STROBRIDGE & CASTRO VLY	CASTRO VALLEY	47	Cs	WCRBT
OLYMPIC SERVICE STATION		UNKNOWN	CASTRO VALLEY		Cs	WCRBT
SAL'S FOREIGN CAR SERVICE	20845	WILBEAM AVE	CASTRO VALLEY	48	LR	0
SAL'S FOREIGN CAR SERVICE	20845	WILBEAM AVE	CASTRO VALLEY	48	LT	0
SAL	20845	WILBEAM AVE	CASTRO VALLEY	48	Cs	WCRBT

OPERATING PERMITS SEARCH FOR
CHEVRON STN # 9-4930
3369 CASTRO VALLEY BLVD, CASTRO VALLEY

Job : RESN5001
Date: 11-21-1992

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
SHELL STATION #204-1381-0407	2724	CASTRO VALLEY BLVD , LAKE CHAB	CASTRO VALLEY	9	HW	
JACK EDWARDS	2724	CASTRO VALLEY BLVD	CASTRO VALLEY	9	UT	
JACK EDWARDS	2724	CASTRO VALLEY BLVD	CASTRO VALLEY	9	UT	
A J & H E PELKEY	2770	CASTRO VALLEY BLVD	CASTRO VALLEY	10	UT	
QUALITY TUNE UP	2780	CASTRO VALLEY BLVD	CASTRO VALLEY	49	UT	
WALTZ EXXON SERVICE	2896	CASTRO VALLEY BLVD	CASTRO VALLEY	11	UT	
JACK EDWARDS CHEVRON	2920	CASTRO VALLEY BLVD	CASTRO VALLEY	12	HW	
96991	2920	CASTRO VALLEY BLVD	CASTRO VALLEY	12	UT	
CASTRO VALLEY CARWASH	3098	CASTRO VALLEY BLVD	CASTRO VALLEY	13	HW	
SCRUB-A-LUV CAR WASH	3098	CASTRO VALLEY BLVD	CASTRO VALLEY	13	UT	
ROCKY AUTO BODY AND PAINTING	3142	CASTRO VALLEY BLVD	CASTRO VALLEY	50	HW	
94930	3369	CASTRO VALLEY BLVD	CASTRO VALLEY	51	UT	
MOBIL SERVICE STATION	3519	CASTRO VALLEY BLVD	CASTRO VALLEY	18	UT	
QUIK STOP #88	20757	LAKE CHABOT RD	CASTRO VALLEY	52	UT	
PACIFIC BELL (P5-200)	2610	NORBRIDGE AVE	CASTRO VALLEY	53	UT	
CASTRO VALLEY AUTOHAUS	20697	PARK WAY	CASTRO VALLEY	36	HW	
UNION OIL SS #5201	20405	REDWOOD RD	CASTRO VALLEY	39	UT	
FRANK TIEN	20405	REDWOOD RD	CASTRO VALLEY	39	UT	
UNION OIL SS# 5201	20405	REDWOOD RD	CASTRO VALLEY	39	UT	
EXXON SERVICE STATION	20450	REDWOOD RD	CASTRO VALLEY	54	UT	
BEACON STATION #574	22315	REDWOOD RD	CASTRO VALLEY	42	UT	
CASTRO VALLEY FIRE PROTECTION	20336	SAN MIGUEL AVE	CASTRO VALLEY	55	UT	
R.T. NAHAS	3336	VILLAGE DR	CASTRO VALLEY	56	HW	
SAL'S FOREIGN CAR SERVICE INC	20845	WILBEAM AVE	CASTRO VALLEY	48	HW	
CORPORATION YARD	21000	WILBEAM AVE	CASTRO VALLEY	57	UT	

REFERENCED SOURCES

FEDERAL SOURCES

NL National Priority List (06/17/92)

CC Comprehensive Environmental Response, Compensation, and Liability System CERCLIS (06/17/92)

NFA No Further Action

FF Federal Facilities (06/17/92)

LI Superfund Liens - LIENS (03/13/92)

CALIFORNIA STATE SOURCES

BP Annual Work Plan (formerly BEP) (06/29/92)

AWP	Active Annual Work Plan site
BKLG	Backlog, potential AWP site
COM	Certified, but in Operation & Maintenance mode
CERT	Certified, site has been remediated
DLIST	Delisted
REFRC	Former AWP site, referred to RCRA
REFRW	Former AWP site, referred to RWQCB

AS CALSITES (formerly ASPIS) (06/29/92)

PEAR	Preliminary Endangerment Assessment
SSR	Site Screening Required
HRR	Hazard Ranking Required
PRPR	Potential Responsible Party search Required
NFA	No Further Action
EPA	Federal EPA lead
RCRA	RECRA permitting program lead
RWQC	Regional Water Quality Board lead
CNTY	County lead
OAL	Other Agency lead

(Suffixes L,M or H indicates Low, Medium or High Priority)

CS Office of Planning and Research, State of California - CORTESE

WCRBT	Tank leaks.
DHS1	Abandoned hazardous waste site.
DHS2	Contaminated public drinking wells serving less than 200 connections.
DHS3	Contaminated public drinking wells serving more than 200 connections.
DHS5	Sites pusuant to section 25356 of the Health and Safety Code (see BEP)
WMB	Solid waste disposal sites with known migration of hazardous waste.

ST Solid Waste Assessment Test, California State - SWAT(S) (11/6/91)

Facilities or sites are ranked within each region on a scale 1-15 according to priority.

SS Solid Waste Information System - SWIS (1/92)

LT Leaking Underground Storage Tanks, California State - LUST(S) (May 92)

0	No action
1	Leak being confirmed
3A	Prel site assessment workplan submitted
3B	Prel site assessment underway
5C	Pollution characterization
5R	Remediation plan
7	Remedial action underway
8	Post remedial action monitoring
9	Case closed

REGIONAL SOURCES (updated quarterly)

LR Leaking Underground Storage Tanks, Regional - LUST(R)

0	No action
1	Leak being confirmed
3A	Prel site assessment workplan submitted
3B	Prel site assessment underway
5C	Pollution characterization
5R	Remediation plan
7	Remedial action underway
8	Post remedial action monitoring
9	Case closed

NT Non-Tank or Unauthorized Releases

1	Leak being confirmed
2	Spill Response
3	Preliminary Assessment
3A	Prel Site Assessment plan submitted
3B	Prel Site Assessment underway
5	Remedial Investigation
6A	Remediation Plan Submitted
6B	Remediation Underway
7	Post Remedial Monitoring
9	Case Closed

TP Toxic Pits, Regional

SR Solid Waste Assessment Test, Regional - SWAT(R)

Priority Ranking 1-15

WP Well Investigation Program

1A	Organics exceeding action levels
1B	Organics with set action levels
2	Inorganics exceeding action level

OPERATING PERMITS

HW Hazardous Waste Information System - HWIS (11/1990)

EPA Permit number

UT Underground Storage Tank Permits (1987)

Reference to tank permit

SA SARA Title III

ENVIRONMENTAL RECORDS SEARCH

LISTED BY SOURCE

INTRODUCTION

The following government sources have been searched for sites within one mile radius, unless otherwise stated, of the subject location.

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there was any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within the specified range.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a data base used by the EPA to track activities conducted under the Comprehensive Environmental Response, and Liability Act CERCLA (1980) and the amendment the Superfund A and Reauthorization Act, SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal (TSD) facilities and releases larger than specific Reportable Quantaties (RQ), established by EPA.

Using the National Oil and Hazardous Substance Pollution Contingency Plan (National Contingency Plan) EPA set priorities for cleanup.

EPA rates National Contingency Plan sites according to a quantitive Hazard Ranking System (HRS) based on the potential health risk via any one or more potential pathways; ground-water, surface water, air, direct contact, and fire /explosion.

EPA and state agencies seek to identify potentially responsible parties (PRP) and ultimately

Responsible Parties (RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

Status Codes: *NFA - No Further Action*

No listings within the specified range.

FEDFAC Federal Facilities

As part of the CERCLIS program, federal facilities with known or suspected environmental problems, Federal Facilities Hazardous Waste Compliance Docket, are tracked separately to comply with a Federal Court order.

No listings within the specified range.

LIENS Superfund Liens

A current list of Federal Superfund Liens as compiled by the Office of Enforcement and Compliance Monitoring (OECM), EPA, Washington, D.C. based upon information submitted by EPA's ten Regional Offices. The EPA and the OECM make no representations regarding the accuracy or completeness of the list.

No listings within the specified range.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agencies over the next five years.

Status Codes:		
	BKLG	Backlog, Potential Annual Work Plan Site
	AWP	Active Annual Work Plan site
	COM	Certified, but still in Operation & Maintenence mode
	CERT	Certified after remediation
	DLIST	Delisted from the AWP
	REFRC	Former AWP site referred to RCRA
	REFRW	Former AWP site referred to the Regional Water Quality Board

No listings within the specified range.

CALS CALSITES (previously known as The Abandoned Sites Program Information System ASPIS)

The Historical Abandoned Site Survey Program identified certain potential hazardous waste sites. These sites determinations were generally not made via sampling and site characterization. They were made as a result or file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 253596 of the California Health and Safety Code.

Status Codes:		
	PEARL	*Preliminary Endangerment Assessment Required, Low Priority*
	PEARM	*Preliminary Endangerment Assessment Required, Medium Priority*
	PEARH	*Preliminary Endangerment Assessment Required, High Priority*
	SSR	*Site Screening Required*
	HRR	*Hazard Ranking Required*
	PRPR	*Potential Responsible Party Search Required*
	NFA	*No Further Action for DTSC*
	EPA	*EPA is the lead agency*
	RCRA	*Mitigated under the RCRA permitting program*
	RWQCB	*Mitigated under the lead of the Regional Water Quality Board.*
	CNTY	*County Lead*
	OAL	*Other Agency Lead*

Site:	DESIGNS BY DE RON
Address:	21605 BAYWOOD AVE
City:	CASTRO VALLEY
Map Loc:	1
Status:	*NFA - No Further Action for DTSC*

Site:	R & J QUICK CLEAN CENTER
Address:	2522 CASTRO VALLEY BLVD
City:	CASTRO VALLEY
Map Loc:	4
Status:	*NFA - No Further Action for DTSC*

Site: JOSEPH NESBITT COMPANY INC
Address: 2544 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 5
Status: *NFA - No Further Action for DTSC*

Site: ONE HOUR MARTINIZING
Address: 2676 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 6
Status: *NFA - No Further Action for DTSC*

Site: VALLEY COIN LAUNDRY
Address: 2678 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 7
Status: *NFA - No Further Action for DTSC*

Site: HELIUM TECHNOLOGY
Address: 3738 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 20
Status: *NFA - No Further Action for DTSC*

Site: RELIABLE MOVERS
Address: 4070 GREENACRE RD
City: CASTRO VALLEY
Map Loc: 26
Status: *NFA - No Further Action for DTSC*

Site: GARBERS PAINTING
Address: 1911 GROVE WAY
City: CASTRO VALLEY
Map Loc: 27
Status: *NFA - No Further Action for DTSC*

Site: RETHREAD INC
Address: 2870 GROVE WAY
City: CASTRO VALLEY
Map Loc: 29
Status: *NFA - No Further Action for DTSC*

Site: CLYDE ROBIN SEED COMPANY INC
Address: 4233 HEYER AVE
City: CASTRO VALLEY
Map Loc: 30
Status: *NFA - No Further Action for DTSC*

Site: EDEN TOWNSHIP HOSPITAL
Address: 20103 LAKE CHABOT RD
City: CASTRO VALLEY
Map Loc: 33
Status: *NFA - No Further Action for DTSC*

Site: STRAND ELECTRONICS LTD
Address: 21175 NUNES AVE
City: CASTRO VALLEY
Map Loc: 35
Status: *NFA - No Further Action for DTSC*

Site: JIM'S MOTOR EXPRESS
Address: 4116 RAVENSWOOD DR
City: CASTRO VALLEY
Map Loc: 37
Status: *NFA - No Further Action for DTSC*

Site: JESS SPENCER MORTUARY
Address: 21228 REDWOOD RD
City: CASTRO VALLEY
Map Loc: 40
Status: *NFA - No Further Action for DTSC*

Site: IDEAL PEST CONTROL
Address: 21701 REDWOOD RD
City: CASTRO VALLEY
Map Loc: 41
Status: *NFA - No Further Action for DTSC*

Site: ANTHONYS TERMITE CONTROL
Address: 2566 SAN CARLOS AVE
City: CASTRO VALLEY
Map Loc: 45
Status: *NFA - No Further Action for DTSC*

Site: MIZER & SON TREE AND GARDEN SP
Address: 19121 SAN MIGUEL AVE
City: CASTRO VALLEY
Map Loc: 46
Status: *NFA - No Further Action for DTSC*

CORTESE State of California Office of Planning and Research

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or

substances sites. This source was last updated by the government in November 1990.

Status Codes:	*WRCBT*	*Tank leaks. Compiled by Water Resource Control Board.*
	DHS1	*Abandoned hazardous waste site. Compiled by Toxic Substance Control Div. of DHS.*
	DHS2	*Contaminated public water drinking wells serving less than 200 connections. Compiled by Env. Health Div. of DHS.*
	DHS3	*Contaminated public water drinking wells serving more than 200 connections.*
	DHS5	*Sites pusuant to section 25356 of the Health and Safety Code (see BEP)*
	CWMB	*Solid waste disposal sites with known migration of hazardous waste.*

Site: ODS SITE #2
Address: CASTRO VALLEY BLVD
City: CASTRO VALLEY
Status: *WCRBT - Leaking Tank*

Site: THRIFTY OIL
Address: 2504 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 3
Status: *WCRBT - Leaking Tank*

Site: UNKNOWN
Address: 2691 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 8
Status: *WCRBT - Leaking Tank*

Site: SHELL
Address: 2724 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 9
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: 2770 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 10
Status: *WCRBT - Leaking Tank*

Site: MINIT LUBE
Address: 2896 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 11
Status: *WCRBT - Leaking Tank*

Site: ADOBE PLAZA
Address: 3098 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 13
Status: *WCRBT - Leaking Tank*

Site: SHELL
Address: 3496 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 17
Status: *WCRBT - Leaking Tank*

Site: MOBIL
Address: 3519 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 18
Status: *WCRBT - Leaking Tank*

Site: RUDY
Address: 3692 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 19
Status: *WCRBT - Leaking Tank*

Site: TEXACO
Address: 3940 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 21
Status: *WCRBT - Leaking Tank*

Site: DEPT. OF TRANS./CASTRO VALLEY
Address: 21195 CENTER ST
City: CASTRO VALLEY
Map Loc: 24
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: 22141 CENTER ST
City: CASTRO VALLEY
Map Loc: 25
Status: *WCRBT - Leaking Tank*

Site: UNOCAL
Address: 18950 LAKE CHABOT RD
City: CASTRO VALLEY
Map Loc: 31
Status: *WCRBT - Leaking Tank*

Site: HERTLEIN RESIDENCE
Address: 19051 LAKE CHABOT RD
City: CASTRO VALLEY
Map Loc: 32
Status: *WCRBT - Leaking Tank*

Site: CHEVRON
Address: REDWOOD & GROVE
City: CASTRO VALLEY
Map Loc: 38
Status: *WCRBT - Leaking Tank*

Site: BEACON
Address: 22315 REDWOOD RD
City: CASTRO VALLEY
Map Loc: 42
Status: *WCRBT - Leaking Tank*

Site: UNOCAL
Address: STROBRIDGE & CASTRO VLY
City: CASTRO VALLEY
Map Loc: 47
Status: *WCRBT - Leaking Tank*

Site: OLYMPIC SERVICE STATION
Address: UNKNOWN
City: CASTRO VALLEY
Status: *WCRBT - Leaking Tank*

Site: SAL
Address: 20845 WILBEAM AVE
City: CASTRO VALLEY
Map Loc: 48
Status: *WCRBT - Leaking Tank*

LUST(S) Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes:

0	*No action*
1	*Leak being confirmed*
3A	*Prel site assessment workplan submitted*
3B	*Prel site assessment underway*
5C	*Pollution characterization*
5R	*Remediation plan*

7	Remedial action underway
8	Post remedial action monitoring
9	Case closed

Site: ODS SITE #2
Address: CASTRO VALLEY BLVD
City: CASTRO VALLEY
Status: *0 - No Action Taken.*

Site: UNOCAL
Address: 2445 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 2
Status: *5C - Pollution characterization.*

Site: THRIFTY OIL
Address: 2504 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 3
Status: *5R - Remediation Plan submitted.*

Site: UNKNOWN
Address: 2691 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 8
Status: *0 - No Action Taken.*

Site: SHELL
Address: 2724 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 9
Status: *5C - Pollution characterization.*

Site: ARCO
Address: 2770 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 10
Status: *3B - Prelim Site Assessment underway.*

Site: MINIT LUBE
Address: 2896 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 11
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: CHEVRON
Address: 2920 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 12
Status: *3B - Prelim Site Assessment underway.*

Site: ADOBE PLAZA
Address: 3098 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 13
Status: *3B - Prelim Site Assessment underway.*

Site: ARNOLD PROPERTY
Address: 3234 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 14
Status: *3B - Prelim Site Assessment underway.*

Site: SAL'S FOREIGN CAR SERVICE
Address: 3343 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 15
Status: *0 - No Action Taken.*

Site: XTRA OIL aka Shell
Address: 3495 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 16
Status: *3B - Prelim Site Assessment underway.*

Site: SHELL
Address: 3496 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 17
Status: *0 - No Action Taken.*

Site: MOBIL
Address: 3519 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 18
Status: *0 - No Action Taken.*

Site: RUDY'S DONUT
Address: 3692 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 19
Status: *0 - No Action Taken.*

Site: TEXACO
Address: 3940 CASTRO VALLEY BLVD
City: CASTRO VALLEY
Map Loc: 21
Status: *5C - Pollution characterization.*

Site: CALTRANS
Address: 2115 CENTER ST
City: CASTRO VALLEY
Map Loc: 22
Status: *3B - Prelim Site Assessment underway.*

Site: ANTHONY'S AUTO SERVICE
Address: 19592 CENTER ST
City: CASTRO VALLEY
Map Loc: 23
Status: *3B - Prelim Site Assessment underway.*

Site: HAYWARD MAINTENANCE CENTER
Address: 21195 CENTER ST
City: CASTRO VALLEY
Map Loc: 24
Status: *0 - No Action Taken.*

Site: ARCO
Address: 22141 CENTER ST
City: CASTRO VALLEY
Map Loc: 25
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 2416 GROVE WAY
City: CASTRO VALLEY
Map Loc: 28
Status: *5C - Pollution characterization.*

Site: UNOCAL
Address: 18950 LAKE CHABOT RD
City: CASTRO VALLEY
Map Loc: 31
Status: *5C - Pollution characterization.*

Site: HERTLEIN RESIDENCE
Address: 19051 LAKE CHABOT RD
City: CASTRO VALLEY
Map Loc: 32
Status: *3B - Prelim Site Assessment underway.*

Site: CLARK'S WOODWORKING
Address: 2620 NORBRIDGE AVE
City: CASTRO VALLEY
Map Loc: 34
Status: *0 - No Action Taken.*

TSA performed

Site: CASTRO VALLEY AUTOHAUS
Address: 20697 PARK WAY
City: CASTRO VALLEY
Map Loc: 36
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: REDWOOD & GROVE
City: CASTRO VALLEY
Map Loc: 38
Status: *0 - No Action Taken.*

SVE performed; remediation plan pending

Site: TIEN'S UNOCAL
Address: 20405 REDWOOD RD
City: CASTRO VALLEY
Map Loc: 39
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: BEACON
Address: 22315 REDWOOD RD
City: CASTRO VALLEY
Map Loc: 42
Status: *3B - Prelim Site Assessment underway.*

Site: RJ QUICK CLEAN
Address: 2517 SAN CARLOS AVE
City: CASTRO VALLEY
Map Loc: 43
Status: *0 - No Action Taken.*

Site: EAST BAY SCAFFOLDING
Address: 2552 SAN CARLOS AVE
City: CASTRO VALLEY
Map Loc: 44
Status: *0 - No Action Taken.*

Site: SAL'S FOREIGN CAR SERVICE
Address: 20845 WILBEAM AVE
City: CASTRO VALLEY
Map Loc: 48
Status: *0 - No Action Taken.*