#### ALAMEDA COUNTY

## **HEALTH CARE SERVICES**

**AGENCY** 



DAVID J. KEARS, Agency Director

February 18, 1997

STID 3393

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

## REMEDIAL ACTION COMPLETION CERTIFICATION

Texaco Refining & Marketing 10 Universal City Plaza, 13th Floor Universal City, CA 91608 Attn: Bob Robles

John Benetti et al 44 Mission Drive Pleasanton, CA 94566

RE: SPEEDEE OIL AND LUBE, 44 MISSION DRIVE, PLEASANTON

Dear Messrs. Robles and Benetti:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Mee Ling Tung

Director, Environmental Health Services

enclosure

C: Gordon Coleman, Acting Chief, Env. Protection Division Kevin Graves, RWQCB Lori Casias, SWRCB (w/enclosure) Bill Halvorsen, Pleasanton Fire Department (w/enclosure) Dean Hammer, 2270 River Bed Ct., Santa Clara, CA 95054 Ron Zielinski, Texaco, 108 Cutting Blvd., Richmond, CA 94804 SOS/files

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

01-2075

Date: 01/02/97

#### AGENCY INFORMATION I.

Address: 1131 Harbor Bay Pkwy #250 Agency name: Alameda County-EPD City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700

Responsible staff person: Scott Seery Title: Sr. Haz. Materials Spec.

#### II. CASE INFORMATION

Site facility name: Speedee Oil and Lube

Site facility address: 44 Mission Drive, Pleasanton 94566

RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3393

URF filing date: 01/02/97 SWEEPS No: N/A

#### Phone Numbers: Responsible Parties: Addresses:

Texaco Refining and 10 Univ. City Plza, 13th Flr Universal City, CA 91608 Marketing, Inc.

Attn: Bob Robles

Anna Tuccori and 44 Mission Drive John & Eleanor Benetti Pleasanton, CA 94566

Tank	<u>Size in</u>	Contents:	<u>Closed in-place</u>	Date:
No:	<pre>gal.:</pre>		<u>or removed?:</u>	
ī	UNK	gasoline	removed	1979 (?)
2	UNK	T II	π	II
3	UNK	Ħ	11	II
4	UNK	waste oil	II.	11

#### RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? Number: NA NO

Proper screened interval? NA

Highest GW depth below ground surface: UNK (encountered @ ~ 8.5' BG)

Flow direction: UNK

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: Bernal Subbasin

Is surface water affected? NO Nearest affected SW name:

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#### Leaking Underground Fuel Storage Tank Program

#### III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Off-site beneficial use impacts (addresses/locations): NONE

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

Treatment and Disposal of Affected Material:

Material	Amount	Action (Treatment	Date
<del></del>	(include units)	of Disposal w/destination)	<del></del>
Tank	4 USTs	UNK (presumed "disposal")	1979 (?)
Piping	UNK	-	
Free Product	NA		
Soil	~ 560 yds³	<u> Treatment/Disposal</u> -	08/06/90
		Durham Rd. L.F., Fremont	
Groundwater	UNK (See text)		
Barrels	NA.		

## Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (	ppm) <sup>1</sup>	Water (ppb) <sup>2</sup>				
	<u>Before</u>	<u>After</u>	Before	After			
TPH (Gas)	6100	64	1700	NA			
TPH (Diesel)	NA	NA	NA	ŀτ			
Benzene	Ħ	ND	24	11			
Toluene	11	n	0.6	11			
Xylene	ŧī	0.34	0.3	11			
Ethylbenzene	τι	0.1	95	u			
Oil & Grease	ND	NA	NA	Ħ			
Heavy metals	AN	11	ŧ	11			
Other HVOC	ND	n	II.	IT			

#### Note:

- 1) "Before" soil results from GTI's 1987 and preliminary 1990 investigations.
  Only results for oil & grease and HVOC from 1987 study. "After" soil results from post excavation sampling occurring in 1990.
- "Before" water results from "grab" sample collected from soil core S4 emplaced into former UST pit <u>before</u> overexcavation was performed.

#### Comments (Depth of Remediation, etc.):

It has been reported that 3 fuel and one waste oil USTs were removed from the site sometime in 1979 or 1980. Reports documenting the results of this project have not been made available.

A *limited* environmental assessment was performed at the site during August 1987. Six (6) borings were advanced about (but not through) the former UST pits and dispenser islands. Borings were advanced to approximately 20 - 25' BG. Encountered sediments were described as sequences of clay,

#### Page 3 of 4

#### Leaking Underground Fuel Storage Tank Program

gravelly clay, and clayey gravel. Water was initially encountered at depths ranging from 10 - 13' BG.

No detectable hydrocarbons or HVOC were identified in any of the soil samples submitted for laboratory analysis, nor was subjective evidence of hydrocarbons noted during boring advancement. Water samples were not collected.

A geotechnical investigation was performed during February 1990 in preparation for development of the site to its current use. "Strong" hydrocarbon odors were encountered at the 11.5' depth in boring EB-1, advanced through the former fuel UST excavation. Drilling was terminated at that depth at the request of the drillers.

A follow-up environmental investigation was performed during June 1990. Seven (7) soil "cores" were drilled at locations both within and without the former fuel UST area. This coring project was performed to identify the extent of impact and guide a subsequent excavation project. Both soil and, from 3 of the coreholes, water were collected for analysis.

Initial soil samples were analyzed for TPH-G, only, by a mobile laboratory mobilized on-site. Initial results showed only <u>one</u> remarkable result: 6100 ppm TPH-G from coring S-1, located within the fuel UST pit and collected from the 11' depth. All other sample results from all other borings were either unremarkable or below laboratory detection limits.

Up to 1700 ug/l TPH-G and 24 ug/l benzene, among others detected, were identified in water collected through coring S-4, emplaced within the fuel UST excavation.

During July 1990, approximately 560 yds<sup>3</sup> of sand and gravel from the former fuel UST pit and native clayey materials were re-excavated. Soil samples (15) were collected and analyzed by the on-site laboratory as the excavation work proceeded. Eventually, 12 samples were collected from the resultant pit bottom and sidewalls as confirmation once the excavation work was completed. Up to 64 ppm TPH-G and minor EX concentrations were identified in these final samples. Benzene was not detected.

Water was encountered in the granular backfill during excavation activities at a depth of 12' BG. It is reported that a vacuum truck was used to remove (an unknown volume) of water from the excavation and dispose of it at a "licensed facility."

The resultant excavation measured  $40 \times 30 \times 12'$  deep. The pit was reportedly backfilled with clean import materials and engineered to accommodate the (then) pending site development.

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#### Leaking Underground Fuel Storage Tank Program

#### IV. CLOSURE

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

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

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

Title:

Title:

Date:

Title:

Date:

Date:

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommisioned:

Number Decommisioned: NANumber Retained: NA

List enforcement actions taken:

List enforcement actions rescinded: NONE

LOCAL AGENCY REPRESENTATIVE DATA V.

Name: Scott Seery

Signature:

Reviewed by

Name: Tom Re

Signature:

Hmy Name:

Signature:

VI.

Date Submitted to RB:

RWQCB Staff Name: Kevin

ADDITIONAL COMMENTS.

RB Response:

Title: San.

Haz Mat Specialist

Sr. Haz Mat Specialist

Supervising Haz Mat Specialist

No further assessment or clean-up work are warranted for the following reasons:

0 USTs were removed at least 16 years ago

Contamination was isolated to one limited area within the fuel UST pit 0

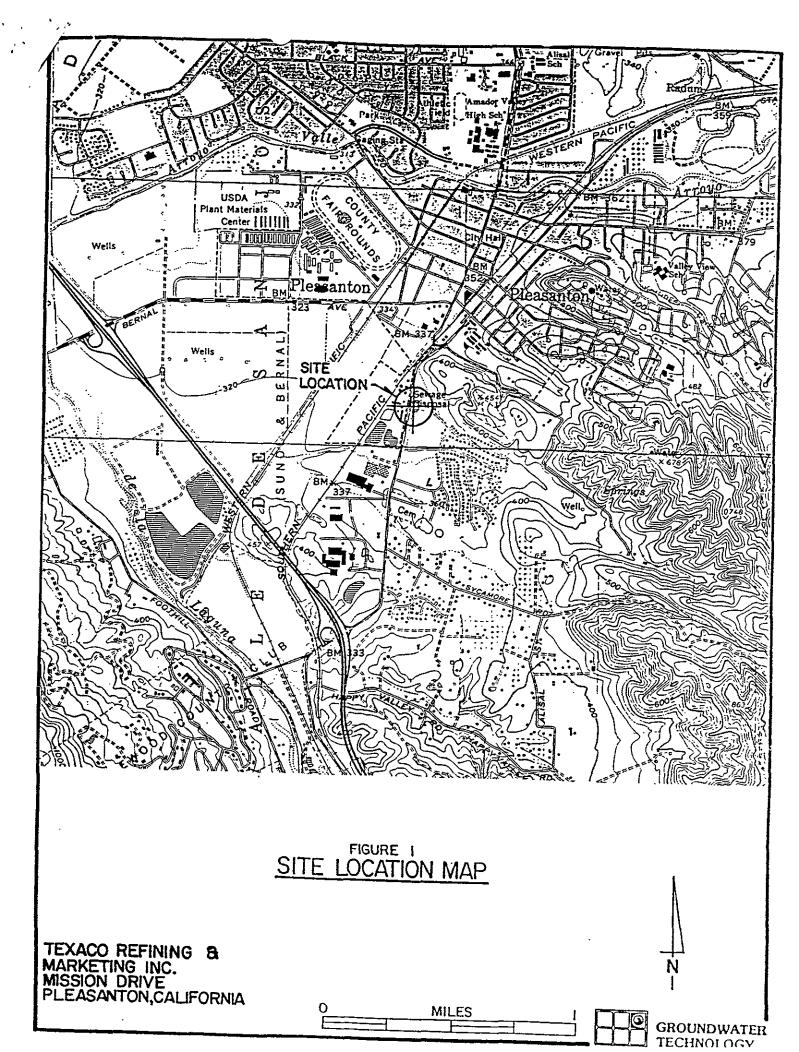
0 Native materials surrounding former fuel UST pit are fined-grained

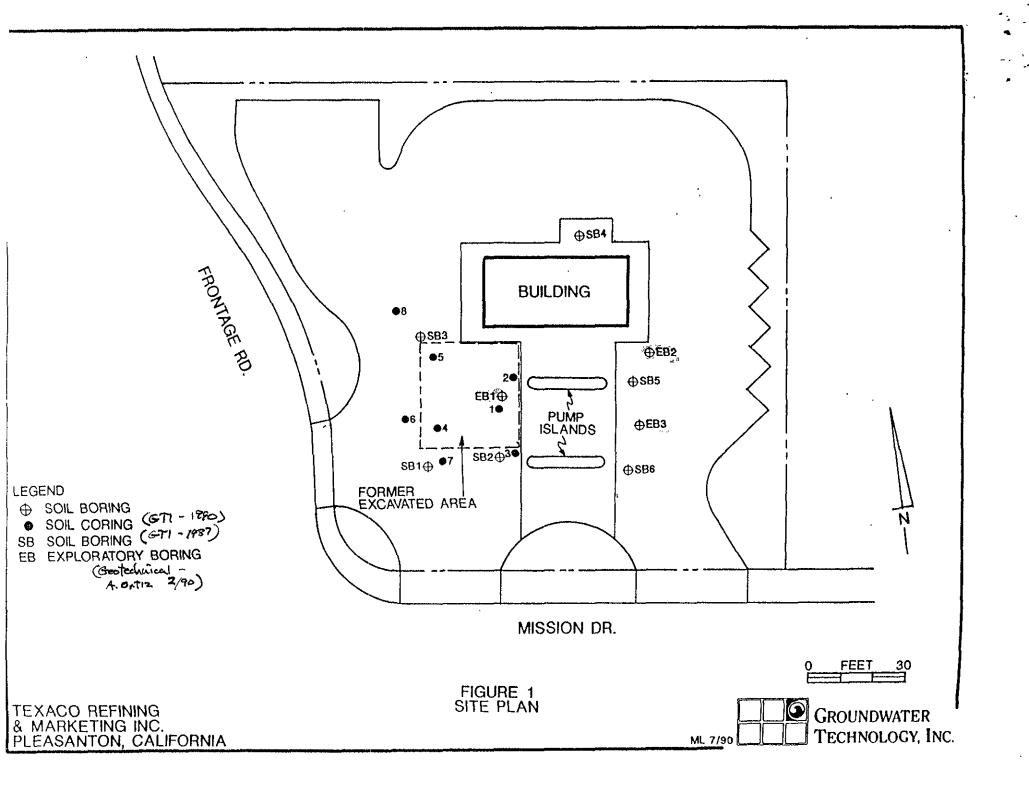
Contaminated soil and groundwater were removed from the site in 1990 0

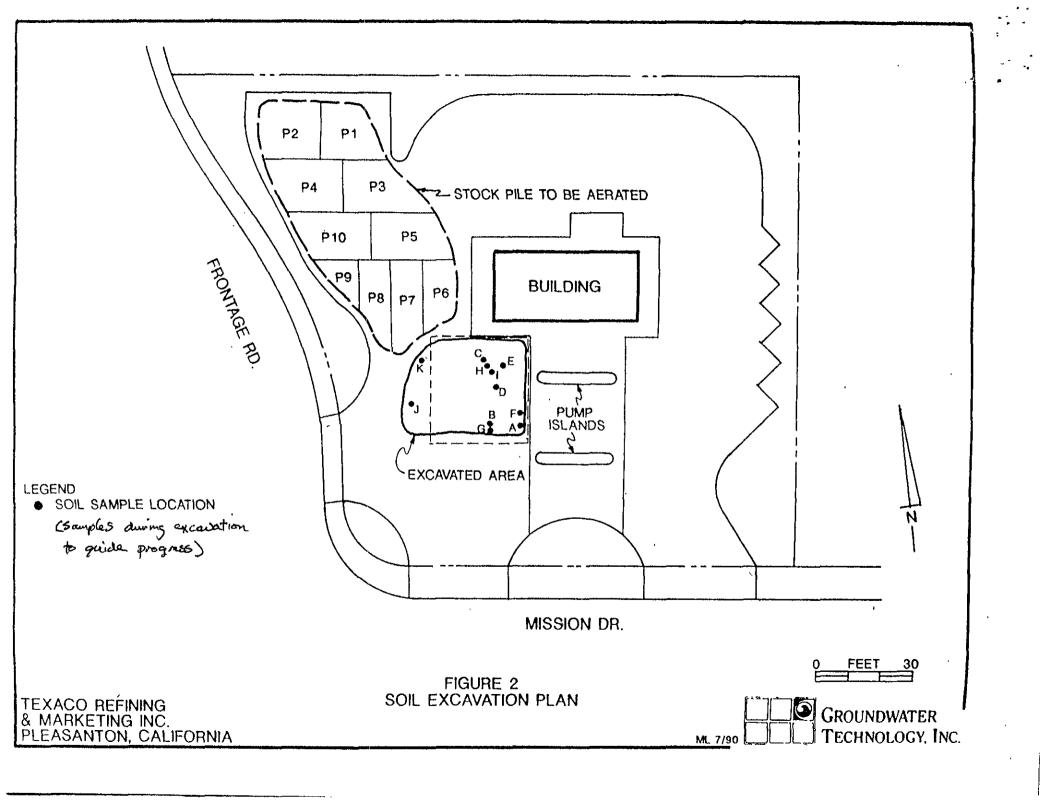
Current development (oil change facility) is open to outside air during business hours; the service "pit" area is sealed to prevent both water influx and the escape of spilled hazardous materials

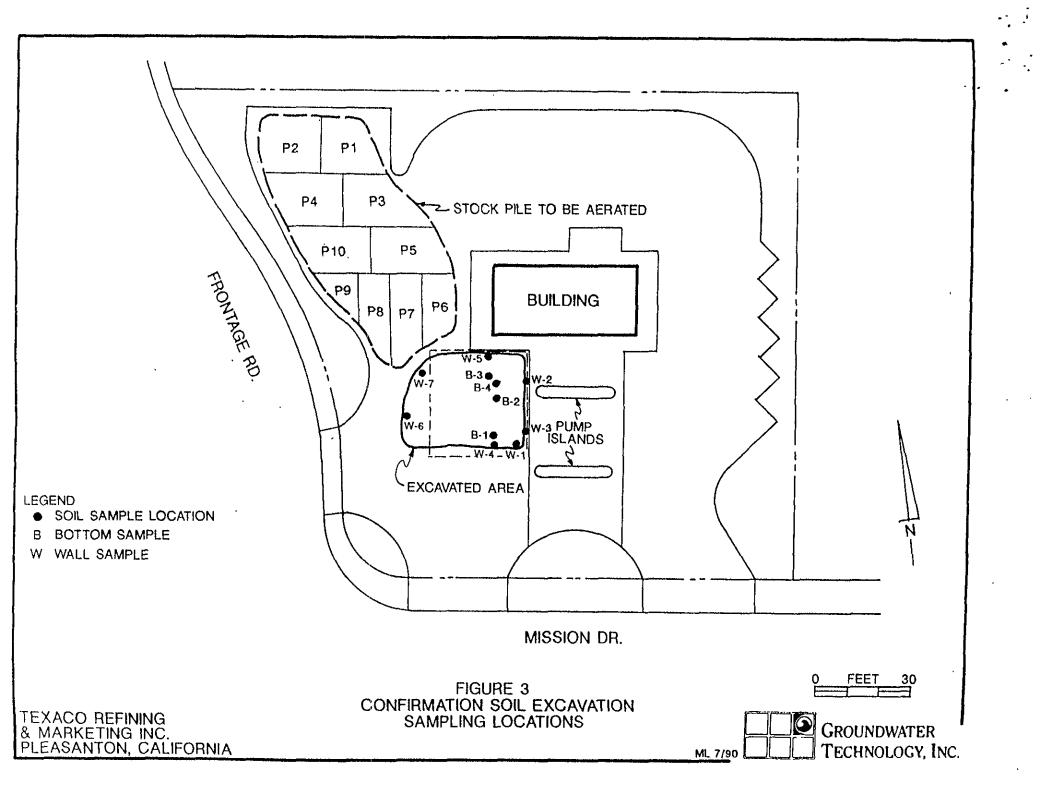
SOIL EXCAVATION/AERATION REPORT
FORMER TEXACO SERVICE STATION
44 MISSION DRIVE
PLEASANTON, CALIFORNIA
NOVEMBER 30, 1990

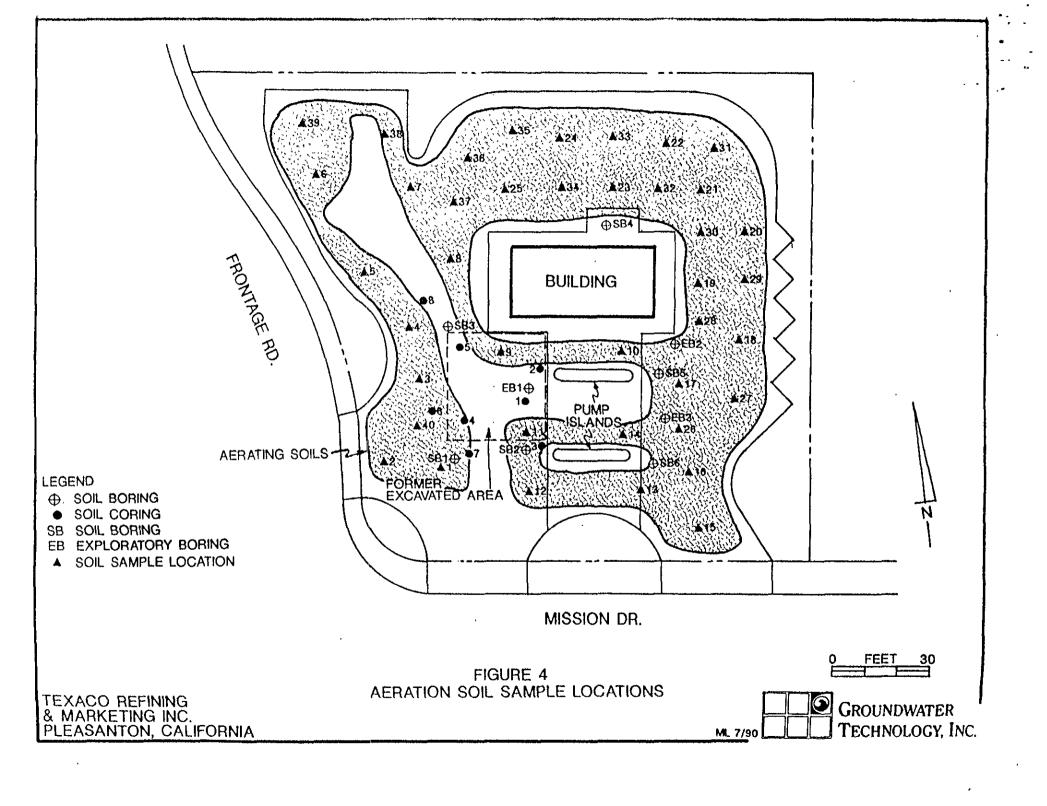
GROUNDWATER TECHNOLOGY, INC. CONCORD, CALIFORNIA











Texaco/Mission November 1990

12

TABLE 1
TPH-AS-GASOLINE CONCENTRATIONS
CORE SAMPLING ANALYSES
(in parts per million)

SAMPLE ID	DEPTH (ft)	TPH-AS-GASOLINE
S-1	5	< MDI
<b>5</b> 1	7	<mdl 130</mdl 
	9	330
	11	6,100
	**	0,100
S-2	5	<mdl< td=""></mdl<>
	7	<mdl< td=""></mdl<>
	8.5	<mdl< td=""></mdl<>
	10	<mdl< td=""></mdl<>
		<u>-</u>
S-3	2.5	<mdl< td=""></mdl<>
	5	<mdl< td=""></mdl<>
	7	<mdl< td=""></mdl<>
	8.5	<mdl< td=""></mdl<>
	11	<mdl< td=""></mdl<>
		<u>.</u>
S-4	5	<mdl< td=""></mdl<>
	7	<mdl< td=""></mdl<>
	8.5	<mdl< td=""></mdl<>
	10.5	<mdl< td=""></mdl<>
S-5	7	<mdl< td=""></mdl<>
	8	<mdl< td=""></mdl<>
	8.5	15
	10.5	<mdl< td=""></mdl<>
S-6	2.5	AID.
3-0		<mdl< td=""></mdl<>
	5	<mdl< td=""></mdl<>
	7.5	<mdl< td=""></mdl<>
	9.5	<mdl< td=""></mdl<>
S-7	5	<mdl< td=""></mdl<>
	7.5	<mdl< td=""></mdl<>
	9	<mdl< td=""></mdl<>
	<b>,</b>	711010
S-8	4.5	<mdl< td=""></mdl<>
	6.5	<mdl< td=""></mdl<>
	8.5	<mdl< td=""></mdl<>
	10.5	<mdl< td=""></mdl<>

TPH = Total Petroleum Hydrocarbons

S = Soil Core

MDL = Method Detection Limit



TABLE 2 TPH-AS-GASOLINE CONCENTRATIONS

## EXCAVATION SAMPLING ANALYSES (in parts per million)

		/
LOCATION SAMPLE	DEPTH (ft)	TPH-AS-GASOLINE
A-1 A-2 A-3 B-4 B-5 B-6 C-7 D-8 E-9 F-10 G-11 H-12 I-13 J-14 K-15 2K-15	4 8 11 5 10 12 5 11 9 11 11 12 12 12 12	<mdl 100="" 130="" 26="" 270="" 40="" 870="" <mdl="" <mdl<="" td=""></mdl>

TPH = Total Petroleum Hydrocarbons
MDL = Method Detection Limits



TABLE 3 TPH-AS-GASOLINE CONCENTRATIONS CONFIRMATION EXCAVATION SAMPLING ANALYSES

(in parts per million [ppm])

SAMPLE ID	B-1	B-3	B-4	B-5	W-1	W-2	W-3	W-4	W-5	<b>W-</b> 6	₩-7
DEPTH (ft)	12	12	12	12	12	12	12	12	12	12	12
CONSTITUENTS											
Benzene	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
Toluene	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
Ethylbenzene	<mdl< td=""><td>0.01</td><td><mdl< td=""><td><mdl< td=""><td>0.1</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	0.01	<mdl< td=""><td><mdl< td=""><td>0.1</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>0.1</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	0.1	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>0.04</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	0.04	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
Xylenes	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.34</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>0.34</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>0.34</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>0.34</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	0.34	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>
TPH-as- Gasoline	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>64</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>64</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>64</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>64</td><td><mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	64	<mdl< td=""><td><mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td><mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<></td></mdl<>	<mdl< td=""><td>6</td><td><mdl< td=""><td><mdl< td=""></mdl<></td></mdl<></td></mdl<>	6	<mdl< td=""><td><mdl< td=""></mdl<></td></mdl<>	<mdl< td=""></mdl<>

TPH = Total Petroleum Hydrocarbons MDL = Method Detection Limits

WATER SAMPLES COLLECTED

Client: Teena Ramage Groundwater

Project Number: 203-199-4315
Location: 44 Mission Dr.
Pleasanton, CA
Report Issue Date: September 19, 1990

# Table 1 **ANALYTICAL RESULTS**

# Purgeable Aromatics and Total Petroleum Hydrocarbons as Gasoline in Water EPA Method 8020/80151

	Client Identification	\$3	\$8	\$4	
	Date Analyzed	06/27/90	06/27/90	06/27/90	
Analyte	Detection Limit, ug/L		Concentration	on, ug/L	
Benzene	0.3	0.6	4	24	
Toluene	0.3	< 0.3	< 0.3	0.6	<del></del>
Ethylbenzene	0.3	3	0.7	95	
Xylene (total)	0.6	< 0.6	< 0.6	3	
TPH as Gasoline	50	66	180	1700	

1 = Extraction by EPA Method 5030

EMMA P. POPEK, LABORATORY DIRECTOR



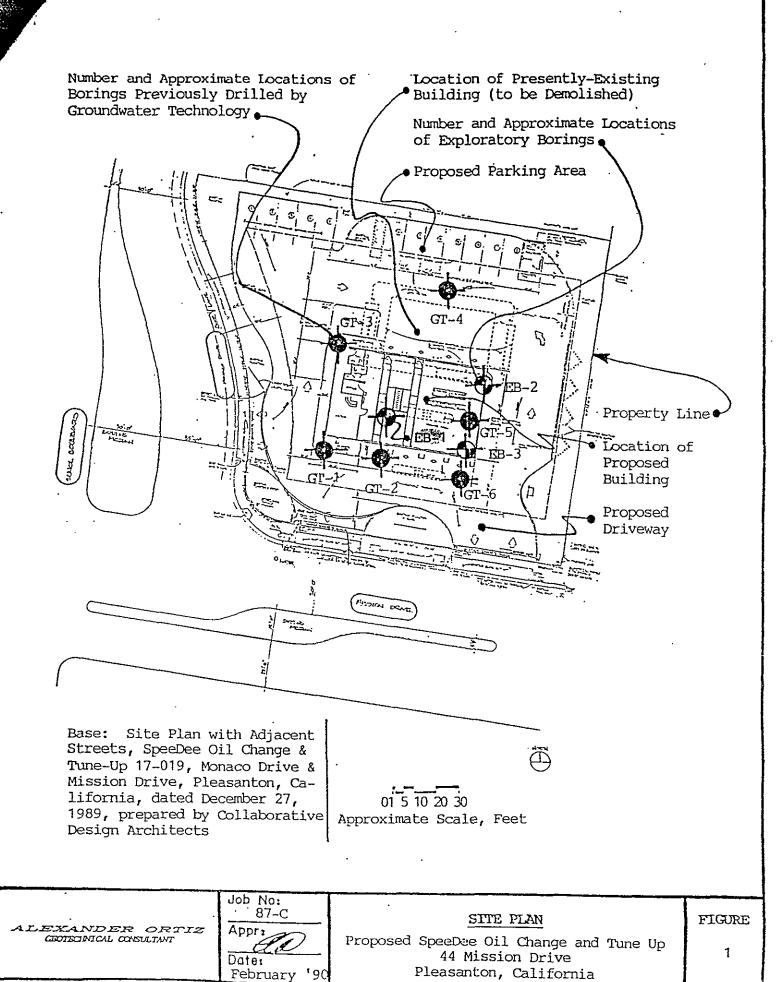
## GEOTECHNICAL INVESTIGATION

PROPOSED SPEEDEE OIL CHANGE AND TUNE UP
44 MISSION DRIVE
PLEASANTON, CALIFORNIA

Prepared for

Mr. Carl Nelson Santa Clara, California





DRILL RIG Continuous-Flight Auger	SURFACE	ELEVATION	See	LOGG	ED BY	AO		
DEPTH TO GROUNDWATER See Note 2	воліна ві	иметея б	Inch	es	DATE	DRILLE	02/1	3/90
DESCRIPTION AND CLASSIFI	CATION			DEPTH	E LE	<u> </u>	/ <u>}</u>	Ē
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE	(FEET)	SAMPLER PENETRATION RESISTANCE	WATER CONTENT	DAY DENSIT (PCF)	SHEAR STRENGT
2" Asphalt over 3" Aggregate Base SANDY FINE GRAVEL, moist	Gray- Brown	Loose	GP		14			
GRAVELLY, SANDY, SILTY CLAY, moist, (silty clay/sandy fine gravel mix), with strong gasoline odor  (Fill)	Blue- Gray	Stiff	요 유	5	14 24' 9"	$\nabla$	} !	0.69 6.1% (UC) lote 2

Bottom of Boring =  $11\frac{1}{2}$  Feet

## NOTES

- 1. Topographic data was not available at the time of the field work.
- 2. Groundwater was measured at a depth of 8-1/2 feet at the time of drilling (see text of report for discussion of groundwater).
- 3. Stratification lines represent the approximate boundaries between material types; actual transitions are gradual.
- 4. See text of this appendix for explanation of penetration resistance values marked with an asterisk (\*).

Job No:
87-C
Appr:
Date:

February '90

EXPLORATORY BORING LOG

BORING NO.

Proposed SpeeDee Oil Change and Tune Up 44:Mission Drive Pleasanton, California

ORILL RIG Continuous-Flight Auger	SURFACE	ELEVATION	See	Note 1	LOGGE	D BY	AO.	
DEPTH TO GROUNDWATER See Note 2	BORING D	BORING DIAMETER 6 Inches			DATE DRILLED 02/13/90			3/90
DESCRIPTION AND CLASSIFIC	CATION			DEPTH	N S S S S S S S S S S S S S S S S S S S	Ē		<del>                                     </del>
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL	(FEET)	PENETRATION RESISTANCE (BLOWS/FT.)	WATER	DAY DENSITY (PCF)	SHEAR STRENGTH (KSF)
2" Asphalt over 3" Aggregate Base		<del></del>			1568	8		1 50
GRAVELLY, SANDY, SILTY CLAY, moist	Broun	Stiff	CH		20*	13	122	2.6
GRAVELLY, SANDY, SILTY CLAY, moist	Gray	Stiff	aı					2.61 7.79 (UC)
GRAVELLY, SANDY, SILTY CLAY, noist (Fill)	Brown	Stiff	दा	- 5 <del> </del>	27* 9"	13	122	0.99 8.38 (UC)
SILTY CLAY	Dark Gray	Firm to Stiff	CH	10	12*	∇ 26	See 1 99	ote 2 2.26 10.0% (UC)
ssorted gravels	Gray- Brown Grading	Stiff	CL- SC	15 -	10*	16	118	0.52 10.0% (UC)
R	eddish brown	and the second s	sc -	- 20	27	14		

Bottom of Boring = 23 Feet

#### <u>NOTES</u>

- Topographic data was not available at the time of the field work.
- Groundwater was measured at a depth of 8 feet at the time of drilling (see text of report for discussion of groundwater).
- Stratification lines represent the approximate boundaries between material types; actual transitions are gradual.
- 4. See text of this appendix for explanation of penetration resistance values

	Job No:		
ALEXANDER ORTIZ	87-C	EXPLORATORY BORING LOG	BORING
CHOTECINICAL CONSULTANT		Proposed SpeeDee Oil Change and Tune Up  44 Mission Drive	NO.
	Date: February '90	Pleasanton, California	2

DRILL RIG Continuous-Flight Auger			C						
· · · · · · · · · · · · · · · · · · ·	SURFACE	SURFACE ELEVATION See Note 1					D BY	AO	
DEPTH TO GROUNDWATER See Note 2	BORING D	AMETER 6	Inch	es		DATE D	HILLED	02/1	3/90
DESCRIPTION AND CLASSIFI	CATION		-	DEPTH	E3	\$ 5 E	1 X	<b>}</b>	<u>۽ ج</u>
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL	(FEET)	SAHMER	PENETRATION RESISTANCE (BLOWS/FT)	WATER CONTENT (	DRY DENSITY (PCF)	SHEAM STRENGT [KSF]
2" Asphalt over 3" Aggregate Base						-		 	
GRAVELLY, SANDY, SILTY CLAY, moist	Reddish Brown	Stiff	CL	 	X	24*	11	126	1.91
SILTY CLAY, moist	Dark	Firm	CII	5 _					(UC
	Gray	to Stiff		- - -	X	9*	27 \(  \)	98	1.90 10.09 (UC)
				10				See N	lote 2
	Gray- · Brown Grading to Brown	Stiff	CL- SC	- 15 _				;	

Bottom of Boring = 17 Feet

## <u>NOTES</u>

- Topographic data was not available at the time of the field work. 1.
- Groundwater was measured at a depth of 9 feet at the time of drilling (see text 2. of report for discussion of groundwater).
- Stratification lines represent the approximate boundaries between material types; actual transitions are gradual.
- See text of this appendix for explanation of penetration resistance values

AND REAL PROPERTY AND PERSONS ASSESSMENT OF THE PERSON ASSESSMENT OF TH			
ALEXANDER ORTIZ	Job No: 87-C Appr:	EXPLORATORY BORING LOG  Proposed SpeeDee Oil Change and Tune Up  44 Mission Drive	BORING NO.
	Date: February '90	Pleasanton, California	3



#### CONTAMINATION ASSESSMENT REPORT

TEXACO SERVICE STATION

44 MISSION DRIVE

PLEASANTON, CALIFORNIA

SEPTEMBER 24, 1987

#### Prepared for:

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Jan Prasil

Project Geologist

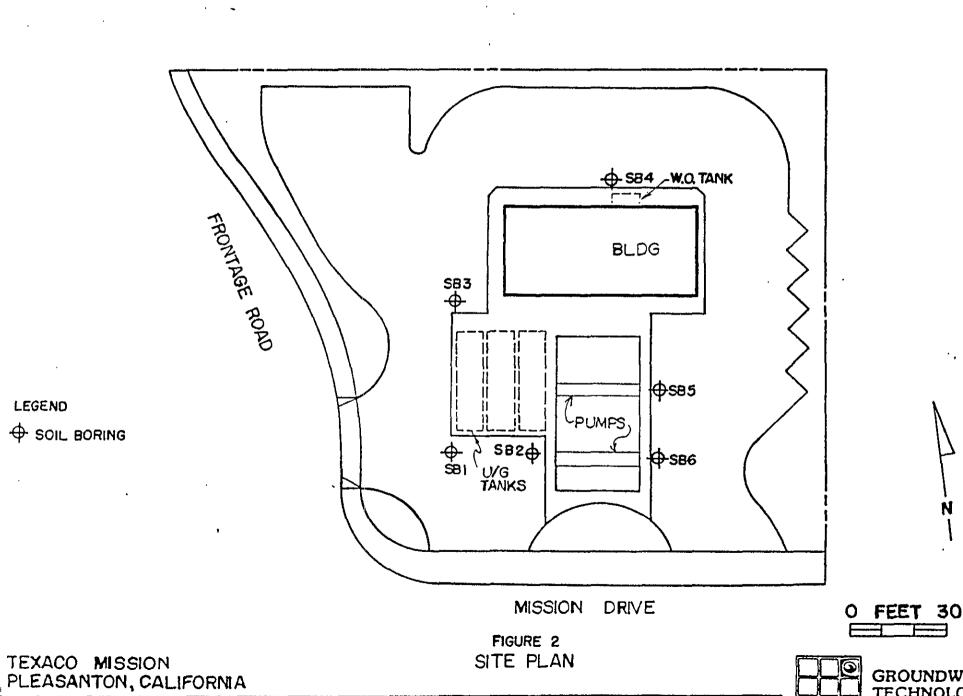
Amy Sager Patton Hydrogeologist

Lynn E. Pera

Registered Civil Engineer

No. 33431

R203 150 4315



LEGEND

GROUNDWATER TECHNOLOGY

D	rill	ina	Loc
_			

			~ ~	ooii Boringi	Drining Lo
Project <u>Texa</u>	aco Missio	<u>n</u>		Texaco Refin. & Marketing	Sketch Map
Location Plea	isanton, C	<u>A</u>	_ Project	Number 203 150 4315	4
Date Drilled	<u>3/31/87</u>	. Total Depth	of Hale	25 ft. Diameter 7.5 in.	
Surface Elevatio	n	. Water Leve	I, Initial $oldsymbol{\mathbb{L}}$	0.2 ft. 24-hrs	
Screen: Dia		. Lergth		Slot Size	
Casing: Dia		Length		Туре	
				Method Hollow Stem Auger	Notes
Order _ Chri	s Pruner		Log by	Jan Prasil	
Depth (Feet) Well Construction	Quddj	Sample Number	Graphic Log	Description/So	il Classification
	0	A 559	C.	2 inch Asphalt over 3 inc Reddish brown, fine grave moist, no product of (grades light brown)	elly clay (medium stiff, dor)
- 8 - - 10- - 12-	0	B 223	CH	Dark gray plastic clay (so odor)  Encountered water 8/31	
-1 4- -1 6- -1 6-	0	C 224		Light brown fine gravelly product odor)  (grades more gravell	-
-1 8- -2 0- -2 2-	0	4000	G G G G G G G G G G G G G G G G G G G	Brown clayey fine gravel product odor) . (grades more clayey)	
-2 4_	O	6900		Brown fine gravelly clay odor) End of boring, backfilled	(stiff, wet, no product with concrete



<u></u>		L HECOVERT S	1215W2	9	Soil Boring _2_	Drilling Log
Project <u>Texaco Mission</u>			1			Sketch Map
Location	Pleas	onton, CA	<u> </u>	_ Project	Number 203 150 4315	
Date Onlie	a <u>8/</u>	31/87	Total Depti	h of Hale	20 ft. Diameter 7.5 in.	
Surface Ele	evation		Water Leve	el, Initial _	12 ft. 24-hrs	
Screen: Dia	·		Length		Slot Size	
Casing: Dia	L		Length		Туре	
Brilling Con	npany	Kvilhaug	Ço	_ Drilling :	Method Hollow Stem Auger	Notes
Oriller	<u>Chris</u>	Pruner		_ Log by	Jan Prasil	
Depth (Feet)	Well	PID (mdd)	Sample Number	Graphic Log	. Description/So	oil Classification
- 0 - - 2 - - 4 - - 6 -		0	A 12[	CH	no product odor)	ch base course  clay (medium stiff, moist,  .  .  . moist, no product odor)
- 8 - - 8 - - 1 0- - 1 2-		0	B 33 (		(grades medium stif	
-1 4- -1 4- -1 6- -1 6-		0	C 58%	CL	Encountered water 8/31  Light brown fine gravelly product odor)  (grades more gravell	clay (soft, wet, no
-1 8- -2 0- - 2 2-			D 450	GC.	Light brown, clayey fine product odor) End of boring, backfilled	1
24				 		

!!	OIL RECOVER	o systems	10.		
			S	Soil Boring 3 Drilling	Log
Project <u>Te</u>	<u> Xaco Missi</u>	<u>on</u>	Owner	Texaco Refin. & Marketing Sketch Map	•
Location <u>P1</u>	easanton,	<u>CA</u>	Project	Number 203 150 4315	į
Date Onited	8/31/8/	Total Depth (	of Hole	25_ftDiameter 7.5 in.	
Surface Eleva	tion	_ Water Level	initiai _	13.5 ft <sub>24-hrs</sub>	}
Screem Dia		Length		Slot Size	
Casing; Dia		Length		Туре	İ
Drilling Compa	iny <u>Kvilhau</u>	ig Co.	Orilling :	Method Hollow Stem Auger Notes	
DrillerCh	ris Pruner		og by	Jan Prasil	
Depth (Feel)	tion		1		=
Depth (Feel)	PD (Pred)	Sample Number	hic L	Description/Soil Classification	
Wei		S <sub>a</sub>	Graphic Log		
-0-				•	
			7777	2 inch Asphalt over 3 inch base course	
- 2 -			CLA	Light brown fine gravelly clay (medium criff	st
				no product odor)	
L4]		A 70			
	0	I I E		Gray plastic clay (stiff, moist, no product odor)	
- 6-					
			H		
- 8 -				(grades medium stiff)	
		B			
		4			
-10-					
-1 2-				·	
-1 4-		C 50	// <u>/</u> _	Encountered water 8/31/87 (1105 hours)	
	0	555		Arbur gray line gravelly clay (coff	
-16-				product odor)	
		c			
-18-					
		D 7-		(grades brown, more gravelly, less clayey,	
-20-	0	8 //		medium stiff)	
-2 2-				÷	
_2 4	0	10-1			
		13H//		End of boring, backfilled with concrete	
			<u> </u>	with concrete	i



	OIL RECOVERY	SYSTEMS	YC		<b>~</b>			
			S	Soil Boring <u>4</u>	Drilling Lo			
Project Tex	kaco Missio	<u>n</u>	Owner	Texaco Refin. & Marketing	Sketch Map			
Location Ple	Location Pleasanton, CA Project Number 203 150 4315							
Date Onlied	Date Drilled Total Depth of Hole 25 ft-Diameter 7.5 in.							
Surface Elevati	Surface Elevation Water Level Initial 10.5 in 24-hrs							
Screem Dia.		Length		Slot Size	·			
Casing: Oia.		Length		Type				
				Method Hollow Stem Auger	Notes			
Onler _Chri	s Pruner	l	og by	Jan Prasil				
Depth (Feet)	PD (mdd)	Sample Number	Graphic Log	Description/So	oil Classification			
	0	A 723	CL	2 inch Asphalt over 3 in Light brown gravelly cla- odor) (grades medium stif:	y (soft, dry, no product			
- 8 - - 10- 	0	B 475	CH	Gray plastic clay (soft,	moist, no product odor)			
-1 2-				Encountered water 9/21	/07 /1155 :			
	0	C 696		Encountered water 8/31  Brownish gray fine gravel wet, no product odor	ly clay (medium stiff			
-1 8- -1 8- -2 0- 	0	D 90 13 13 13 13 13 13 13 13 13 13 13 13 13		(grades brown, more	gravelly)			
-2 2-	0	962		End of boring, backfilled	with concrete			

Encountered water 8/31/87 (1300 hours) Light brown, clayey fine, gravel (medium dense, wet, ·1 2no product odor) В 14 0 16 (grades more clayey) 18 ·2 0-0 2 2 Light brown gravelly clay (stiff, wet, no 24 End of boring, backfilled with concrete

OIL RECOVERY SYSTEMS	Soil Boring _5_		Drilling Log
Project Texaco Mission	Owner Texaco Refin. & Marketing	Sketch Map	
Location Pleasonton, CA	_ Project Number 203 150 4315		
Date Oniled 8/31/87 Total Dept	n of Hole 25 ft. Diameter 7.5 in.		
Surface Elevation Water Lev	el, Initial 11.75 ft. 24-hrs.		
	Oleh Cien		•

Surface Elevation \_\_\_\_ Water Level, In Screen: Dia. \_\_\_\_\_ Length \_\_\_\_\_ Slot Size Casing: Dia \_\_\_\_\_ Length \_\_\_\_\_ Type Notes Drilling Company Kvilhaug Drilling Method Hollow Stem Auger

_	Her Chris Pruner Log by J. Prasil				
Depth (Feel)	Well Construction	(mdd)	Sample Number	Graphic Log	Description/Soil Classification
- 0 - - 2 - - 4 - - 6 -		0	A 688 15	CL	<pre>2 inch Asphalt over 3 inch base course Brown, gravelly clay (medium stif, moist, no proudct odor)         (grades stiff)</pre>
- 8 - - 10-		o	B 25 4 L	CH	Gray, plastic clay (soft, moist, no product odor)
-1 2- -		O	C 57		Encountered water 8/31/87 (1325 hours)  Brown, clayey, coarse gravel (medium dense, no product odor)  (grades clayey, less gravelly)
-1 8-  -2 0-  -2 2-		o	12 20 50	CL	Brown, gravelly clay (very stiff, wet, no product odor)
_2 4_		0	8 [ 9 15		End of boring, backfilled with concrete