ADVANCED ENVIRONMENTAL CONCEPTS INC

Advanced Environmental Concepts, Inc. is pleased to present the following:

Continuing Soil and Groundwater Assessment

for

Former Vogue Tyres Facility

240 West MacArthur Boulevard
County of Alameda • Oakland, California

This report has been prepared for:

Mr. Warren Dodson
Dodson Ltd.

August 1997

4400 ASHE ROAD, #206 • BAKERSFIELD, CA 93313 805/831-1646 • FAX 805/831-1771

Table of Contents

1.0 INTRODUCTION

This report presents the results of a continuing subsurface soil and groundwater investigation, conducted by **Advanced Environmental Concepts, Inc.** (AEC), to further evaluate the migration of gasoline in the soil and groundwater proximal to the former underground storage tanks located at the northern portion of the property, and dispensing islands west of the former service station.

This additional assessment was conducted on August 7-8, 1997 in accordance with the work plan prepared by AEC and approved by the Alameda County Health Care Services (ACHCS). This additional investigation was authorized by Mr. Warren Dodson and performed under the supervision of Ms. Madhulla Logan, Hazardous Materials Specialist, ACHCS.

The subject site is in a commercially developed, densely populated area of the northern portion of Oakland, California. The property is currently vacant, but was a former Gulf Service Station, then Tire Repair and Resale facility.

Contained in this report is background information regarding existing site characteristics, regional and local hydrogeological profiles, and the project history. Also included in the following sections are the objectives and scope of investigation, detailed investigative procedures, and subsequent findings. Finally, AEC provides an evaluation of said findings and makes related conclusions and recommendations. The report appendices contain project maps and figures (**Appendix A**), boring logs (**Appendix B**), groundwater parameters (**Appendix C**), and Chain-of-Custody documentation/analytical results (**Appendix D**).

2.0 BACKGROUND

The Gulf Service Station originally operated three 10,000 gallon gasoline underground storage tanks (USTs), and one 350 gallon waste oil UST. Historical records indicate that the service station existed since at least 1950. The current location of the Shell Service Station, located adjacent to, and south of the subject site was a fueling station since at least 1952. The three gasoline USTs were located at the northern portion of the property, (underneath the current building), and the waste oil UST was west of the service bays. The two pump islands were west of the northern portion of the existing building. According to previous historical research there are no records documenting the removal of the three 10,000 gallon gasoline USTs. The 350 gallon waste oil UST was removed in October 1996 by All Environmental, Inc (AEI).

On October 3, 1996, AEI removed the previously identified 350 gallon waste oil UST located west of the service bays. Visual staining of waste oil range hydrocarbons was identified on the floor and sidewalls of the excavation. Confirmation soil samples collected from the excavation indicated that soil beneath the former UST emplacement were impacted with minor concentrations of petroleum hydrocarbons. At the request of ACHCS, AEI expanded the size of the excavation, then collected additional confirmation soil samples which indicated the successful removal of the contamination. Groundwater was not encountered during this excavation phase, however, due to the estimated proximity of the contamination to groundwater, a subsurface investigation was required by the County.

On January 8, 1997 AEI conducted a subsurface investigation consisting of six borings using a Geoprobe. Borings BH-1, BH-2, BH-4, and BH-6 were advanced to 20 feet below grade level (BGL), and BH-3 and BH-5 were probed to 16 feet BGL. Soil samples were collected at intervals of 5 feet, and "grab" groundwater samples were collected from inside the borings. Groundwater was identified at approximately 16 feet BGL.

The soil samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile

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aromatics (BTXE), and methyl tertiary butyl ether (MTBE). The soil samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of the laboratory analyses are summarized below. Units are in milligrams per kilograms (mg/kg) which are equivalent to parts per million (ppm). Results of these analyses are listed in **Table 1**.

Table 1
Analytical Results of Soil Samples
January 10, 1997

Sample I.D.	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
BH-1-15'	ND	ND	ND	ND	ND	ND
BH-2-15'	ND	ND	ND	ND	ND	ND
BH-3-15'	ND	ND	ND	ND	ND	ND
BH-4-15'	370	1100	ND	ND	14	4.4
BH-5-15'	1.9	2.1	0.009	0.006	0.016	ND
BH-6-15'	140	190	0.25	0.5	3.6	0.84
Detection Limits (mg/kg)	**1.0**		**0.005**	**0.005**	**0.005**	**0.005**

ND: Non-detected at indicated level of detection.

Total lead concentrations ranged from 4.6 mg/kg to 23 mg/kg which is below the recommended action level of 50 mg/kg. MTBE was non-detect for all samples analyzed, oil and grease was only run on BH-2 and BH-3 and was less than 50 mg/kg, and the PNAs exhibited trace concentrations ranging between 1.1 and 41 mg/kg.

The groundwater samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile aromatics (BTXE), and methyl tertiary butyl ether (MTBE). Groundwater samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of the laboratory analyses are summarized below. Units are in micrograms per Liter (ug/L) which are equivalent to parts per billion (ppb). Results of these analyses are listed in **Table 2**.

Table 2
Analytical Results of Groundwater Samples
January 10, 1997

Sample I.D.	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
BH1W	490	330	2.0	0.72	1.3	ND
BH2W	320	ND	ND	ND	ND	ND
BH4W	NA	6600	58	13	270	110
BH6W	450K	13,000	870	65	570	130
Detection Limits (mg/kg)	**1.0**		**0.005**	**0.005**	**0.005**	**0.005**

ND: Non-detected at indicated level of detection.
NA: Not analyzed

Soluble lead concentrations were below detection limits, MTBE ranged from below detection limits to 320 ug/L in BH6W, oil and grease was only run on BH2W and was less than 5 mg/L, and the PNAs exhibited non detectable concentrations.

Project: AEC 97V-1804

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3.0 SITE GEOLOGY and DEPTH TO GROUNDWATER

The subject property is west of the San Francisco Bay in the foothills of Oakland. The foothills of Oakland are composed of alluvial fans and non-marine terraces with elevations from 150 to 500-feet above mean sea level. The area slopes regionally to the southwest with gradients ranging from 25 to 200-feet per mile.

The alluvial deposits of Recent age that comprise the area consist mainly of sands, gravels, silts, and clays. Generally, the coarse grained sediments are deposited near the inland hills as alluvial fans, whereas deposition of progressively finer grained sediments occurs toward the San Francisco Bay and marshlands. The upper fan areas are interpreted as intake areas where recharge of groundwater takes place. Hydraulic continuity may exist between alluvial sediments of the fan areas and certain water-bearing sediments of the central lowlands. Replenishment of groundwater occurs in the intake area by infiltration from major streams within their permeable channels and from precipitation.

The regional stratigraphy is comprised of interbedded silt, clay, and sand that is typical of sediments deposited on alluvial fans and terraces during flood stages. Generally, from grade level to a depth of 19 feet BGL a silty sand (SM) is present, containing lenticular deposits of silt and silty clay. From 19 feet to approximately 22 feet BGL, a coarse grained sand to gravel was logged and is water saturated. This permeable zone is "perched" on a less permeable clayey silt. The sedimentation typifies older, higher energy stream channels (coarse grained sand (SP) to gravel (GC)) and flood stage stream deposits (silt (ML) and clay (CL)) occur.

3.1 Soil Profile

The soil profile at the site, from grade level to approximately 7 feet BGL consists of a tan, moderately compact, silt to clayey silt (ML-SM). From 7 feet to 12 feet BGL an olive, moderately dense, fine-grained silty sand (SM) occurs. From 12 to 14-feet BGL an olive-brown, moderately dense, unconsolidated sand (SM-SP) is present. From 14 to 19 feet BGL a tan-brown, moderately compact clayey silt is identified (ML), and is underlain by a multi-colored, unconsolidated coarse-grain sand and gravel (SW-GC) to a depth of 22 feet BGL. This water-bearing sand is "perched" on a less permeable clayey silt.

The current groundwater flow direction is calculated at N58W, and the gradient is 0.48'/100'. The flow direction correlates with the 1992 flow direction calculated by the Pacific Environmental Group for the Shell Station at 230 West MacArthur.

4.0 ASSESSMENT ACTIVITIES

4.1 Decontamination Procedures

Prior to beginning drilling operations, the augers, Geoprobe, and associated equipment were thoroughly cleaned using a high pressure steam cleaner. In addition, the soil sampler was washed in an Alconox solution and rinsed with deionized water (prior to initial use and between each sampling interval) to minimize the possibility of cross-contamination between samples.

4.2 Soil Boring

On August 7, 1997, three Geoprobe soil borings (BH-7, BH-8, and BH-9), and four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) were drilled proximal to the western dispenser islands, and south, west, and north of the former UST emplacement. The investigative groundwater wells and Geoprobe borings were positioned to assess the vertical and lateral migration of hydrocarbons in the subsurface and to evaluate groundwater quality. The borings were advanced using a limited access, track-mounted mobile drilling rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Boring locations are presented on **Figure 2.**

Soil samples were collected at five (5) foot intervals commencing at 5-feet below grade level (BGL), and at the capillary fringe. Samples were obtained by driving a thin-walled steel sampler, equipped with three 1 1/2-inch x 6-inch brass sleeves, or butyrate plastic sleeves, a minimum of 18-inches into previously undisturbed soil. The sampler was driven ahead of the augers using a percussion hammer. After each sampling interval, the sampler was withdrawn from the borehole and the brass, or butyrate, sleeves were removed. The sleeve retained for laboratory analysis was prepared by placing teflon tape and plastic caps over each end, then securing the caps with duct tape. The samples were labeled, recorded on Chain-of-Custody documents and placed in an ice chest chilled with blue ice. Soil exposed at each end of the sleeves and the cuttings, were examined for lithological descriptions and for any obvious hydrocarbons. Lithology descriptions were logged (**Appendix B**) according to the Unified Soils Classification System (USCS) and Chain-of-Custody documentation was followed to ensure sample integrity and traceability. Upon completion of the above described procedures, the Geoprobe borings were backfilled with bentonite and capped with concrete.

4.3 Groundwater Monitoring Wells

On August 7, 1997, four groundwater monitoring wells (MW-1,2,3, and 4) were drilled on the subject property . The wells were positioned to assess the lateral migration of hydrocarbons in the groundwater and advanced using a track-mounted limited-access drill rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Well locations are presented on **Figure 2.**

Soil samples were collected using a split-spoon sampler at 5-foot intervals to groundwater at approximately 19 feet BGL. The monitoring wells were constructed of 2-inch diameter, flush-threaded, Schedule 40 PVC casing with the 0.010-inch screened interval positioned between 24.5 feet and 14.5 feet BGL (**Appendix A, Figure 3**). A 2-inch, flush-threaded, end cap was installed on the bottom of the screen to act as a sediment trap. The annulus around the screened interval was packed with Number 2/16 Monterey sand to approximately 1-2 feet above the screened interval, followed by approximately 7 feet of hydrated bentonite chips. The remaining annular space was backfilled with a cement slurry. A metal, locking traffic box was installed and cemented in place to protect the well head. Well construction details are depicted graphically in the appended boring logs.

4.4 Well Development / Sampling

On August 8, 1997, the newly installed wells were purged by pumping water using a Grundfos 2-inch submersible pump. Approximately 20 gallons of water were removed from each well until the fine sediments were less than 10% by volume. Water bearing zone parameters of pH, temperature and conductivity were obtained using a HYDAC meter, and recorded at 4-gallon intervals. The aquifer was allowed to stabilize to within 10% of its original standard level then sampled. Prior to sampling, the monitoring well was measured for depth to water. Groundwater samples were collected from the well

using a stainless steel bailer. The bailed water was transferred to clean, labeled, VOA vials, and 1 Liter amber jars, and sealed with Teflon-lined septa. Care was exercised to ensure that no air bubbles were present inside the vials. The glass containers were placed in protective padding and stored on Blue Ice for shipment to Associated Laboratories, Inc., a California-certified laboratory.

5.0 ANALYTICAL RESULTS

Soil analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 3** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**. Units are in milligrams per kilogram (mg/kg) which are equivalent to parts per million (ppm).

TABLE 3
Analytical Results - Soil Boring
August 7, 1997
(ppm)

Sample I.D.	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethlbenzene
BH-7-12'	ND	ND	ND	ND	ND	ND
BH-7-16'	ND	ND	ND	ND	ND	ND
BH-8-8'	ND	ND	ND	ND	ND	ND
BH-8-12'	ND	168	0.02	ND	5.1	0.45
BH-8-16'	ND	21	0.027	0.07	0.75	ND
BH-9-8'	ND	ND	ND	0.032	0.28	0.029
BH-9-12'	ND	ND	ND	0.012	ND	ND
BH-9-16'	ND	ND	ND	ND	ND	ND
MW-1-10'	ND	ND	ND	ND	ND	ND
MW-1-17'	ND	ND	ND	0.031	ND	ND
MW-2-10'	ND	ND	ND	ND	ND	ND
MW-2-17'	ND	16	0.035	0.037	0.15	0.018
MW-3-10'	ND	ND	ND	ND	ND	ND
MW-3-15'	ND	ND	0.027	ND	ND	ND
MW-4-10'	ND	ND	ND	ND	ND	ND
MW-4-17'	ND	ND	ND	ND	ND	ND
Detection limits (mg/kg):5.00			.0050	0.0050	0.0050	0.0050

ND: Non Detected at indicated limit of detection

Water analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 4** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**. Units are in micrograms per Liter (ug/L) which are equivalent to parts per billion (ppb).

TABLE 4
Analytical Results - Monitoring Wells
August 8, 1997
(ppb)

Sample I.D.	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethlbenzene
MW-1	ND	1,140	110	16	112	15
MW-2	ND	5,350	108	36	144	33
MW-3	ND	8,500	450	30	106	53
MW-4	ND	ND	ND	ND	ND	ND
Detection limits (mg/L):		5.00	.0050	0.0050	0.0050	0.0050

ND: Non Detected at indicated limit of detection

TABLE 5
Biological Factors
August 8, 1997
(ppb)

Sample I.D.	2580 B	300.0 (Nitrate)	300.0 Sulfate	310.1	3500 FED	360.1
MW-1	311	7.1	92	238	0.10	8.2
MW-2	331	0	43	398	0.50	6.3
MW-3	330	0	56	368	ND	7.9
MW-4	307	19.5	87	140	ND	7.8
Detection Limits (mg/kg)		5	5	5.0	0.10	

2580B: Redox Potential @ Temp
300.0: Nitrate As NO3 by Ion Chromatograph
310.1 Alkalinity
3500FED: Ferrous Iron
360.1: Dissolved Oxygen, Membrane Electrode

6.0 EXTENT OF HYDROCARBON MIGRATION

The January 1997 soil and groundwater assessment by AEI, and subsequent soil sampling and groundwater monitoring well installation conducted by AEC in August 1997, indicates a gasoline and diesel plume spanning the northern half of the property (**Appendix A, Figure 2).** The investigation indicate that native soil had a slight to strong gasoline odor that varied with depth and permeability of the soil matrix, but was consistently identified in the unconsolidated sand identified at 12 feet BGL. PID readings indicated elevated concentrations of hydrocarbon vapors coinciding with the malodorous intervals.

The hydrocarbon concentrations have established a pattern consistent with multiple release points of smaller volumes over a long period of time. For example, elevated gasoline concentrations are identified in the soil and groundwater adjacent the western most dispenser (BH-4, BH-8, MW-3). The hydrocarbon concentrations are trace to non detect in BH-5 and BH-7 which are located approximately 20 feet away. Apparently, gasoline and diesel-range hydrocarbons have been released proximal to the former gasoline UST emplacement, the waste oil UST emplacement, and the western island location however, lateral migration has been limited. The releases are probably due to a combination of overspill while filling the 10,000 gallon USTs (or waste oil

removal) and the fittings manifolding the plumbing from the USTs to the islands. The absence of any significantly elevated soil contamination again indicates small volume type of releases over long time periods versus a large volume release associated with corrosion holes in the USTs and/or pressurized piping. Also, the age of the former station indicates that it first operated under a vacuum dispensing system (pumps lose prime if there is a problem and therefore won't dispense gasoline), and was later converted to a pressurized dispensing system. The conversion process should have identified potential points where leakage may have occurred and remedied the situation.

6.1 Bio-Remediation Factors

Biological factors that were measured in the groundwater are Redox Potential, Nitrate, Sulfate, Alkalinity, Iron, and Dissolved Oxygen. The results indicate that dissolved oxygen and nitrate are present in the groundwater, an adequate Redox Potential exists, and no negative conditions (i.e. high iron content) exist that would impede passive bio-remediation.

7.0 CONCLUSIONS

- Three Geoprobe soil borings were advanced and four groundwater monitoring wells were advanced at the subject site.
- Soil samples from BH-7, BH-9, MW-1, MW-3, and MW-4 were below detectable for all constituents analyzed. All other soil samples submitted for analysis recorded detectable concentrations of at least one constituent.
- Only groundwater from MW-4 was below detectable limits for all constituents analyzed.
- Groundwater gradient was calculated to be 0.48'/100' to the northwest.
- Physical and chemical factors that control native/passive remediation in the groundwater were measured analytically. Recorded results indicate that the groundwater is suitable for passive remedation and no negative conditions exist.

8.0 RECOMMENDATIONS

AEC recommends continued quarterly sampling of the groundwater monitoring wells for a period of one year to demonstrate plume stability and natural attenuation. Since the sources of continued contamination (USTs and dispensers) have been removed it does not appear that this site requires proactive remediation. Analysis of natural attenuation parameters will continue to be measured, primarily dissolved oxygen and oxidation-reduction potential. After one year, if the hydrocarbon concentrations indicate an increasing trend in concentrations, or greater lateral migration AEC will recommend a site specific treatment option.

9.0 LIMITATIONS

This work has been performed in accordance with generally accepted environmental science and engineering practices. Conclusions and recommendations are based upon information collected and compiled during this investigation. No other warranty, expressed or implied, is given.

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10.0 CLOSING

Advanced Environmental Concepts, Inc. appreciates the opportunity to be of service to Mr. Warren Dodson, of Dodson Ltd. on this project. If there should be any questions or additional information required regarding this report, please do not hesitate to contact our office at (805) 831-1646.

This Environmental Site Assessment has been prepared by:

Advanced Environmental Concepts, Inc.

REGISTERED ENVIRONMENTAL ASSESSOR
JONATHAN L. BUCK
No. 01508
Expires: 6/98
STATE OF CALIFORNIA

Jonathan L. Buck
Project Hydro geologist
California Registered Environmental Assessor #1508

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This report has been technically reviewed by:

REGISTERED GEOLOGIST
JOSEPH A. DUNWOODY III
5504
STATE OF CALIFORNIA

Joseph A. Dunwoody III
Registered Geologist #5504
Certified Hydrogeologist #156

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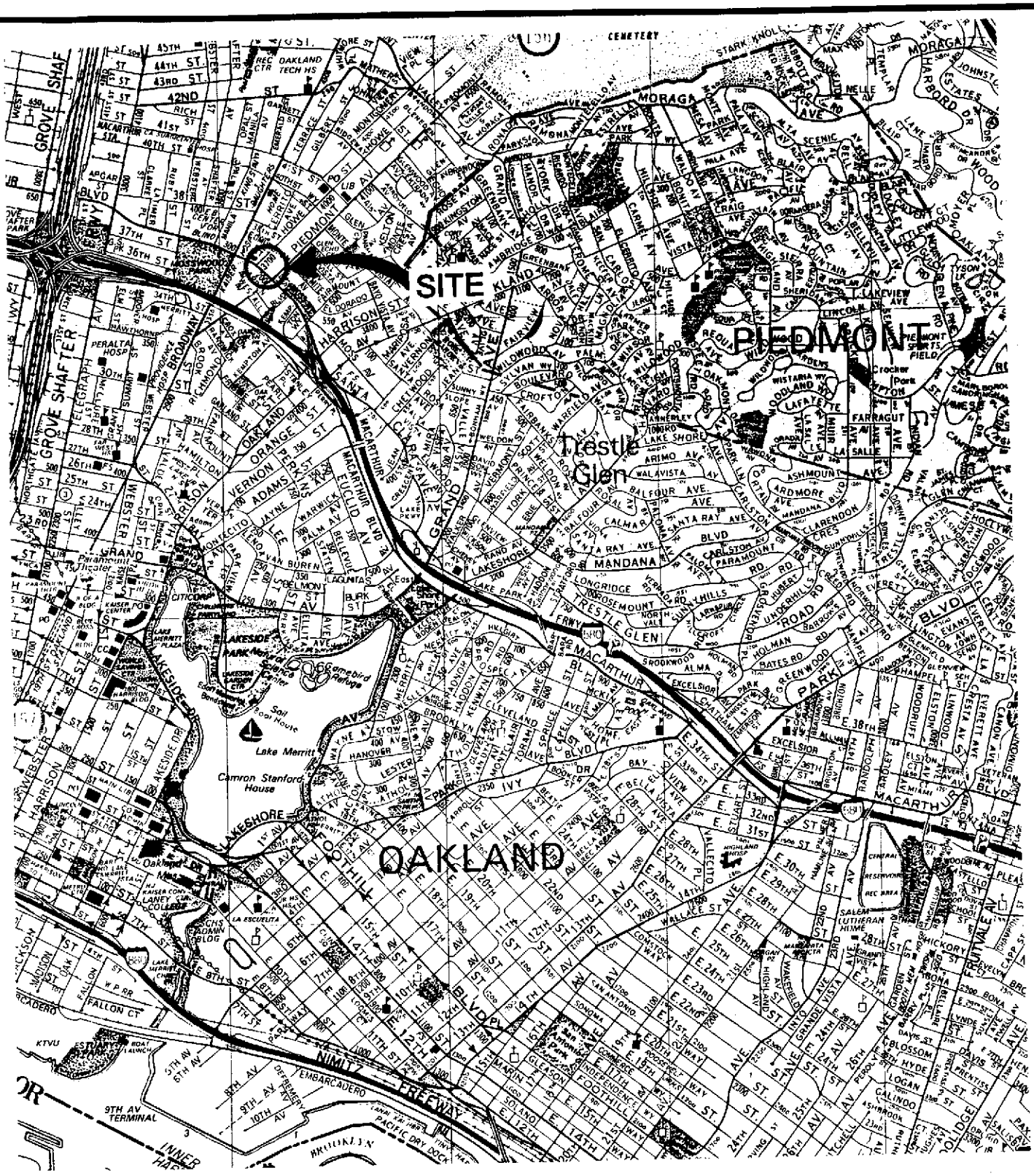

Map Source: Thomas Maps

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ADVANCED ENVIRONMENTAL CONCEPTS
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- SITE AREA -

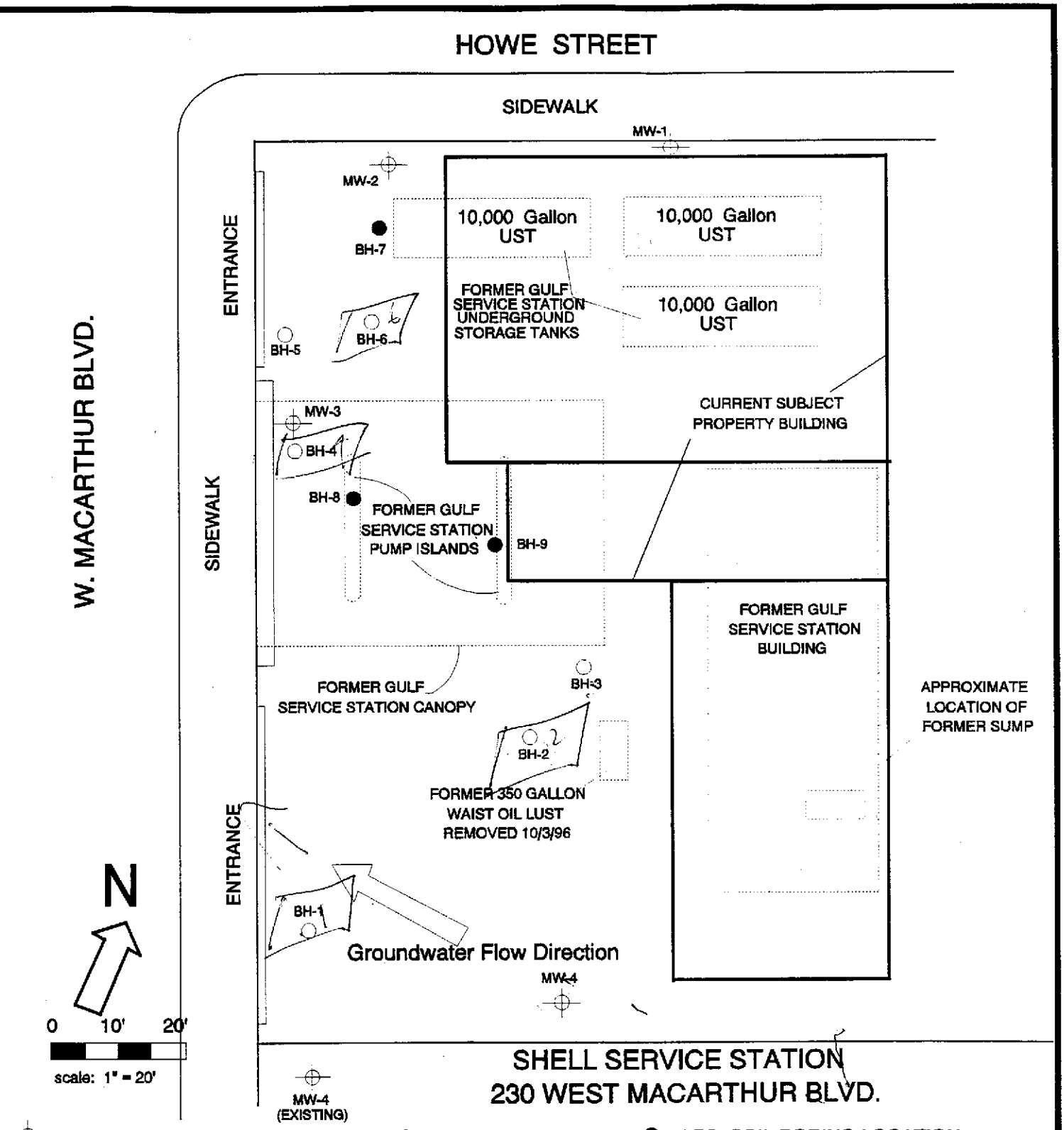
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



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- SITE LOCATION -

VOGUE TYRES

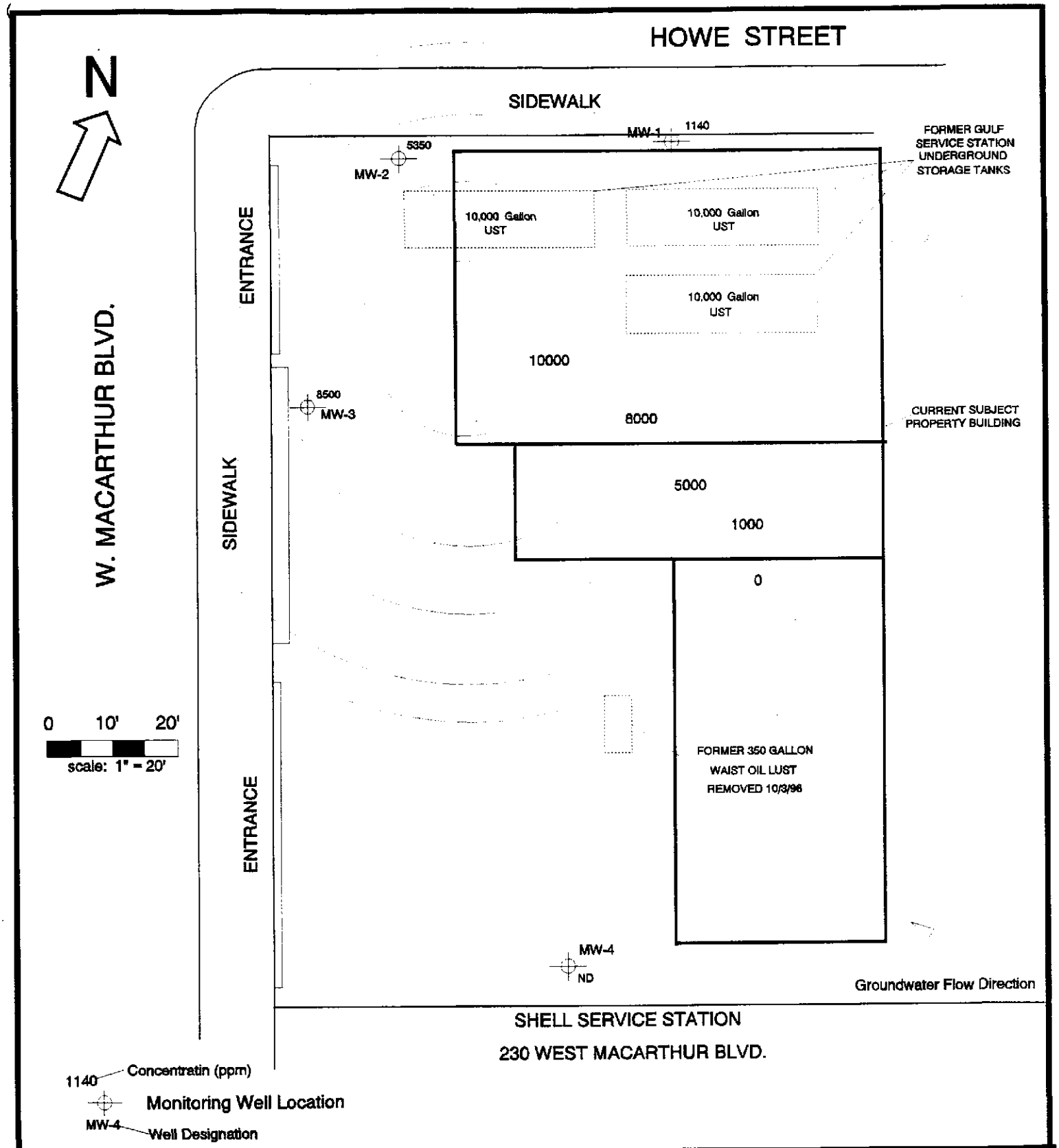
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

2



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- Gasoline Concentration In Groundwater -

VOGUE TYRES

Prestige Products Corporation
240 West MacArthur Blvd.
County of Alameda - Oakland, California

FIGURE
3

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5		29.2	SW	SAND (SW): Olive-tan, rust staining, moderately dense, unconsolidated, fine-grained, conguneratic, some silt, slightly moist, no apparent gasoline odor.
	10		18.4	SM	SAND (SM): Olive, moderately dense, loosely consolidated, fine-grained, silty, increasing clay, moderately moist, no apparent gasoline odor.
			22.1		
	15		7.89	SP	SAND (SP): Olive, moderately dense, loosely consolidated, fine-grained, slightly to moderately moist, strong gasoline odor.
	20				
	25				
	30				

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WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. BH-7 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 16' DEPTH TO WATER: INITIAL _____ STATIC N/A

CASING TYPE _____ DIAMETER _____ SCHEDULE _____ INTERVAL _____ TO _____

SCREEN TYPE _____ DIAMETER _____ SLOT SIZE _____ INTERVAL _____ TO _____

FILTER PACK TYPE _____ INTERVAL _____ TO _____

SURFACE SEAL TYPE _____ INTERVAL _____ TO _____

NOTES _____

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5		22	SM	SILT (SM): Olive-tan, moderately compact, stiff, sandy-clayey in part, moderately moist, *slight gasoline* odor.
			721	SM	SAND (SM): Olive, moderately dense, loosely consolidated, fine-grained, some rock fragments, silty-clayey, moderately moist, strong gasoline odor.
	10				
			451	SW	SAND (SM): Olive-tan, moderately dense, loosely consolidated, fine to medium grained, confjfdjfjf, silty moderately moist, strong gasoline odor. "HOT" Sand (>2000 ppm), might be water sand, now only very moist.
	15				
			91.3	SW	SAND (SW): Tan-olive, moderately dense, loosely consolidated, fine-grained, silty-clayey, conglomeratic, moderately moist, strong gasoline odor.
	20				
	25				
	30				

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WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California
WELL/BORING NO. BH-8 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A
DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY
DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe
BORE HOLE DIAMETER 8" TOTAL DEPTH 16' DEPTH TO WATER: INITIAL _____ STATIC N/A
CASING TYPE _____ DIAMETER _____ SCHEDULE _____ INTERVAL _____ TO _____
SCREEN TYPE _____ DIAMETER _____ SLOT SIZE _____ INTERVAL _____ TO _____
FILTER PACK TYPE _____ INTERVAL _____ TO _____
SURFACE SEAL TYPE _____ INTERVAL _____ TO _____
NOTES _____

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5			CL	CLAY (CL): Tan, compact, stiff, moderately moist, silty in part, weathered, moerately moist, no apparent hydrocarbon odor.
			68	SM	SAND (SM): Olive, moderately dense, loosely consolidated, fine-grained, silty, increasing clay, moderately moist, no apparent gasoline odor.
	10				
			292	SM	SAND (SM): Olive-brown, gray staining, loosely consolidated, fine-grained, silty-clayey, moderately moist, moderate gasoline odor.
	15				
			590	ML	SILT (ML): Buff-tan, moderately compact, stiff, clayey in part, moderately to very moist, moderate gasoline odor.
	20				
	25				
	30				

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WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. BH-9 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 16' DEPTH TO WATER: INITIAL _____ STATIC N/A

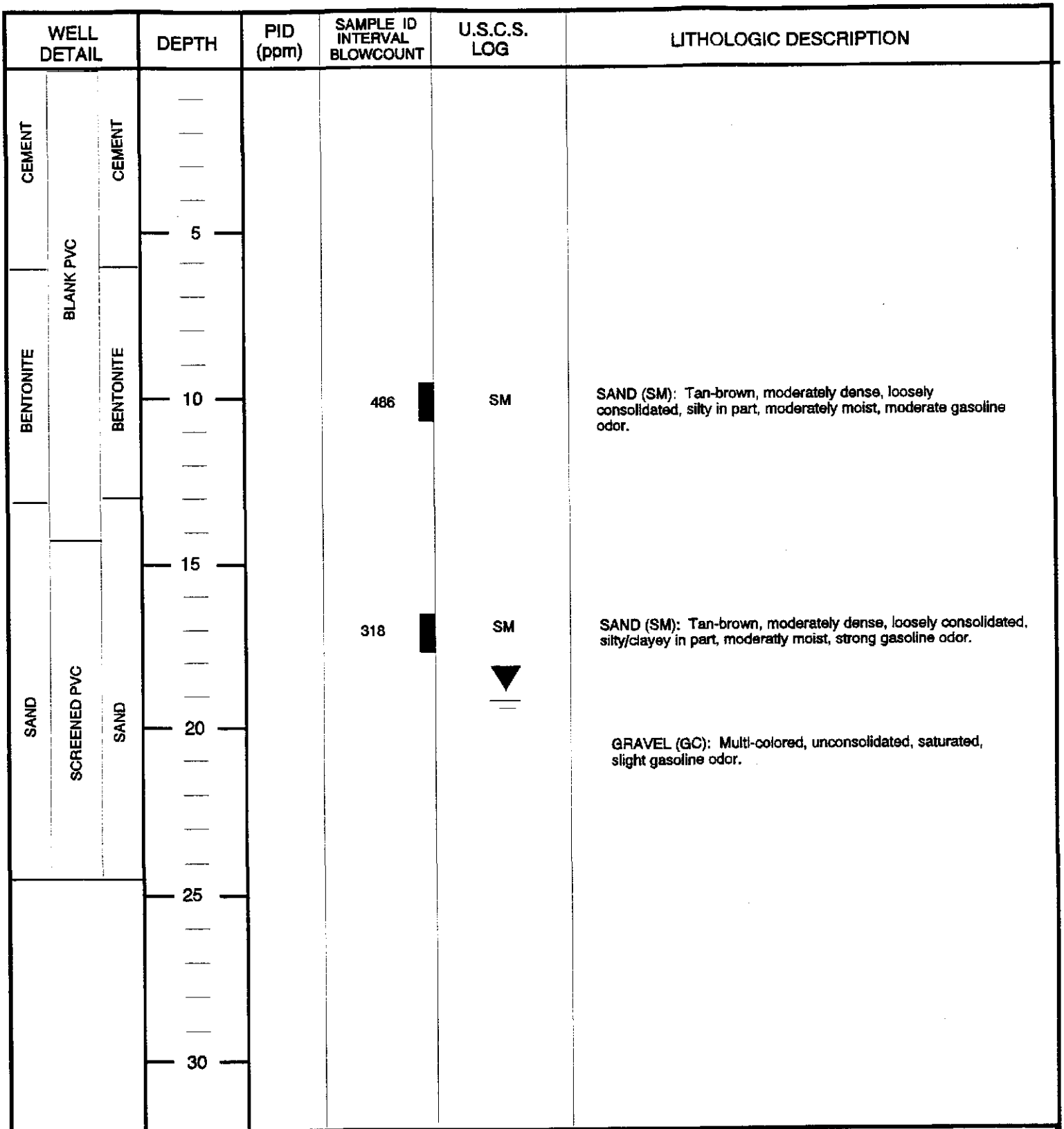
CASING TYPE _____ DIAMETER _____ SCHEDULE _____ INTERVAL _____ TO _____

SCREEN TYPE _____ DIAMETER _____ SLOT SIZE _____ INTERVAL _____ TO _____

FILTER PACK TYPE _____ INTERVAL _____ TO _____

SURFACE SEAL TYPE _____ INTERVAL _____ TO _____

NOTES _____



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WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-1 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 25' DEPTH TO WATER: INITIAL 19' STATIC N/A

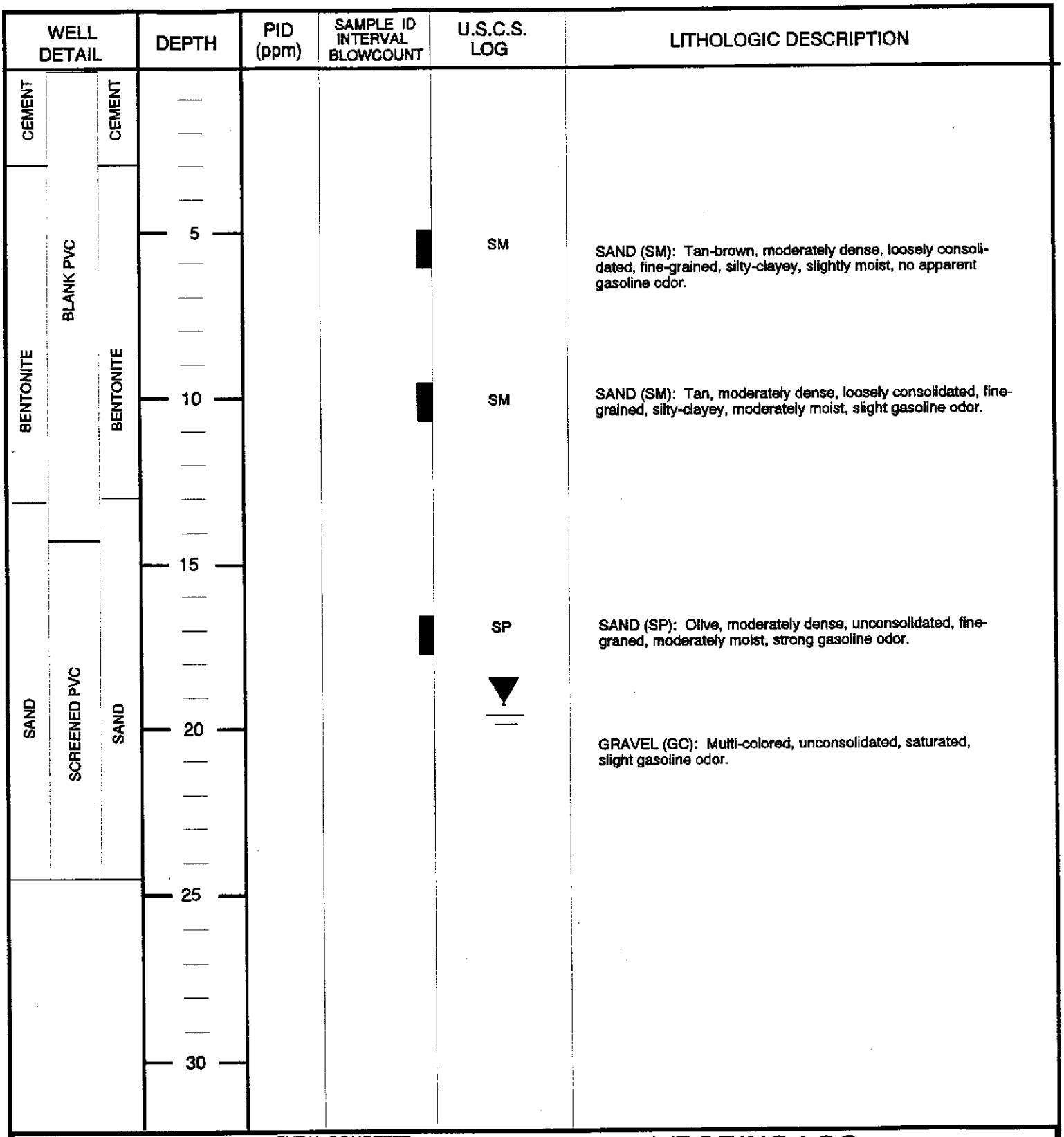
CASING TYPE PVC DIAMETER 4" SCHEDULE 40 INTERVAL 14.5 TO Grade

SCREEN TYPE PVC DIAMETER 4" SLOT SIZE 0.010 INTERVAL 24.5' TO 14.5'

FILTER PACK TYPE Sand INTERVAL 24.5' TO 13'

SURFACE SEAL TYPE Neat cement over bentonite INTERVAL 13' TO Surface

NOTES _____



AEC *ADVANCED ENVIRONMENTAL CONCEPTS*
P.O. BOX 40672 BAKERSFIELD, CA 93384

WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-2 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 25' DEPTH TO WATER: INITIAL _____ STATIC N/A

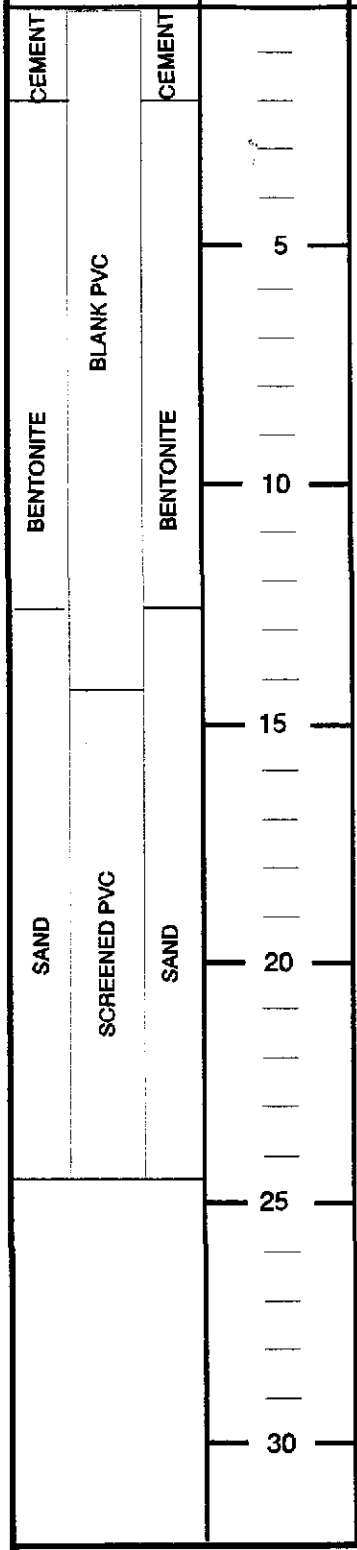
CASING TYPE PVC DIAMETER 4" SCHEDULE 40 INTERVAL 14.5 TO Grade

SCREEN TYPE PVC DIAMETER 4" SLOT SIZE 0.010 INTERVAL 24.5' TO 14.5'

FILTER PACK TYPE Sand INTERVAL 24.5' TO 13'

SURFACE SEAL TYPE Neat cement over bentonite INTERVAL 13' TO Surface

NOTES _____



WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
			14.3	SM	SAND (SM): Yellow-tan, moderately dense, loosely consolidated, silty matrix, rock fragments, slightly to moderatly moist, no gasoline odor.
			64.8	ML	SILT (ML): Tan-brown, moderately compact, stiff, clayey in part, moderately moist, increasing gasoline odor.
			148	SM	SAND (SM): Olive, moderately dense, loosely consolidated, fine-grained, silty moderately moist, moderate gasoline odor.
			343	▼	GRAVEL LENS (GC) at 20' water olive, moderately dense, unconsolidated, strong gasoline odor.

AEC *ADVANCED ENVIRONMENTAL CONCEPTS*
P.O. BOX 40672 BAKERSFIELD, CA 93384

WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-3 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 25' DEPTH TO WATER: INITIAL 19' STATIC N/A

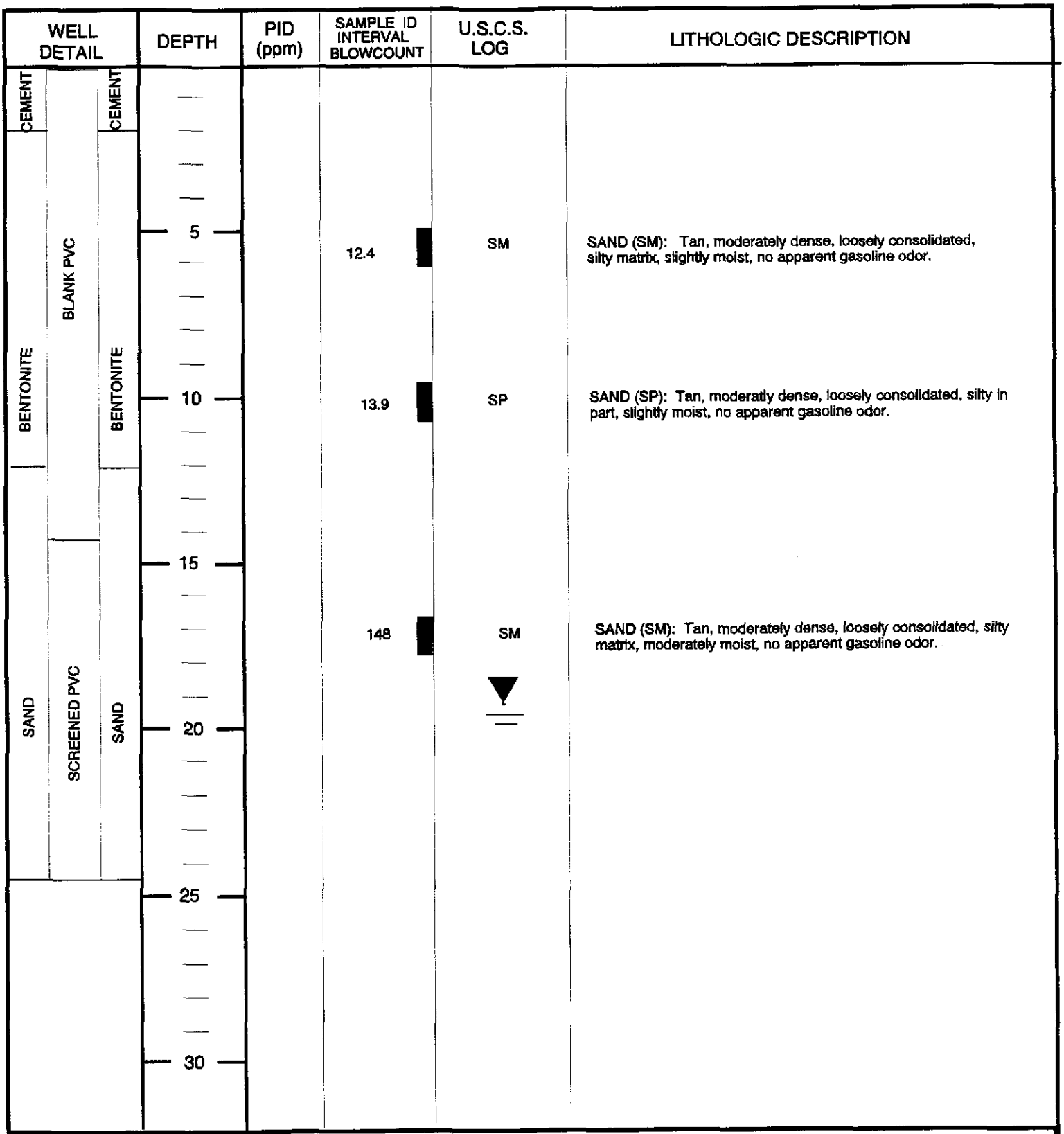
CASING TYPE PVC DIAMETER 4" SCHEDULE 40 INTERVAL 14.5 TO Grade

SCREEN TYPE PVC DIAMETER 4" SLOT SIZE 0.010 INTERVAL 24.5' TO 14.5'

FILTER PACK TYPE Sand INTERVAL 24.5' TO 13'

SURFACE SEAL TYPE Neat cement over bentonite INTERVAL 13' TO Surface

NOTES _____



AEC *ADVANCED ENVIRONMENTAL CONCEPTS*
P.O. BOX 40672 BAKERSFIELD, CA 93384

WELL/BORING LOG

PROJECT Prestige-Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-4 SURFACE ELEVATION _____ WELLHEAD ELEVATION N/A

DATE DRILLED 08/07/97 LOGGED BY J. Buck REVIEWED BY J. DUNWOODY

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD GeoProbe

BORE HOLE DIAMETER 8" TOTAL DEPTH 25' DEPTH TO WATER: INITIAL 19' STATIC N/A

CASING TYPE PVC DIAMETER 4" SCHEDULE 40 INTERVAL 14.5 TO Grade

SCREEN TYPE PVC DIAMETER 4" SLOT SIZE 0.010 INTERVAL 24.5' TO 14.5'

FILTER PACK TYPE Sand INTERVAL 24.5' TO 12'

SURFACE SEAL TYPE Neat cement over bentonite INTERVAL 12' TO Surface

NOTES _____

Groundwater Parameters

Site Name: Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: August 8, 1997

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 1			
10:02	4 gallons	2170	68.9	7.22
10:07	8 gallons	1880	68.7	7.08
10:11	12 gallons	1790	68.5	7.12
10:17	15 gallons	1760	68.8	7.16
	MONITORING WELL # 2			
09:00	4 gallons	1310	69.5	7.14
09:05	8 gallons	1260	68.8	7.01
09:08	12 gallons	1140	68.7	6.99
	15 gallons	1010	68.8	6.96
	MONITORING WELL # 3			
08:25	4 gallons	1820	68.6	8.22
08:28	8 gallons	1780	69.2	8.33
08:31	12 gallons	1760	69	8.39

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 1 Depth to Groundwater = 11.83' Corrected Depth: 16.83' Survey: 4.39'

MW # 2 Depth to Groundwater = 16.32' Corrected Depth: 17.02' Survey: 5.09'

MW # 3 Depth to Groundwater = 15.36' Corrected Depth: 16.91' Survey: 5.94'

Groundwater Parameters

Site Name: Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: August 8, 1997

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 4			
07:10	4 gallons	2820	69.3	8.22
07:14	8 gallons	1860	69.1	8.33
07:19	12 gallons	1810	68.9	8.39
	MONITORING WELL # ____			
	MONITORING WELL # ____			

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 4 Depth to Groundwater = 15.36' Corrected Depth: 16.91' Survey: 5.72'

MW # ____ Depth to Groundwater = _____ Corrected Depth: _____ Survey: _____

MW # ____ Depth to Groundwater = _____ Corrected Depth: _____ Survey: _____

ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT AEC (7139)
ATTN: Jon Buck
4400 Ashe Road
#206
Bakersfield, CA 93313

LAB REQUEST 13066

REPORTED 9/ 4/97

RECEIVED 8/11/97

PROJECT Prestige Vogue Tyres

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
34971	BH-7 @ 4'
34972	BH-7 @ 8'
34973	BH-7 @ 12'
34974	BH-7 @ 16'
34975	BH-8 @ 4'
34976	BH-8 @ 8'
34977	BH-8 @ 12'
34978	BH-8 @ 16'
34979	BH-9 @ 4'
34980	BH-9 @ 8'
34981	BH-9 @ 12'
34982	BH-9 @ 16'
34983	MW-1 @ 10'
34984	MW-1 @ 17'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Michael G. Chapman
Director Environmental Services

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

CLIENT AEC (7139)
ATTN: Jon Buck
4400 Ashe Road
#206
Bakersfield, CA 93313

LAB REQUEST 13066

REPORTED 9/4/97

RECEIVED 8/11/97

PROJECT Prestige Vogue Tyres

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
34985	MW-2 @ 5'
34986	MW-2 @ 10'
34987	MW-2 @ 17'
34988	MW-3 @ 5'
34989	MW-3 @ 10'
34990	MW-3 @ 15'
34991	MW-4 @ 5'
34992	MW-4 @ 10'
34993	MW-4 @ 17'
34994	MW-4
34995	MW-2
34996	MW-3
34997	MW-1
34998	Bailer Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Michael G. Chapman
Director Environmental Services

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 34973 **Client Sample ID:** BH-7 @ 12'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34974 **Client Sample ID:** BH-7 @ 16'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34976 **Client Sample ID:** BH-8 @ 8'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/14/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/14/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/14/97 WR
Toluene	ND	0.005	mg/Kg	8/14/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/14/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/14/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34977 **Client Sample ID:** BH-8 @ 12'
Matrix: WATER
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
6010 ICP Metals - Solid/Liquid				
Lead	12.8	0.20	mg/Kg	8/25/97 NK
8020A BTEX + MTBE				
Benzene	0.02	0.005	mg/Kg	8/13/97 WR
Ethyl benzene	0.45	0.005	mg/Kg	8/13/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/13/97 WR
Toluene	ND	0.005	mg/Kg	8/13/97 WR
Xylene (total)	5.1	0.015	mg/Kg	8/13/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	168	5	mg/Kg	8/13/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34978 **Client Sample ID:** BH-8 @ 16'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
6010 ICP Metals - Solid/Liquid				
Lead	47.8	0.20	mg/Kg	8/25/97 NK
8020A BTEX + MTBE				
Benzene	0.027	0.005	mg/Kg	8/13/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/13/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/13/97 WR
Toluene	0.070	0.005	mg/Kg	8/13/97 WR
Xylene (total)	0.75	0.015	mg/Kg	8/13/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	21	5	mg/Kg	8/13/79 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34980 **Client Sample ID:** BH-9 @ 8'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst	
8020A BTEX + MTBE					
Benzene	ND	0.005	mg/Kg	8/14/97	WR
Ethyl benzene	0.029	0.005	mg/Kg	8/14/97	WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/14/97	WR
Toluene	0.032	0.005	mg/Kg	8/14/97	WR
Xylene (total)	0.28	0.015	mg/Kg	8/14/97	WR
8015 - Total Petroleum Hydrocarbons					
Diesel	ND	10	mg/Kg	8/13/97	DC
Gasoline	ND	5	mg/Kg	8/14/97	WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34981 **Client Sample ID:** BH-9 @ 12'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	0.012	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34982 **Client Sample ID:** BH-9 @ 16'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34983 **Client Sample ID:** MW-1 @ 10'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes. ND = Not Detected below indicated detection limit

Order #: 34984 **Client Sample ID:** MW-1 @ 17'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	0.031	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34986 **Client Sample ID:** MW-2 @ 10'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34987 **Client Sample ID:** MW-2 @ 17'
Matrix: WATER
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	0.035	0.005	mg/Kg	8/14/97 WR
Ethyl benzene	0.018	0.005	mg/Kg	8/14/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/14/97 WR
Toluene	0.037	0.005	mg/Kg	8/14/97 WR
Xylene (total)	0.15	0.015	mg/Kg	8/14/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	16	5	mg/Kg	8/14/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34989 **Client Sample ID:** MW-3 @ 10'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/13/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/13/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/13/97 WR
Toluene	ND	0.005	mg/Kg	8/13/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/13/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/13/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34990 **Client Sample ID:** MW-3 @ 15'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	0.027	0.005	mg/Kg	8/12/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/12/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/12/97 WR
Toluene	ND	0.005	mg/Kg	8/12/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/12/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/12/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34992 **Client Sample ID:** MW-4 @ 10'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/13/97 WR
Ethyl benzene	ND	0.005	mg/Kg	8/13/97 WR
Methyl t - butyl ether	ND	0.05	mg/Kg	8/13/97 WR
Toluene	ND	0.005	mg/Kg	8/13/97 WR
Xylene (total)	ND	0.015	mg/Kg	8/13/97 WR
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/13/97 WR

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34993 **Client Sample ID:** MW-4 @ 17'
Matrix: SOLID
Date Sampled: 8/ 7/97

Analyte	Result	DLR	Units	Date/Analyst
8020A BTEX + MTBE				
Benzene	ND	0.005	mg/Kg	8/13/97 DC
Ethyl benzene	ND	0.005	mg/Kg	8/13/97 DC
Methyl t - butyl ether	ND	0.05	mg/Kg	8/13/97 DC
Toluene	ND	0.005	mg/Kg	8/13/97 DC
Xylene (total)	ND	0.015	mg/Kg	8/13/97 DC
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	10	mg/Kg	8/13/97 DC
Gasoline	ND	5	mg/Kg	8/13/97 DC

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34994 **Client Sample ID:** MW-4
Matrix: WATER
Date Sampled: 8/ 8/97

Analyte	Result	DLR	Units	Date/Analyst
2580B Redox Potential				
Redox Potential @Temp	307		mv	8/15/97 JA
300.0 Nitrate as NO3 by Ion Chromatography				
Nitrate (as NO3)	19.5	5	mg/L	8/20/97 SR
Sulfate	87	5	mg/L	8/20/97 SR
310.1 Alkalinity				
Alkalinity as Calcium Carbonate	140	5.0	mg/L	8/20/97 SR
3500FED Ferrous Iron (Fe+2)				
Ferrous Iron	ND	0.10	mg/L	8/15/97 NK
360.1 Dissolved Oxygen, Membrane Electrode				
Dissolved Oxygen	7.8		mg/L	8/19/97 HK
8020A BTEX + MTBE				
Benzene	ND	0.5	ug/L	8/12/97 QD
Ethyl benzene	ND	0.5	ug/L	8/12/97 QD
Methyl t - butyl ether	ND	20	ug/L	8/12/97 QD
Toluene	ND	0.5	ug/L	8/12/97 QD
Xylene (total)	ND	1.5	ug/L	8/12/97 QD
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	1000	ug/L	8/13/97 DC
Gasoline	ND	500	ug/L	8/12/97 QD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34995 **Client Sample ID:** MW-2
Matrix: WATER
Date Sampled: 8/ 8/97

Analyte	Result	DLR	Units	Date/Analyst
2580B Redox Potential				
Redox Potential @Temp	331		mv	8/15/97 JA
300.0 Nitrate as NO3 by Ion Chromatography				
Nitrate (as NO3)	0	1.0	mg/L	8/20/97 SR
Sulfate	43	1.0	mg/L	8/20/97 SR
310.1 Alkalinity				
Alkalinity as Calcium Carbonate	298	5.0	mg/L	8/20/97 SR
3500FED Ferrous Iron (Fe+2)				
Ferrous Iron	0.50	0.10	mg/L	8/15/97 NK
360.1 Dissolved Oxygen, Membrane Electrode				
Dissolved Oxygen	7.9		mg/L	8/19/97 HK
8020A BTEX + MTBE				
Benzene	108	0.5	ug/L	8/12/97 QD
Ethyl benzene	33	0.5	ug/L	8/12/97 QD
Methyl t - butyl ether	925	20	ug/L	8/12/97 QD
Toluene	36	0.5	ug/L	8/12/97 QD
Xylene (total)	144	1.5	ug/L	8/12/97 QD
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	1000	ug/L	8/13/97 DC
Gasoline	5,350	500	mg/L	8/12/97 QD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34996 **Client Sample ID:** MW-3
Matrix: WATER
Date Sampled: 8/ 8/97

Analyte	Result	DLR	Units	Date/Analyst
2580B Redox Potential				
Redox Potential @Temp	330		mv	8/15/97 JA
300.0 Nitrate as NO3 by Ion Chromatography				
Nitrate (as NO3)	0	10	mg/L	8/20/97 SR
Sulfate	56	10	mg/L	8/20/97 SR
310.1 Alkalinity				
Alkalinity as Calcium Carbonate	368	5.0	mg/L	8/20/97 SR
3500FED Ferrous Iron (Fe+2)				
Ferrous Iron	ND	0.10	mg/L	8/15/97 NK
360.1 Dissolved Oxygen, Membrane Electrode				
Dissolved Oxygen	6.3		mg/L	8/19/97 HK
8020A BTEX + MTBE				
Benzene	450	0.5	ug/L	8/12/97 QD
Ethyl benzene	53	0.5	ug/L	8/12/97 QD
Methyl t - butyl ether	1,080	20	ug/L	8/12/97 QD
Toluene	30	0.5	ug/L	8/12/97 QD
Xylene (total)	106	1.5	ug/L	8/12/97 QD
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	1000	ug/L	8/13/97 DC
Gasoline	8,500	500	ug/L	8/12/97 QD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 34997 **Client Sample ID:** MW-1
Matrix: WATER
Date Sampled: 8/ 8/97

Analyte	Result	DLR	Units	Date/Analyst
2580B Redox Potential				
Redox Potential @Temp	311		mv	8/15/97 JA
300.0 Nitrate as NO3 by Ion Chromatography				
Nitrate (as NO3)	7.1	1.0	mg/L	8/20/97 SR
Sulfate	92	1.0	mg/L	8/20/97 SR
310.1 Alkalinity				
Alkalinity as Calcium Carbonate	238	5.0	mg/L	8/20/97 SR
3500FED Ferrous Iron (Fe+2)				
Ferrous Iron	0.10	0.10	mg/L	8/15/97 NK
360.1 Dissolved Oxygen, Membrane Electrode				
Dissolved Oxygen	8.2		mg/L	8/19/97 HK
8020A BTEX + MTBE				
Benzene	110	0.5	ug/L	8/12/97 QD
Ethyl benzene	15	0.5	ug/L	8/12/97 QD
Methyl t - butyl ether	43	20	ug/L	8/12/97 QD
Toluene	16	0.5	ug/L	8/12/97 QD
Xylene (total)	112	1.5	ug/L	8/12/97 QD
8015 - Total Petroleum Hydrocarbons				
Diesel	ND	1000	ug/L	8/13/97 DC
Gasoline	1,140	500	ug/L	8/12/97 QD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

B866

CHAIN-OF-CUSTODY RECORD

Client: AEC	Date: 8/7/97		LAB Project #
Project Name: Prestige - Vogue Tyres	Client Project#		Page 1 of 3
Project Address: 240 W. MacArthur	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled (Yes) No; Sealed (Yes) No
Oakland, CA			
Sampler's Signature: Jonathan Boyd			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: TPH-g, d, BTEX/MTBE	Number of Containers	Container / Comments
BH-7@4'		8/7/97			S		1	Hold
BH-7@8'					S		1	Hold
BH-7@12'					S	/	1	
BH-7@16'					S	/	1	
BH-8@4'					S		1	Hold
BH-8@8'					S	/	1	
BH-8@12'					S	/	1	
BH-8@16'					S	/	1	
BH-9@4'					S		1	Hold
BH-9@8'		8/7/97			S	/	1	

❶ Relinquished by: (Signature) Jonathan Boyd	Date	❷ Received by: (Signature)	Date 8-11-97	10 Total Number of Containers
Company: AEC	Time	Company: Associated Labs	Time 1236	
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature)	Date 8-11-97	
Company:	Time	Company: ASSC. Labs	Time 1600	

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BAKERSFIELD, CA 93313

13066

CHAIN-OF-CUSTODY RECORD

Client: AEC	Date: 8/7/97
Project Name: Prestige-Vogue Tyres	Client Project#:
Project Address: 240 W. MacArthur, Oakland, CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☐ Mobile Lab
Sampler's Signature: Jonathan Bruce	

LAB Project #:

Page 2 of 3

Lab Use Only. Sample Condition as received: Chilled (Yes) / No; Sealed Yes / (No)

Analysis Requested: TPH-g, & BTEX/MTBE

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	TPH-g, & BTEX/MTBE							Number of Containers	Container / Comments
Bot-9 @12'		8/7/97			S	✓							1	
Bot-9 @16'					S	✓							1	
MW-1@10'					S	✓							1	
MW-1@17'					S	✓							1	
MW-2@5'					S								1	Hold —
MW-2@10'					S	✓							1	
MW-2@17'					S	✓							1	
MW-3@5'					S								1	Hold —
MW-3@10'					S	✓							1	
MW-3@15' ~~MW-3@17'~~	RUN AS SAMPLE MARKED "MW-3@15'" PER DEBBIE @ AEC	8/7/97			S	✓							1	

❶ Relinquished by: (Signature) Jonathan Bruce	Date	❷ Received by: (Signature) [illegible]	Date 8-11-97	10	Total Number of Containers
Company: AEC	Time	Company: Associated Labs	Time 1236		
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature) [illegible]	Date 8-11-97		
Company:	Time	Company: Assc. Labs	Time 1600		

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CHAIN-OF-CUSTODY RECORD

Client: AEC	Date: 8/7/97		LAB Project #
Project Name: Prestige - Vogue Tyres	Client Project#		Page 3 of 3
Project Address: 240 W MACARTHUR OAKland, CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled Yes / No; Sealed Yes / No
Sampler's Signature: Jonathan Buck			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: TPH-g/BTXE/MTBE	Number of Containers	Container / Comments
MW-4S		8/7/97			S		1	HCl
MW-4@3'					S	/	1	
MW-4@7'					S	/	1	
MW-4		8/8/97			A	/	3	
MW-2					A	/	3	
MW-3					A	/	3	
MW-1					A	/	3	
Trailer Blank					A		2	HCl

❶ Relinquished by: (Signature) Jonathan Buck	Date	❷ Received by: (Signature)	Date 8-11-97	17	Total Number of Containers
Company: AEC	Time	Company: Associated labs	Time 12:36		
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature)	Date 8-11-97		
Company:	Time	Company: Assc. Labs.	Time 1600		

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