



Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94804

August 17, 1994

ENV - STUDIES, SURVEYS, & REPORTS
3940 Castro Valley Boulevard
Castro Valley, CA

AUG 24 REC'D

Mr. Scott Seery
Alameda County Department of
Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Seery:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on June 23, 1994, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be north-northeast (see Plate 2, Groundwater Gradient Map). The gradient map has been reviewed by a registered professional. TPHg and benzene concentrations are shown on Plate 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively.

The certified analytical report, chain-of-custody, field data sheets, and bill of lading are in the Appendix. Blaine Tech Services' Field Procedures and Protocols Summary may be found in Texaco's first quarter, 1994 monitoring report.

If you have any questions or comments regarding this site, please call the Texaco Environmental Services' site Project Coordinator, Ms. Karel Detterman at (510) 236-3611.

Best Regards,

Rebecca B. Digerness
Groundwater Monitoring Coordinator

Karen E. Petryna
Engineer
Texaco Environmental Services

RBD:hs

C:\QMR\3940CVB\QMR.LET

Enclosures

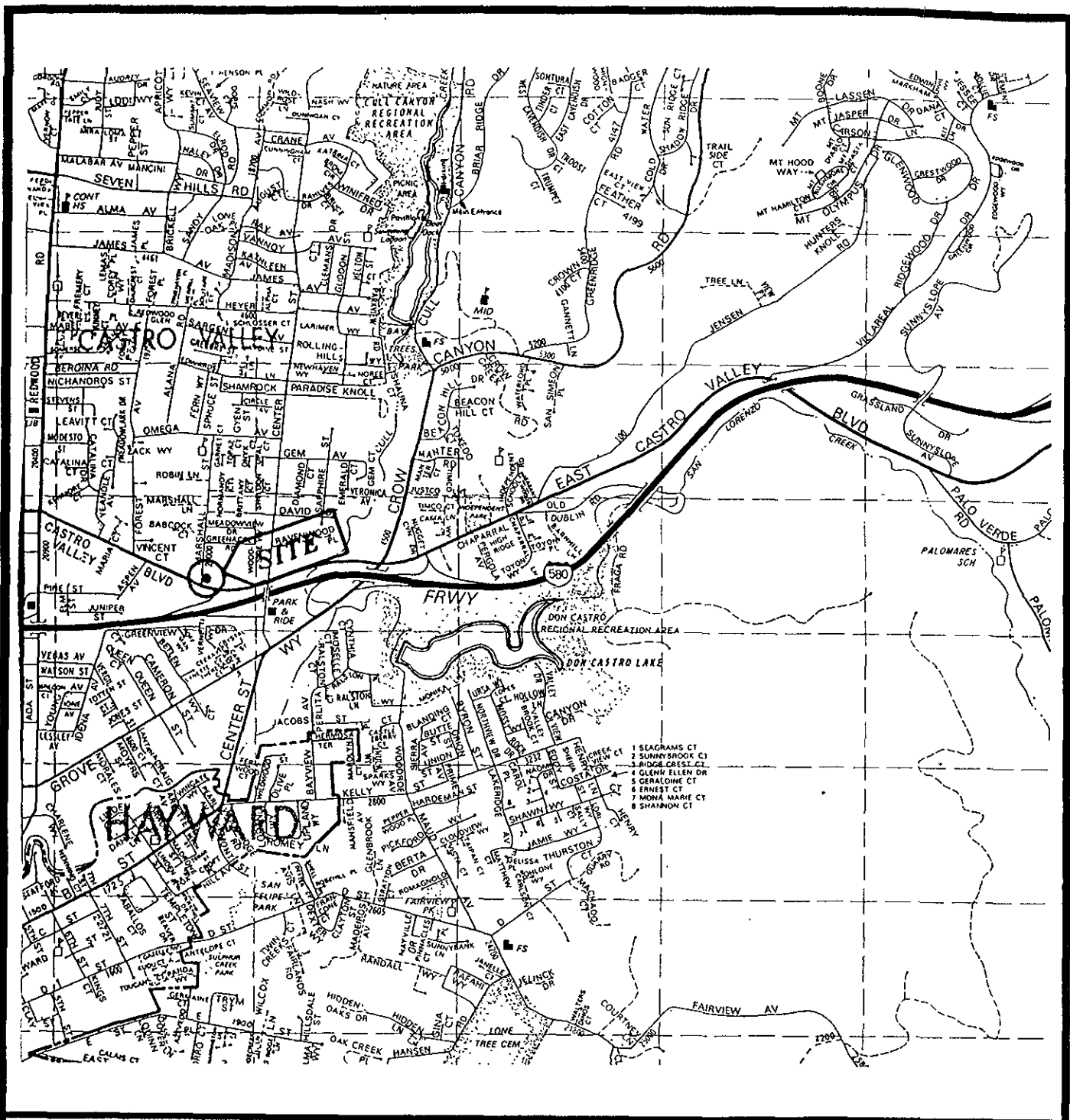
CC: Mr. Richard Hiett
CRWQCB - San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94612

Mr. David Daffern
Lakeshore Financial
21060 Redwood Road
Castro Valley, CA 94596

RAOFile-UCPFile-KLDetterman (w/enclosures) RRZielinski (w/o enclosures)

PR: KEV

**Groundwater Monitoring and Sampling
Second Quarter, 1994
at the
Former Texaco Station
3940 Castro Valley Boulevard
Castro Valley, CA**



- 1 SEAGRAMS CT
- 2 SUNNYSIDE CT
- 3 RIDGE CREST CT
- 4 GLENH ELLEN DR
- 5 GERALDINE CT
- 6 ERNEST CT
- 7 MONA MARIE CT
- 8 SHANNON CT

SOURCE:
 1993 THE THOMAS GUIDE
 ALAMEDA COUNTY, PAGE 31 (A4)



TEXACO
 REFINING AND MARKETING, INC.
 TEXACO ENVIRONMENTAL SERVICES

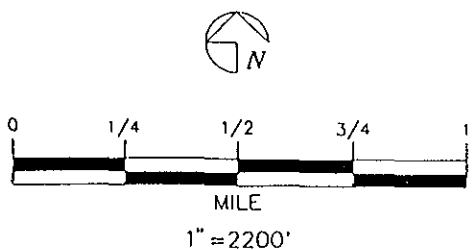
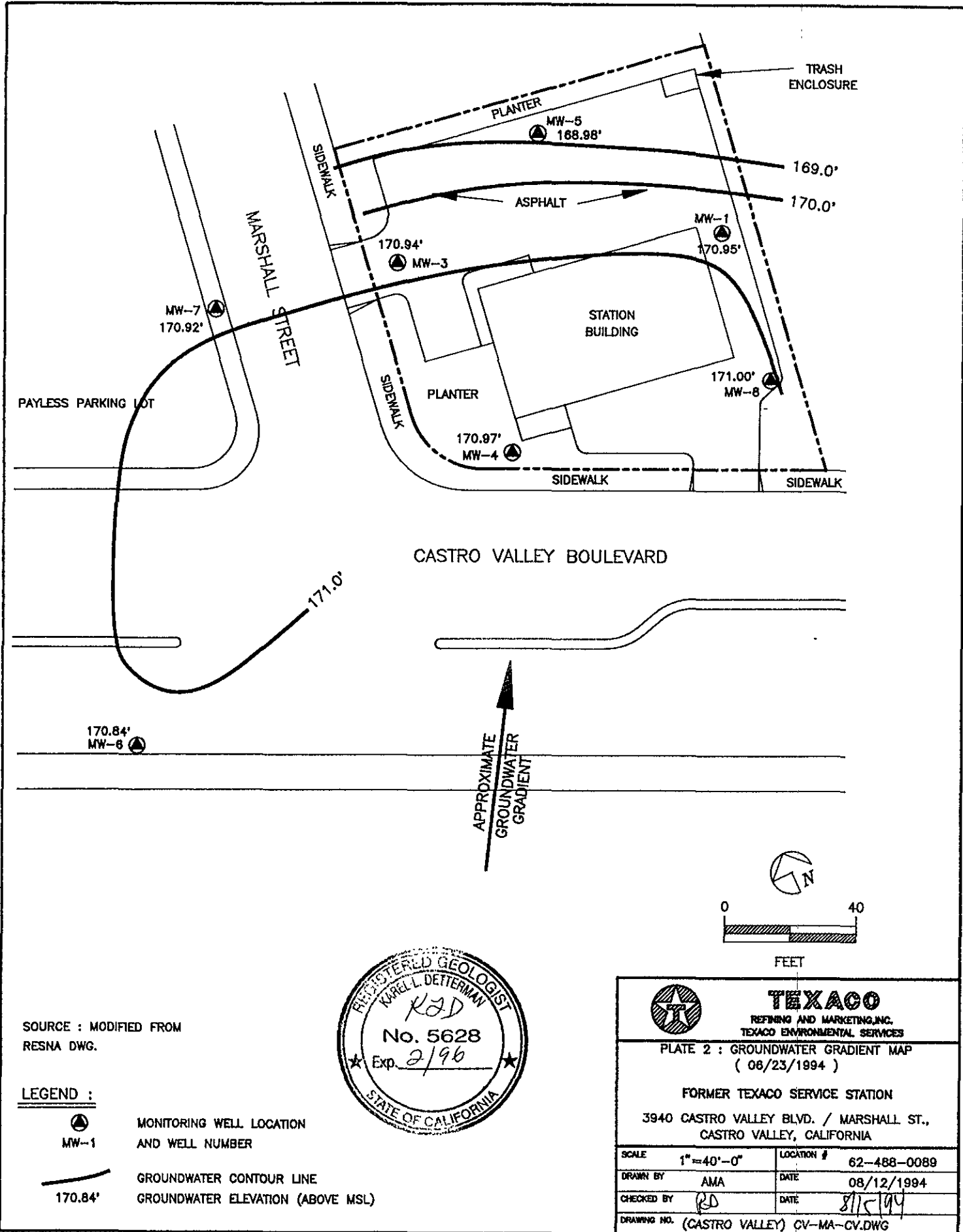





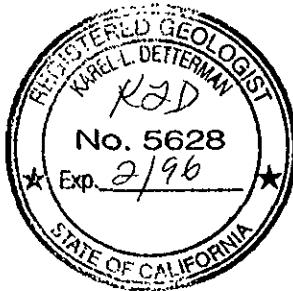
PLATE 1
 SITE VICINITY MAP
 TEXACO SERVICE STATION
 3940 CASTRO VALLEY BLVD. / MARSHALL ST.,
 CASTRO VALLEY, CALIFORNIA




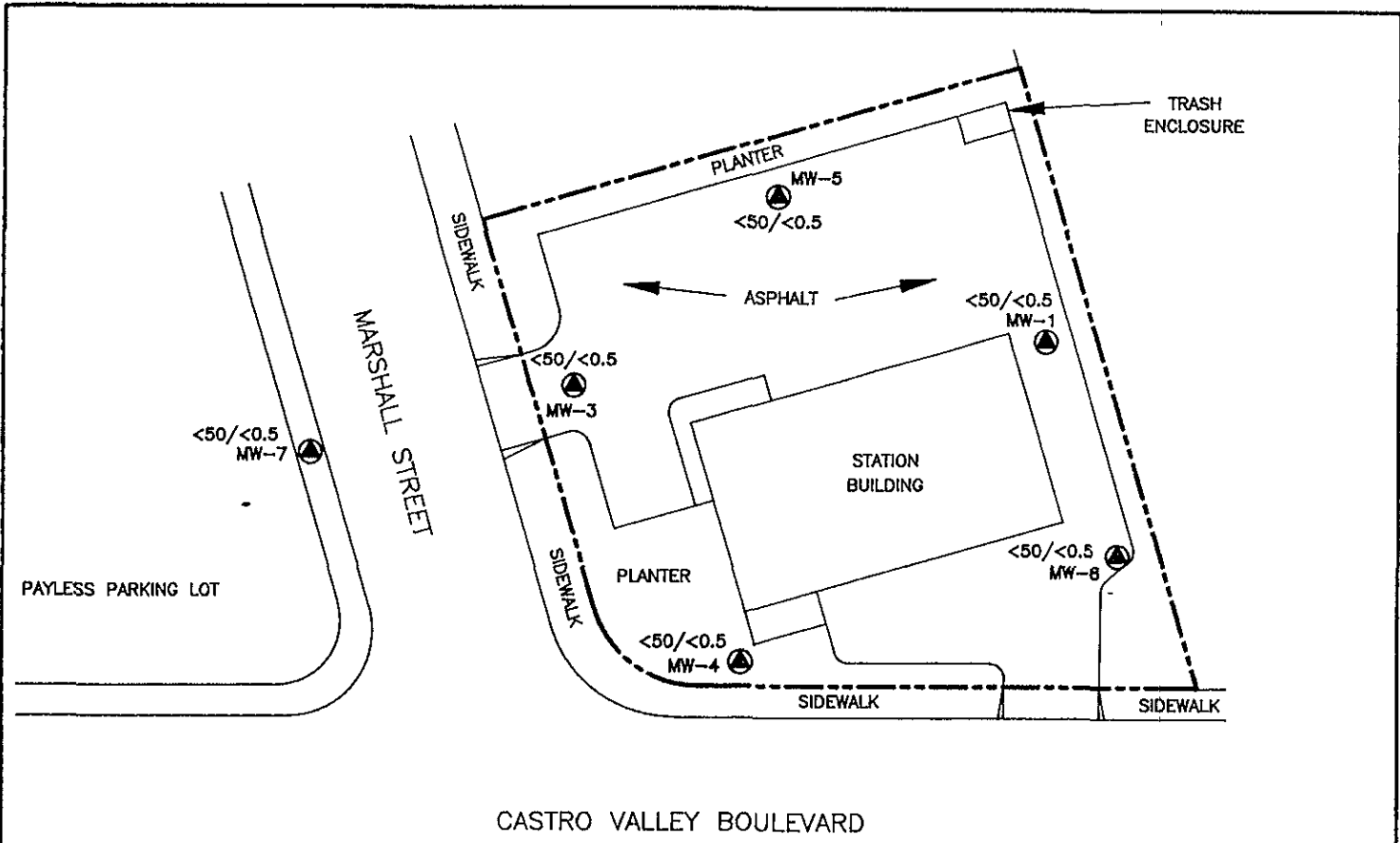
SOURCE : MODIFIED FROM
RESNA DWG.

LEGEND :

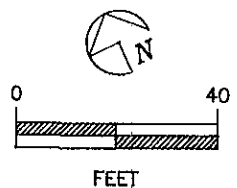
-  MONITORING WELL LOCATION AND WELL NUMBER
-  GROUNDWATER CONTOUR LINE
-  170.84' GROUNDWATER ELEVATION (ABOVE MSL)



 TEXACO REFINING AND MARKETING, INC. TEXACO ENVIRONMENTAL SERVICES	
PLATE 2 : GROUNDWATER GRADIENT MAP (08/23/1994)	
FORMER TEXACO SERVICE STATION 3940 CASTRO VALLEY BLVD. / MARSHALL ST., CASTRO VALLEY, CALIFORNIA	
SCALE	1" = 40'-0"
LOCATION #	62-488-0089
DRAWN BY	AMA
DATE	08/12/1994
CHECKED BY	<i>RD</i>
DATE	<i>8/15/94</i>
DRAWING NO. (CASTRO VALLEY) CV-MA-CV.DWG	





<50/<0.5
MW-8



SOURCE : MODIFIED FROM
RESNA DWG.

LEGEND :

-  MONITORING WELL LOCATION AND WELL NUMBER
-  MW-1
- <50/<0.5 TPHg/BENZENE CONCENTRATION IN GROUNDWATER (ppb)


 TEXACO REFINING AND MARKETING, INC. TEXACO ENVIRONMENTAL SERVICES	
PLATE 3 : TPHg/BENZENE CONCENTRATION IN GROUNDWATER (06/23/1994)	
FORMER TEXACO SERVICE STATION 3940 CASTRO VALLEY BLVD. / MARSHALL ST., CASTRO VALLEY, CALIFORNIA	
SCALE	1" = 40'-0"
LOCATION #	62-488-0089
DRAWN BY	AMA
DATE	08/12/1994
CHECKED BY	<i>RD</i>
DATE	8/15/94
DRAWING NO. (CASTRO VALLEY) CV-MA-CV.DWG	

Table 1
Groundwater Elevation Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Gauged	Elevation of Wellhead (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
TX	8/29/92	Well Destroyed		
MW-1	2/28/92	192.45	23.72	168.73
	3/30/92		23.25	169.20
	6/30/92		23.44	169.01
	10/5/92		23.96	168.49
	12/29/92	Flooded - Not Accessible		
	3/31/93		21.38	171.07
	6/22/93		21.49	170.96
	8/24/93		21.98	170.47
	11/16/93		22.64	169.81
	3/18/94		21.40	171.05
	6/23/94		21.50	170.95
MW-2	8/29/89	Well Destroyed		
MW-3	2/28/92	190.50	21.76	168.74
	3/30/92		21.49	169.18
	6/30/92		21.49	169.01
	10/5/92		22.15	168.35
	12/29/92		21.90	168.60
	3/31/93		19.50	171.00
	6/22/93		19.49	171.01
	8/24/93		19.92	170.58
	11/17/93		20.65	169.85
	3/18/94		19.48	171.02
	6/23/94		19.56	170.94
MW-4	1/28/92	191.64	23.79	167.85
	2/28/92		22.90	168.74
	3/30/92		22.46	169.18
	6/30/92		22.64	169.00
	10/5/92		23.90	167.74
	12/29/92	Flooded - Not Accessible		
	3/31/93		20.63	171.01
	6/22/93		20.63	171.01
	8/24/93		21.07	170.57
	11/16/93		21.78	169.86
	3/18/94		20.63	171.01
	6/23/94		20.67	170.97

Table 1
Groundwater Elevation Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Gauged	Elevation of Wellhead (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	
MW-5	2/28/92	191.56	22.80	168.76	
	3/30/92		22.35	168.21	
	6/30/92		22.54	169.02	
	10/5/92		23.05	168.51	
	12/29/92		22.53	169.03	
	3/31/93		20.55	171.01	
	6/22/93		20.63	170.93	
	8/24/93	Not monitored-inaccessible			
	11/16/93		21.50	170.06	
	3/18/94		20.50	171.06	
	6/23/94		22.58	168.98	
	MW-6	1/28/92	187.30	19.55	167.75
		2/28/92		18.62	168.68
3/30/92			18.20	168.10	
6/30/92			18.38	168.92	
10/5/92			19.02	168.28	
12/29/92			18.73	168.57	
3/31/93			16.45	170.85	
6/22/93			16.40	170.90	
8/24/93			16.85	170.45	
11/16/93			17.58	169.72	
3/18/94			16.38	170.92	
6/23/94			16.46	170.84	
MW-7		1/28/92	189.34	21.53	167.81
	2/28/92		20.61	168.73	
	3/30/92		20.17	169.17	
	6/30/92		20.37	168.97	
	10/5/92		21.00	168.34	
	12/29/92		20.65	168.69	
	3/31/93		18.35	170.99	
	6/22/93		18.35	170.99	
	8/24/93		18.81	170.53	
	11/16/93		19.53	169.81	
	3/18/94		18.36	170.98	
	6/23/94		18.42	170.92	

Table 1
Groundwater Elevation Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Gauged	Elevation of Wellhead (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8	1/28/92	193.62	25.77	167.85
	2/28/92		24.89	168.73
	3/30/92		24.42	169.20
	6/30/92		24.61	169.01
	10/5/92		25.20	168.42
	12/29/92		25.00	168.62
	3/31/93		22.63	170.99
	6/22/93		22.56	171.06
	8/24/93		23.01	170.61
	11/16/93		23.72	169.90
	3/18/94		22.60	171.02
	6/23/94		22.62	171.00
MSL = Mean Sea Level				
TOC = Top of Casing				

Table 2
Groundwater Analytical Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	
TX	8/29/89	Well Abandoned					
MW-1	1/28/92	NA	NA	NA	NA	NA	
	2/28/92	NA	NA	NA	NA	NA	
	3/31/92	280	<0.5	<0.5	<0.5	1.3	
	6/30/92	67	1.3	<0.5	<0.5	<0.5	
	10/5/92	<50	<0.5	<0.5	<0.5	<0.5	
	12/29/92	NA	NA	NA	NA	NA	
	3/31/93	<50	1.0	<0.5	<0.5	<0.5	
	6/23/93	<50	<0.5	<0.5	<0.5	<0.5	
	8/25/93	<50	<0.5	<0.5	<0.5	<0.5	
	11/17/93	<50	<0.5	<0.5	<0.5	1.3	
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-2	8/29/89	Well Abandoned					
MW-3	1/28/92	NA	NA	NA	NA	NA	
	2/2/92	NA	NA	NA	NA	NA	
	3/31/92	<50	<0.5	<0.5	<0.5	1	
	6/30/92	<50	<0.5	<0.5	<0.5	<0.5	
	10/5/92	<50	<0.5	<0.5	<0.5	<0.5	
	12/29/92	260	6.2	<0.5	<0.5	<0.5	
	3/31/93	64	5.6	<0.5	<0.5	<0.5	
	6/23/93	1,900	220	160	29	160	
	8/24/93	<50	<0.5	<0.5	<0.5	2.0	
	11/17/93	<50	<0.5	<0.5	<0.5	1.0	
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-4	1/28/92	1,200	26	0.8	28	2.0	
	2/28/92	9,400	68	5.3	68	240	
	3/31/92	360	<0.5	<0.5	3.2	1.1	
	6/30/92	76	2.4	<0.5	3.3	<0.5	
	10/5/92	<50	1.5	<0.5	<0.5	<0.5	
	12/29/92	NA	NA	NA	NA	NA	
	3/31/93	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/93	<50	<0.5	<0.5	<0.5	<0.5	
	8/25/93	<50	0.7	0.5	<0.5	3.2	
	11/16/93	<50	0.5	<0.5	<0.5	1.6	
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5	

Table 2
Groundwater Analytical Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	
MW-5	1/28/92	NA	NA	NA	NA	NA	
	2/28/92	NA	NA	NA	NA	NA	
	3/31/92	<50	<0.5	<0.5	<0.5	1.2	
	6/30/90	<50	<0.5	<0.5	<0.5	<0.5	
	10/5/92	<50	<0.5	<0.5	<0.5	<0.5	
	12/29/92	<50	<0.5	<0.5	<0.5	<0.5	
	3/31/93	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/93	<50	<0.5	<0.5	<0.5	<0.5	
	8/24/93	Not sampled-inaccessible					
	11/17/93	<50	<0.5	<0.5	<0.5	1.2	
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5	
	MW-6	1/28/92	<50	<0.5	<0.5	<0.5	<0.5
2/28/92		280	<0.5	0.3	<0.5	5.1	
3/31/92		<50	<0.5	<0.5	<0.5	<0.5	
6/30/92		<50	<0.5	<0.5	<0.5	<0.5	
10/5/92		<50	<0.5	<0.5	<0.5	<0.5	
12/29/92		<50	0.7	0.5	0.7	3.3	
3/31/93		<50	<0.5	<0.5	<0.5	<0.5	
6/23/93		<50	<0.5	<0.5	<0.5	<0.5	
8/24/93		<50	<0.5	<0.5	<0.5	<0.5	
11/16/93		<50	0.6	0.5	<0.5	2.2	
3/18/94		<50	<0.5	<0.5	<0.5	<0.5	
6/23/94		<50	<0.5	<0.5	<0.5	<0.5	
MW-7	1/28/92	<50	<0.5	<0.5	<0.5	<0.5	
	2/28/92	<50	<0.5	0.6	<0.5	1.8	
	3/31/92	<50	<0.5	<0.5	<0.5	<0.5	
	6/30/92	<50	<0.5	<0.5	<0.5	<0.5	
	10/5/92	<50	<0.5	<0.5	<0.5	<0.5	
	12/29/92	<50	0.5	<0.5	0.6	3.0	
	3/31/93	60	0.8	<0.5	<0.5	<0.5	
	6/22/93	<50	<0.5	<0.5	<0.5	<0.5	
	8/24/93	<50	0.5	<0.5	<0.5	2.6	
	11/16/93	<50	<0.5	<0.5	<0.5	1.6	
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5	
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5	

Table 2
Groundwater Analytical Data
3940 Castro Valley Boulevard, Castro Valley, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
MW-8	1/28/92	<50	<0.5	<0.5	<0.5	<0.5
	2/28/92	69	<0.5	<0.5	<0.5	0.9
	3/31/92	62	<0.5	<0.5	<0.5	4.3
	6/30/92	<50	<0.5	<0.5	<0.5	<0.5
	10/5/92	<50	<0.5	<0.5	<0.5	<0.5
	12/29/92	<50	<0.5	<0.5	<0.5	<0.5
	3/31/93	<50	<0.5	<0.5	<0.5	<0.5
	6/23/93	<50	<0.5	<0.5	<0.5	<0.5
	8/24/93	<50	<0.5	<0.5	<0.5	2.3
	11/16/93	<50	<0.5	<0.5	<0.5	0.9
	3/18/94	<50	<0.5	<0.5	<0.5	<0.5
	6/23/94	<50	<0.5	<0.5	<0.5	<0.5
	MCLs:	-	1.0	-	680	1,750
	DWAL:	-	-	100	-	-
ppb = parts per billion						
NA = Not Analyzed						
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA method 5030/602.						
BTEX analyzed by EPA method 5030/602.						
< = Less than the detection limit for the specified method of analysis.						
- = Not Available						
MCLs = Adopted Maximum Contaminant Levels in Drinking Water, DHS (October 1990)						
DWAL = Recommended Drinking Water Action Level, DHS (October 1990)						

Appendix

801 Western Avenue
 Glendale, CA 91201
 818/247-5737
 Fax: 818/247-9797

LOG NO: G94-06-353

Received: 24 JUN, 94

Mailed: JUL 11 1994

Ms. Rebecca Digerness
 Texaco Environmental Services
 108 Cutting Boulevard
 Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 624880089
 Project: FKEP1004L

REPORT OF ANALYTICAL RESULTS

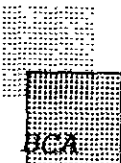
Page 1

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020)	Date Analyzed Date	Dilution Factor Times 1	TPH-g	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
					ug/L	ug/L	ug/L	ug/L	ug/L
RDL				1	50	0.5	0.5	0.5	0.5
1*MW-1	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
2*MW-3	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
3*MW-4	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	0.59
4*MW-5	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
5*MW-6	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
6*MW-7	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
7*MW-8	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
8*EB	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5
9*TB	06/23/94	07/07/94		1	<50	<0.5	<0.5	<0.5	<0.5

Karel Dotterman/Marvin Katz
 3940 Castro Valley Blvd., Castro Valley, Alameda

James C. Hein
 James C. Hein, Laboratory Director



SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9406353*1	MW-1	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*2	MW-3	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*3	MW-4	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*4	MW-5	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*5	MW-6	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*6	MW-7	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*7	MW-8	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*8	EB	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961
9406353*9	TB	GAS.BTX.TESNC	07.07.94	8015M.TX	536-21	94082	7961

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.
ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9406353

DATE REPORTED : 07/12/94

Page 1

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1. TPH-gas/BTEX (CADHS/80 C407330*1)						
Date Analyzed	07.08.94	94082	07/08/94	07/08/94	Date	N/A
Benzene	07.08.94	94082	19.6	21.9	ug/L	89
Toluene	07.08.94	94082	73.5	84.9	ug/L	87
Ethylbenzene	07.08.94	94082	14.6	18.4	ug/L	79
Total Xylene Isomers	07.08.94	94082	83.7	96.7	ug/L	87
TPH-gas	07.08.94	94082	833	1000	ug/L	83

BC ANALYTICAL

ORDER QC REPORT FOR G9406353

DATE REPORTED : 07/12/94

Page 1

MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT
1. TPH-gas/BTEX (CADHS/80 9406353*3)							
Benzene		07.07.94	94082	100	85	21.9	ug/L
Toluene		07.07.94	94082	88	95	84.9	ug/L
Ethylbenzene		07.07.94	94082	81	86	18.4	ug/L
Total Xylene Isomers		07.07.94	94082	90	94	96.7	ug/L
TPH-gas		07.07.94	94082	74	84	1000	ug/L

BC ANALYTICAL

ORDER QC REPORT FOR G9406353

DATE REPORTED : 07/12/94

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MATRIX QC PRECISION (DUPLICATE SPIKES)
 BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. TPH-gas/BTEX (CADHS/80 9406353*3)							
Date Analyzed		07.08.94	94082	07/08/94	07/08/94	Date	N/A
Benzene		07.08.94	94082	21.9	18.6	ug/L	16
Toluene		07.08.94	94082	74.9	80.6	ug/L	7
Ethylbenzene		07.08.94	94082	14.9	15.8	ug/L	6
Total Xylene Isomers		07.08.94	94082	86.9	90.7	ug/L	4
TPH-gas		07.08.94	94082	739	842	ug/L	13

BC ANALYTICAL

ORDER QC REPORT FOR G9406353

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
1. TPH-gas/BTEX (CADHS/80 B407205*1)						
Date Analyzed	07.08.94	94082	07/08/94	NA	Date	8015M.TX
Benzene	07.08.94	94082	0	0.5	ug/L	8015M.TX
Toluene	07.08.94	94082	0	0.5	ug/L	8015M.TX
Ethylbenzene	07.08.94	94082	0	0.5	ug/L	8015M.TX
Total Xylene Isomers	07.08.94	94082	0	0.5	ug/L	8015M.TX
TPH-gas	07.08.94	94082	0	50	ug/L	8015M.TX

DETERM	SUBDET	REPORTED	TRUE	%RECOVERY	FLAG
9406353*1 GAS.BTX.TESNC	a,a,a-TFTol.R	53.8	50.0	108	
9406353*2 GAS.BTX.TESNC	a,a,a-TFTol.R	56.3	50.0	113	
9406353*3 GAS.BTX.TESNC	a,a,a-TFTol.R	55.6	50.0	111	
9406353*4 GAS.PTX.TESNC	a,a,a-TFTol.R	57.0	50.0	114	
9406353*5 GAS.BTX.TESNC	a,a,a-TFTol.R	43.4	50.0	87	
9406353*6 GAS.BTX.TESNC	a,a,a-TFTol.R	52.7	50.0	105	
9406353*7 GAS.BTX.TESNC	a,a,a-TFTol.R	52.1	50.0	104	
9406353*8 GAS.BTX.TESNC	a,a,a-TFTol.R	51.7	50.0	103	
9406353*9 GAS.BTX.TESNC	a,a,a-TFTol.R	45.0	50.0	90	

DETERM	SUBDET	REPORTED	TRUE	%RECOVERY	FLAG
9406353*3*R1 GAS.BTX.TESNC	a,a,a-TFTol.R	55.6	50.0		111
9406353*3*S1 GAS.BTX.TESNC	a,a,a-TFTol.R	54.8	50.0		110
9406353*3*S2 GAS.BTX.TESNC	a,a,a-TFTol.R	44.1	50.0		88
9406353*3*T GAS.BTX.TESNC	a,a,a-TFTol.R	50.0	50.0		100

BLAINE

TECH SERVICES INC.

985 TIMOTHY DRIVE
 SAN JOSE, CA 95133
 (408) 995-5535
 FAX (408) 293-8773

CONDUCT ANALYSIS TO DETECT

LAB BC Analytical DHS # _____

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
 LIA
 OTHER

RWQCB REGION _____

SPECIAL INSTRUCTIONS

Report & Invoice to:
 Texaco Environmental Services
 108 Cutting Blvd.
 Richmond, CA 94804
 ATTN: Rebecca Digerness
 (510) 236-3541

CHAIN OF CUSTODY
 940623-22

CLIENT
 Texaco Environmental Services

SITE
 Location # 624 880 087

3940 Castro Valley Blvd.

Castro Valley, CA

C = COMPOSITE ALL CONTAINERS

TPH - GAS BTEX

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H2O	CONTAINERS		C = COMPOSITE ALL CONTAINERS	TPH - GAS BTEX	CONDUCT ANALYSIS TO DETECT							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				40 ml	HCL VOL.													
mw-1	6/23/94	1600	W	3			X											
mw-3	"	1520	W	3			X											
mw-4	"	1455	W	3			X											
mw-5	"	1540	W	3			X											
mw-6	"	1350	W	3			X											
mw-7	"	1415	W	3			X											
mw-8	"	1430	W	3			X											
EB	"	1400	W	3			X											
TB	"		W	2			X											

SAMPLING COMPLETED 6/23/94 DATE 6/23/94 TIME 1615 SAMPLING PERFORMED BY Brett Blean RESULTS NEEDED NO LATER THAN ROUTINE

RELEASED BY Brett Blean DATE 6/24/94 TIME 1035 RECEIVED BY Bell Lyons DATE 6-24-94 TIME 1035

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

SHIPPED VIA _____ DATE SENT _____ TIME SENT _____ COOLER # _____

TEXACO WELL MONITORING DATA SHEET

Project #: 940623-Z2	Facility # 624 880 089
Sampler: BB	Date Sampled: 6/23/94
Well I.D.: mw-1	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 39.30 After	Depth to Water: Before 21.50 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to: PVC	Grade Other --

11.6	X	3	=	34.8
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Middleburg Electric Submersible Suction Pump Type of Installed Pump _____	Sampling: Bailer Middleburg Electric Submersible Suction Pump Installed Pump _____
---	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1549	68.1	7.4	2006	7200	12	
1551	68.2	7.3	2100	129.8	24	
1553	68.2	7.3	2100	80.3	35	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 35

Sampling Time: 1600

Sample I.D.: mw-1 Laboratory: BCA

Analyzed for: TPH-G, BTEX

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: _____

Wellhead Condition: SECURE? **Yes** No If No explain: _____

Wellhead Maintenance Performed: new well cap

TEXACO WELL MONITORING DATA SHEET

Project #: 940623-22	Facility # 624 880 089
Sampler: BB	Date Sampled: 6/23/94
Well I.D.: MW-3	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 34.59 After	Depth to Water: Before 19.56 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to:	PVC Grade Other --

9.8	X	3	=	29.4
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: Bailer
Middleburg
Electric Submersible
Suction Pump
Installed Pump _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1508	69.1	7.4	1800	1200	10	
1510	69.2	7.3	1700	112.3	20	
1512	69.4	7.3	1700	42.6	30	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 30

Sampling Time: 1520

Sample I.D.: MW-3 Laboratory: BCA

Analyzed for: TPH-6, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Wellhead Condition: SECURE? **Yes** No If No explain:

Wellhead Maintenance Performed:

TEXACO WELL MONITORING DATA SHEET

Project #: 740623-Z2	Facility #: 624.880.089
Sampler: BB	Date Sampled: 6/23/94
Well I.D.: mw-4	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 41.97 After	Depth to Water: Before 20.67 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to: PVC	Grade Other --

3.8	x	3	=	41.4
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Middleburg Electric Submersible Suction Pump Type of Installed Pump _____	Sampling: Bailer Middleburg Electric Submersible Suction Pump Installed Pump _____
---	--

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1446	70.6	7.6	1800	7200	14	
1448	70.2	7.3	1800	104.0	28	
1450	70.2	7.3	1900	46.7	42	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 42

Sampling Time: 1455

Sample I.D.: mw-4 Laboratory: BCA

Analyzed for: TPH, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Wellhead Condition: SECURE? Yes No If No explain:

Wellhead Maintenance Performed:

TEXACO WELL MONITORING DATA SHEET

Project #: 740023-22	Facility # 624 880 089
Sampler: 08	Date Sampled: 6/23/94
Well I.D.: mw-5	Well Diameter: (circle one) 2 3 <u>4</u> 6
Total Well Depth: Before 42.42 After	Depth to Water: Before 22.58 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to: <u>PVC</u> Grade	Other --

12.9	X	3	=	38.7
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: Bailer
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1526	68.9	7.6	1700	147.6	13	
1528	68.7	7.6	1700	131.6	26	
1531	69.7	7.6	1700	77.5	39	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 39.0

Sampling Time: 1540

Sample I.D.: mw-5 Laboratory: BCA

Analyzed for: TPH-G, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Wellhead Condition: SECURE? Yes No If No explain:

Wellhead Maintenance Performed:

TEXACO WELL MONITORING DATA SHEET

Project #: 94023-22	Facility #: 624 880 089
Sampler: BB	Date Sampled: 6/23/94
Well I.D.: MW-6	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 37.30 After	Depth to Water: Before 16.46 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to: PVC Grade Other --	

13.5	x	3	=	40.5
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: Bailer
Middleburg
Electric Submersible
Suction Pump
Installed Pump _____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1334	71.2	7.1	2300	1200	14	
1337	71.0	7.1	2100	52.3	28	
1340	70.9	7.0	2100	24.2	41	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 41

Sampling Time: 1350

Sample I.D.: MW-6 Laboratory: B&A

Analyzed for: TPH-G, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Wellhead Condition: SECURE? **Yes** No If No explain:

Wellhead Maintenance Performed:

TEXACO WELL MONITORING DATA SHEET

Project #: 940623-Z2	Facility #: 624 880 089
Sampler: BB	Date Sampled: 6/23/94
Well I.D.: mw-7	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 37.24 After	Depth to Water: Before 18.42 After
Depth to Free Product:	Thickness of Free Product (inches):
Measurements referenced to: PVC	Grade Other --

<u>12.2</u>	X	<u>3</u>	=	<u>36.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Middleburg Electric Submersible Suction Pump Type of Installed Pump _____	Sampling: Bailer Middleburg Electric Submersible Suction Pump Installed Pump _____
---	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1404	70.7	7.1	2100	7200	13	
1406	70.2	7.3	1800	1278	26	
1409	70.3	7.3	1700	74.3	37	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 37

Sampling Time: 1415

Sample I.D.: mw-7 Laboratory: BCA

Analyzed for: TPH-G, BTEX

Duplicate I.D.: Cleaning Blank I.D.: EB @ 1400

Analyzed for: TPH-G, BTEX

Wellhead Condition: SECURE? **Yes** No If No explain:

Wellhead Maintenance Performed: