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9562

ANNUAL GROUND WATER MONITORING REPORT
DECEMBER 1994

LPST ID No. 95021

AIRPORT FUEL FARM
518 FLIGHTLINE
LAREDO (WEBB COUNTY), TEXAS

Prepared for

CITY OF LAREDO
1110 HOUSTON
LAREDO, TEXAS 78042

Prepared by:

RABA-KISTNER CONSULTANTS, INC.

Project No. ASB92-034-03

January 26, 1995

01116

Document 49

MW 95021

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
MONITORING EVENT SUMMARY AND STATUS REPORT

Complete All Applicable Blanks.

GENERAL INFORMATION

LPST ID NO.: 95021 Assigned TNRCC Coordinator: Mr. William Koger

Responsible Party: City of Laredo

Facility Name: Laredo International Airport

Facility Address: 518 Flightline

Facility City: Laredo, Texas

Reporting Period: 1/15/94 to 7/15/94

Reporting Frequency: Quarterly __ or SemiAnnually X (please check one)

PHASE-SEPARATED HYDROCARBON (PSH) RECOVERY AND FLUID DISPOSITION

Number of monitoring wells impacted with PSH: 3 (sheen)

Product recovery method: weekly gauging/purging with hand bailers

Amount of product recovered during previous quarter: 0 gallons. Total gallons to date: 0

Amount of total fluids recovered during previous quarter: 000 gallons.

Disposition of all fluids recovered during previous quarter, including purged groundwater: stored on site in 55-gal drum

SAMPLING EVENT

Date samples were collected: 7/14/94

List monitoring wells sampled: MW-1, MW-2, MW-3, MW-4, MW-7, and MW-10

Date analyses performed: BTEX on 7-14-94; TPH on 7-22-94

Were any holding times exceeded? ~~YES~~ or NO (circle one)

GAUGING EVENT

Date all monitoring wells were gauged: 7/14/94

Groundwater flow direction: to southwest

Was the static groundwater level above the top of the well screen in any wells? ~~YES~~ or NO (circle one) If yes, indicate which wells:

01102

MONITORING EVENT SUMMARY AND STATUS REPORT

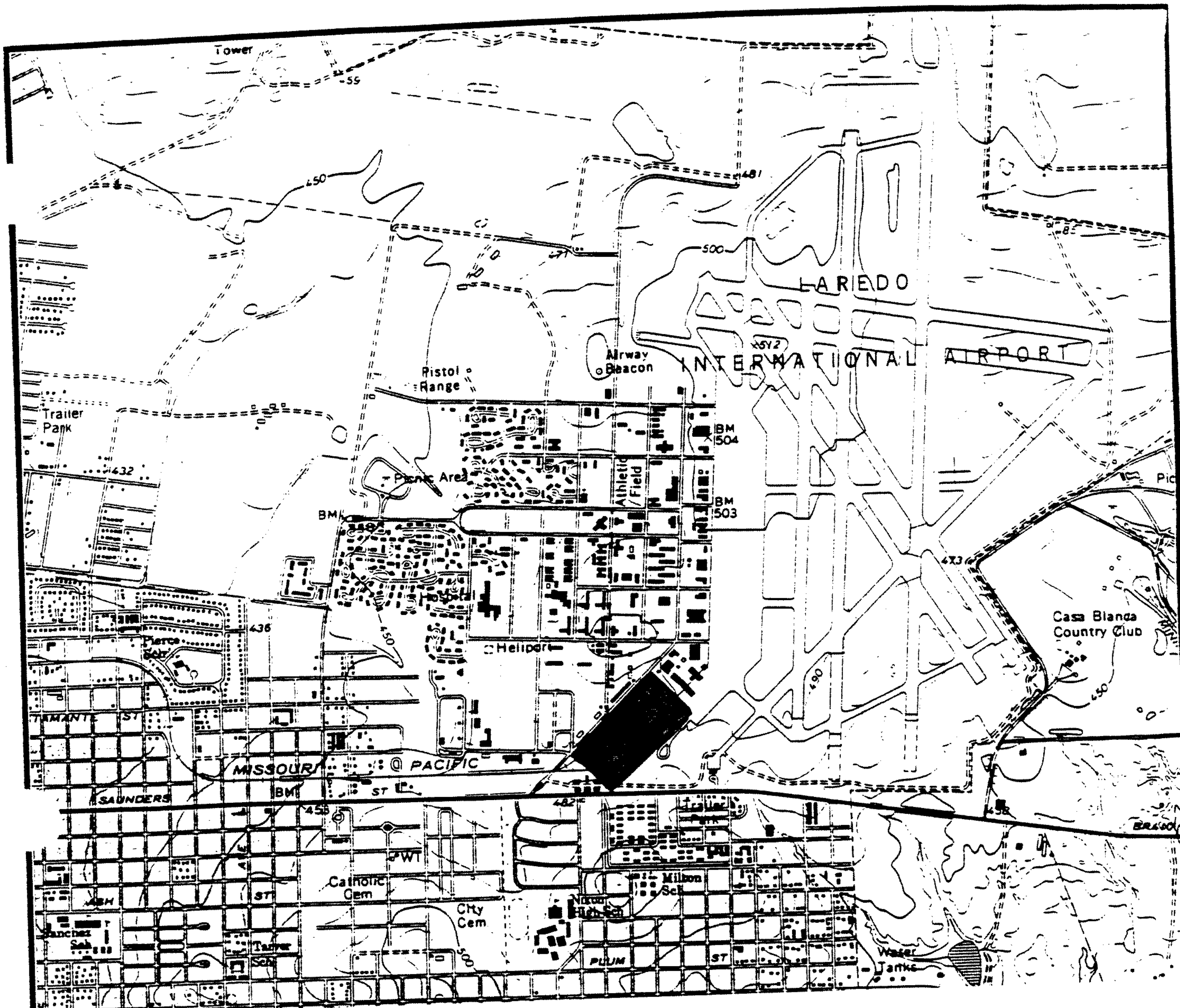
Complete All Applicable Blanks.

STATUS
Number of existing monitoring wells: 9
Was any damage noted on any existing monitoring wells?: **YES** or ~~**NO**~~ (circle one). If yes, explain: MW-9 was destroyed during PST removal operations on adjacent tankhold by US Corps of Engineers
Has the groundwater contaminant plume been defined?: **YES** or ~~**NO**~~ (circle one)
Any ongoing assessment activities? ~~**YES**~~ **or** **NO** (circle one). If yes, indicate type of assessment activities:
Any ongoing remediation activities? **YES** **or** ~~**NO**~~ (circle one). If yes, indicate type of remediation: Purging wells of LNAPL hydrocarbons by hand bailing once per week; Negotiating with U.S. Corps of Engineers for final site remediation. Also, discuss the effectiveness of this remedial technology in addressing site remediation:
Any significant changes in the subsurface conditions? ~~**YES**~~ **or** **NO** (circle one). If yes, please indicate:

REPORT PREPARATION	
Prepared by: Kevin L. Wooster, C.P.G., under Richard N. Berry, P.E. (CAPM 00226)	
Company: Raba-Kistner Consultants, Inc.	
Date prepared: 8/25/94	Signature: Kevin L. Wooster

ATTACHMENTS: Cumulative list of analytical results
Copy of most recently drafted groundwater gradient map
Cumulative list of groundwater-levels **only** if PSH is present

01103



(BASE MAP FROM USGS, 1980; LAREDO EAST QUADRANGLE)

N

LEGEND

SITE LOCATION

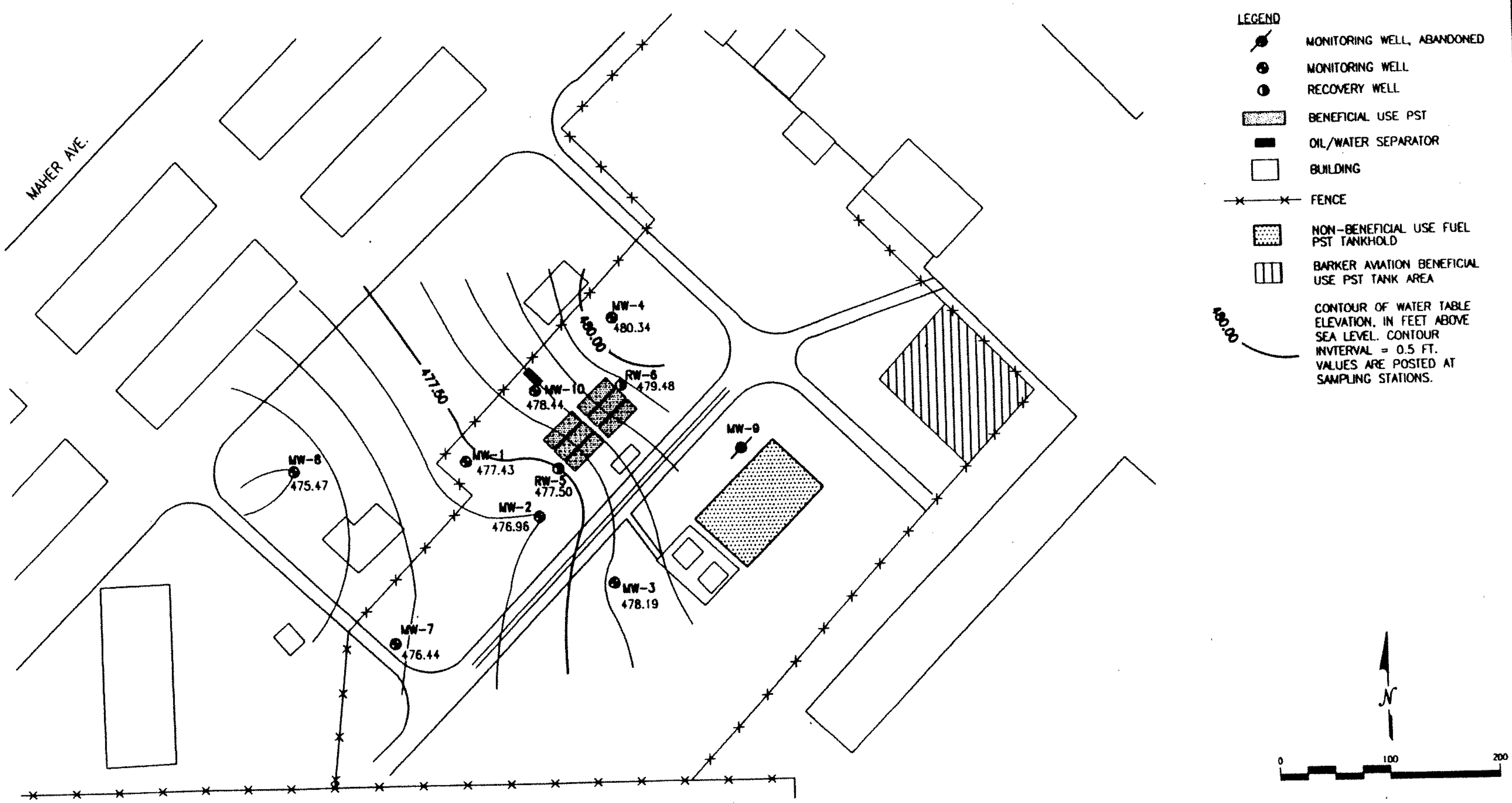
0 2000 4000
SCALE IN FEET

SITE LOCATION MAP
LAREDO AIRPORT
LAREDO, TEXAS

PROJECT No. ASB92-034-03

Raba-Kistner Consultants, Inc.

Acad:



00WT01

REVISIONS			
NO.	BY	DATE	APPD
1	LAJ	8/94	KLW

Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

WATER TABLE ELEVATION MAP 07/14/94
LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: ASB92-034-03
DRAWN BY: FY CHK. BY: KLW APPD.: KLW DATE: 8/25/92

011051

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

8/01/94

FILE NAME: WATER.WQ1

Sample Designation	Sample Date	Sample * Analyzed By	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	Total Detectable BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-1	07/25/90	PAL	4.0	0.730	0.200	0.530	5.46	<0.01	13	
	12/11/91	PAL	3.056	0.531	0.143	0.446	4.176	<0.01	13.8	
	05/27/92	PAL	4.853	0.687	0.277	0.703	6.52	1.494	1.98	
	08/11/92	R-KCI	12	1.5	0.38	0.89	14.77		44	
	10/13/92	R-KCI	11	1.3	<0.5***	<0.5***	12.3		6	
	01/13/93	R-KCI	2.7	0.33	<0.12***	<0.12***	3.03		4	
	04/15/93	R-KCI	1.2	0.1	0.07	0.05	1.42		1	
	07/14/94	CHEM	7.5	0.65	<0.25***	<0.75***	8.15		3	
MW-2	12/11/91	PAL	0.329	0.271	0.205	0.516	1.321	<0.01	214	
	05/27/92	PAL	0.698	0.361	0.281	0.662	2.002	0.890	29.6	
	08/11/92	R-KCI	0.33	0.26	0.16	0.39	1.14		53	
	10/13/92		****	****	****	****	****	****	****	****
	04/15/93		****	****	****	****	****	****	****	****
	07/14/94		****	****	****	****	****	****	****	****
MW-3	07/25/90	PAL	0.860	0.082	0.190	0.280	1.412	<0.01	<10	
	12/11/91	PAL	0.010	0.018	<0.01	0.013	0.041	0.049	3.3	
	05/27/92	PAL	0.480	<0.01	0.028	<0.01	0.508	0.026	1.38	
	08/11/92	R-KCI	0.38	0.31	0.20	0.51	1.4		6	
	10/13/92	R-KCI	0.085	<0.005	0.048	<0.005	0.133		6	
	01/13/93	R-KCI	0.020	<0.005	<0.005	<0.005	0.020		2	
	04/15/93	R-KCI	0.02	<0.005	<0.005	<0.005	0.02		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		3.4	

* R-KCI = RABA-KISTNER CONSULTANTS, INC.
PAL = PAN AMERICAN LABORATORIES, INC.
CHEM = CHEMSOLVE

** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES. MTBE WAS NOT DETECTED VIA GC/MS CONFIRMATION ANALYSIS.

*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

SUMMARY OF ANALYTICAL RESULTS (CONTINUED)

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

8/01/94

FILE NAME: WATER.WQ1

Sample Designation	Sample Date	Sample * Analyzed By	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	Total Detectable BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-4	07/25/90	PAL	<0.01	<0.01	<0.01	<0.01	—	<0.01	<10	
	12/11/91	PAL								3.510
	05/27/92	PAL	<0.01	<0.01	<0.01	<0.01	—	0.803	<10	
	08/11/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	10/13/92	R-KCI	0.006	0.015	0.006	0.020	0.047		<1	
	01/13/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	04/15/93	R-KCI	0.029	0.01	<0.005	<0.005	0.039		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		0.36	
MW-7	08/19/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—	<0.005	<1	
	10/13/92	R-KCI	0.12	0.054	0.011	0.036	0.221		<1	
	01/13/93	R-KCI	0.032	0.006	0.008	<0.005	0.046		<1	
	04/15/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		0.72	
MW-8	08/19/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—	<0.005	<1	
	10/13/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	01/13/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	04/15/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
MW-9	08/19/92	R-KCI	5.4	2.5	0.73	1.8	10.43	<0.13**	12	
	10/13/92	R-KCI	4.8	1.8	0.36	0.9	7.86		6	
	01/13/93	R-KCI	3.0	<0.25***	0.30	<0.25***	3.30		6	

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*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

SUMMARY OF ANALYTICAL RESULTS (CONCLUDED)

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

8/01/94

FILE NAME: WATER.WQ1

Sample Designation	Sample Date	Sample * Analyzed By	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	Total Detectable BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-10	08/19/92	R-KCI	3.4	0.78	0.24	0.26	4.68	<0.05**	4	
	10/13/92	R-KCI	6.2	1.7	0.31	0.98	9.19		14	
	01/13/93	R-KCI	6.6	2.0	<0.5***	1.1	9.70		31	
	04/15/93	R-KCI	8.6	1.8	<2.0**	<2.0**	10.4		7	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		4.6	
TRIP BLANK (MW-40)	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		2.2	

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*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

NOTES:

(1) MONITORING WELL MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

(2) A TRIP BLANK WAS SUBMITTED AS A BLIND SAMPLE. THE SAMPLE DESIGNATION GIVEN IN PARENTHESES IS THE DESIGNATION USED ON THE LABORATORY REPORTS OF ANALYSIS.

WATER LEVEL MEASUREMENTS

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -3WTLVL.WQ1

8/01/94

Well Designation	Date	TOC Elevation (ft)	Depth to Water (ft)	Water Table Elevation (ft)
MW-1	12/07/91	485.43	8.32	477.11
	06/13/92		7.27	478.16
	08/11/92		7.88	477.55
	08/19/92		7.80	477.63
	10/13/92		8.27	477.16
	01/13/93		8.50	476.93
	04/15/93		8.16	477.27
	07/14/94		8.00	477.43
MW-2	12/07/91	487.26	10.11	477.15
	06/13/92		8.91	478.35
	08/11/92		9.52	477.74
	08/19/92		9.51	477.75
	10/13/92		10.10	477.16
	01/13/93		10.97	476.29
	04/15/93		10.68	476.58
	07/14/94		10.30	476.96
MW-3	12/07/91	487.19	10.18	477.01
	06/13/92		8.93	478.26
	08/11/92		9.52	477.67
	08/19/92		9.52	477.67
	10/13/92		10.20	476.99
	01/13/93		11.45	475.74
	04/15/93		11.05	476.14
	07/14/94		9.00	478.19
MW-4	12/07/91	487.84	7.66	480.18
	06/13/92		7.77	480.07
	08/11/92		7.58	480.26
	08/19/92		7.56	480.28
	10/13/92		7.78	480.06
	01/13/93		7.85	479.99
	04/15/93		7.90	479.94
	07/14/94		7.50	480.34

WATER LEVEL MEASUREMENTS (CONTINUED)

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -3WTLVL.WQ1

8/01/94

Well Designation	Date	TOC Elevation (ft)	Depth to Water (ft)	Water Table Elevation (ft)
RW-5	12/07/91	488.60	11.60	477.00
	06/13/92		8.39	480.21
	08/11/92		10.20	478.40
	08/19/92		10.14	478.46
	10/13/92		10.52	478.08
	01/13/93		11.96	476.64
	04/15/93		11.68	476.92
	07/14/94		11.10	477.50
RW-6	12/07/91	488.78	9.96	478.82
	06/13/92		8.70	480.08
	08/11/92		8.63	480.15
	08/19/92		8.88	479.90
	10/13/92		9.03	479.75
	01/13/93		8.95	479.83
	04/15/93		10.18	478.60
	07/14/94		9.30	479.48
MW-7	12/07/91	485.24		
	06/13/92			
	08/11/92			
	08/19/92		9.80	475.44
	10/13/92		10.25	474.99
	01/13/93		9.62	475.62
	04/15/93		9.07	476.17
	07/14/94		8.80	476.44
MW-8	12/07/91	484.27		
	06/13/92			
	08/11/92			
	08/19/92		8.16	476.11
	10/13/92		10.19	474.08
	01/13/93		7.60	476.67
	04/15/93		7.76	476.51
	07/14/94		8.80	475.47

WATER LEVEL MEASUREMENTS (CONCLUDED)

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -3WTLVL.WQ1

8/01/94

Well Designation	Date	TOC Elevation (ft)	Depth to Water (ft)	Water Table Elevation (ft)
MW-9	12/07/91	487.17		
	06/13/92			
	08/11/92			
	08/19/92		7.16	480.01
	10/13/92		7.90	479.27
	01/13/93		8.25	478.92
MW-10	12/07/91	487.34		
	06/13/92			
	08/11/92			
	08/19/92		8.25	479.09
	10/13/92		8.85	478.49
	01/13/93		9.84	477.50
	04/15/93		9.43	477.91
	07/14/94		8.90	478.44

NOTE: MONITORING WELL MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

Report of Analysis

Consulting Geotechnical, Materials and Environmental Engineers
Geologists, Scientists and Chemists

Raba-Kistner
Consultants, Inc.

P.O. Box 690287, San Antonio, TX 78269-0287
12821 W. Golden Lane, San Antonio, TX 78249
(210) 699-9090

To: Laredo Airport
c/o R-KCI

Attn: Kevin Wooster

Project No: ASB92-034-03
Task No: 2000
Assignment No: 7063
Contract/P.O. No:
Date Received: 07-14-94
Page 1 **of** 3 **Date:** 07-25-94

Sample Type/Sample Loc: Water / Laredo Airport
Date Collected: 07-13-94
Date Completed: 07-25-94
Collected By: R-KCI

TEST METHODS:

TEST	PREPARATION / DATE	ANALYSIS / DATE
BTEX	5030 / 07-14-94	8020 / 07-14-94
TPH	418.1 / 07-14-94	418.1 / 07-22-94

By [signature]
Gang Sun, Ph.D.
QA/QC Officer

Project No: ASB92-034-03
Assignment No: 7063
Page 2 **of** 3

Analyte	**Detection Limit (mg/L)**	7063-1 (MW-3) **(mg/L)**	7063-2 (MW-4) **(mg/L)**	7063-3 (MW-40 Trip Blank) **(mg/L)**
Benzene	0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005
Total Xylenes	0.015	<0.015	<0.015	<0.015

Analyte	**Detection Limit (mg/L)**	7063-5 (MW-7) **(mg/L)**	7063-6 (MW-10) **(mg/L)**
Benzene	0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005
Total Xylenes	0.015	<0.015	<0.015

Analyte	**Detection Limit (mg/L)**	7063-4* (MW-1) **(mg/L)**
Benzene	0.25	7.5
Toluene	0.25	0.65
Ethylbenzene	0.25	<0.25
Total Xylenes	0.75	<0.75

* Elevated detection limits on sample 7063-4 were due to dilution factor.

Analyte	**Detection Limit** (mg/L)	7063-1 (MW-3) **(mg/L)**	7063-2 (MW-4) **(mg/L)**	7063-3 (MW-40 Trip Blank) **(mg/L)**
TPH	0.2	3.4	0.36	2.2

Analyte	**Detection Limit (mg/L)**	7063-4 (MW-1) **(mg/L)**	7063-5 (MW-7) **(mg/L)**	7063-6 (MW-10) **(mg/L)**
TPH	0.2	3	0.72	4.6

Note: All analyses were performed by a R-KCI approved subcontract laboratory.

RABA-! NER CONSULTANTS, INC. - CHEMISTRY LAB
.21 W. Golden Lane • San Antonio, Texas 78249
FAX: (210) 699-8702
Phone: (210) 699-9090
Report Results / Sample Custodian - Ext. 168

'hain of Custody Record and Analysis I uest

NOTE: PROJECT APPROVAL AND PROJECT SETUP MUST BE COMPLETE PRIOR TO INITIATION OF ANALYSIS.

7063

Company Name: LAREDO AIRPORT
Address:
ph #:
fax #:
Site Location: LAREDO AIRPORT
Project Number: ASB92-034-03
Task Number: 2000
Report Results to: KEVIN WOOSTER

R-KCI #	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	AMOUNT SAMPLED	MATRIX WATER	MATRIX AIR	MATRIX SOIL	MATRIX SLUDGE	MATRIX OTHER	PRESERV. pH/TEMP ACID	PRESERV. pH/TEMP ICE	PRESERV. pH/TEMP NONE	PRESERV. pH/TEMP OTHER	BTEX	BTEX/MTBE	TPH/418.1	TVH	TCLP 8 METALS	TCLP VOC	TCLP BNA
1	MW-3	9.13	AM	1-LITER 2-VOA	↓					↓	↓			↓		↓				
2	MW-4		AM	"																
3	MW-40 (TRIP BLANK)		PM	"																
4	MW-1		PM	"																
5	MW-2		PM	"																
6	MW-10		PM	"																

CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7-14-94	9:00AM

SPECIAL HANDLING
Emerg 24 hr ____
Emerg 72 hr ____
Rush 7 days ____
Normal 14 days ____
OTHER ____ # bus days
FAX ____

SPECIFY
Special detection limits: ____
Special reporting requirements: ____

COMMENTS: Nonconformance memo - samples not cold to 4°

SAMPLE RECEIPT REPORT

Samples OK	Y	N
Temp 4 C Min	Y	N 10°
Custody Seals, Intact	Y	N
Head Space in VOAs	Y	N
pH adjusted, Describe	Y	N N/A

01115

Engineers, Geologists, Chemists, Water Planners, Hygienists and Environmental Scientists

Raba-Kistner
Consultants, Inc.

12821 W. Golden Lane
P.O. Box 690287, San Antonio, TX 78269-0287
(210) 699-9090 FAX (210) 699-6426

Project No. ASB92-034-03
January 26, 1995

Mr. Rogelio Rivera, P.E.
City Engineer
City of Laredo
1110 Houston
P.O. Box 579
Laredo, Texas 78042

Re: Annual Ground Water Monitoring Report - December 1994
Airport Fuel Farm
518 Flightline, Laredo (Webb County), Texas
LPST ID No. 95021

Dear Mr. Rivera:

Enclosed is the Annual Ground Water Monitoring Report at the above-referenced site. This report is in the format requested by the Texas Natural Resources Conservation Commission (TNRCC). This report summarizes the semi-annual monitoring event of July 1994, and the annual monitoring event performed in December 1994.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please do not hesitate to call.

Very truly yours,

RABA-KISTNER CONSULTANTS, INC.

Kevin L. Wooster

Kevin L. Wooster, R.G., C.P.G.
Hydrogeologist
(CAPM 00406)

KLW/BDW/bk
Copies Submitted: Above (4)

Attachment

01117

Project No. ASB92-034-03
January 26, 1995

TABLE OF CONTENTS

ILLUSTRATIONS

APPENDICES

1.0 REPORT SUMMARY

This report summarizes the two ground water monitoring events that have been conducted at the Airport Fuel Farm in Laredo, Texas. The ground water monitoring events occurred in July and December of 1994.

Light non-aqueous phase liquid (LNAPL) hydrocarbons have been noted in recovery wells RW-5, RW-6, and in MW-2, and therefore these wells were not sampled during either monitoring event. During these two monitoring events, up-gradient monitoring well MW-4, cross gradient wells MW-3 and MW-10, and downgradient wells MW-1, MW-7, and MW-8 were sampled.

Total petroleum hydrocarbon (TPH) levels for monitoring well MW-1 fluctuated from 3 up to 17 mg/L. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) contaminant levels for MW-1 ranged from 8.15 to 10.03 mg/L. TPH levels for MW-10 were measured at 4.6 mg/L in July, however, the liter bottle was broken during the December sampling event and no TPH data is available for this well. BTEX contaminant levels for MW-10 ranged from not detected in July to 12.52 mg/L in December 1994.

Hydrocarbon concentrations in monitoring wells MW-3, MW-7 and MW-8 ranged from nondetectable to less than 1 mg/L TPH, and up to 0.004 mg/L BTEX.

No BTEX was detected in MW-4 during the July sampling event. TPH concentrations were measured at 0.36 mg/l. During the shipment of the December samples for MW-4, the containers were broken, therefore no results are available.

2.0 CHRONOLOGY OF EVENTS

DATE	R-KCI ACTIVITY
Aug 11, 1992	Ground water in six existing monitoring wells was measured, purged, and sampled.
Aug 17-18, 1992	Additional monitoring wells (MW-7, MW-8, MW-9, and MW-10) were installed.
Aug 19, 1992	Fluid levels were gauged in all ten wells before development of the four new wells. The new wells were then developed and sampled. A sample of Jet A fuel was obtained for fuel fingerprint analysis.
Aug 28, 1992	August Quarterly Status Report submitted to the TWC.
Oct 8, 1992	Non-beneficial use (NBU) PSTs currently under the jurisdiction of the U.S. Army Corps of Engineers (COE) were assigned a LPST identification number, 104866.
Oct 13, 1992	Fluid levels were gauged in all ten wells. Seven wells not

	containing light non-aqueous phase liquid (LNAPL) were purged and sampled. A sample of C-2 Avgas was obtained for fuel fingerprint analysis.
Nov 18, 1992	Pre-construction meeting held by the COE regarding the removal of the NBUs.
Nov 19, 1992	Meeting between the COE and the City of Laredo to discuss coordinating future activities at the Airport Fuel Farm site.
Jan 13, 1993	Fluid levels were gauged in all ten wells. Seven wells not containing LNAPL were purged and sampled.
Jan 1993	COE initiated NBU removal operations at site. Monitoring well MW-9 destroyed during removal operations.
Feb 2, 1993	Aquifer testing (slug test) on MW-4 and MW-7.
Apr 14, 1993	Fluid were gauged in all nine wells. Six wells not containing LNAPL were purged and sampled; report submitted.
Jul 14, 1994	Fluid levels were gauged in all nine wells. Six wells not containing LNAPL were purged and sampled; report submitted.
Dec 7, 1994	Fluid levels were gauged in all nine wells. Six wells not containing LNAPL were purged and sampled. Samples from five wells were analyzed for BTEX and TPH; report submitted herein.

3.0 TEXT

3.1 GROUND WATER CONTAMINATION ASSESSMENT

During the July and December monitoring events, ground water contamination was detected in monitoring wells MW-1, MW-3, MW-4, and MW-10. Total petroleum hydrocarbon (TPH) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) constituents were detected in samples collected. A summary of analytical results is presented on Plate 1. Copies of laboratory Reports of Analysis and Chain-of-Custody forms are provided in Appendix A.

Recovery wells RW-5 and RW-6 and monitoring well MW-2 were checked weekly for light non-aqueous phase liquid (LNAPL) hydrocarbons by Laredo Airport personnel. During these two monitoring events, LNAPL hydrocarbons were noted in recovery wells RW-5, RW-6, and in MW-2, and therefore these wells were not sampled during either monitoring event. A summary of fluid level measurements is presented on Plate 2.

The direction of ground water flow has been generally toward the southwest as measured during previous monitoring events. Water table elevation maps for the two events are presented on

Plates 3a and 3b.

3.1.1 July 1994

Fluid levels were gauged in nine monitoring and recovery wells on July 14, 1994. These wells were monitored with an interface probe and a disposable bailer to check for the presence of LNAPL. After gauging fluid levels, the wells were purged and ground water samples were collected with disposable bailers. Three well volumes were purged from each well prior to sampling, and the purged water was collected and stored on site in drums. Copies of the waste manifests are provided in Appendix B.

LNAPL was detected in MW-2, RW-5, and RW-6 during the January 13, 1993, monitoring event. Approximately 0.02 ft of LNAPL was measured in each of these wells. These amounts were measured in well casings and are considerably higher than actual formation LNAPL thickness due to capillary forces. Airport personnel have been measuring fluid levels daily by use of tape with paste. Records of these measurements are provided in Appendix B. No significant recovery of LNAPL hydrocarbons has been achieved.

The direction of ground water flow for this monitoring event is to the southwest at a gradient of about 0.013 ft/ft.

TPH concentrations for monitoring well MW-1 were measured at 3 mg/L, and BTEX concentrations were measured at 8.15 mg/L. TPH and BTEX concentrations for MW-10 were measured at 4.6 mg/L and not detected, respectively.

Hydrocarbon concentrations in monitoring wells MW-3, MW-7 and MW-8, ranged from nondetectable to 3 mg/L TPH, and up to 0.02 mg/L BTEX. No BTEX was detected in MW-4, while 0.36 mg/L TPH was detected. The concentrations of BTEX and TPH in ground water for both monitoring events are presented on Plates 4a through 4d.

3.1.2 December 1994

Fluid levels were gauged in nine monitoring and recovery wells on December 7, 1994. These wells were monitored with an interface probe and a disposable bailer to check for the presence of LNAPL. After gauging fluid levels, the wells were purged and ground water samples were collected with disposable bailers. Three well volumes were purged from each well prior to sampling and collected for disposal. Approximately 112 gal of purged water was disposed of locally at Movac Service Company. Copies of the waste manifests are provided in Appendix B.

LNAPL hydrocarbon thicknesses measured in MW-2, RW-5 and RW-6 well casings were 0.26 ft, 0.12 ft and 0.5 ft, respectively.

The direction of ground water flow for this event is to the southwest at a gradient of about 0.0127 ft/ft.

Total petroleum hydrocarbon concentrations for monitoring well MW-1 increased from 3 up to

17 mg/L and BTEX concentrations increased from 8.15 to 10.03 mg/L. No TPH analysis was performed for MW-10 due to a broken container, so no recent TPH data are available for this well. BTEX concentrations for MW-10 increased from not detected in July to 12.52 mg/L in December 1994.

Hydrocarbon concentrations for monitoring wells MW-3, MW-7 and MW-8 ranged from nondetectable to less than 1 mg/L TPH, and up to than 0.004 mg/L BTEX. Both sample containers for MW-4 were broken during shipment and no recent BTEX or TPH data are available for this well. This well has historically contained low contaminant levels, on the same order of magnitude as the Plan A cleanup criteria.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

- Based on ground water level measurements conducted during these two events, the direction of ground water flow is to the southwest at a gradient of about 0.01 ft/ft.
- Based on fluid level measurements, LNAPL hydrocarbons continue to be detected in MW-3, RW-5, and RW-6; LNAPL thicknesses fluctuate, but continue to remain small in magnitude.
- Evidence of off-site migration has not been detected, although down-gradient wells have detected low TPH levels; these levels are stable and are less than 0.5 mg/L. (Plan A cleanup criteria)
- Cross-gradient well MW-3 contains levels of BTEX below Plan A ground water clean-up criteria.
- The contaminant plume currently encompasses wells MW-2, RW-5, RW-6, and MW-10.
- The accuracy of LNAPL measurement by Airport personnel is decreasing with time, due to small product amounts in wells. It is now probably more effective to remove LNAPL with a passive recovery system (Petrotrap-type device).

4.2 RECOMMENDATIONS

- Continue semi-annual ground water monitoring at the site.
- Install up to three Petrotrap passive recovery devices in well MW-2, RW-5, and RW-6.
- Monitor the Petrotrap(s) weekly or as needed to empty/adjust for maximum recovery.

- Continue to document recovery rates and amounts between monitoring events.
- Coordinate with U.S. Army Corps of Engineers (COE) to facilitate conjunctive site remedial action.

5.0 QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

A copy of R-KCI's standard field and laboratory methods is provided in Appendix C.

The trip blank analyzed during the December 1994 event showed concentrations of benzene and total xylenes of 0.2 and 0.16 respectively. These levels are possibly due to field contamination during transport or sample collection, or from laboratory cross-contamination. The next sample event will include more trip blanks and duplicates/splits to isolate any potential future problems.

ILLUSTRATIONS

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

01/23/95

FILE NAME: -3WATER.WQ1

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-1	07/25/90	PAL	4.0	0.730	0.200	0.530	5.46	<0.01	13	
	12/11/91	PAL	3.056	0.531	0.143	0.446	4.176	<0.01	13.8	
	05/27/92	PAL	4.853	0.687	0.277	0.703	6.52	1.494	1.98	
	08/11/92	R-KCI	12	1.5	0.38	0.89	14.77		44	
	10/13/92	R-KCI	11	1.3	<0.5***	<0.5***	12.3		6	
	01/13/93	R-KCI	2.7	0.33	<0.12***	<0.12***	3.03		4	
	04/15/93	R-KCI	1.2	0.1	0.07	0.05	1.42		1	
	07/14/94	CHEM	7.5	0.65	<0.25***	<0.75***	8.15		3	
	12/07/94	CHEM	8.5	0.81	0.18	0.54	10.03	<1	17	
MW-2	12/11/91	PAL	0.329	0.271	0.205	0.516	1.321	<0.01	214	
	05/27/92	PAL	0.698	0.361	0.281	0.662	2.002	0.890	29.6	
	08/11/92	R-KCI	0.33	0.26	0.16	0.39	1.14		53	
	10/13/92		****	****	****	****	****	****	****	****
	04/15/93		****	****	****	****	****	****	****	****
	07/14/94		****	****	****	****	****	****	****	****
	12/07/94		****	****	****	****	****	****	****	****
MW-3	07/25/90	PAL	0.860	0.082	0.190	0.280	1.412	<0.01	<10	
	12/11/91	PAL	0.010	0.018	<0.01	0.013	0.041	0.049	3.3	
	05/27/92	PAL	0.480	<0.01	0.028	<0.01	0.508	0.026	1.38	
	08/11/92	R-KCI	0.38	0.31	0.20	0.51	1.4		6	
	10/13/92	R-KCI	0.085	<0.005	0.048	<0.005	0.133		6	
	01/13/93	R-KCI	0.020	<0.005	<0.005	<0.005	0.020		2	
	04/15/93	R-KCI	0.02	<0.005	<0.005	<0.005	0.02		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		3.4	
	12/07/94	CHEM	<0.001	0.0041	0.0016	0.0016	0.0073	<0.01	<0.2	

* R-KCI = RABA-KISTNER CONSULTANTS, INC.
PAL = PAN AMERICAN LABORATORIES, INC.
CHEM = CHEMSOLVE

** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES. MTBE WAS NOT DETECTED VIA GC/MS CONFIRMATION ANALYSIS.

*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

PROJECT No. ASB92-034-03

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

01/23/95

FILE NAME: -3WATER.WQ1

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY*	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-4	07/25/90	PAL	<0.01	<0.01	<0.01	<0.01	—	<0.01	<10	
	12/11/91	PAL								3.510
	05/27/92	PAL	<0.01	<0.01	<0.01	<0.01	—	0.803	<10	
	08/11/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	10/13/92	R-KCI	0.006	0.015	0.006	0.020	0.047		<1	
	01/13/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	04/15/93	R-KCI	0.029	0.01	<0.005	<0.005	0.039		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		0.36	
	12/07/94									
MW-7	08/19/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—	<0.005	<1	
	10/13/92	R-KCI	0.12	0.054	0.011	0.036	0.221		<1	
	01/13/93	R-KCI	0.032	0.006	0.008	<0.005	0.046		<1	
	04/15/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		0.72	
	12/07/94	CHEM	<0.001	<0.001	<0.001	<0.001	—	<0.01	0.33	
MW-8	08/19/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—	<0.005	<1	
	10/13/92	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	01/13/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	04/15/93	R-KCI	<0.005	<0.005	<0.005	<0.005	—		<1	
	12/07/94	CHEM	<0.001	<0.001	<0.001	<0.001	—	<0.01	0.33	
MW-9	08/19/92	R-KCI	5.4	2.5	0.73	1.8	10.43	<0.13**	12	
	10/13/92	R-KCI	4.8	1.8	0.36	0.9	7.86		6	
	01/13/93	R-KCI	3.0	<0.25***	0.30	<0.25***	3.30		6	

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*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -3WATER.WQ1

01/23/95

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)
MW-10	08/19/92	R-KCI	3.4	0.78	0.24	0.26	4.68	<0.05**	4	
	10/13/92	R-KCI	6.2	1.7	0.31	0.98	9.19		14	
	01/13/93	R-KCI	6.6	2.0	<0.5***	1.1	9.70		31	
	04/15/93	R-KCI	8.6	1.8	<2.0**	<2.0**	10.4		7	
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		4.6	
	12/07/94	CHEM	7.4	2	0.42	2.7	12.52	<1		
TRIP BLANK (MW-40)	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		2.2	
(MW-1A)	12/07/94	CHEM	0.22	<0.1	<0.1	0.16	0.38	<1	<0.2	

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*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

**** NOT SAMPLED - CONTAINED FREE PRODUCT

NOTES:

(1) MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

(2) A TRIP BLANK WAS SUBMITTED AS A BLIND SAMPLE. THE SAMPLE DESIGNATION GIVEN IN PARENTHESES IS THE DESIGNATION USED ON THE LABORATORY REPORTS OF ANALYSIS.

(3) SAMPLES TAKEN ON 12/07/94 FOR MW-4 (BTEX AND TPH) AND MW-10 (TPH ONLY) WERE NOT ANALYZED. SAMPLE CONTAINERS WERE BROKEN DURING SHIPPING.

SUMMARY OF FLUID LEVEL MEASUREMENTS

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

01/23/95

FILE NAME: -3WTLVL.WQ1

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-1	12/07/91	485.43	8.32	477.11		
	06/13/92		7.27	478.16		
	08/11/92		7.88	477.55		
	08/19/92		7.80	477.63		
	10/13/92		8.27	477.16		
	01/13/93		8.50	476.93		
	04/15/93		8.16	477.27		
	07/14/94		8.00	477.43		
	12/07/94		8.59	476.84		
MW-2	12/07/91	487.26	10.11	477.15		
	06/13/92		8.91	478.35		
	08/11/92		9.52	477.74		
	08/19/92		9.51	477.75		
	10/13/92		10.10	477.16		
	01/13/93		10.97	476.29		
	04/15/93		10.68	476.58		
	07/14/94		10.30	476.96	10.28	0.02
	12/07/94		10.88	476.38	10.62	0.26
MW-3	12/07/91	487.19	10.18	477.01		
	06/13/92		8.93	478.26		
	08/11/92		9.52	477.67		
	08/19/92		9.52	477.67		
	10/13/92		10.20	476.99		
	01/13/93		11.45	475.74		
	04/15/93		11.05	476.14		
	07/14/94		9.00	478.19		
	12/07/94		10.63	476.56		

PROJECT No. ASB92-034-03

SUMMARY OF FLUID LEVEL MEASUREMENTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -3WTLVL.WQ1

01/23/95

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-4	12/07/91	487.84	7.66	480.18		
	06/13/92		7.77	480.07		
	08/11/92		7.58	480.26		
	08/19/92		7.56	480.28		
	10/13/92		7.78	480.06		
	01/13/93		7.85	479.99		
	04/15/93		7.90	479.94		
	07/14/94		7.50	480.34		
	12/07/94		7.63	480.21		
RW-5	12/07/91	488.60	11.60	477.00		
	06/13/92		8.39	480.21		
	08/11/92		10.20	478.40		
	08/19/92		10.14	478.46		
	10/13/92		10.52	478.08		
	01/13/93		11.96	476.64		
	04/15/93		11.68	476.92		
	07/14/94		11.10	477.50	11.08	0.02
	12/07/94		11.81	476.79	11.31	0.50
RW-6	12/07/91	488.78	9.96	478.82		
	06/13/92		8.70	480.08		
	08/11/92		8.63	480.15		
	08/19/92		8.88	479.90		
	10/13/92		9.03	479.75		
	01/13/93		8.95	479.83		
	04/15/93		10.18	478.60		
	07/14/94		9.30	479.48	9.28	0.02
	12/07/94		9.57	479.21	9.45	0.12

SUMMARY OF FLUID LEVEL MEASUREMENTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -3WTLVL.WQ1

01/23/95

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-7	12/07/91	485.24				
	06/13/92					
	08/11/92					
	08/19/92		9.80	475.44		
	10/13/92		10.25	474.99		
	01/13/93		9.62	475.62		
	04/15/93		9.07	476.17		
	07/14/94		8.80	476.44		
	12/07/94		10.15	475.09		
MW-8	12/07/91	484.27				
	06/13/92					
	08/11/92					
	08/19/92		8.16	476.11		
	10/13/92		10.19	474.08		
	01/13/93		7.60	476.67		
	04/15/93		7.76	476.51		
	07/14/94		8.80	475.47		
	12/07/94		8.38	475.89		
MW-9	12/07/91	487.17				
	06/13/92					
	08/11/92					
	08/19/92		7.16	480.01		
	10/13/92		7.90	479.27		
	01/13/93		8.25	478.92		

NOTE: MONITORING WELL MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

SUMMARY OF FLUID LEVEL MEASUREMENTS

PROJECT NAME: LAREDO AIRPORT

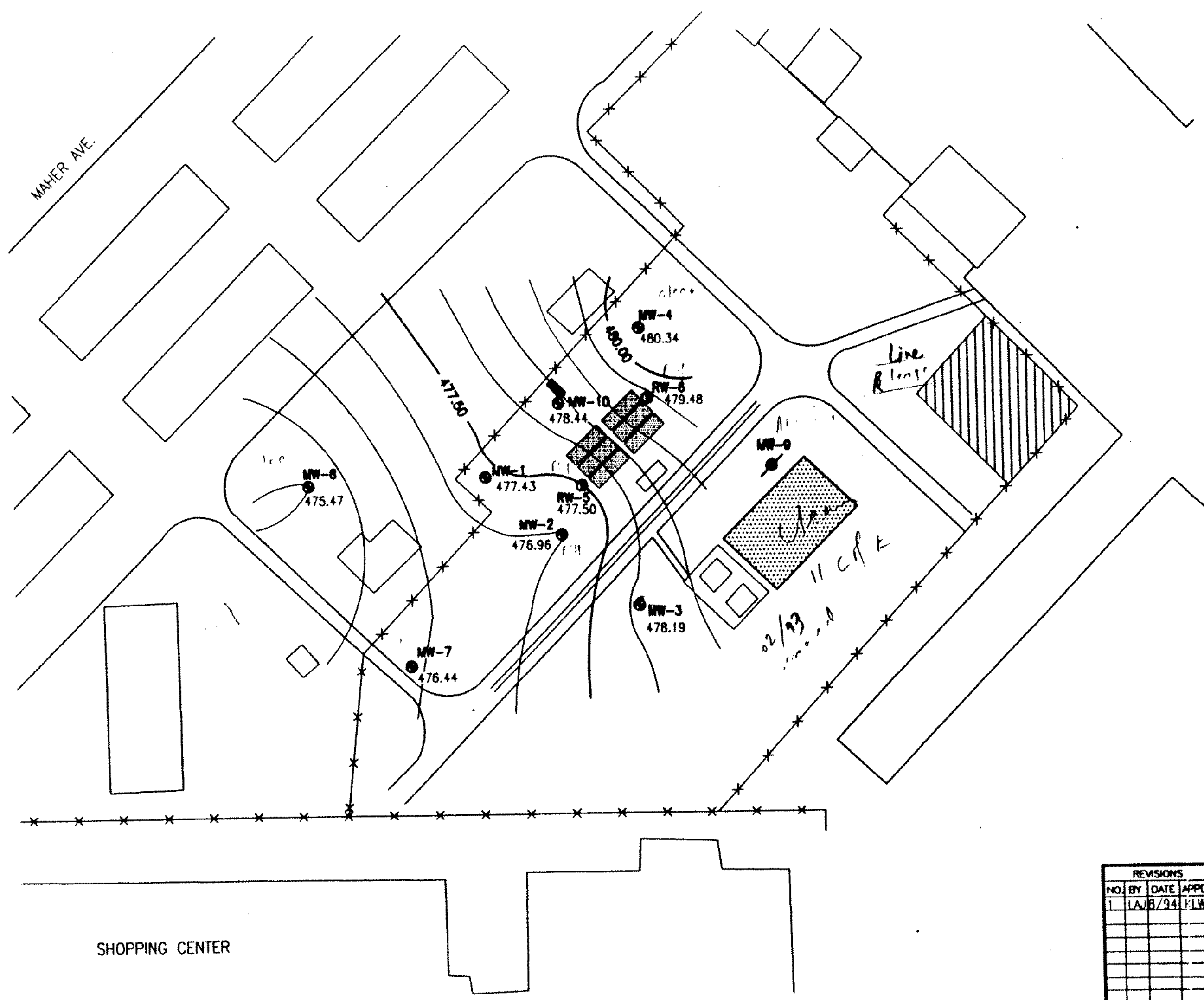
PROJECT LOCATION: LAREDO, TEXAS

01/23/95

FILE NAME: -3WTLVL.WQ1

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-10	12/07/91	487.34				
	06/13/92					
	08/11/92					
	08/19/92		8.25	479.09		
	10/13/92		8.85	478.49		
	01/13/93		9.84	477.50		
	04/15/93		9.43	477.91		
	07/14/94		8.90	478.44		
	12/07/94		9.17	478.17		

PROJECT No. ASB92-034-03



LEGEND

- MONITORING WELL, ABANDONED
- MONITORING WELL
- RECOVERY WELL
- BENEFICIAL USE PST
- OIL/WATER SEPARATOR
- BUILDING
- FENCE
- NON-BENEFICIAL USE FUEL PST TANKHOLD
- BARKER AVIATION BENEFICIAL USE PST TANK AREA
- 480.00 CONTOUR OF WATER TABLE ELEVATION, IN FEET ABOVE SEA LEVEL. CONTOUR INVTERVAL = 0.5 FT. VALUES ARE POSTED AT SAMPLING STATIONS.

I & HW

03WTEM01

NO.	BY	DATE	APPD
1	LAJ	8/94	KLW

REVISIONS

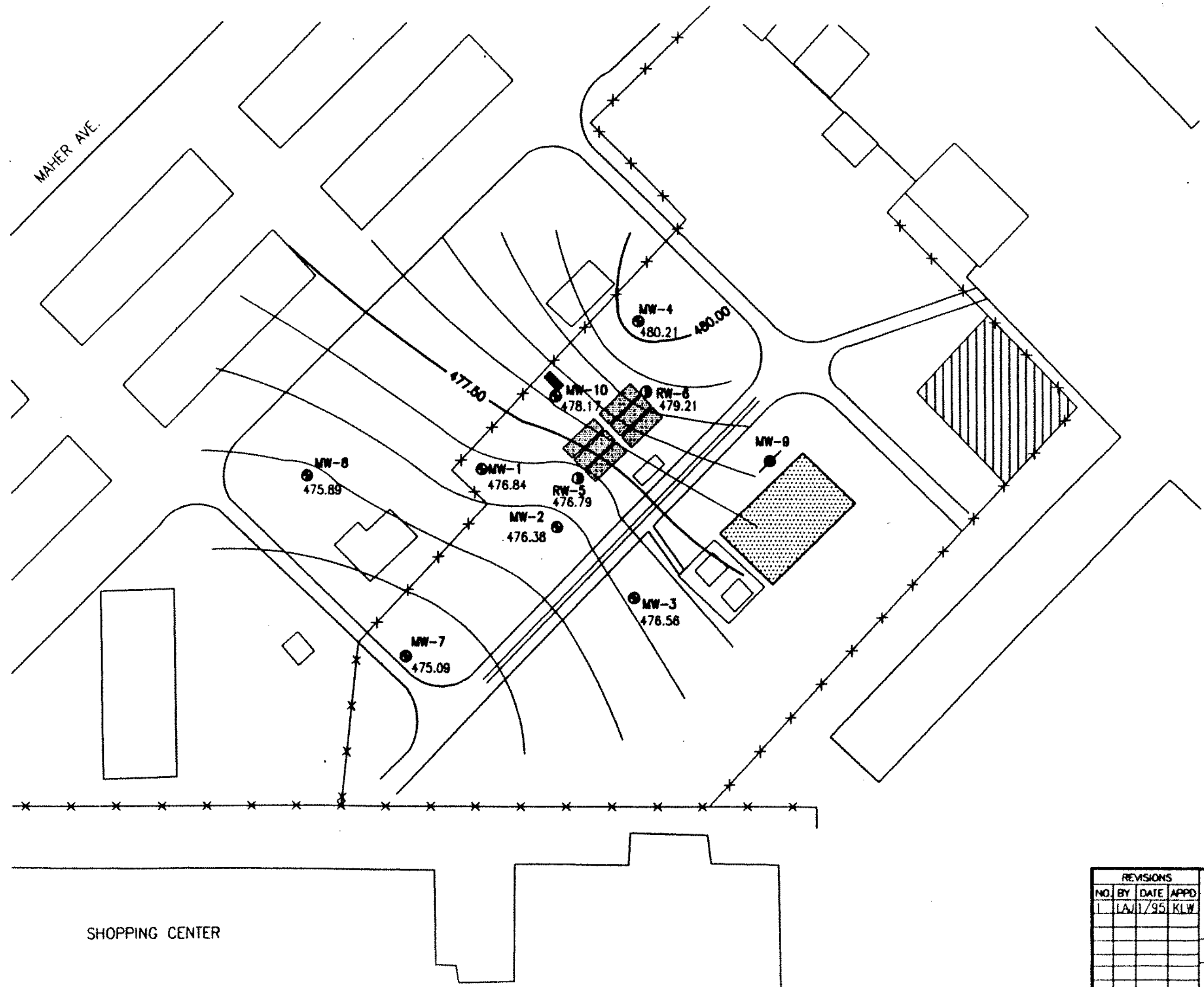
Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

WATER TABLE ELEVATION MAP 07/14/94
LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: ASB02-034-03 PLATE 3a
DRAWN BY: FY CHK. BY: KLW APPD.: KLW DATE: 8/25/92

01132



LEGEND

- MONITORING WELL, ABANDONED
- MONITORING WELL
- RECOVERY WELL
- BENEFICIAL USE PST
- OIL/WATER SEPARATOR
- BUILDING
- FENCE
- NON-BENEFICIAL USE FUEL PST TANKHOLD
- BARKER AVIATION BENEFICIAL USE PST TANK AREA
- 480.00 CONTOUR OF WATER TABLE ELEVATION, IN FEET ABOVE SEA LEVEL. CONTOUR INVTERVAL = 0.5 FT. VALUES ARE POSTED AT SAMPLING STATIONS.

O3WTEM02

REVISIONS			
NO.	BY	DATE	APPD
1	LAJ	1/95	KLW

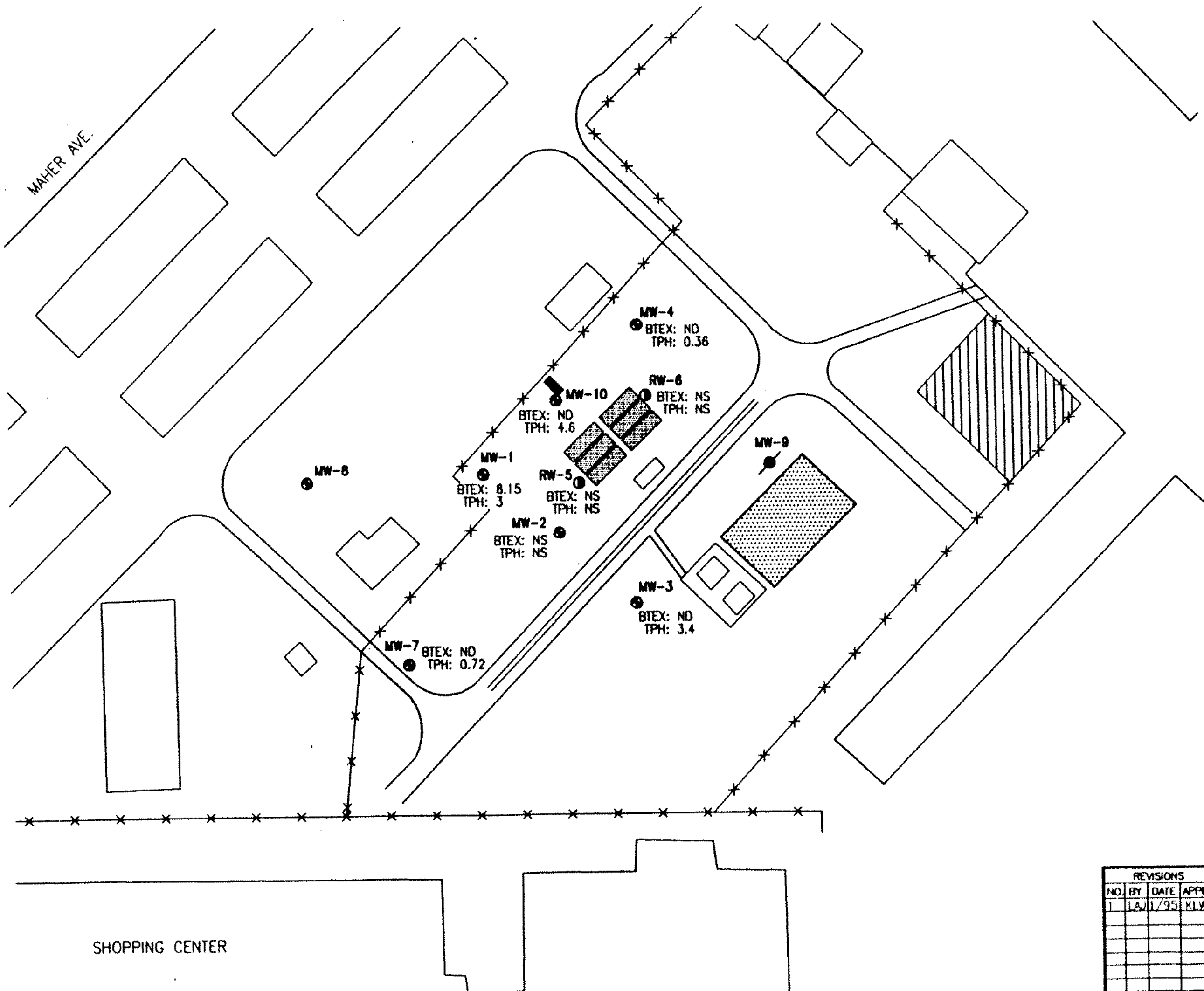
Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

WATER TABLE ELEVATION MAP 12/07/94
LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: ASB92-034-03 PLATE 3b
DRAWN BY: FY CHK. BY: KLW APPD.: KLW DATE: 8/25/92

01133



LEGEND

- MONITORING WELL, ABANDONED
- MONITORING WELL
- RECOVERY WELL
- BENEFICIAL USE PST
- OIL/WATER SEPARATOR
- BUILDING
- FENCE
- NON-BENEFICIAL USE FUEL PST TANKHOLD
- BARKER AVIATION BENEFICIAL USE PST TANK AREA
- ND NOT DETECTED
- NS NOT SAMPLED - CONTAINED FREE PRODUCT

REVISIONS			
NO.	BY	DATE	APPD
1	LAJ	1/95	KLW

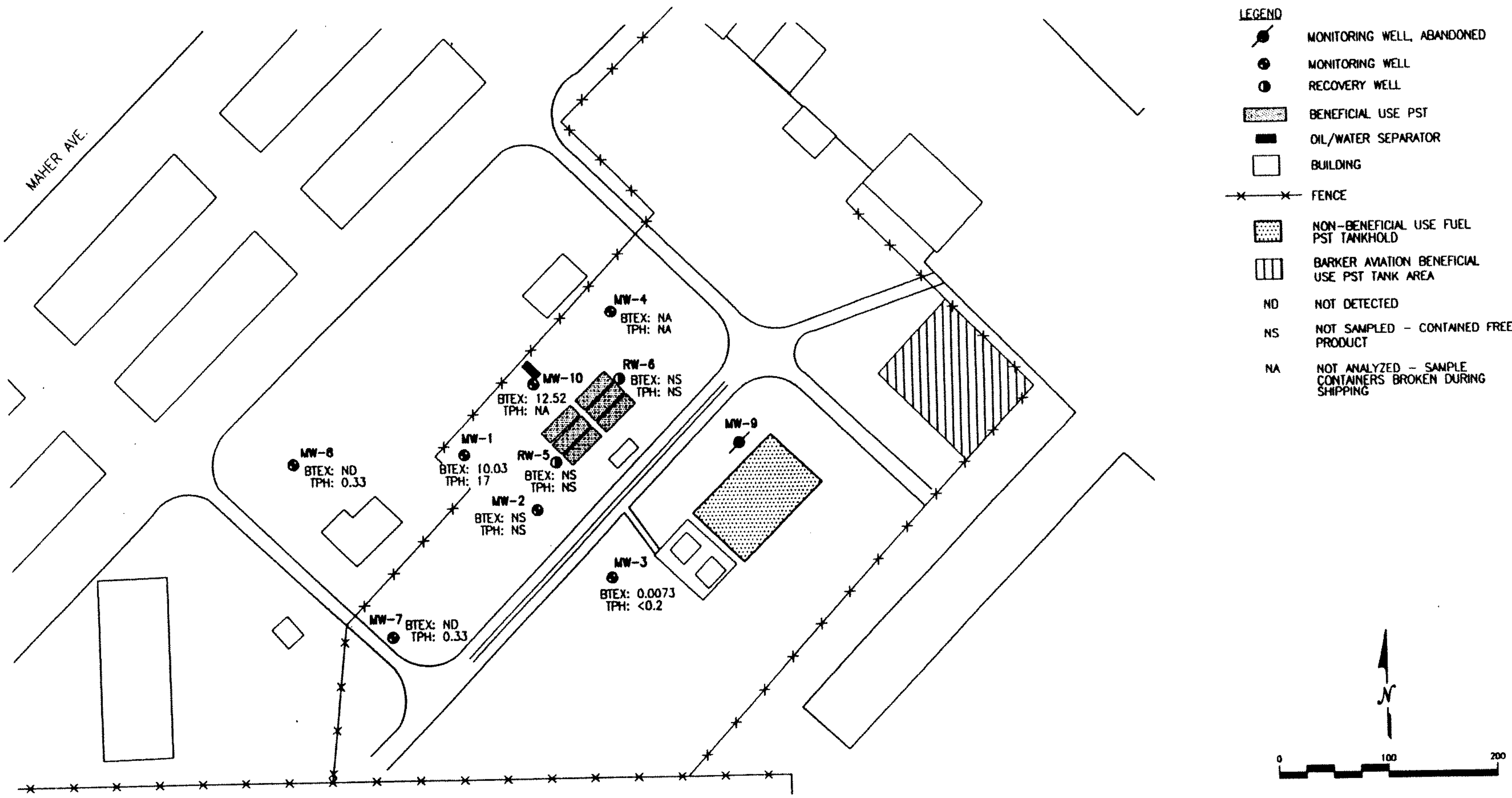
038TEX01

Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

BTEX AND TPH CONCENTRATIONS IN GROUND WATER 07/14/94 - LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: AS802-034-03 PLATE 4a
DRAWN BY: FY CHK. BY: KLW APPD.: KLW DATE: 8/25/92



REVISIONS			
NO.	BY	DATE	APPD
1	LAJ	1/95	KLW

038TEX02

Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

BTEX AND TPH CONCENTRATIONS IN GROUND WATER 12/07/94 - LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: AS892-034-03 PLATE 4b
DRAWN BY: FY CHK. BY: KLW APPD.: KLW DATE: 8/25/92

01135

APPENDIX A

GROUND WATER CONTAMINATION ASSESSMENT

Laboratory Reports of Analysis (Ground Water)
Chain-of-Custody Forms (Ground Water)

Report of Analysis

Consulting Geotechnical, Materials and Environmental Engineers
Geologists, Scientists and Chemists

Raba-Kistner
Consultants, Inc.

P.O. Box 690287, San Antonio, TX 78269-0287
12821 W. Golden Lane, San Antonio, TX 78249
(210) 699-9090

To: Laredo Airport
c/o R-KCI

Attn: Kevin Wooster

Project No: ASB92-034-03
Task No: 2000
Assignment No: 7063
Contract/P.O. No:
Date Received: 07-14-94
Page 1 **of** 3 **Date:** 07-25-94

Sample Type/Sample Loc: Water / Laredo Airport
Date Collected: 07-13-94
Date Completed: 07-25-94
Collected By: R-KCI

TEST METHODS:

TEST	PREPARATION / DATE	ANALYSIS / DATE
BTEX	5030 / 07-14-94	8020 / 07-14-94
TPH	418.1 / 07-14-94	418.1 / 07-22-94

By [signature]
Gang Sun, Ph.D.
QA/QC Officer

San Antonio / El Paso / Austin

Project No: ASB92-034-03
Assignment No: 7063
Page 2 **of** 3

Analyte	**Detection Limit (mg/L)**	7063-1 (MW-3) **(mg/L)**	7063-2 (MW-4) **(mg/L)**	7063-3 (MW-40 Trip Blank) **(mg/L)**
Benzene	0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005
Total Xylenes	0.015	<0.015	<0.015	<0.015

Analyte	**Detection Limit (mg/L)**	7063-5 (MW-7) **(mg/L)**	7063-6 (MW-10) **(mg/L)**
Benzene	0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005
Total Xylenes	0.015	<0.015	<0.015

Analyte	**Detection Limit (mg/L)**	7063-4* (MW-1) **(mg/L)**
Benzene	0.25	7.5
Toluene	0.25	0.65
Ethylbenzene	0.25	<0.25
Total Xylenes	0.75	<0.75

* Elevated detection limits on sample 7063-4 were due to dilution factor.

Project No: ASB92-034-03
Assignment No: 7063

Analyte	**Detection Limit (mg/L)**	7063-1 (MW-3) **(mg/L)**	7063-2 (MW-4) **(mg/L)**	7063-3 (MW-40 Trip Blank) **(mg/L)**
TPH	0.2	3.4	0.36	2.2

Analyte	**Detection Limit (mg/L)**	7063-4 (MW-1) **(mg/L)**	7063-5 (MW-7) **(mg/L)**	7063-6 (MW-10) **(mg/L)**
TPH	0.2	3	0.72	4.6

Note: All analyses were performed by a R-KCI approved subcontract laboratory.

RABA-K–TNER CONSULTANTS, INC. - CHEMISTRY LAB
21 W. Golden Lane • San Antonio, Texas 78249
FAX: (210) 699-8702
Phone: (210) 699-9090
Report Results / Sample Custodian - Ext. 168

Chain of Custody Record and Analysis Request

NOTE: PROJECT APPROVAL AND PROJECT SETUP MUST BE COMPLETE PRIOR TO INITIATION OF ANALYSIS.

7063

Company Name: LAREDO AIRPORT
Address:
ph #:
fax #:
Site Location: LAREDO AIRPORT
Project Number: A5B92-034-03
Task Number: 2000
Report Results to: KEVIN WOOSTER

R-KCI #	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	AMOUNT SAMPLED	MATRIX: WATER	AIR	SOIL	SLUDGE	OTHER	PRESERV. pH/TEMP: ACID	ICE	NONE	OTHER	BTEX	BTEX/MTBE	TPH/418.1	TVH	TCLP 8 METALS	TCLP VOC	TCLP BNA
1	MW-3	7-13	AM	1-LITER 2-VOA	↓					↓	↓			↓		↓				
2	MW-4	↓	AM	"	↓					↓	↓			↓		↓				
3	MW-40 (TRIP BLANK)	↓	PM	"	↓					↓	↓			↓		↓				
4	MW-1	↓	PM	"	↓					↓	↓			↓		↓				
5	MW-7	↓	PM	"	↓					↓	↓			↓		↓				
6	MW-10		PM	"	↓					↓	↓			↓		↓				

CUSTODY RECORD

Relinquished by:	Date:	Time:	Received by:
[signature]	7-14-44	9:00AM	[signature]

SPECIAL HANDLING
Emerg 24 hr ____
Emerg 72 hr ____
Rush 7 days ____
Normal 14 days ____
OTHER ____ # bus. days
FAX ____

SPECIFY
Special detection limits: ____
Special reporting requirements: ____

SAMPLE RECEIPT REPORT

Samples OK	Y	N
Temp 4 C Min	Y	N 10°
Custody Seals, Intact	Y	N
Head Space in VOAs	Y	N N/A
pH adjusted, Describe	Y	N

COMMENTS: Nonconformance memo – samples not cold to 4°

01140

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11188

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576

Matrix: water

Sample: MW-8

Date/Time Taken: 12/7/94

Date/Time Rec'd: 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	0.33	mg/L	0.2	418.1	12/15/94	17:35	FLM
Benzene	<1	µg/L	1	8020	12/9/94	12:50	FM
Ethylbenzene	<1	µg/L	1	8020	12/9/94	12:50	FM
m,p-Xylenes	<1	µg/L	1	8020	12/9/94	12:50	FM
MTBE	<10	µg/L	10	8020	12/9/94	12:50	FM
o-Xylene	<1	µg/L	1	8020	12/9/94	12:50	FM
Toluene	<1	µg/L	1	8020	12/9/94	12:50	FM

Respectfully submitted,

Mark C. Krause, FAIC

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576 **Report #:** 11188
Sample: MW-8

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	108	71-123
Fluorobenzene	8020	87	68-118

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11189

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576
Sample: MW-7
Matrix: water
Date/Time Taken: 12/7/94
Date/Time Rec'd: 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	0.33	mg/L	0.2	418.1	12/15/94	17:40	FLM
Benzene	<1	µg/L	1	8020	12/9/94	18:19	FLM
Ethylbenzene	<1	µg/L	1	8020	12/9/94	18:19	FLM
m,p-Xylenes	<1	µg/L	1	8020	12/9/94	18:19	FLM
MTBE	<10	µg/L	10	8020	12/9/94	18:19	FLM
o-Xylene	<1	µg/L	1	8020	12/9/94	18:19	FLM
Toluene	<1	µg/L	1	8020	12/9/94	18:19	FLM

Respectfully submitted,

Mark C. Krause, FAIC

01143

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576 **Report #:** 11189
Sample: MW-7

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	103	71-123
Fluorobenzene	8020	85	68-118

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11190

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576
Matrix: water
Sample: MW-3
Date/Time Taken: 12/7/94
Date/Time Rec'd: 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time Run		By
Petroleum hydrocarbons	<0.2	mg/L	0.2	418.1	12/15/94	17:40	FLM
Benzene	<1	µg/L	1	8020	12/9/94	18:36	FLM
Ethylbenzene	1.6	µg/L	1	8020	12/9/94	18:36	FLM
m,p-Xylenes	1.6	µg/L	1	8020	12/9/94	18:36	FLM
MTBE	<10	µg/L	10	8020	12/9/94	18:36	FLM
o-Xylene	<1	µg/L	1	8020	12/9/94	18:36	FLM
Toluene	4.1	µg/L	1	8020	12/9/94	18:36	FLM

Respectfully submitted,

Mark C. Krause, FAIC

01145

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576 **Report #:** 11190
Sample: MW-3

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	96	71-123
Fluorobenzene	8020	115	68-118

01146

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11191

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576
Sample: MW-1
Matrix: water
Date/Time Taken: 12/7/94
Date/Time Rec'd: 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	17	mg/L	0.2	418.1	12/15/94	17:40	FLM
Benzene	8500	µg/L	100	8020	12/9/94	18:54	FLM
Ethylbenzene	180	µg/L	100	8020	12/9/94	18:54	FLM
m,p-Xylenes	270	µg/L	100	8020	12/9/94	18:54	FLM
MTBE	<1000	µg/L	1000	8020	12/9/94	18:54	FLM
o-Xylene	270	µg/L	100	8020	12/9/94	18:54	FLM
Toluene	810	µg/L	100	8020	12/9/94	18:54	FLM

Respectfully submitted,

Mark C. Krause, FAIC

01147

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576

Report #: 11191

Sample: MW-1

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	90	71-123
Fluorobenzene	8020	100	68-118

01148

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11192

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576

Matrix: water

Sample: MW-10

Date/Time Taken: 12/7/94 **Date/Time Rec'd:** 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Benzene	7400	µg/L	100	8020	12/9/94	19:11	FLM
Ethylbenzene	420	µg/L	100	8020	12/9/94	19:11	FLM
m,p-Xylenes	1500	µg/L	100	8020	12/9/94	19:11	FLM
MTBE	<1000	µg/L	1000	8020	12/9/94	19:11	FLM
o-Xylene	1200	µg/L	100	8020	12/9/94	19:11	FLM
Toluene	2000	µg/L	100	8020	12/9/94	19:11	FLM

Respectfully submitted,

Mark C. Krause, FAIC

01149

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576 **Report #:** 11192
Sample: MW-10

Report of Laboratory Quality Assurance

Parameter	Blank	Precision Limit	M.S.	M.S.D.	Limits

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	88	71-123
Fluorobenzene	8020	90	68-118

01150

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 11193

To: Roxanna Dye
Raba-Kistner Consultants, Inc.
P.O. Box 690287
San Antonio, TX 78269 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-03 Task 1000 COC 7576
Matrix: water
Sample: MW-1A
Date/Time Taken: 12/7/94
Date/Time Rec'd: 12/8/94 10:15

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	<0.2	mg/L	0.2	418.1	12/15/94	17:40	FLM
Benzene	220	µg/L	100	8020	12/9/94	19:27	FLM
Ethylbenzene	<100	µg/L	100	8020	12/9/94	19:27	FLM
m,p-Xylenes	160	µg/L	100	8020	12/9/94	19:27	FLM
MTBE	<1000	µg/L	1000	8020	12/9/94	19:27	FLM
o-Xylene	<100	µg/L	100	8020	12/9/94	19:27	FLM
Toluene	<100	µg/L	100	8020	12/9/94	19:27	FLM

Respectfully submitted,

Mark C. Krause, FAIC

01151

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-03 Task 1000 COC 7576 **Report #:** 11193
Sample: MW-1A

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Bromofluorobenzene	8020	96	71-123
Fluorobenzene	8020	82	68-118

01152

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

RABA [illegible]NER CONSULTANTS, INC. - CHEMISTRY LAB
[illegible]21 W. Golden Lane • San Antonio, Texas 78249
FAX: (210) 699-8702
Phone: (210) 699-9090
Report Results / Sample Custodian - Ext. 168

[illegible]hain of Custody Record and Analysis [illegible]uest

NOTE: PROJECT APPROVAL AND PROJECT SETUP MUST BE COMPLETE PRIOR TO INITIATION OF ANALYSIS.

7576

Company Name: City of Laredo Airport
Address: Laredo, Texas
Site Location: Laredo [illegible]
Project Number: ASB92 034-03
Task Number: 1000
ph #:
fax #:
Report Results to: Kevin Lancaster

R KCI #	SAMPLE ID	DATE	TIME	AMOUNT SAMPLED	WATER	AIR	SOIL	SLUDGE	OTHER	ACID	ICE	NONE	OTHER	BTEX	BTEX/MTBE	TPH/418.1	TVH	TCLP 8 METALS	TCLP VOC	TCLP BNA						
MW-5		12-7	AM	[illegible]	X					X	X			X		X					1188W					
MW-7		"	AM	"	X					X	X			X		X					1189W					
MW-3		"	PM	"	X					X	X			X		X					1190W					
MW-1		"	"	"	X					X	X			X		X					1191W					
MW-10	rec'd Broken MCC [illegible]	"	"	"	X					X	X			X		X					1192W					
MW-4	rec'd Broken MCC [illegible]	"	"	"	X					X	X			X		X										
MW-11		"	"	"	X					X	X			X		X					1193W					

CUSTODY RECORD

Received by:	Time:	Date:	Relinquished by:
Mary [illegible]	10:15	10/8/94	[illegible]

TURNAROUND TIME REQUESTED
RUSH 1 day ______
RUSH 2 day ______
RUSH 3 day ______
Normal 5-7 day 1
PROVIDE RESULTS BY: ______

SPECIFY
Special detection limits: ______
Special reporting requirements: ______

COMMENTS: ______

SAMPLE RECEIPT REPORT

Samples OK	Y	N
Temp 4 C Min	Y	N
Custody Seals, Intact	Y	N
Head Space in VOAs	Y	N
pH adjusted, Describe	Y	N

01153

APPENDIX B

WASTE MANAGEMENT AND DISPOSITION

Non-Hazardous Special Waste Manifest (Water)
Monitoring Reports by Airport Personnel

FT# 5882

№ 2844

0. 5-36718

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Authorized Agent Raba-Kistner Consultants, Inc Generating Location Laredo Airport

Address 12821 W. Golden Lane Address Laredo Texas

San Antonio, Tx 78239

Phone No. 210 - 6999090 Phone No. ___ - _______

Waste Code

Description of Waste	Quantity - Gallons
ground water obtained from monitering wells with slight hydro-carbon sheen	112

Waste Pulled From
- [ ] Open Hole
- [ ] Inside U.S.T.
- [ ] 55 Gal. Drums
- [ ] Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Dzierzanowski — Terry Dzierzanowski — 120894

or Authorized Agent - Print — Signature — Shipment Date

TRANSPORTER

E.P.A. - I.D. - TXD 006801360 TDWR/TDH - Transporter #40370

Truck No. Their Truck Phone No. 1-800-299-7745

Transporter Name ~~MOVAC ENVIRONMENTAL~~ RABBA KISTNER Driver Name (Print)

Address ~~P.O. BOX 4078~~ Vehicle License No./State

McAllen, TX 78502 Vehicle Certification

hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Shipment Date — Driver Signature — Delivery Date

DESTINATION

Site Name Movac Environmental Phone No. 210-6319121

Address 2721 S. McColl Edinburg Tx 78539

I certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Rolando Molina — Rolando Molina — 120894

Name of Authorized Agent - Print — Signature — Receipt Date

White - Original Blue - Home Office Green - Transporter Canary - Treating Facility Pink - Terminal Goldenrod - Generator's First Copy

01155

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
12-1-94	8:40	144	144	-0-		CHAVEZ SANTOS
12-2-94	8:35	144	144	-0-		CHAVEZ SANTOS
12-5-94	8:30	144	144	-0-		CHAVEZ SANTOS
12-6-94	8:40	144	144	-0-		CHAVEZ SANTOS
12-7-94	8:30	144	144	-0-		CHAVEZ SANTOS
12-8-94	8:25	144	144	-0-		CHAVEZ SANTOS
12-9-94	8:35	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:35	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:20	144	144	-0-		CHAVEZ SANTOS
[illegible]	[illegible]	144	144	-0-		CHAVEZ SANTOS
[illegible]	[illegible]	[illegible]	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:35	144	144	-0-		CHAVEZ SANTOS
[illegible]	[illegible]	144	144	-0-		CHAVEZ SANTOS
[illegible]	[illegible]	144	144	-0-		CHAVEZ SANTOS

01156

FUEL RECOVERY WELLS
LARDEDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
12-1-94	8:50	125	125	-0-		CHAVEZ SANTOS
12-2-94	8:45	125	125	-0-		CHAVEZ SANTOS
12-5-94	8:40	125	125	-0-		CHAVEZ SANTOS
12-6-94	8:50	125	125	-0-		CHAVEZ SANTOS
12-7-94	8:40	125	125	-0-		CHAVEZ SANTOS
12-8-94	8:35	125	125	-0-		CHAVEZ SANTOS
12-9-94	8:45	125	125	-0-		CHAVEZ SANTOS
12-12-94	8:50	125	125	-0-		CHAVEZ SANTOS
12-13-94	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:25	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:25	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS

01158

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
12-1-94	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:55	///	///	-0-		CHAVEZ SANTOS
12-5-94	8:50	///	///	-0-		CHAVEZ SANTOS
[illegible]	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
12-8-94	8:45	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:55	///	///	-0-		CHAVEZ SANTOS
[illegible]	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
[illegible]	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:45	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:55	///	///	-0-		CHAVEZ SANTOS
[illegible]	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
12-22-94	9:00	///	///	-0-		CHAVEZ SANTOS
12-23-94	8:45	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:50	///	///	-0-		CHAVEZ SANTOS
[illegible]	8:45			-0-		CHAVEZ SANTOS
[illegible]	[illegible]			-0-		[illegible]

01160

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:20	119	119	-0-		CHAVEZ-SANTOS
11-2-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-3-94	8:15	119	119	-0-		CHAVEZ-SANTOS
11-4-94	8:20	119	119	-0-		CHAVEZ-SANTOS
11-7-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-8-94	8:25	119	119	-0-		CHAVEZ-SANTOS
11-9-94	8:15	119	119	-0-		CHAVEZ-SANTOS
11-10-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-14-94	8:20	119	119	-0-		CHAVEZ-SANTOS
11-15-94	8:15	119	119	-0-		CHAVEZ-SANTOS
11-16-94	8:25	[illegible]	119	-0-		CHAVEZ-SANTOS
11-17-94	8:20	[illegible]	119	-0-		CHAVEZ-SANTOS
11-18-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-21-94	8:15	119	119	-0-		CHAVEZ-SANTOS
11-22-94	8:25	119	119	-0-		CHAVEZ-SANTOS
11-23-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-28-94	8:20	119	[illegible]	-0-		CHAVEZ-SANTOS
11-29-94	8:30	119	119	-0-		CHAVEZ-SANTOS
11-30-94	8:15	119	119	-0-		CHAVEZ-SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:40	125	125	-0-		CHAVEZ SANTOS
11-2-94	8:50	125	125	-0-		CHAVEZ SANTOS
11-3-94	8:35	125	125	-0-		CHAVEZ SANTOS
11-4-94	8:40	125	125	-0-		CHAVEZ SANTOS
11-7-94	8:50	125	125	-0-		CHAVEZ SANTOS
11-8-94	8:45	125	125	-0-		CHAVEZ SANTOS
11-9-94	8:35	125	125	-0-		CHAVEZ SANTOS
11-10-94	8:50	125	125	-0-		CHAVEZ SANTOS
11-14-94	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:55	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
11-30-94	8:35	125	125	-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:50	///	///	-0-		CHAVEZ SANTOS
11-2-94	9:00	///	///	-0-		CHAVEZ SANTOS
11-3-94	8:45	[illegible]	///	-0-		CHAVEZ SANTOS
11-4-94	8:50	[illegible]	///	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	///	[illegible]	-0-		CHAVEZ SANTOS
11-14-94	8:50	[illegible]	///	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
11-30-94	[illegible]	[illegible]	[illegible]	-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT
[illegible]

MONITOR WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:20	119	119	0		TORRES SANTOS
10-4-94	8:25	119	119	0		TORRES SANTOS
10-5-94	8:30	119	119	0		TORRES SANTOS
10-6-94	8:15	119	119	0		TORRES SANTOS
10-7-94	8:25	119	119	0		TORRES SANTOS
10-11-94	8:30	119	119	0		TORRES SANTOS
[illegible]	8:20	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
[illegible]	8:30	119	119	0		TORRES SANTOS
[illegible]	8:15	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
[illegible]	8:30	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
10-21-94	8:20	119	119	0		TORRES SANTOS
10-24-94	8:25	119	119	0		TORRES SANTOS
10-25-94	8:30	119	119	0		TORRES SANTOS
10-26-94	8:15	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
10-28-94	8:30	119	119	0		TORRES SANTOS
10-31-94	8:25	119	119	0		TORRES SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:30	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:25	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:30	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:25	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
10-21-94	8:30	125	125	0		TORRES SANTOS
10-24-94	8:35	125	125	0		TORRES SANTOS
10-25-94	8:40	125	125	0		TORRES SANTOS
10-26-94	8:25	125	125	0		TORRES SANTOS
10-27-94	8:35	125	125	0		TORRES SANTOS
10-28-94	8:40	125	125	0		TORRES SANTOS
10-31-94	8:35	125	125	0		TORRES SANTOS

01168

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:40	///	///	0		TORRES SANTOS
10-4-94	8:45	///	///	0		TORRES SANTOS
10-5-94	8:50	///	///	0		TORRES SANTOS
10-6-94	8:35	///	///	0		TORRES SANTOS
10-7-94	8:50	///	///	0		TORRES SANTOS
10-11-94	8:50	///	///	0		TORRES SANTOS
10-12-94	8:40	///	///	0		TORRES SANTOS
10-13-94	8:45	///	///	0		TORRES SANTOS
10-14-94	8:50	///	///	0		TORRES SANTOS
10-17-94	8:35	///	///	0		TORRES SANTOS
10-18-94	8:45	///	///	0		TORRES SANTOS
10-19-94	8:50	///	///	0		TORRES SANTOS
10-20-94	8:45	///	///	0		TORRES SANTOS
10-21-94	8:40	///	///	0		TORRES SANTOS
10-24-94	8:45	///	///	0		TORRES SANTOS
10-25-94	8:50	///	///	0		TORRES SANTOS
10-26-94	8:35	///	///	0		TORRES SANTOS
10-27-94	8:45	///	///	0		TORRES SANTOS
10-28-94	8:50	///	///	0		TORRES
10-31-94	8:45	///	///	0		TORRES SANTOS

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:15	119	119	-0-		SANTOS TORRES
9-2-94	8:20	119	119	-0-		SANTOS TORRES
9-6-94	8:30	119	119	-0-		SANTOS TORRES
9-7-94	8:25	119	119	-0-		SANTOS TORRES
9-8-94	8:30	119	119	-0-		SANTOS TORRES
9-9-94	8:35	119	119	-0-		CHAVEZ SANTOS
9-12-94	8:30	119	119	-0-		CHAVEZ SANTOS
9-13-94	8:30	119	119	-0-		CHAVEZ SANTOS
9-14-94	8:15	119	119	-0-		CHAVEZ SANTOS
9-15-94	8:20	119	119	-0-		CHAVEZ SANTOS
9-16-94	8:25	119	119	-0-		TORRES CHAVEZ
9-19-94	8:25	119	119	-0-		TORRES CHAVEZ
9-20-94	8:30	119	119	-0-		TORRES CHAVEZ
[illegible]	8:35	119	119	-0-		TORRES CHAVEZ
[illegible]	8:20	119	119	-0-		TORRES CHAVEZ
[illegible]	8:45	119	119	-0-		SANTOS TORRES
9-26-94	8:30	119	119	-0-		SANTOS TORRES
9-27-94	8:15	119	119	-0-		SANTOS TORRES
9-28-94	8:20	119	119	-0-		SANTOS TORRES
[illegible]	[illegible]	119	119	-0-		SANTOS TORRES
9-30-94	8:50	119	119	-0-		SANTOS TORRES

01171

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:25	125	125	0		SANTOS TORRES
9-2-94	8:30	125	125	0		SANTOS TORRES
9-6-94	8:40	125	125	0		SANTOS TORRES
9-7-94	8:35	125	125	0		SANTOS TORRES
9-8-94	8:40	125	125	0		SANTOS TORRES
9-9-94	8:45	125	125	0		CHAVEZ SANTOS
9-12-94	8:40	125	125	0		CHAVEZ SANTOS
9-13-94	8:40	125	125	0		CHAVEZ SANTOS
9-14-94	8:25	125	125	0		CHAVEZ SANTOS
9-15-94	8:30	125	125	0		CHAVEZ SANTOS
9-16-94	8:35	125	125	0		TORRES CHAVEZ
9-19-94	8:35	125	125	0		TORRES CHAVEZ
9-20-94	[illegible]	125	125	0		TORRES CHAVEZ
9-21-94	[illegible]	125	125	0		TORRES CHAVEZ
9-22-94	[illegible]	125	125	0		TORRES CHAVEZ
9-23-94	8:55	125	125	0		SANTOS TORRES
9-26-94	[illegible]	125	125	0		SANTOS TORRES
9-27-94	[illegible]	125	125	0		SANTOS TORRES
9-28-94	[illegible]	125	125	0		SANTOS TORRES
9-29-94	[illegible]	125	125	0		TORRES SANTOS
9-30-94	8:10	125	125	0		TORRES SANTOS

01173

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) – (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:35	///	///	Ø		SANTOS TORRES
9-2-94	8:40	///	///	Ø		SANTOS TORRES
9-6-94	8:50	///	///	Ø		SANTOS TORRES
[illegible]	8:45	///	///	Ø		SANTOS TORRES
[illegible]	8:50	///	///	Ø		SANTOS TORRES
[illegible]	8:55	///	///	Ø		CHAVEZ SANTOS
[illegible]	8:50	///	///	Ø		CHAVEZ SANTOS
9-13-94	8:50	///	///	Ø		CHAVEZ SANTOS
9-14-94	8:35	///	///	Ø		CHAVEZ SANTOS
[illegible]	8:40	///	///	Ø		CHAVEZ SANTOS
[illegible]	8:45	///	///	Ø		TORRES CHAVEZ
[illegible]	8:45	///	///	Ø		TORRES CHAVEZ
9-20-94	8:50	///	///	Ø		TORRES CHAVEZ
9-21-94	8:55	///	///	Ø		TORRES CHAVEZ
[illegible]	7:00	///	///	Ø		TORRES CHAVEZ
9-23-94	9:05	///	///	Ø		SANTOS TORRES
[illegible]	8:50	///	///	Ø		SANTOS TORRES
[illegible]	8:35	///	///	Ø		SANTOS TORRES
[illegible]	8:40	///	///	Ø		SANTOS TORRES
[illegible]	8:45	///	///	Ø		SANTOS TORRES
[illegible]	8:50	///	///	Ø		SANTOS TORRES

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:30	119	119	Ø		CHAVEZ SANTOS
8-2-94	8:35	119	119	Ø		CHAVEZ SANTOS
8-3-94	8:20	119	119	Ø		CHAVEZ SANTOS
8-4-94	8:15	119	119	Ø		CHAVEZ SANTOS
8-5-94	8:35	119	119	Ø		CHAVEZ SANTOS
8-8-94	8:30	119	119	Ø		TORRES SANTOS
8-9-94	8:20	119	119	Ø		TORRES SANTOS
8-10-94	8:25	119	119	Ø		TORRES SANTOS
8-11-94	8:30	119	119	Ø		TORRES SANTOS
8-12-94	8:30	119	119	Ø		TORRES SANTOS
8-15-94	8:30	119	119	Ø		CHAVEZ TORRES
8-16-94	8:30	119	119	Ø		CHAVEZ TORRES
8-17-94	8:30	119	119	Ø		CHAVEZ TORRES
8-18-94	8:30	110	119	Ø		CHAVEZ TORRES
8-19-94	8:20	119	119	Ø		CHAVEZ TORRES
8-22-94	8:25	119	119	Ø		SANTOS CHAVEZ
[illegible]	8:15	119	119	Ø		SANTOS CHAVEZ
[illegible]	8:35	119	119	Ø		SANTOS CHAVEZ
8-25-94	8:30	119	119	Ø		SANTOS CHAVEZ
8-26-94	8:30	119	119	Ø		TORRES CHAVEZ
8-29-94	8:25	119	119	Ø		TORRES CHAVEZ
8-31-94	8:30	119	119	Ø		TORRES

01176

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:40	125	125	Ø		CHAVEZ SANTOS
8-2-94	8:45	125	125	Ø		CHAVEZ SANTOS
8-3-94	8:30	125	125	Ø		CHAVEZ SANTOS
8-4-94	8:25	125	125	Ø		CHAVEZ SANTOS
8-5-94	8:45	125	125	Ø		CHAVEZ SANTOS
8-8-94	8:40	125	125	Ø		TORRES SANTOS
[illegible]	8:30	125	125	Ø		TORRES SANTOS
[illegible]	8:35	125	125	Ø		TORRES SANTOS
[illegible]	8:40	125	125	Ø		TORRES SANTOS
[illegible]	8:40	125	125	Ø		TORRES SANTOS
[illegible]	8:40	125	125	Ø		CHAVEZ TORRES
[illegible]	8:40	125	125	Ø		CHAVEZ TORRES
8-17-[illegible]	8:40	125	125	Ø		CHAVEZ TORRES
8-18-[illegible]	8:40	125	125	Ø		CHAVEZ TORRES
[illegible]	8:40	125	125	Ø		CHAVEZ TORRES
8-22-[illegible]	8:30	125	125	Ø		CHAVEZ TORRES
[illegible]	8:35	125	125	Ø		SANTOS CHAVEZ
[illegible]	8:35	125	125	Ø		SANTOS CHAVEZ
[illegible]	8:40	125	125	Ø		SANTOS [illegible]
8-26-[illegible]	8:40	125	125	Ø		[illegible]
8-2[illegible]	8:35	125	125	Ø		TORRES CHAVEZ
[illegible]	8:40	125	125	Ø		TORRES CHAVEZ
[illegible]	8:35	125	125	Ø		[illegible]

01173

[illegible]

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:50	111	111	Ø		CHAVEZ SANTOS
8-2-94	8:55	111	111	Ø		CHAVEZ SANTOS
8-3-94	8:40	111	111	Ø		CHAVEZ SANTOS
8-4-94	8:40	111	111	Ø		CHAVEZ SANTOS
8-5-94	8:55	111	111	Ø		CHAVEZ SANTOS
8-8-94	8:50	111	111	Ø		TORRES SANTOS
8-9-94	8:40	111	111	Ø		TORRES SANTOS
8-10-94	8:45	111	111	Ø		TORRES SANTOS
8-11-94	8:50	111	111	Ø		TORRES SANTOS
8-12-94	8:50	111	111	Ø		TORRES SANTOS
8-15-94	8:50	111	111	Ø		CHAVEZ TORRES
8-16-94	8:50	111	111	Ø		CHAVEZ TORRES
8-17-94	8:50	111	111	Ø		CHAVEZ TORRES
8-18-94	8:50	111	111	Ø		CHAVEZ TORRES
8-19-94	8:50	111	111	Ø		CHAVEZ TORRES
8-22-94	8:40	111	111	Ø		SANTOS CHAVEZ
8-23-94	8:45	111	111	Ø		SANTOS CHAVEZ
8-24-94	8:55	111	111	Ø		SANTOS CHAVEZ
8-25-94	[illegible]	111	111	Ø		SANTOS CHAVEZ
8-26-94	8:50	111	111	Ø		TORRES CHAVEZ
8-29-94	8:50	111	111	Ø		TORRES CHAVEZ
8-30-94	8:50	111	111	Ø		TORRES CHAVEZ
[illegible]	8:15	111	111	Ø		SANTOS CHAVEZ

01160

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:30	119	119	Ø		CHAVEZ MANDO
7-5-94	8:25	119	119	Ø		CHAVEZ SANTOS
7-6-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-7-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-8-94	8:15	119	119	Ø		TORRES SANTOS
7-11-94	8:25	119	119	Ø		TORRES SANTOS
7-12-94	8:30	119	119	Ø		TORRES SANTOS
7-13-94	8:20	119	119	Ø		TORRES SANTOS
7-14-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-15-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-18-94	8:15	119	119	Ø		CHAVEZ SANTOS
7-19-94	8:25	119	119	Ø		CHAVEZ SANTOS
7-20-94	8:30	119	119	Ø		CHAVEZ MANDO
7-21-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-22-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-25-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-26-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-27-94	8:15	119	119	Ø		CHAVEZ SANTOS
7-28-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-29-94	8:25	119	119	Ø		CHAVEZ SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:50	125	125	-0-		CHAVEZ MANDO
7-5-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-6-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-7-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-8-94	8:35	125	125	-0-		TORRES SANTOS
7-11-94	8:50	125	125	-0-		TORRES SANTOS
7-12-94	8:45	125	125	-0-		TORRES SANTOS
7-13-94	8:35	125	125	-0-		TORRES SANTOS
7-14-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-15-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-18-94	8:30	125	125	-0-		CHAVEZ SANTOS
7-19-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-20-94	8:45	125	125	-0-		CHAVEZ MANDO
7-21-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-22-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-25-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-26-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-27-94	8:30	125	125	-0-		CHAVEZ SANTOS
7-28-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-29-94	8:40	125	125	-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	9:00	111	111	-0-		CHAVEZ MANDO
7-5-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-6-94	8:50	111	111	-0-		CHAVEZ SANTOS
7-7-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-8-94	8:45	111	111	-0-		TORRES SANTOS
7-11-94	9:00	111	111	-0-		TORRES SANTOS
7-12-94	8:55	111	111	-0-		TORRES SANTOS
7-13-94	8:45	111	111	-0-		TORRES SANTOS
7-14-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-15-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-18-94	8:40	111	111	-0-		CHAVEZ SANTOS
7-19-94	8:50	111	111	-0-		CHAVEZ SANTOS
7-20-94	8:55	111	111	-0-		CHAVEZ MANDO
7-21-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-22-94	8:55	111	111	-0-		CHAVES SANTOS
7-25-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-26-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-27-94	8:40	111	111	-0-		CHAVEZ SANTOS
7-28-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-29-94	8:50	111	111	-0-		CHAVEZ SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:15	119	119	-0-		CHAVEZ & MANDO
6-2-94	8:20	119	119	-0-		CHAVEZ & SANTOS
6-3-94	8:30	119	119	-0-		CHAVEZ & SANTOS
6-6-94	8:25	119	119	-0-		CHAVEZ & SANTOS
6-7-94	8:15	119	119	-0-		TORRES & SANTOS
6-8-94	8:30	119	119	-0-		TORRES & SANTOS
6-9-94	8:20	119	119	-0-		TORRES & SANTOS
6-10-94	8:15	119	119	-0-		TORRES & SANTOS
6-13-94	8:25	119	119	-0-		CHAVEZ & SANTOS
6-14-94	8:20	119	119	-0-		CHAVEZ & SANTOS
6-15-94	8:30	119	119	-0-		CHAVEZ & SANTOS
6-16-94	8:15	119	119	-0-		CHAVEZ & SANTOS
6-17-94	8:25	119	119	-0-		CHAVEZ & SANTOS
6-20-94	8:30	119	119	-0-		Chavez/Santos
6-21-94	8:30	119	119	-0-		Chavez/Santos
6-22-94	8:30	119	119	-0-		Chavez/Santos
6-23-94	8:15	119	119	-0-		Chavez/Santos
6-24-94	8:20	119	119	-0-		Chavez/Santos
[illegible]	8:35	119	119	-0-		Chavez/Santos
6-2[illegible]-94	8:15	119	119	-0-		Chavez/Santos
6-29-94	8:30	119	119	-0-		Chavez/Santos
[illegible]	8:35	119	119	-0-		Chavez/Santos

01186

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

[illegible]

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:35	125	125	-0-		CHAVEZ y MANDO
6-2-94	8:40	125	125	-0-		CHAVEZ y SANTOS
6-3-94	8:50	125	125	-0-		CHAVEZ y SANTOS
6-6-94	8:45	125	125	-0-		CHAVEZ y SANTOS
6-7-94	8:35	125	125	-0-		TORRES y SANTOS
6-8-94	8:50	125	125	-0-		TORRES y SANTOS
6-9-94	8:40	125	125	-0-		TORRES y SANTOS
6-10-94	8:35	125	125	-0-		TORRES y SANTOS
6-13-94	8:45	125	125	-0-		CHAVEZ y SANTOS
6-14-94	8:40	125	125	-0-		CHAVEZ y SANTOS
6-15-94	8:50	125	125	-0-		CHAVEZ y SANTOS
6-16-94	8:35	125	125	-0-		CHAVEZ y SANTOS
6-17-94	8:45	125	125	-0-		CHAVEZ y SANTOS
6-20-94	8:45	125	125	-0-		Chavez y Santos
6-21-94	8:50	125	125	-0-		Chavez y Santos
6-22-94	8:40	125	125	-0-		Chavez y Santos
6-23-94	8:50	125	125	-0-		Chavez y Santos
6-24-94	8:35	125	125	-0-		Chavez y Santos
6-27-94	8:40	125	125	-0-		Chavez y Santos
6-28-94	8:15	125	125	-0-		Chavez y Santos
6-29-94	8:35	125	125	-0-		Chavez y Santos
6-30-94	8:50	125	125	-0-		Chavez y Santos

01188

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT
[illegible]

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:45	///	///	—0—		CHAVEZ & MANDO
6-2-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-3-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-6-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-7-94	8:45	///	///	—0—		TORRES & SANTOS
6-8-94	9:00	///	///	—0—		TORRES & SANTOS
6-9-94	8:50	///	///	—0—		TORRES & SANTOS
6-10-94	8:45	///	///	—0—		TORRES & SANTOS
6-13-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-14-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-15-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-16-94	8:45	///	///	—0—		CHAVEZ & SANTOS
6-17-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-20-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-21-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-22-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-23-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-24-94	8:45	///	///	—0—		CHAVEZ & SANTOS
6-27-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-28-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-29-94	8:45	///	///	—0—		CHAVEZ & SANTOS
6-30-94	[illegible]	///	///	—0—		CHAVEZ & SANTOS

01160

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:30	119	119	-0-		CHAVEZ & MANDO
5-3-94	8:25	119	119	-0-		CHAVEZ & SANTOS
5-4-94	8:20	119	119	-0-		CHAVEZ & SANTOS
5-5-94	8:30	119	119	-0-		CHAVEZ & SANTOS
5-6-94	8:20	119	119	-0-		CHAVEZ & SANTOS
5-9-94	8:15	119	119	-0-		CHAVEZ & SANTOS
5-10-94	8:25	119	119	-0-		CHAVEZ & SANTOS
5-11-94	8:30	119	119	-0-		CHAVEZ & SANTOS
5-12-94	8:20	119	119	-0-		CHAVEZ & SANTOS
5-13-94	8:30	119	119	-0-		CHAVEZ & SANTOS
5-16-94	8:20	119	119	-0-		CHAVEZ & MANDO
5-17-94	8:15	119	119	-0-		CHAVEZ & MANDO
5-18-94	8:25	119	119	-0-		CHAVEZ & SANTOS
5-19-94	8:30	119	119	-0-		CHAVEZ & SANTOS
5-20-94	8:20	119	119	-0-		CHAVEZ & SANTOS
5-23-94	8:30	119	119	-0-		CHAVEZ & SANTOS
5-24-94	8:15	119	119	-0-		CHAVEZ & SANTOS
5-25-94	8:20	119	119	-0-		CHAVEZ & SANTOS
5-26-94	8:25	119	119	-0-		CHAVEZ & SANTOS
5-27-94	8:15	119	119	-0-		CHAVEZ & SANTOS
5-31-94	8:30	119	119	-0-		CHAVEZ & SANTOS

01191

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:50	125	125	-0-		CHAVEZ & MANDO
5-3-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-4-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-5-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-6-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-9-94	8:35	125	125	-0-		CHAVEZ & SANTOS
5-10-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-11-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-12-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-13-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-16-94	8:40	125	125	-0-		CHAVEZ & MANDO
5-17-94	8:35	125	125	-0-		CHAVEZ & MANDO
5-18-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-19-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-20-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-23-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-24-94	8:35	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ & SANTOS
5-26-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-27-94	8:35	125	125	-0-		CHAVEZ & SANTOS
5-31-94	8:50	125	125	-0-		CHAVEZ & SANTOS

01193

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	9:00	///	///	-0-		CHAVEZ & MANDO
5-3-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-4-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-5-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-6-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-9-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-10-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-11-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-12-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-13-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-16-94	8:50	///	///	-0-		CHAVEZ & MANDO
5-17-94	8:45	///	///	-0-		CHAVEZ & MANDO
5-18-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-19-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-20-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-23-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-24-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-25-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-26-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-27-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-31-94	9:00	///	///	-0-		CHAVEZ & SANTOS

01195

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-4-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-5-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-6-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-7-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-8-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-11-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-12-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-13-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-14-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-15-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-18-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-19-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-20-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-21-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-22-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-25-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-26-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-27-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-28-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-29-94	8:30	119	119	-0-		CHAVEZ T SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-4-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-5-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-6-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-7-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-8-94	8:45	125	125	-0-		CHAVEZ SANTOS
4-11-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-12-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-13-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-14-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-15-94	8:45	125	125	-0-		CHAVEZ SANTOS
4-18-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-19-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-20-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-21-94	8:45	125	125	-0-		CHAVEZ SANTOS
4-22-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-25-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-26-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-27-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-28-94	8:45	125	125	-0-		CHAVEZ SANTOS
4-29-94	8:50	125	125	-0-		CHAVEZ SANTOS

01198

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:20	119	119	-0-		CHAVEZ SANTOS
11-2-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-3-94	8:15	119	119	-0-		CHAVEZ SANTOS
11-4-94	8:20	119	119	-0-		CHAVEZ SANTOS
11-7-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-8-94	8:25	119	119	-0-		CHAVEZ SANTOS
11-9-94	8:15	119	119	-0-		CHAVEZ SANTOS
11-10-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-14-94	8:20	119	119	-0-		CHAVEZ SANTOS
11-15-94	8:15	119	119	-0-		CHAVEZ SANTOS
11-16-94	8:25	119	119	-0-		CHAVEZ SANTOS
11-17-94	8:20	119	119	-0-		CHAVEZ SANTOS
11-18-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-21-94	8:15	119	119	-0-		CHAVEZ SANTOS
11-22-94	8:25	119	119	-0-		CHAVEZ SANTOS
11-23-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-28-94	8:20	119	119	-0-		CHAVEZ SANTOS
11-29-94	8:30	119	119	-0-		CHAVEZ SANTOS
11-30-94	8:15	119	119	-0-		CHAVEZ SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
11-2-94	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
11-7-94	8:40	144	144	-0-		CHAVEZ SANTOS
11-8-94	8:55	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
11-15-94	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:35	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:30	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:40	125	125	-0-		CHAVEZ SANTOS
11-2-94	8:50	125	125	-0-		CHAVEZ SANTOS
11-3-94	8:35	125	125	-0-		CHAVEZ SANTOS
11-4-94	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:30	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:40	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:35	[illegible]	[illegible]	-0-		CHAVEZ SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	3:45	124	124	-0-		CHAVEZ SANTOS
11-2-94	8:55	124	124	-0-		CHAVEZ SANTOS
11-3-94	8:40	124	124	-0-		CHAVEZ SANTOS
11-4-94	8:45	124	124	-0-		CHAVEZ SANTOS
11-7-94	8:55	124	124	-0-		CHAVEZ SANTOS
11-8-94	8:50	124	124	-0-		CHAVEZ SANTOS
11-9-94	8:40	124	124	-0-		CHAVEZ SANTOS
11-10-94	8:55	124	124	-0-		CHAVEZ SANTOS
[illegible]	8:45	124	124	-0-		CHAVEZ SANTOS
[illegible]	8:40	124	124	-0-		CHAVEZ SANTOS
[illegible]	8:50	124	124	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:40	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
11-23-94	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
11-28-94	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:40	[illegible]	[illegible]	-0-		CHAVEZ SANTOS

01161

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
11-1-94	8:50	111	111	-0-		CHAVEZ SANTOS
11-2-94	9:00	111	[illegible]	-0-		CHAVEZ SANTOS
11-3-94	8:45	[illegible]	111	-0-		CHAVEZ SANTOS
11-4-94	8:50	[illegible]	111	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	[illegible]	111	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	111	[illegible]	-0-		CHAVEZ SANTOS
11-14-94	8:50	[illegible]	111	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:55	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	8:50	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
[illegible]	9:00	[illegible]	[illegible]	-0-		CHAVEZ SANTOS
11-30-94	[illegible]			-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:20	119	119	0		TORRES SANTOS
10-4-94	8:25	119	119	0		TORRES SANTOS
10-5-94	8:30	119	119	0		TORRES SANTOS
10-6-94	8:15	119	119	0		TORRES SANTOS
10-7-94	8:25	119	119	0		TORRES SANTOS
10-1[illegible]-94	8:30	119	119	0		TORRES SANTOS
[illegible]	8:20	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
[illegible]	8:30	119	119	0		TORRES SANTOS
[illegible]	8:15	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
[illegible]	8:30	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
10-21-94	8:20	119	119	0		TORRES SANTOS
10-24-94	8:25	119	119	0		TORRES SANTOS
10-25-94	8:30	119	119	0		TORRES SANTOS
[illegible]	8:15	119	119	0		TORRES SANTOS
[illegible]	8:25	119	119	0		TORRES SANTOS
10-28-94	8:30	119	119	0		TORRES SANTOS
10-31-94	8:35	119	119	0		TORRES SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:25	144	144	0		Torres Santos
10-4-94	8:30	144	144	0		Torres Santos
10-5-94	8:35	144	144	0		Torres Santos
10-6-94	8:20	144	144	0		Torres Santos
10-7-94	8:30	144	144	0		Torres Santos
10-11-94	8:35	144	144	0		Torres Santos
10-12-94	8:25	144	144	0		Torres Santos
10-13-94	8:30	144	144	0		Torres Santos
10-14-94	8:35	144	144	0		Torres Santos
10-17-94	8:20	144	144	0		Torres Santos
10-18-94	[illegible]	144	144	0		Torres Santos
10-19-94	8:35	144	144	0		Torres Santos
10-20-94	8:30	144	144	0		Torres Santos
10-21-94	8:25	144	144	0		Torres Santos
10-24-94	8:30	144	144	0		Torres Santos
10-25-94	8:35	144	144	0		Torres Santos
10-26-94	8:20	144	144	0		Torres Santos
10-27-94	8:30	144	144	0		Torres Santos
10-28-94	8:35	144	144	0		Torres Santos
10-31-94	8:30	144	144	0		Torres Santos

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:30	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:25	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:50	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:25	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
[illegible]	8:40	125	125	0		TORRES SANTOS
[illegible]	8:35	125	125	0		TORRES SANTOS
10-21-94	8:30	125	125	0		TORRES SANTOS
10-24-94	8:35	125	125	0		TORRES SANTOS
10-25-94	8:40	125	125	0		TORRES SANTOS
10-26-94	8:25	125	125	0		TORRES SANTOS
10-27-94	8:35	125	125	0		TORRES SANTOS
10-28-94	8:40	125	125	0		TORRES SANTOS
10-31-94	8:35	125	125	0		TORRES SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:35	124	124	0		TORRES SANTOS
10-4-94	8:40	124	124	0		TORRES SANTOS
10-5-94	8:45	124	124	0		TORRES SANTOS
10-6-94	8:30	124	124	0		TORRES SANTOS
10-7-94	8:45	124	124	0		TORRES SANTOS
10-11-94	8:45	124	124	0		TORRES SANTOS
10-12-94	8:35	124	124	0		TORRES SANTOS
10-13-94	8:40	124	124	0		TORRES SANTOS
10-14-94	8:45	124	124	0		TORRES SANTOS
10-17-94	8:30	124	124	0		TORRES SANTOS
10-18-94	8:40	124	124	0		TORRES SANTOS
10-19-94	8:45	124	124	0		TORRES SANTOS
10-20-94	8:40	124	124	0		TORRES SANTOS
10-21-94	8:35	124	124	0		TORRES SANTOS
10-24-94	8:40	124	124	0		TORRES SANTOS
10-25-94	8:45	124	124	0		TORRES SANTOS
10-26-94	8:50	124	124	0		TORRES SANTOS
10-27-94	8:40	124	124	0		TORRES SANTOS
10-28-94	8:45	124	124	0		TORRES SANTOS
10-31-94	8:40	124	124	0		TORRES SANTOS

01169

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
10-3-94	8:40	///	///	0		TORRES SANTOS
10-4-94	8:45	///	///	0		TORRES SANTOS
10-5-94	8:50	///	///	0		TORRES SANTOS
10-6-94	8:35	///	///	0		TORRES SANTOS
10-7-94	8:50	///	///	0		TORRES SANTOS
10-11-94	8:50	///	///	0		TORRES SANTOS
10-12-94	8:40	///	//6	0		TORRES SANTOS
10-13-94	8:45	///	///	0		TORRES SANTOS
10-14-94	8:50	///	///	0		TORRES SANTOS
10-17-94	8:35	///	///	0		TORRES SANTOS
10-18-94	8:45	///	///	0		TORRES SANTOS
10-19-94	8:50	///	///	0		TORRES SANTOS
10-20-94	8:45	///	///	0		TORRES SANTOS
10-21-94	8:40	///	///	0		TORRES SANTOS
10-24-94	8:45	///	///	0		TORRES SANTOS
10-25-94	8:50	///	///	0		TORRES SANTOS
10-26-94	8:35	///	///	0		TORRES SANTOS
10-27-94	8:45	///	///	0		TORRES SANTOS
10-28-94	8:50	///	///	0		TORRES
10-31-94	8:45	///	///	0		TORRES SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:15	119	119	-0-		SANTOS TORRES
9-2-94	8:20	119	119	-0-		SANTOS TORRES
9-6-94	8:30	119	119	-0-		SANTOS TORRES
9-7-94	8:25	119	119	-0-		SANTOS TORRES
9-8-94	8:30	119	119	-0-		SANTOS TORRES
9-9-94	8:35	119	119	-0-		CHAVEZ SANTOS
9-12-94	8:30	119	119	-0-		CHAVEZ SANTOS
9-13-94	8:30	119	119	-0-		CHAVEZ SANTOS
9-14-94	8:15	119	119	-0-		CHAVEZ SANTOS
9-15-94	8:20	119	119	-0-		CHAVEZ SANTOS
9-16-94	8:25	119	119	-0-		TORRES CHAVEZ
9-19-94	8:25	119	119	-0-		TORRES CHAVEZ
9-20-94	8:30	119	119	-0-		TORRES CHAVEZ
[illegible]	8:35	119	119	-0-		TORRES CHAVEZ
[illegible]	8:20	119	119	-0-		TORRES CHAVEZ
[illegible]	8:45	119	119	-0-		SANTOS TORRES
9-26-94	8:30	119	119	-0-		SANTOS TORRES
9-27-94	8:15	119	119	-0-		SANTOS TORRES
9-28-94	8:20	119	119	-0-		SANTOS TORRES
[illegible]	8:35	119	119	-0-		SANTOS TORRES
9-30-94	8:50	119	119	-0-		SANTOS TORRES

FUEL RECOVERY WELLS
LARADO INTERNATIONAL AIRPORT

MONITOR WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:20	144	144	Ø		SANTOS TORRES
9-2-94	8:25	144	144	Ø		SANTOS TORRES
[illegible]	8:35	144	144	Ø		SANTOS TORRES
[illegible]	8:30	144	144	Ø		SANTOS TORRES
[illegible]	8:35	144	144	Ø		SANTOS TORRES
[illegible]	8:40	[illegible]	144	Ø		CHAVEZ SANTOS
[illegible]	8:35	144	144	Ø		CHAVEZ SANTOS
[illegible]	8:35	144	144	Ø		CHAVEZ SANTOS
[illegible]	8:20	144	144	Ø		CHAVEZ SANTOS
[illegible]	8:25	144	144	Ø		CHAVEZ SANTOS
[illegible]	8:50	144	144	Ø		TORRES [illegible]
[illegible]	[illegible]	144	144	Ø		TORRES [illegible]
[illegible]	8:35	144	[illegible]	Ø		TORRES [illegible]
[illegible]	8:40	144	144	O		TORRES CHAVEZ
[illegible]	[illegible]	144	144	O		TORRES CHAVEZ
[illegible]	8:50	144	144	O		SANTOS TORRES
[illegible]	8:35	144	144	O		SANTOS TORRES
[illegible]	8:20	[illegible]	[illegible]	O		SANTOS TORRES
[illegible]	[illegible]	[illegible]	[illegible]	O		SANTOS [illegible]
9-29-94	[illegible]	[illegible]	[illegible]	O		SANTOS TORRES
9-30-94	[illegible]	144	144	Ø		SANTOS TORRES

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:25	125	125	Ø		SANTOS TORRES
9-2-94	8:30	125	125	Ø		SANTOS TORRES
9-6-94	8:40	125	125	Ø		SANTOS TORRES
9-7-94	8:35	125	125	Ø		SANTOS TORRES
9-8-94	8:40	125	125	Ø		SANTOS TORRES
9-9-94	8:45	125	125	Ø		CHAVEZ SANTOS
9-12-94	8:40	125	125	Ø		CHAVEZ SANTOS
9-13-94	8:40	125	125	Ø		CHAVEZ SANTOS
9-14-94	8:25	125	125	Ø		CHAVEZ SANTOS
9-15-94	8:30	125	125	Ø		CHAVEZ SANTOS
9-16-94	8:35	125	125	Ø		TORRES CHAVEZ
9-19-94	8:35	125	125	Ø		TORRES CHAVEZ
9-20-94	[illegible]	125	125	Ø		TORRES CHAVEZ
9-21-94	8:45	125	125	Ø		TORRES CHAVEZ
9-22-94	8:50	125	125	Ø		TORRES CHAVEZ
9-23-94	8:55	125	125	Ø		SANTOS TORRES
9-26-94	[illegible]	125	125	Ø		SANTOS TORRES
9-27-94	[illegible]	125	125	Ø		SANTOS TORRES
9-28-94	8:50	125	125	Ø		SANTOS TORRES
9-29-94	[illegible]	125	125	Ø		TORRES SANTOS
9-30-94	8:40	125	125	Ø		TORRES SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) — (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:30	124	124	Ø		SANTOS TORRES
9-2-94	8:35	124	124	Ø		SANTOS TORRES
9-6-94	8:45	124	124	Ø		SANTOS TORRES
9-7-94	8:40	124	124	Ø		SANTOS TORRES
9-8-94	8:45	[illegible]	[illegible]	Ø		SANTOS TORRES
9-9-94	8:50	124	124	Ø		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	124	Ø		CHAVEZ SANTOS
[illegible]	8:45	[illegible]	[illegible]	Ø		CHAVEZ SANTOS
[illegible]	8:50	124	[illegible]	Ø		CHAVEZ SANTOS
[illegible]	8:35	[illegible]	[illegible]	Ø		CHAVEZ SANTOS
[illegible]	[illegible]	[illegible]	[illegible]	0		TORRES CHAVEZ
9-19-94	8:40	124	124	0		TORRES CHAVEZ
9-20-94	8:45	124	124	0		TORRES CHAVEZ
9-21-94	8:50	124	124	0		TORRES CHAVEZ
9-22-94	8:55	124	124	0		TORRES CHAVEZ
9-23-94	9:00	124	124	0		SANTOS TORRES
9-26-94	8:45	124	[illegible]	0		SANTOS TORRES
9-27-94	8:30	124	124	0		SANTOS TORRES
9-28-94	8:35	124	124	0		SANTOS TORRES
9-30-94	8:40	124	124	0		SANTOS TORRES
9-30-94	8:45	[illegible]	[illegible]	0		SANTOS TORRES

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) – (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
9-1-94	8:35	111	111	Ø		SANTOS TORRES
9-2-94	8:40	111	111	Ø		SANTOS TORRES
9-6-94	8:50	111	111	Ø		SANTOS TORRES
[illegible]	8:45	111	111	Ø		SANTOS TORRES
[illegible]	8:50	111	111	Ø		SANTOS TORRES
[illegible]	8:55	111	111	Ø		CHAVEZ SANTOS
[illegible]	8:50	111	111	Ø		CHAVEZ SANTOS
9-13-94	8:50	111	111	Ø		CHAVEZ SANTOS
9-14-94	8:35	111	111	Ø		CHAVEZ SANTOS
9-15-94	8:40	111	111	Ø		CHAVEZ SANTOS
[illegible]	8:45	111	111	Ø		TORRES CHAVEZ
[illegible]19-4	8:45	111	111	Ø		TORRES CHAVEZ
9-20-94	8:50	111	111	Ø		TORRES CHAVEZ
9-21-94	8:55	111	111	Ø		TORRES CHAVEZ
9-22-94	7:00	111	111	Ø		TORRES CHAVEZ
9-23-94	9:05	111	111	Ø		SANTOS TORRES
[illegible]	8:50	111	111	Ø		SANTOS TORRES
[illegible]	8:35	111	111	Ø		SANTOS TORRES
[illegible]	8:40	111	111	Ø		SANTOS TORRES
[illegible]	8:45	111 0	111	Ø		SANTOS TORRES
[illegible]	8:50	111	111	Ø		SANTOS TORRES

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:30	119	119	Ø		CHAVEZ SANTOS
8-2-94	8:35	119	119	Ø		CHAVEZ SANTOS
8-3-94	8:20	119	119	Ø		CHAVEZ SANTOS
8-4-94	8:15	119	119	Ø		CHAVEZ SANTOS
8-5-94	8:35	119	119	Ø		CHAVEZ SANTOS
8-8-94	8:30	119	119	Ø		TORRES SANTOS
8-9-94	8:20	119	119	Ø		TORRES SANTOS
8-10-94	8:25	119	119	Ø		TORRES SANTOS
8-11-94	8:30	119	119	Ø		TORRES SANTOS
8-12-94	8:30	119	119	Ø		TORRES SANTOS
8-15-94	8:30	119	119	Ø		CHAVEZ TORRES
8-16-94	8:30	119	119	Ø		CHAVEZ TORRES
8-17-94	8:30	119	119	Ø		CHAVEZ TORRES
8-18-94	8:30	110	119	Ø		CHAVEZ TORRES
8-19-94	8:20	119	113	Ø		CHAVEZ TORRES
8-22-94	8:25	119	119	Ø		SANTOS CHAVEZ
[illegible]	8:15	119	119	Ø		SANTOZ CHAVEZ
[illegible]	8:35	119	119	Ø		SANTOS CHAVEZ
8-25-94	8:30	119	119	Ø		SANTOS CHAVEZ
8-26-94	8:30	119	119	Ø		TORRES CHAVEZ
8-29-94	2:25	119	119	Ø		TORRES CHAVEZ
[illegible]	8:30	[illegible]	[illegible]	Ø		TORRES

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FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) – (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:35	144	144	Ø		SANTOS CHAVEZ
8-2-94	8:40	144	144	Ø		SANTOS CHAVEZ
8-3-94	8:25	144	144	Ø		CHAVEZ SANTOS
8-4-94	8:20	144	144	Ø		CHAVEZ SANTOS
8-5-94	8:40	144	144	Ø		CHAVEZ SANTOS
8-8-94	8:35	144	144	Ø		SANTOS TORRES
8-9-94	8:25	144	144	Ø		SANTOS TORRES
8-10-94	8:30	144	144	Ø		SANTOS TORRES
8-11-94	8:35	144	144	Ø		SANTOS TORRES
8-12-94	8:35	144	144	Ø		SANTOS TORRES
8-15-94	8:35	144	144	Ø		CHAVEZ TORRES
8-16-94	8:35	144	144	Ø		CHAVEZ TORRES
8-17-94	8:35	144	144	Ø		TORRES CHAVEZ
8-18-94	8:35	144	144	Ø		CHAVEZ TORRES
8-19-94	8:25	144	144	Ø		TORRES CHAVEZ
8-22-94	8:30	144	144	Ø		SANTOS CHAVEZ
8-23-94	8:20	144	144	Ø		SANTOS CHAVEZ
[illegible]	8:30	144	144	Ø		SANTOS CHAVEZ
[illegible]	8:35	144	144	Ø		SANTOS CHAVEZ
8-26-94	8:35	[illegible]	[illegible]	Ø		TORRES [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Ø		[illegible]
8-30-94	[illegible]	144	[illegible]	Ø		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Ø		CHAVEZ

01177

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:40	125	125	∅		CHAVEZ SANTOS
8-2-94	8:45	125	125	∅		CHAVEZ SANTOS
8-3-94	8:30	125	125	∅		CHAVEZ SANTOS
8-4-94	8:25	125	125	∅		CHAVEZ SANTOS
8-5-94	8:45	125	125	∅		CHAVEZ SANTOS
8-8-94	8:40	125	125	∅		TORRES SANTOS
[illegible]	8:30	125	125	∅		TORRES SANTOS
[illegible]	8:35	125	125	∅		TORRES SANTOS
[illegible]	[illegible]	125	125	∅		TORRES SANTOS
[illegible]	[illegible]	125	125	∅		TORRES SANTOS
[illegible]	8:40	125	125	∅		CHAVEZ TORRES
[illegible]	[illegible]	125	125	∅		CHAVEZ TORRES
[illegible]	[illegible]	125	125	∅		CHAVEZ TORRES
[illegible]	[illegible]	125	125	∅		CHAVEZ TORRES
[illegible]	8:40	125	125	∅		CHAVEZ TORRES
[illegible]	[illegible]	125	125	∅		CHAVEZ TORRES
[illegible]	[illegible]	125	125	∅		SANTOS CHAVEZ
[illegible]	[illegible]	125	125	∅		SANTOS CHAVEZ
[illegible]	[illegible] 40	125	125	∅		SANTOS [illegible]
[illegible]	8:40	125	125	[illegible]		[illegible]
8-27-[illegible]	8:35	125	125	∅		TORRES CHAVEZ
[illegible]	8:40	125	125	∅		TORRES CHAVEZ
[illegible]	8:35	125	125	∅		[illegible]

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FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:45	124	124	Ø		CHAVEZ SANTOS
8-2-94	8:50	124	124	Ø		CHAVEZ SANTOS
8-3-94	8:35	124	124	Ø		CHAVEZ SANTOS
8-4-94	8:30	124	124	Ø		CHAVEZ SANTOS
8-5-94	8:50	124	124	Ø		CHAVEZ SANTOS
8-8-94	8:45	124	124	0		TORRES SANTOS
8-9-94	8:35	124	124	Ø		TORRES SANTOS
8-10-94	8:40	124	124	Ø		TORRES SANTOS
8-11-94	8:45	124	124	Ø		TORRES SANTOS
8-12-94	8:45	124	124	Ø		TORRES SANTOS
[illegible]	8:45	124	124	Ø		CHAVEZ TORRES
[illegible]	8:45	124	124	Ø		CHAVES TORRES
8-17-94	8:45	124	124	Ø		CHAVEZ TORRES
8-18-94	8:45	124	124	Ø		CHAVEZ TORRES
[illegible]	8:45	124	124	Ø		CHAVEZ TORRES
8-22-94	8:35	124	124	Ø		SANTOS CHAVEZ
[illegible]	8:40	124	124	Ø		SANTOS CHAVEZ
[illegible]	8:30	124	124	Ø		SANTOS CHAVEZ
[illegible]	[illegible]	124	124	Ø		SANTOS CHAVEZ
[illegible]	8:45	124	124	Ø		TORRES CHAVEZ
8-29-94	8:05	124	124	Ø		TORRES CHAVEZ
[illegible]	8:45	124	124	Ø		TORRES CHAVEZ
[illegible]	8:40	124	124	Ø		[illegible]

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[illegible]

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
8-1-94	8:50	111	111	Ø		CHAVEZ SANTOS
8-2-94	8:55	111	111	Ø		CHAVEZ SANTOS
8-3-94	8:40	111	111	Ø		CHAVEZ SANTOS
8-4-94	8:40	111	111	Ø		CHAVEZ SANTOS
8-5-94	8:55	111	111	Ø		CHAVEZ SANTOS
8-8-94	8:50	111	111	Ø		TORRES SANTOS
8-9-94	8:40	111	111	Ø		TORRES SANTOS
8-10-94	8:45	111	111	Ø		TORRES SANTOS
8-11-94	8:50	111	111	Ø		TORRES SANTOS
8-12-94	8:50	111	111	Ø		TORRES SANTOS
8-15-94	8:50	111	111	Ø		CHAVEZ TORRES
8-16-94	8:50	111	111	Ø		CHAVEZ TORRES
8-17-94	8:50	111	111	Ø		CHAVEZ TORRES
8-18-94	8:50	111	111	Ø		CHAVEZ TORRES
8-19-94	8:50	111	111	Ø		CHAVEZ TORRES
8-22-94	8:40	111	111	Ø		SANTOS CHAVEZ
8-23-94	8:45	111	111	Ø		SANTOS CHAVEZ
8-24-94	8:55	111	111	Ø		SANTOS CHAVEZ
8-25-94	[illegible]	111	111	Ø		SANTOS CHAVEZ
8-26-94	8:50	111	111	Ø		TORRES CHAVEZ
8-29-94	8:50	111	111	Ø		TORRES CHAVEZ
8-30-94	8:50	111	111	Ø		TORRES CHAVEZ
[illegible]	8:15	111	111	Ø		SANTOS CHAVEZ

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DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:30	119	119	Ø		CHAVEZ MANDO
7-5-94	8:25	119	119	Ø		CHAVEZ SANTOS
7-6-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-7-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-8-94	8:15	119	119	Ø		TORRES SANTOS
7-11-94	8:25	119	119	Ø		TORRES SANTOS
7-12-94	8:30	119	119	Ø		TORRES SANTOS
7-13-94	8:20	119	119	Ø		TORRES SANTOS
7-14-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-15-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-18-94	8:15	119	119	Ø		CHAVEZ SANTOS
7-19-94	8:25	119	119	Ø		CHAVEZ SANTOS
7-20-94	8:30	119	119	Ø		CHAVEZ MANDO
7-21-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-22-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-25-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-26-94	8:30	119	119	Ø		CHAVEZ SANTOS
7-27-94	8:15	119	119	Ø		CHAVEZ SANTOS
7-28-94	8:20	119	119	Ø		CHAVEZ SANTOS
7-29-94	8:25	119	119	Ø		CHAVEZ SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:40	144	144	-0-		CHAVEZ MANDO
7-5-94	8:35	144	144	-0-		CHAVEZ SANTOS
7-6-94	8:37	144	144	-0-		CHAVEZ SANTOS
7-7-94	8:40	144	144	-0-		CHAVEZ SANTOS
7-8-94	8:25	144	144	-0-		TORRES SANTOS
7-11-94	8:35	144	144	-0-		TORRES SANTOS
7-12-94	8:40	144	144	-0-		TORRES SANTOS
7-13-94	8:30	144	144	-0-		TORRES SANTOS
7-14-94	8:40	144	144	-0-		CHAVEZ SANTOS
7-15-94	8:30	144	144	-0-		CHAVEZ SANTOS
7-18-94	8:25	144	144	-0-		CHAVEZ SANTOS
7-19-94	8:35	144	144	-0-		CHAVEZ SANTOS
7-20-94	8:40	144	144	-0-		CHAVEZ MANDO
7-21-94	8:30	144	144	-0-		CHAVEZ SANTOS
7-22-94	[illegible]	144	144	-0-		CHAVEZ SANTOS
7-25-94	8:30	144	144	-0-		CHAVEZ SANTOS
7-26-94	8:40	144	144	0		CHAVEZ SANTOS
7-27-94	8:25	144	144	-0-		CHAVEZ SANTOS
7-28-94	8:30	144	144	-0-		CHAVEZ SANTOS
7-29-94	8:35	144	144	-0-		CHAVEZ SANTOS

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:50	125	125	-0-		CHAVEZ MANDO
7-5-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-6-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-7-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-8-94	8:35	125	125	-0-		TORRES SANTOS
7-11-94	8:50	125	125	-0-		TORRES SANTOS
7-12-94	8:45	125	125	-0-		TORRES SANTOS
7-13-94	8:35	125	125	-0-		TORRES SANTOS
7-14-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-15-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-18-94	8:30	125	125	-0-		CHAVEZ SANTOS
7-19-94	8:40	125	125	-0-		CHAVEZ SANTOS
7-20-94	8:45	125	125	-0-		CHAVEZ MANDO
7-21-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-22-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-25-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-26-94	8:45	125	125	-0-		CHAVEZ SANTOS
7-27-94	8:30	125	125	-0-		CHAVEZ SANTOS
7-28-94	8:35	125	125	-0-		CHAVEZ SANTOS
7-29-94	8:40	125	125	-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	8:55	124	124	-0-		CHAVEZ MANDO
7-5-94	8:50	124	124	-0-		CHAVEZ SANTOS
7-6-94	8:45	124	124	-0-		CHAVEZ SANTOS
7-7-94	8:50	124	124	-0-		CHAVEZ SANTOS
7-8-94	8:40	124	124	-0-		TORRES SANTOS
7-11-94	8:55	124	124	-0-		TORRES SANTOS
7-12-94	8:50	124	124	-0-		TORRES SANTOS
7-13-94	8:40	124	124	-0-		TORRES SANTOS
7-14-94	8:50	124	124	-0-		CHAVEZ SANTOS
7-15-94	8:45	124	124	-0-		CHAVEZ SANTOS
7-18-94	8:35	124	124	-0-		CHAVEZ SANTOS
7-19-94	8:45	124	124	-0-		CHAVEZ SANTOS
7-20-94	7:50	124	124	-0-		CHAVEZ MANDO
7-21-94	8:40	124	124	-0-		CHAVEZ SANTOS
7-22-94	8:50	124	124	-0-		CHAVEZ SANTOS
7-25-94	8:40	124	124	-0-		CHAVEZ SANTOS
7-26-94	8:50	124	124	-0-		CHAVEZ SANTOS
7-27-94	8:45	124	124	-0-		CHAVEZ SANTOS
7-28-94	8:40	124	124	-0-		CHAVEZ SANTOS
7-29-94	8:45	124	124	-0-		CHAVEZ SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
7-1-94	9:00	111	111	-0-		CHAVEZ MANDO
7-5-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-6-94	8:50	111	111	-0-		CHAVEZ SANTOS
7-7-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-8-94	8:45	111	111	-0-		TORRES SANTOS
7-11-94	9:00	111	111	-0-		TORRES SANTOS
7-12-94	8:55	111	111	-0-		TORRES SANTOS
7-13-94	8:45	111	111	-0-		TORRES SANTOS
7-14-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-15-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-18-94	8:40	111	111	-0-		CHAVEZ SANTOS
7-19-94	8:50	111	111	-0-		CHAVEZ SANTOS
7-20-94	8:55	111	111	-0-		CHAVEZ MANDO
7-21-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-22-94	8:55	111	111	-0-		CHAVES SANTOS
7-25-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-26-94	8:55	111	111	-0-		CHAVEZ SANTOS
7-27-94	8:40	111	111	-0-		CHAVEZ SANTOS
7-28-94	8:45	111	111	-0-		CHAVEZ SANTOS
7-29-94	8:50	111	111	-0-		CHAVEZ SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) – (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:15	119	119	–0–		CHAVEZ & MANDO
6-2-94	8:20	119	119	–0–		CHAVEZ + SANTOS
6-3-94	8:30	119	119	–0–		CHAVEZ + SANTOS
6-6-94	8:25	119	119	–0–		CHAVEZ + SANTOS
6-7-94	8:15	119	119	–0–		TORRES + SANTOS
6-8-94	8:30	119	119	–0–		TORRES + SANTOS
6-9-94	8:20	119	119	–0–		TORRES + SANTOS
6-10-94	8:15	119	119	–0–		TORRES + SANTOS
6-13-94	8:25	119	119	–0–		CHAVEZ + SANTOS
6-14-94	8:20	119	119	–0–		CHAVEZ + SANTOS
6-15-94	8:30	119	119	–0–		CHAVEZ + SANTOS
6-16-94	8:15	119	119	–0–		CHAVEZ & SANTOS
6-17-94	8:25	119	119	–0–		CHAVEZ + SANTOS
6-20-94	8:30	119	119	–0–		Chavez/ Santos
6-21-94	8:30	119	119	–0–		Chavez/ Santos
6-22-94	8:30	119	119	–0–		Chavez Y Santos
6-23-94	8:15	119	119	–0–		Chavez Y Santos
6-24-94	8:20	119	119	–0–		Chavez Y Santos
6-27-94	8:35	119	119	–0–		Chavez Y Santos
6-28-94	8:15	119	1;9	–0–		Chavez Y Santos
6-29-94	8:30	119	119	–0–		Chavez Y Santos
6-30-94	8:35	[illegible]	[illegible]	–0–		Chavez Y Santos

01186

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:25	144	144	-0-		CHAVEZ & MANDO
6-2-94	8:30	144	144	-0-		CHAVEZ & SANTOS
6-3-94	8:40	144	144	-0-		CHAVEZ & SANTOS
6-6-94	8:35	144	144	-0-		CHAVEZ & SANTOS
6-7-94	8:25	144	144	-0-		TORRES & SANTOS
6-8-94	8:40	144	144	-0-		TORRES & SANTOS
6-9-94	8:30	144	144	-0-		TORRES & SANTOS
6-10-94	8:25	144	144	-0-		TORRES & SANTOS
6-13-94	8:35	144	144	-0-		CHAVEZ & SANTOS
6-14-94	8:30	144	144	-0-		CHAVEZ & SANTOS
6-15-94	8:40	144	144	-0-		CHAVEZ & SANTOS
6-16-94	8:25	144	144	-0-		CHAVEZ & SANTOS
6-17-94	8:35	144	144	-0-		CHAVEZ & SANTOS
6-20-94	8:35	144	144	-0-		Chaves Santos
6-21-94	8:40	144	144	-0-		CHAVEZ Santos
6-22-94	8:30	144	144	-0-		CHAVEZ Santos
6-23-94	8:25	144	144	-0-		CHAVEZ Santos
6-24-94	8:30	144	144	-0-		CHAVEZ Santos
6-27-94	8:35	144	144	-0-		CHAVEZ Santos
6-28-94	8:25	144	144	-0-		CHAVEZ Santos
6-29-94	8:40	144	144	-0-		CHAVEZ Santos
[illegible]	[illegible]:25	144	144	-0-		CHAVEZ Santos

0118

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:35	125	125	-0-		CHAVEZ & MANDO
6-2-94	8:40	125	125	-0-		CHAVEZ & SANTOS
6-3-94	8:50	125	125	-0-		CHAVEZ & SANTOS
6-6-94	8:45	125	125	-0-		CHAVEZ & SANTOS
6-7-94	8:35	125	125	-0-		TORRES & SANTOS
6-8-94	8:50	125	125	-0-		TORRES & SANTOS
6-9-94	8:40	125	125	-0-		TORRES & SANTOS
6-10-94	8:35	125	125	-0-		TORRES & SANTOS
6-13-94	8:45	125	125	-0-		CHAVEZ & SANTOS
6-14-94	8:40	125	125	-0-		CHAVEZ & SANTOS
6-15-94	8:50	125	125	-0-		CHAVEZ & SANTOS
6-16-94	8:35	125	125	-0-		CHAVEZ & SANTOS
6-17-94	8:45	125	125	-0-		CHAVEZ & SANTOS
6-20-94	8:45	125	125	-0-		Chavez y Santos
6-21-94	8:50	125	125	-0-		Chavez y Santos
6-22-94	8:40	125	125	-0-		Chavez y Santos
6-23-94	8:50	125	125	-0-		Chavez y Santos
6-24-94	8:35	125	125	-0-		Chavez y Santos
6-27-94	8:40	125	125	-0-		Chavez y Santos
6-28-94	8:15	125	125	-0-		Chavez y Santos
6-29-94	8:35	125	125	-0-		Chavez y Santos
6-30-94	8:50	125	125	-0-		Chavez y Santos

01188

FUEL RECOVERY WELLS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:40	124	124	-0-		CHAVEZ & MANDO
6-2-94	8:45	124	124	-0-		CHAVEZ & SANTOS
6-3-94	8:55	124	124	-0-		CHAVEZ & SANTOS
6-6-94	8:50	124	124	-0-		CHAVEZ & SANTOS
6-7-94	8:40	124	124	-0-		TORRES & SANTOS
6-8-94	8:55	124	124	-0-		TORRES & SANTOS
6-9-94	8:45	124	124	-0-		TORRES & SANTOS
6-10-94	8:40	124	124	-0-		TORRES & SANTOS
6-13-94	8:50	124	124	-0-		CHAVEZ & SANTOS
6-14-94	8:45	124	124	-0-		CHAVEZ & SANTOS
6-15-94	8:55	124	124	-0-		CHAVEZ & SANTOS
6-16-94	8:40	124	124	-0-		CHAVEZ & SANTOS
6-17-94	8:50	124	124	-0-		CHAVEZ & SANTOS
6-20-94	8:50	124	124	-0-		CHAVEZ & SANTOS
[illegible]	8:55	124	124	-0-		CHAVEZ & SANTOS
6-22-94	8:45	124	124	-0-		CHAVEZ & SANTOS
6-23-94	8:55	124	124	-0-		CHAVEZ & SANTOS
6-24-94	8:40	124	124	-0-		CHAVEZ & SANTOS
6-2?-94	8:45	124	124	-0-		CHAVEZ & SANTOS
6-28-94	8:50	124	124	-0-		[illegible]
[illegible]	8:40	124	124	-0-		CHAVEZ & SANTOS
[illegible]	[illegible]	[illegible]	[illegible]	-0-		[illegible]

01189

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
6-1-94	8:45	///	///	—0—		CHAVEZ & MANDO
6-2-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-3-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-6-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-7-94	8:45	///	///	—0—		TORRES & SANTOS
6-3-94	9:00	///	///	—0—		TORRES & SANTOS
6-9-94	8:50	///	///	—0—		TORRES & SANTOS
6-10-94	8:45	///	///	—0—		TORRES & SANTOS
6-13-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-14-94	8:50	///	///	—0—		CHAVEZ & SANTOS
6-15-94	9:00	///	///	—0—		CHAVEZ & SANTOS
6-16-94	8:45	///	///	—0—		CHAVEZ & SANTOS
6-17-94	8:55	///	///	—0—		CHAVEZ & SANTOS
6-20-94	8:55	///	///	—0—		CHAVEZ SANTOS
6-21-94	9:00	///	///	—0—		CHAVEZ Santos
6-22-94	8:50	///	///	—0—		CHAVEZ Santos
6-23-94	9:00	///	///	—0—		CHAVEZ Santos
[illegible]	8:45	///	///	—0—		CHAVEZ Santos
6-27-94	8:50	///	///	—0—		CHAVEZ & Santos
[illegible]	8:55	///	///	—0—		CHAVEZ & Santos
[illegible]	8:45	///	///	—0—		CHAVEZ & Santos
[illegible]	[illegible]	///	///	—0—		CHAVEZ & Santos

01130

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:30	119	119	-0-		CHAVEZ + MANDO
5-3-94	8:25	119	119	-0-		CHAVEZ + SANTOS
5-4-94	8:20	119	119	-0-		CHAVEZ + SANTOS
5-5-94	8:30	119	119	-0-		CHAVEZ + SANTOS
5-6-94	8:20	119	119	-0-		CHAVEZ + SANTOS
5-9-94	8:15	119	119	-0-		CHAVEZ + SANTOS
5-10-94	8:25	119	119	-0-		CHAVEZ + SANTOS
5-11-94	8:30	119	119	-0-		CHAVEZ + SANTOS
5-12-94	8:20	119	119	-0-		CHAVEZ + SANTOS
5-13-94	8:30	119	119	-0-		CHAVEZ + SANTOS
5-16-94	8:20	119	119	-0-		CHAVEZ + MANDO
5-17-94	8:15	119	119	-0-		CHAVEZ + MANDO
5-18-94	8:25	119	119	-0-		CHAVEZ + SANTOS
5-19-94	8:30	119	119	-0-		CHAVEZ + SANTOS
5-20-94	8:20	119	119	-0-		CHAVEZ + SANTOS
5-23-94	8:30	119	119	-0-		CHAVEZ + SANTOS
5-24-94	8:15	119	119	-0-		CHAVEZ + SANTOS
5-25-94	8:20	119	119	-0-		CHAVEZ + SANTOS
5-26-94	8:25	119	119	-0-		CHAVEZ + SANTOS
5-27-94	8:15	119	119	-0-		CHAVEZ + SANTOS
5-31-94	8:30	119	119	-0-		CHAVEZ + SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:48	144	144	-0-		CHAVEZ + MANDO
5-3-94	8:35	144	144	-0-		CHAVEZ + SANTOS
5-4-94	8:30	144	144	-0-		CHAVEZ SANTOS
5-5-94	8:40	144	144	-0-		CHAVEZ SANTOS
5-6-94	8:30	144	144	-0-		CHAVEZ + SANTOS
5-9-94	8:25	144	144	-0-		CHAVEZ + SANTOS
5-10-94	8:35	144	144	-0-		CHAVEZ + SANTOS
5-11-94	8:40	144	144	-0-		CHAVEZ + SANTOS
5-12-94	8:30	144	144	-0-		CHAVEZ + SANTOS
5-13-94	8:40	144	144	-0-		CHAVEZ + SANTOS
5-16-94	8:30	144	144	-0-		CHAVEZ + MANDO
5-17-94	8:25	144	144	-0-		CHAVEZ + MANDO
5-18-94	8:35	144	144	-0-		CHAVEZ + SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ + SANTOS
5-20-94	8:30	144	144	-0-		CHAVEZ + SANTOS
5-23-94	8:40	144	144	-0-		CHAVEZ + SANTOS
5-24-94	8:25	144	144	-0-		CHAVEZ + SANTOS
5-25-94	8:30	144	144	-0-		CHAVEZ + SANTOS
5-26-94	8:35	144	144	-0-		CHAVEZ + SANTOS
[illegible]	8:25	144	144	-0-		CHAVEZ + SANTOS
[illegible]	8:40	144	144	-0-		CHAVEZ + SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:50	125	125	-0-		CHAVEZ & MANDO
5-3-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-4-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-5-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-6-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-9-94	8:35	125	125	-0-		CHAVEZ & SANTOS
5-10-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-11-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-12-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-13-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-16-94	8:40	125	125	-0-		CHAVEZ & MANDO
5-17-94	8:35	125	125	-0-		CHAVEZ & MANDO
5-18-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-19-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-20-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-23-94	8:50	125	125	-0-		CHAVEZ & SANTOS
5-24-94	8:35	125	125	-0-		CHAVEZ & SANTOS
5-25-94	8:40	125	125	-0-		CHAVEZ & SANTOS
5-26-94	8:45	125	125	-0-		CHAVEZ & SANTOS
5-27-94	8:35	125	125	-0-		CHAVEZ & SANTOS
5-31-94	8:50	125	125	-0-		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	8:55	124	124	-0-		CHAVEZ & MANDO
5-3-94	8:50	124	124	-0-		CHAVEZ & SANTOS
5-4-94	3:45	124	124	-0-		CHAVEZ & SANTOS
5-5-94	8:55	124	124	-0-		CHAVEZ & SANTOS
5-6-94	3:45	124	124	-0-		CHAVEZ & SANTOS
5-9-94	8:40	124	124	-0-		CHAVEZ & SANTOS
5-10-94	3:50	124	124	-0-		CHAVEZ & SANTOS
5-11-94	8:55	124	124	-0-		CHAVEZ & SANTOS
5-12-94	3:45	124	124	-0-		CHAVEZ & SANTOS
5-13-94	8:55	124	124	-0-		CHAVEZ & SANTOS
5-16-94	8:45	124	124	-0-		CHAVEZ & MANDO
5-17-94	8:40	124	124	-0-		CHAVEZ & MANDO
5-18-94	8:50	124	124	-0-		CHAVEZ & SANTOS
5-19-94	3:55	124	124	-0-		CHAVEZ & SANTOS
5-20-94	8:45	124	124	-0-		CHAVEZ & SANTOS
5-23-94	8:55	124	124	-0-		CHAVEZ & SANTOS
5-24-94	3:40	124	124	-0-		CHAVEZ & SANTOS
5-25-94	8:45	124	124	-0-		CHAVEZ & SANTOS
5-26-94	8:50	124	124	-0-		CHAVEZ & SANTOS
5-31-94	3:40	124	124	-0-		CHAVEZ & SANTOS
5-31-94	3:55	124	124	-0-		CHAVEZ & SAN[illegible]

01194

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
5-2-94	9:00	///	///	-0-		CHAVEZ & MANDO
5-3-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-4-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-5-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-6-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-9-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-10-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-11-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-12-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-13-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-16-94	8:50	///	///	-0-		CHAVEZ & MANDO
5-17-94	8:45	///	///	-0-		CHAVEZ & MANDO
5-18-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-19-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-20-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-23-94	9:00	///	///	-0-		CHAVEZ & SANTOS
5-24-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-25-94	8:50	///	///	-0-		CHAVEZ & SANTOS
5-26-94	8:55	///	///	-0-		CHAVEZ & SANTOS
5-27-94	8:45	///	///	-0-		CHAVEZ & SANTOS
5-31-94	9:00	///	///	-0-		CHAVEZ & SANTOS

DAILY LOG
FUEL RECOVERY WELLS
LARADO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-4-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-5-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-6-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-7-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-8-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-11-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-12-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-13-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-14-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-15-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-18-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-19-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-20-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-21-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-22-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-25-94	8:20	119	119	-0-		CHAVEZ T SANTOS
4-26-94	8:30	119	119	-0-		CHAVEZ T SANTOS
4-27-94	8:15	119	119	-0-		CHAVEZ T SANTOS
4-28-94	8:25	119	119	-0-		CHAVEZ T SANTOS
4-29-94	8:30	119	119	-0-		CHAVEZ T SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:30	143	143	-0-		CHAVEZ & SANTOS
4-4-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-5-94	8:25	143	143	-0-		CHAVEZ & SANTOS
4-6-94	8:30	143	143	-0-		CHAVEZ & SANTOS
4-7-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-8-94	8:35	143	143	-0-		CHAVEZ & SANTOS
4-11-94	8:25	143	143	-0-		CHAVEZ & SANTOS
4-12-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-13-94	8:30	143	143	-0-		CHAVEZ & SANTOS
4-14-94	8:25	143	143	-0-		CHAVEZ & SANTOS
4-15-94	8:35	143	143	-0-		CHAVEZ & SANTOS
4-18-94	8:30	143	143	-0-		CHAVEZ & SANTOS
4-19-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-20-94	8:25	143	143	-0-		CHAVEZ & SANTOS
4-21-94	8:35	143	143	-0-		CHAVEZ & SANTOS
4-22-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-25-94	8:20	143	143	-0-		CHAVEZ & SANTOS
4-26-94	8:40	143	143	-0-		CHAVEZ & SANTOS
4-27-94	8:25	143	143	-0-		CHAVEZ & SANTOS
4-28-94	8:35	143	143	-0-		CHAVEZ & SANTOS
4-29-94	8:40	143	143	-0-		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-4-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-5-94	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ SANTOS
4-8-94	8:45	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:35	125	125	-0-		CHAVEZ SANTOS
4-12-94	8:50	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ SANTOS
4-14-94	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
4-18-94	8:40	125	125	-0-		CHAVEZ SANTOS
4-19-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-20-94	8:35	125	125	-0-		CHAVEZ SANTOS
4-21-94	8:45	125	125	-0-		CHAVEZ SANTOS
4-22-94	8:50	125	125	-0-		CHAVEZ SANTOS
4-25-94	8:40	125	[illegible]	-0-		CHAVEZ SANTOS
4-26-94	8:50	125	[illegible]	-0-		CHAVEZ SANTOS
4-27-94	8:35	125	125	-0-		CHAVEZ SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ SANTOS
4-29-94	8:50	125	125	-0-		CHAVEZ SANTOS

01198

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:45	124	124	-0-		CHAVEZ & SANTOS
4-4-94	8:55	124	124	-0-		CHAVEZ & SANTOS
4-5-94	8:40	124	124	-0-		CHAVEZ & SANTOS
4-6-94	8:45	124	124	-0-		CHAVEZ & SANTOS
4-7-94	8:55	124	124	-0-		CHAVEZ & SANTOS
4-8-94	8:50	124	124	-0-		CHAVEZ & SANTOS
4-11-94	8:40	124	124	-0-		CHAVEZ & SANTOS
4-12-94	8:55	124	124	-0-		CHAVEZ & SANTOS
4-13-94	8:45	124	124	-0-		CHAVEZ & SANTOS
[illegible]	8:40	124	124	-0-		CHAVEZ & SANTOS
4-15-94	8:50	124	124	-0-		CHAVEZ & SANTOS
4-18-94	8:45	124	124	-0-		CHAVEZ & SANTOS
4-19-94	8:55	124	124	-0-		CHAVEZ & SANTOS
4-20-94	8:40	124	124	-0-		CHAVEZ & SANTOS
4-21-94	8:50	124	124	-0-		CHAVEZ & SANTOS
4-22-94	8:55	124	124	-0-		CHAVEZ & SANTOS
[illegible]	8:45	124	124	-0-		CHAVEZ & SANTOS
4-26-94	8:55	124	124	-0-		CHAVEZ & SANTOS
4-27-94	8:40	124	124	-0-		CHAVEZ & SANTOS
4-25-94	8:50	124	124	-0-		CHAVEZ & SANTOS
[illegible]	8:55	124	124	-0-		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
4-1-94	8:50	///	///	-0-		CHAVEZ SANTOS
4-4-94	9:00	///	///	-0-		CHAVEZ SANTOS
4-5-94	8:45	///	///	-0-		CHAVEZ SANTOS
4-6-94	8:50	///	///	-0-		CHAVEZ SANTOS
4-7-94	9:00	///	///	-0-		CHAVEZ SANTOS
4-8-94	8:55	///	///	-0-		CHAVEZ SANTOS
4-11-94	8:45	///	///	-0-		CHAVEZ SANTOS
4-12-94	9:00	///	///	-0-		CHAVEZ SANTOS
[illegible]-3-94	8:50	///	///	-0-		CHAVEZ SANTOS
4-14-94	8:45	///	///	-0-		CHAVEZ SANTOS
4-15-94	8:55	///	///	-0-		CHAVEZ SANTOS
4-18-94	8:50	///	///	-0-		CHAVEZ SANTOS
4-19-94	9:00	///	///	-0-		CHAVEZ SANTOS
4-20-94	8:45	///	///	-0-		CHAVEZ SANTOS
4-21-94	3:55	///	///	-0-		CHAVEZ SANTOS
4-22-94	9:00	///	///	-0-		CHAVEZ SANTOS
4-25-94	8:50	///	///	-0-		CHAVEZ SANTOS
4-26-94	9:00	///	///	-0-		CHAVEZ SANTOS
4-27-94	3:45	///	///	-0-		CHAVEZ SANTOS
4-28-94	8:55	///	///	-0-		CHAVEZ SANTOS
4-29-94	9:00	///	///	-0-		CHAVEZ SANTOS

01200

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-1-94	8:30	118	118	-0-		CHAVEZ & SANTOS
3-2-94	8:25	118	118	-0-		CHAVEZ & SANTOS
3-3-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-4-94	8:30	118	118	-0-		CHAVEZ & MANDO
3-7-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-8-94	8:15	118	118	-0-		CHAVEZ & SANTOS
3-9-94	8:25	118	118	-0-		CHAVEZ & SANTOS
3-10-94	8:30	118	118	-0-		CHAVEZ & SANTOS
3-[illegible]-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-[illegible]-94	8:30	118	118	-0-		CHAVEZ & SANTOS
3-[illegible]-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-1[illegible]-94	8:15	118	118	-0-		CHAVEZ & SANTOS
3-[illegible]-94	8:25	118	118	-0-		CHAVEZ & SANTOS
3-18-94	8:30	118	118	-0-		CHAVEZ & SANTOS
3-[illegible]-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-22-94	8:30	118	118	-0-		CHAVEZ & SANTOS
3-23-94	8:15	118	118	-0-		CHAVEZ & SANTOS
3-24-94	8:20	118	118	-0-		CHAVEZ & SANTOS
3-2[illegible]-94	8:25	118	118	-0-		CHAVEZ & SANTOS

01201

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-1-94	8:40	142	142	-0-		CHAVEZ Y SANTOS
3-2-94	8:35	142	142	-0-		CHAVEZ Y SANTOS
3-3-94	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:40	142	142	-0-		CHAVEZ Y MANDO
3-[illegible]	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:25	142	142	-0-		CHAVEZ Y SANTOS
[illegible]	8:35	142	142	-0-		CHAVEZ Y SANTOS
[illegible]	8:40	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:40	142	142	-0-		CHAVEZ Y SANTOS
[illegible]	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:25	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:35	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]-94	8:40	142	142	-0-		CHAVEZ Y SANTOS
3-[illegible]	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-22-94	8:40	142	142	-0-		CHAVEZ Y SANTOS
3-23-94	8:25	142	142	-0-		CHAVEZ Y SANTOS
3-24-94	8:30	142	142	-0-		CHAVEZ Y SANTOS
3-25-94	8:35	142	142	-0-		CHAVEZ Y SANTOS

01202

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-1-94	8:50	125	125	-0-		CHAVEZ & SANTOS
3-2-94	8:45	125	125	-0-		CHAVEZ & SANTOS
3-3-94	8:40	125	125	-0-		CHAVEZ & SANTOS
3-4-94	8:50	125	125	-0-		CHAVEZ & MANDO
[illegible]	8:40	125	125	-0-		CHAVEZ & SANTOS
3-8-94	8:35	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ & SANTOS
3-10-94	8:50	125	125	-0-		CHAVEZ & SANTOS
3-11-94	8:40	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:50	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:25	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:45	125	125	-0-		CHAVEZ & SANTOS
3-18-94	8:50	125	125	-0-		CHAVEZ & SANTOS
[illegible]	8:40	125	125	-0-		CHAVEZ & SANTOS
3-22-94	8:50	125	125	-0-		CHAVEZ & SANTOS
3-23-94	8:35	125	125	-0-		CHAVEZ & SANTOS
3-24-94	8:40	125	125	-0-		CHAVEZ & SANTOS
3-25-94	8:45	125	125	-0-		CHAVEZ & SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-1-94	8:55	124	124	—0—		CHAVEZ & SANTOS
3-2-94	8:50	124	124	—0—		CHAVEZ & SANTOS
3-3-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-4-94	8:55	124	124	—0—		CHAVEZ & MANDO
3-7-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-8-94	8:40	124	124	—0—		CHAVEZ & SANTOS
3-9-94	8:50	124	124	—0—		CHAVEZ & SANTOS
3-10-94	8:55	124	124	—0—		CHAVEZ & SANTOS
3-11-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-14-94	8:55	124	124	—0—		CHAVEZ & SANTOS
3-15-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-16-94	8:40	124	124	—0—		CHAVEZ & SANTOS
3-17-94	8:50	124	124	—0—		CHAVEZ & SANTOS
3-18-94	8:55	124	124	—0—		CHAVEZ & SANTOS
3-21-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-22-94	8:55	124	124	—0—		CHAVEZ & SANTOS
3-23-94	8:40	124	124	—0—		CHAVEZ & SANTOS
3-24-94	8:45	124	124	—0—		CHAVEZ & SANTOS
3-25-94	8:50	124	124	—0—		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-1-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-2-94	8:55	///	///	-0-		CHAVEZ & SANTOS
3-3-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-4-94	9:00	///	///	-0-		CHAVEZ & MANDO
3-7-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-8-94	8:45	///	///	-0-		CHAVEZ & SANTOS
3-9-94	8:55	///	///	-0-		CHAVEZ & SANTOS
3-10-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-11-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-14-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-15-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-16-94	8:45	///	///	-0-		CHAVEZ & SANTOS
3-17-94	8:55	///	///	-0-		CHAVEZ & SANTOS
3-18-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-21-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-22-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-23-94	8:45	///	///	-0-		CHAVEZ & SANTOS
3-24-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-25-94	8:55	///	///	-0-		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) – (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-28-94	8:15	118	118	—0—		CHAVEZ+ SANTOS
3-29-94	8:30	118	118	—0—		CHAVEZ+ SANTOS
3-30-94	8:20	118	118	—0—		CHAVEZ+ SANTOS
3-31-94	8:30	118	118	—0—		CHAVEZ+ SANTOS

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-28-94	8:25	142	142	-0-		CHAVEZ & SANTOS
3-29-94	8:40	142	142	-0-		CHAVEZ & SANTOS
3-30-94	8:30	142	142	-0-		CHAVEZ & SANTOS
3-31-94	8:40	142	142	-0-		CHAVEZ & SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-28-94	8:35	125	125	-0-		CHAVEZ & SANTOS
3-29-94	8:50	125	125	-0-		CHAVEZ & SANTOS
3-30-94	8:40	125	125	-0-		CHAVEZ & SANTOS
3-31-94	8:50	125	125	-0-		CHAVEZ & SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-28-94	8:40	124	124	-0-		CHAVEZ SANTOS
3-29-94	8:55	124	124	-0-		CHAVEZ SANTOS
3-30-94	8:45	124	124	-0-		CHAVEZ SANTOS
3-31-94	8:55	124	124	-0-		CHAVEZ SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
3-28-94	8:45	///	///	-0-		CHAVEZ & SANTOS
3-29-94	9:00	///	///	-0-		CHAVEZ & SANTOS
3-30-94	8:50	///	///	-0-		CHAVEZ & SANTOS
3-31-94	9:00	///	///	-0-		CHAVEZ & SANTOS

FUEL RECOVERY WELLS
LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
2-1-94	8:15	117	117	-0-		CHAVEZ & MANDO
2-2-94	8:20	117	117	-0-		CHAVEZ & MANDO
2-3-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-4-94	8:25	117	117	-0-		CHAVEZ & MANDO
2-7-94	8:15	117	117	-0-		CHAVEZ & MANDO
2-8-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-9-94	8:20	117	117	-0-		CHAVEZ & MANDO
2-10-94	8:15	117	117	-0-		CHAVEZ & MANDO
2-11-94	8:25	117	117	-0-		CHAVEZ & MANDO
2-14-94	8:20	117	117	-0-		CHAVEZ & MANDO
2-15-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-16-94	8:15	117	117	-0-		CHAVEZ & MANDO
[illegible]-94	8:25	117	117	-0-		CHAVEZ & MANDO
2-15-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-22-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-23-94	8:30	117	117	-0-		CHAVEZ & MANDO
2-24-94	8:15	117	117	-0-		CHAVEZ & MANDO
2-25-94	8:25	117	117	-0-		CHAVEZ & MANDO
2-28-94	8:30	117	117	-0-		CHAVEZ & SANTOS

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
2-1-94	8:25	141	141	-0-		CHAVEZ+ MANDO
2-2-94	8:30	141	141	-0-		CHAVEZ+ MANDO
2-3-94	8:40	141	141	-0-		CHAVEZ+ MANDO
2-4-94	8:35	141	141	-0-		CHAVEZ+ MANDO
2-7-94	8:25	141	141	-0-		CHAVEZ+ MANDO
2-8-94	8:40	141	141	-0-		CHAVEZ+ MANDO
2-9-94	8:30	141	141	-0-		CHAVEZ+ MANDO
2-10-94	8:25	141	141	-0-		CHAVEZ+ MANDO
2-11-94	8:35	141	141	-0-		CHAVEZ+ MANDO
2-14-94	8:30	141	141	-0-		CHAVEZ+ MANDO
2-15-94	8:40	141	141	-0-		CHAVEZ+ MANDO
2-16-94	8:25	141	141	-0-		CHAVEZ+ MANDO
2-17-94	8:35	141	141	-0-		CHAVEZ+ MANDO
2-18-94	8:40	141	141	-0-		CHAVEZ+ MANDO
2-22-94	8:30	141	141	-0-		CHAVEZ+ MANDO
2-23-94	8:40	141	141	-0-		CHAVEZ+ MANDO
2-24-94	8:25	141	141	-0-		CHAVEZ+ MANDO
2-25-94	8:35	141	141	-0-		CHAVEZ+ MANDO
2-28-94	8:40	141	141	-0-		CHAVEZ+ SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
2-1-94	8:35	125	125	-0-		CHAVEZ & MANDO
2-2-94	8:40	125	125	-0-		CHAVEZ & MANDO
2-3-94	8:50	125	125	-0-		CHAVEZ & MANDO
2-4-94	8:45	125	125	-0-		CHAVEZ & MANDO
2-7-94	8:35	125	125	-0-		CHAVEZ & MANDO
2-8-94	8:50	125	125	-0-		CHAVEZ & MANDO
2-9-94	8:40	125	125	-0-		CHAVEZ & MANDO
2-10-94	8:35	125	125	-0-		CHAVEZ & MANDO
2-11-94	8:45	125	125	-0-		CHAVEZ & MANDO
2-14-94	8:40	125	125	-0-		CHAVEZ & MANDO
2-15-94	8:50	125	125	-0-		CHAVEZ & MANDO
2-16-94	8:35	125	125	-0-		CHAVEZ & MANDO
2-17-94	8:45	125	125	-0-		CHAVEZ & MANDO
2-18-94	8:50	125	125	-0-		CHAVEZ & MANDO
2-22-94	8:40	125	125	-0-		CHAVEZ & MANDO
2-23-94	8:50	125	125	-0-		CHAVEZ & MANDO
2-24-94	8:35	125	125	-0-		CHAVEZ & MANDO
2-25-94	8:45	125	125	-0-		CHAVEZ & MANDO
2-28-94	8:50	125	125	-0-		CHAVEZ & SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
2-1-94	8:40	124	124	-0-		CHAVEZ T MANDO
2-2-94	8:45	124	124	-0-		CHAVEZ T MANDO
2-3-94	8:55	124	124	-0-		CHAVEZ T MANDO
2-4-94	8:50	124	124	-0-		CHAVEZ T MANDO
2-7-94	8:40	124	124	-0-		CHAVEZ T MANDO
2-8-94	8:55	124	124	-0-		CHAVEZ T MANDO
2-9-94	8:45	124	124	-0-		CHAVEZ T MANDO
2-10-94	8:40	124	124	-0-		CHAVEZ T MANDO
2-11-94	8:50	124	124	-0-		CHAVEZ T MANDO
2-14-94	8:45	124	124	-0-		CHAVEZ T MANDO
2-15-94	8:55	124	124	-0-		CHAVEZ T MANDO
2-16-94	8:40	124	124	-0-		CHAVEZ T MANDO
2-17-94	8:50	124	124	-0-		CHAVEZ T MANDO
2-18-94	8:55	124	124	-0-		CHAVEZ T MANDO
2-22-94	8:45	124	124	-0-		CHAVEZ T MANDO
2-23-94	8:55	124	124	-0-		CHAVEZ T MANDO
2-24-94	8:40	124	124	-0-		CHAVEZ T MANDO
2-25-94	8:50	124	124	-0-		CHAVEZ T MANDO
2-28-94	8:55	124	124	-0-		CHAVEZ T SANTOS

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
2-1-94	8:45	///	///	-0-		CHAVEZ+ MANDO
2-2-94	8:50	///	///	-0-		CHAVEZ+ MANDO
2-3-94	9:00	///	///	-0-		CHAVEZ+ MANDO
2-4-94	8:55	///	///	-0-		CHAVEZ+ MANDO
2-7-94	8:45	///	///	-0-		CHAVEZ+ MANDO
2-8-94	9:00	///	///	-0-		CHAVEZ+ MANDO
2-9-94	8:50	///	///	-0-		CHAVEZ+ MANDO
2-10-94	8:45	///	///	-0-		CHAVEZ+ MANDO
2-11-94	8:55	///	///	-0-		CHAVEZ+ MANDO
2-14-94	8:50	///	///	-0-		CHAVEZ+ MANDO
2-15-94	9:00	///	///	-0-		CHAVEZ+ MANDO
2-16-94	8:45	///	///	-0-		CHAVEZ+ MANDO
2-17-94	8:55	///	///	-0-		CHAVEZ+ MANDO
2-18-94	9:00	///	///	-0-		CHAVEZ+ MANDO
2-22-94	8:50	///	///	-0-		CHAVEZ+ MANDO
2-23-94	9:00	///	///	-0-		CHAVEZ+ MANDO
2-24-94	8:45	///	///	-0-		CHAVEZ+ MANDO
2-25-94	8:55	///	///	-0-		CHAVEZ+ MANDO
2-28-94	9:00	///	///	-0-		CHAVEZ+ SANTOS

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 6

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
1-3-94	8:30	116	116	-0-		CHAVEZ & SANTOS
1-4-94	8:25	116	116	-0-		CHAVEZ & SANTOS
1-5-94	8:20	116	116	-0-		CHAVEZ & SANTOS
1-6-94	8:30	116	116	-0-		CHAVEZ & SANTOS
1-7-94	8:20	116	116	-0-		CHAVEZ & SANTOS
1-10-94	8:15	116	116	-0-		CHAVEZ & SANTOS
1-11-94	8:25	116	116	-0-		CHAVEZ & SANTOS
1-12-94	8:30	116	116	-0-		CHAVEZ & SANTOS
1-13-94	8:20	116	116	-0-		CHAVEZ & SANTOS
1-14-94	8:30	116	116	-0-		CHAVEZ & SANTOS
1-17-94	8:20	116	116	-0-		CHAVEZ & SANTOS
1-18-94	8:15	116	116	-0-		CHAVEZ & MANDO
1-19-94	8:25	116	116	-0-		CHAVEZ & MANDO
[illegible]-94	8:30	116	116	-0-		CHAVEZ & MANDO
1-21-94	8:20	116	116	-0-		CHAVEZ & MANDO
1-24-94	8:30	116	116	-0-		CHAVEZ & MANDO
1-25-94	8:15	116	116	-0-		CHAVEZ & MANDO
1-26-94	8:20	116	116	-0-		CHAVEZ & MANDO
1-27-94	8:25	116	116	-0-		CHAVEZ & MANDO
1-28-94	8:15	116	116	-0-		CHAVEZ & MANDO
1-31-94	8:30	116	116	-0-		CHAVEZ & MANDO

LAREDO INTERNATIONAL AIRPORT

RECOVERY WELL NO. 5

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
1-3-94	8:40	140	140	-0-		CHAVEZ & SANTOS
1-4-94	8:35	140	140	-0-		CHAVEZ & SANTOS
1-5-94	8:30	140	140	-0-		CHAVEZ & SANTOS
1-6-94	8:40	140	140	-0-		CHAVEZ & SANTOS
1-7-94	8:30	140	140	-0-		CHAVEZ & SANTOS
1-10-94	8:25	140	140	-0-		CHAVEZ & SANTOS
1-11-94	8:35	140	140	-0-		CHAVEZ & SANTOS
1-12-94	8:40	140	140	-0-		CHAVEZ & SANTOS
1-13-94	8:30	140	140	-0-		CHAVEZ & SANTOS
1-14-94	8:40	140	140	-0-		CHAVEZ & SANTOS
1-17-94	8:30	140	140	-0-		CHAVEZ & SANTOS
1-18-94	8:25	140	140	-0-		CHAVEZ & MANDO
1-19-94	8:35	140	140	-0-		CHAVEZ & MANDO
1-20-94	8:40	140	140	-0-		CHAVEZ & MANDO
1-21-94	8:30	140	140	-0-		CHAVEZ & MANDO
1-24-94	8:40	140	140	-0-		CHAVEZ & MANDO
1-25-94	8:25	140	140	-0-		CHAVEZ & MANDO
1-26-94	8:30	140	140	-0-		CHAVEZ & MANDO
1-27-94	8:35	140	140	-0-		CHAVEZ & MANDO
1-28-94	8:25	140	140	-0-		CHAVEZ & MANDO
1-31-94	8:40	140	140	-0-		CHAVEZ & MANDO

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 2

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
1-3-94	8:50	125	125	-0-		CHAVEZ T SANTOS
1-4-94	8:45	125	125	-0-		CHAVEZ T SANTOS
1-5-94	8:40	125	125	-0-		CHAVEZ T SANTOS
1-6-94	8:50	125	125	-0-		CHAVEZ T SANTOS
1-7-94	8:40	125	125	-0-		CHAVEZ T SANTOS
1-10-94	8:35	125	125	-0-		CHAVEZ T SANTOS
1-11-94	8:45	125	125	-0-		CHAVEZ T SANTOS
1-12-94	8:50	125	125	-0-		CHAVEZ T SANTOS
1-13-94	8:40	125	125	-0-		CHAVEZ T SANTOS
1-14-94	8:50	125	125	-0-		CHAVEZ T SANTOS
1-17-94	8:40	125	125	-0-		CHAVEZ T SANTOS
1-18-94	8:35	125	125	-0-		CHAVEZ T MANDO
1-19-94	8:45	125	125	-0-		CHAVEZ T MANDO
1-20-94	8:50	125	125	-0-		CHAVEZ T MANDO
1-21-94	8:40	125	125	-0-		CHAVEZ T MANDO
1-24-94	8:50	125	125	-0-		CHAVEZ T MANDO
1-25-94	8:35	125	125	-0-		CHAVEZ T MANDO
1-26-94	8:40	125	125	-0-		CHAVEZ T MANDO
1-27-94	8:45	125	125	-0-		CHAVEZ T MANDO
1-28-94	8:35	125	125	-0-		CHAVEZ T MANDO
1-31-94	8:50	125	125	-0-		CHAVEZ T MANDO

LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 3

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
1-3-94	8:55	124	124	-0-		CHAVEZ SANTOS
1-4-94	8:50	124	124	-0-		CHAVEZ SANTOS
1-5-94	8:45	124	124	-0-		CHAVEZ SANTOS
1-6-94	8:55	124	124	-0-		CHAVEZ SANTOS
1-7-94	8:45	124	124	-0-		CHAVEZ SANTOS
1-10-94	8:40	124	124	-0-		CHAVEZ SANTOS
1-11-94	8:50	124	124	-0-		CHAVEZ SANTOS
1-12-94	8:55	124	124	-0-		CHAVEZ SANTOS
1-13-94	8:45	124	124	-0-		CHAVEZ SANTOS
1-14-94	8:55	124	124	-0-		CHAVEZ SANTOS
1-17-94	8:45	124	124	-0-		CHAVEZ SANTOS
1-18-94	8:40	124	124	-0-		CHAVEZ MANDO
1-19-94	8:50	124	124	-0-		CHAVEZ MANDO
1-20-94	8:55	124	124	-0-		CHAVEZ MANDO
1-21-94	8:45	124	124	-0-		CHAVEZ MANDO
1-[illegible]-94	8:55	124	124	-0-		CHAVEZ MANDO
1-25-94	8:40	124	124	-0-		CHAVEZ MANDO
1-26-94	8:45	124	124	-0-		CHAVEZ MANDO
1-27-94	8:50	124	124	-0-		CHAVEZ MANDO
1-28-94	8:40	124	124	-0-		CHAVEZ MANDO
1-31-94	8:55	124	124	-0-		CHAVEZ MANDO

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LAREDO INTERNATIONAL AIRPORT

MONITOR WELL NO. 1

DATE	TIME	(A) TOP OF LIQUID INCHES	(B) TOP OF WATER INCHES	(C) LAYER OF PETROLEUM (B) - (A) INCHES	(D) GALLONS RECOVERED	(E) OPERATOR
1-3-94	9:00	///	///	-0-		CHAVEZ & SANTOS
1-4-94	8:55	///	///	-0-		CHAVEZ & SANTOS
1-5-94	8:50	///	///	-0-		CHAVEZ & SANTOS
1-6-94	9:00	///	///	-0-		CHAVEZ & SANTOS
1-7-94	8:50	///	///	-0-		CHAVEZ & SANTOS
1-10-94	8:45	///	///	-0-		CHAVEZ & SANTOS
1-11-94	8:55	///	///	-0-		CHAVEZ & SANTOS
1-12-94	9:00	///	///	-0-		CHAVEZ & SANTOS
1-13-94	8:50	///	///	-0-		CHAVEZ & SANTOS
1-14-94	9:00	///	///	-0-		CHAVEZ & SANTOS
1-17-94	8:50	///	///	-0-		CHAVEZ & SANTOS
1-18-94	8:45	///	///	-0-		CHAVEZ & MANDO
1-19-94	8:55	///	///	-0-		CHAVEZ & MANDO
1-20-94	9:00	///	///	-0-		CHAVEZ & MANDO
1-21-94	8:50	///	///	-0-		CHAVEZ & MANDO
1-24-94	9:00	///	///	-0-		CHAVEZ & MANDO
1-25-94	8:45	///	///	-0-		CHAVEZ & MANDO
1-26-94	8:50	///	///	-0-		CHAVEZ & MANDO
1-27-94	8:55	///	///	-0-		CHAVEZ & MANDO
1-28-94	8:45	///	///	-0-		CHAVEZ & MANDO
1-31-94	9:00	///	///	-0-		CHAVEZ & MANDO

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APPENDIX C

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

R-KCI Standard Field and Laboratory Methods

01221

FIELD AND LABORATORY METHODS

The field and laboratory procedures employed during this study are those considered to be good standard practice in the Geoscience and Environmental Engineering professions. This appendix describes standard field and laboratory methods used by Raba-Kistner Consultants, Inc. (R-KCI).

FIELD METHODS

GROUND-WATER MONITORING AND SAMPLING

Water Level Measurements

Water levels are measured in three or more monitoring wells to determine the direction of ground-water flow. Water levels are measured to within 0.01 ft. Measurements are made with an Olympus Well Probe (E-line), an interface probe, or a tape and plopper. Water levels are measured as the depth from the top of the PVC casing. These depths are converted to elevations above sea level. The ground-water elevations are contoured to determine the direction of ground-water flow.

Well Purging

Just prior to sampling, monitoring wells are purged of approximately three well volumes. Ground water is bailed from the well using a disposable bailer suspended from a new nylon rope or string. In wells where the rate of recovery is very slow, a minimum of one well volume is removed.

Ground-water Sampling

Ground-water samples are generally taken from the monitoring wells no sooner than 24 hours after well installation. Sampling of wells is performed with disposable bailers using new nylon rope or string. Water samples are immediately placed in amber bottles with Teflon lids. The bottles are completely filled so as not to leave a head space. Filled sample bottles are placed in a cooler with ice and transported to R-KCI's analytical laboratory within 24 hours of sample collection. Chain-of-custody forms are completed at the time of sample collection and transported with the samples.

ANALYTICAL CHEMISTRY METHODS

The purposes of the laboratory analyses are to determine the levels of contamination in the various media being sampled.

CONTAMINANT CHARACTERIZATION

Benzene, Toluene, Ethylbenzene, and Xylenes; Methyl-Tertiary-Butyl Ether

Gasoline contamination is evaluated by analyzing for four indicator constituents: benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX and when appropriate, methyl-tertiary-butyl ether (MTBE). Samples for BTEX and MTBE analysis are prepared following EPA Method 5030 (purge-and-trap method). BTEX and MTBE in both soil and water are analyzed following GC / PID photoionization detector method 8020. The methods are described in detail in US EPA Publication SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Volumes IA, IB, IC, and II.

The specific methods of analysis used for each study are described on the Report of Analysis. For all three methods, the normal detection limit for each constituent of BTEX and MTBE is 0.005 mg/l for water and 0.4 mg/kg for soil. The results of analyses on soils are presented on the appropriate boring logs and in table form presented in appropriate reports.

Total Petroleum Hydrocarbons

Levels of petroleum hydrocarbon contamination are determined by measuring for total petroleum hydrocarbons (TPH). Soil samples for TPH analysis are prepared following EPA Method 3550 (sonication/Freon- extraction method). TPH in soil and water samples are analyzed following EPA 600/4-79-20, Method 418.1 (Freon-extraction method). The method is described in detail in US EPA Publication 600, Methods for Chemical Analysis of Water and Wastes. The normal detection limit for soil is 10 mg/kg and the detection limit for water is 0.2 mg/l in method 418.1. The results of analyses on soils are presented on the appropriate boring logs and in table form presented in appropriate reports.

Document
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ANNUAL GROUND WATER MONITORING REPORT
DECEMBER 1995

LPST ID No. 95021

AIRPORT FUEL FARM
518 FLIGHTLINE
LAREDO (WEBB COUNTY), TEXAS

Prepared for

CITY OF LAREDO
1110 HOUSTON
LAREDO, TEXAS 78042

Prepared by:

RABA-KISTNER CONSULTANTS, INC.

Project No. ASB92-034-04

JANUARY 12, 1996

Engineers, Geologists, Hygienists and Environmental Scientists

Raba-Kistner
Consultants, Inc.

12821 W. Golden Lane
P.O. Box 690287, San Antonio, TX 78269-0287
(210) 699-9090 • FAX (210) 699-6426

Project No. ASB92-034-04
January 12, 1996

Mr. Rogelio Rivera, P.E.
City Engineer
City of Laredo
1110 Houston
P.O. Box 579
Laredo, Texas 78042

Re: Annual Ground Water Monitoring Report - December 1995
Airport Fuel Farm
518 Flightline, Laredo (Webb County), Texas
LPST ID No. 95021

Dear Mr. Rivera:

Enclosed is the Annual Ground Water Monitoring Report at the above-referenced site. This report is in the format requested by the Texas Natural Resources Conservation Commission (TNRCC). This report summarizes the semi-annual monitoring event of August 1995, and the annual monitoring event performed in December 1995.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please do not hesitate to call.

Very truly yours,

RABA-KISTNER CONSULTANTS, INC.

Kevin L. Wooster

Kevin L. Wooster, R.G., C.P.G., CAPM 00406
Hydrogeologist

KLW/bk
Copies Submitted: Above (1)

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Project No. ASB92-034-04
January 12, 1996

TABLE OF CONTENTS

ILLUSTRATIONS

APPENDICES

1.0 REPORT SUMMARY

This report summarizes two ground water monitoring events that were conducted at the City of Laredo International Airport Fuel Farm located in Laredo, Texas. The ground water monitoring events were performed on August 30, 1995, and on December 13, 1995.

Light non-aqueous phase liquid (LNAPL) hydrocarbons were observed in recovery well RW-6, and in monitoring wells MW-2 and MW-10 during the August 1995 event. LNAPL hydrocarbons were observed in recovery wells RW-5 and RW-6 during the December 1995 event. As a result, these wells were not sampled during the respective monitoring events. Of the wells sampled during these events, dissolved-phase hydrocarbons were detected in MW-1, MW-2, MW-3, MW-4, MW-7, and MW-10. Total petroleum hydrocarbon (TPH) concentrations ranged from not detected (ND) to 37 ppm. Total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations ranged from ND to 27.55 ppm. RW-5 was inaccessible at the time of sample collection during the August event, hence has not been included in the data for that monitoring event.

2.0 CHRONOLOGY OF EVENTS

Jul 14, 1994	Fluid levels were gauged in all nine wells. Six wells not containing LNAPL were purged and sampled; report submitted.
Dec 7, 1994	Ground water levels were gauged in all nine wells. Six wells not containing LNAPL were purged and sampled. Samples from five wells were analyzed for BTEX and TPH; report submitted herein.
Aug 30, 1995	Ground water levels were gauged in 8 wells. The five wells not containing LNAPL were purged and sampled. The samples were analyzed for BTEX and TPH; report submitted herein.
Dec 13, 1995	Fluid levels were gauged in 8 wells. The wells not containing LNAPL were purged and sampled. The samples were analyzed for BTEX and TPH; Two samples with high TPH values were analyzed for PAH; report submitted herein.

3.0 TEXT

3.1 GROUND WATER CONTAMINATION ASSESSMENT

3.1.1 August 1995 Monitoring

Fluid levels were gauged in 7 monitoring wells and 1 recovery well on August 30,1995. These wells were monitored with an interface probe and a disposable bailer to check for the presence of LNAPL. A summary of gauging data is presented on Plate 1. After gauging fluid levels, the wells were purged prior to sampling and ground water samples were collected with disposable bailers. Monitoring wells MW-1 through MW-4, and MW-7 were sampled for BTEX and TPH analysis. Three well volumes of ground water were purged from each well and ground water was containerized for disposal. Approximately 73 gal of purged water was disposed of locally at Movac Service Company. A copy of the waste manifest is provided in Appendix B.

LNAPL hydrocarbon thicknesses measured in MW-2, RW-6, and MW-10 well casings were 0.09, 0.11 ft and 0.01 ft, respectively (Plate 1).

The ground water samples were analyzed for BTEX and TPH. A summary of analytical results is presented on Plate 2. TPH and total BTEX concentrations for monitoring well MW-1 decreased significantly from 17 ppm and 10.03 ppm, respectively, to 6.2 ppm and 1.73 ppm, respectively (Plate 2). Copies of the signed Report of Analysis and Chain-of-Custody documentation are provided in Appendix A. The total BTEX in cross-gradient well MW-3 decreased from 0.0073 ppm to 0.0011 ppm while the TPH increased from ND to 1.2 ppm.

BTEX and TPH were not detected in the sample collected from MW-4 or in the quality assurance / quality control (QA/QC) trip blank. Total BTEX was detected in down-gradient well MW-7 at 0.001 ppm, with a TPH concentration of 0.38 ppm.

3.1.2 December 1995 Monitoring

Fluid levels were gauged in 7 monitoring wells and 2 recovery well on August 30,1995. These wells were monitored with an interface probe and a disposable bailer to check for the presence of LNAPL. After gauging fluid levels, the wells were purged prior to sampling and ground water samples were collected with disposable bailers. A water table elevation map is provided on Plate 3. Monitoring wells MW-1 through MW-4, MW-7, and MW-10 were sampled for BTEX, TPH, and PAH analysis. Three well volumes of ground water were purged from each well and collected for disposal. Approximately 95 gal of purged water was disposed of locally at Movac Service Company. A copy of the waste manifest is provided in Appendix B.

LNAPL hydrocarbon thicknesses measured in RW-5 and RW-6 well casings were 0.31 and 0.04 ft, respectively.

TPH concentrations for monitoring well MW-1 did not change significantly, but total BTEX concentrations increased significantly from 1.73 ppm to 27.55 ppm, respectively (Plate 2). Copies of the signed Report of Analysis and Chain-of-Custody documentation are provided in Appendix A. No LNAPL was detected in MW-2 during the December event. Total BTEX was detected in MW-2 at 2.3 ppm, with a TPH concentration of 21 ppm. Total BTEX in cross-gradient well MW-3 increased from 0.0011 ppm to 0.03 ppm, while TPH decreased from 1.2 to 0.68 ppm. A TPH concentration of 3.6 ppm, with no total BTEX, was detected in MW-4. Hydrocarbon concentrations in down-gradient well MW-7 ranged from nondetectable BTEX to 1.3 ppm TPH. Total BTEX was detected in MW-10 at 24.95 ppm, with a TPH concentration of 37 ppm.

PAH constituents were detected only in MW-1 and MW-2. Only naphthalene was detected in these wells at concentrations of 0.0072 and 0.012 ppm, respectively.

BTEX and TPH isoconcentration maps are presented on Plates 4 and 5, respectively.

Project No. ASB92-034-04
January 12, 1996

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

- Based on ground water level measurements conducted during these two events, the direction of ground water flow is to the southwest.
- Based on fluid level measurements, LNAPL hydrocarbons continue to be detected in RW-5 and RW-6. Furthermore, LNAPL appeared for the first time in MW-10 during August, but was no longer measurable in December. LNAPL thicknesses fluctuate, but continue to remain small in magnitude.
- Evidence of off-site migration has not been detected, although down-gradient well MW-7 has detectable TPH; this level appears to be slightly higher in December than in August.
- Cross-gradient well MW-3 contains levels of BTEX at or below Plan A Target Concentrations.
- Benzene concentrations detected in MW-1, MW-2, and MW-10 currently exceed Plan A Target Concentrations.

4.2 RECOMMENDATIONS

- Due to the presence of LNAPL hydrocarbons, the City should increase the frequency of monitoring from semi-annual to quarterly. All of the wells at the site should be placed on the same monitoring schedule.
- Install up to three Hydroskimmer passive recovery devices in well MW-2, MW-10, RW-5, and RW-6.
- Implement a weekly monitoring/recovery to empty/adjust the Hydroskimmers.
- Coordinate with U.S. Army Corps of Engineers (COE) to facilitate conjunctive site remedial action.

5.0 FIELD AND LABORATORY METHODS

The field and laboratory procedures employed during this study are those considered to be good standard practice in the Geoscience and Environmental Engineering professions. This section describes standard field and laboratory methods used by Raba-Kistner Consultants, Inc. (R-KCI).

5.1 FIELD METHODS

5.1.1 Well Gauging and Purging

Fluid levels are measured in three or more monitoring wells to determine the presence of NAPL hydrocarbons and the direction of ground-water flow. Fluid levels are measured to within 0.01 ft. Measurements are made with an water level indicator (E-line) or an interface probe. Fluid levels are measured as the depth to fluid surface from the top of the PVC casing. These depths are converted to elevations above sea level. The fluid elevations are contoured to determine the direction of ground-water flow.

Just prior to sampling, monitoring wells are purged of approximately three casing volumes. Ground water is bailed from the well using a disposable bailer suspended from a new nylon rope or string. In wells where the rate of recovery is very slow, a minimum of one casing volume is removed.

5.1.2 Ground Water Sampling

Ground water samples are generally taken from the monitoring wells no sooner than 24 hours after well installation. Sampling of wells is performed with disposable bailers using new nylon rope or string. Water samples are immediately placed in amber bottles with Teflon lids. The bottles are completely filled so as not to leave a head space. Filled sample bottles are placed in a cooler with ice and transported to R-KCI's analytical laboratory within 24 hours of sample collection. Chain-of-custody forms are completed at the time of sample collection and transported with the samples.

5.2 ANALYTICAL CHEMISTRY METHODS

The purposes of the laboratory analyses are to determine the concentrations of contaminant species in the various media being sampled.

5.2.1 Benzene, Toluene, Ethylbenzene, and Xylenes; Methyl Tertiary-Butyl Ether

Gasoline contamination is evaluated by analyzing for four indicator constituents: benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX and when appropriate, methyl tertiary-butyl ether (MTBE). Samples for BTEX and MTBE analysis are prepared following EPA Method 5030 (purge-and-trap method). BTEX and MTBE in both soil and water are analyzed following GC / PID photoionization detector method 8020. The methods are described in detail in US EPA Publication SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Volumes IA, IB, IC, and II.

The specific methods of analysis used for each study are described on the Report of Analysis. For all three methods, the normal practical quantification limit (PQL) for each constituent of BTEX and MTBE is 0.005 ppm for water and 0.1 ppm for soil, but can vary depending on the laboratory's system. The results of analyses on soils are presented on the appropriate boring logs and in table form presented in appropriate reports.

Total Petroleum Hydrocarbons

Concentrations of petroleum hydrocarbon contamination are determined by measuring for total petroleum hydrocarbons (TPH). Soil samples for TPH analysis are prepared following EPA Method 3550 (sonication/Freon- extraction method). TPH in soil and water samples are analyzed following EPA 600/4-79-20, Method 418.1 (Freon-extraction method). The method is described in detail in US EPA Publication 600, Methods for Chemical Analysis of Water and Wastes. The normal detection limit for soil is 10 ppm and the detection limit for water is 1.0 ppm in method 418.1. The results of analyses on soils are presented on the appropriate boring logs and in table form presented in appropriate reports.

ILLUSTRATIONS

SUMMARY OF GAUGING DATA

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

01/12/96

FILE NAME: -4WTLVL.WQ1

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-1	12/07/91	485.43	8.32	477.11		
	06/13/92		7.27	478.16		
	08/11/92		7.88	477.55		
	08/19/92		7.80	477.63		
	10/13/92		8.27	477.16		
	01/13/93		8.50	476.93		
	04/15/93		8.16	477.27		
	07/14/94		8.00	477.43		
	12/07/94		8.59	476.84		
	08/30/95		8.43	477.00		
	12/13/95		6.90	478.53		
MW-2	12/07/91	487.26	10.11	477.15		
	06/13/92		8.91	478.35		
	08/11/92		9.52	477.74		
	08/19/92		9.51	477.75		
	10/13/92		10.10	477.16		
	01/13/93		10.97	476.29		
	04/15/93		10.68	476.58		
	07/14/94		10.30	476.96	10.28	0.02
	12/07/94		10.88	476.38	10.62	0.26
	08/30/95		9.12	478.14	9.03	0.09
	12/13/95		8.28	478.98		
MW-3	12/07/91	487.19	10.18	477.01		
	06/13/92		8.93	478.26		
	08/11/92		9.52	477.67		
	08/19/92		9.52	477.67		
	10/13/92		10.20	476.99		
	01/13/93		11.45	475.74		
	04/15/93		11.05	476.14		
	07/14/94		9.00	478.19		
	12/07/94		10.63	476.56		
	08/30/95		9.01	478.18		
	12/13/95		7.42	479.77		

PROJECT No. ASB92-034-04

SUMMARY OF GAUGING DATA

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS

01/12/96

FILE NAME: -4WTLVL.WQ1

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-4	12/07/91	487.84	7.66	480.18		
	06/13/92		7.77	480.07		
	08/11/92		7.58	480.26		
	08/19/92		7.56	480.28		
	10/13/92		7.78	480.06		
	01/13/93		7.85	479.99		
	04/15/93		7.90	479.94		
	07/14/94		7.50	480.34		
	12/07/94		7.63	480.21		
	08/30/95		7.55	480.29		
	12/13/95		5.52	482.32		
RW-5	12/07/91	488.60	11.60	477.00		
	06/13/92		8.39	480.21		
	08/11/92		10.20	478.40		
	08/19/92		10.14	478.46		
	10/13/92		10.52	478.08		
	01/13/93		11.96	476.64		
	04/15/93		11.68	476.92		
	07/14/94		11.10	477.50	11.08	0.02
	12/07/94		11.81	476.79	11.31	0.50
	12/13/95		8.98	479.62	8.67	0.31
RW-6	12/07/91	488.78	9.96	478.82		
	06/13/92		8.70	480.08		
	08/11/92		8.63	480.15		
	08/19/92		8.88	479.90		
	10/13/92		9.03	479.75		
	01/13/93		8.95	479.83		
	04/15/93		10.13	478.60		
	07/14/94		9.30	479.48	9.28	0.02
	12/07/94		9.57	479.21	9.45	0.12
	08/30/95		8.83	479.95	8.72	0.11
	12/13/95		7.55	481.23	7.51	0.04

PROJECT No. ASB92-034-04

SUMMARY OF GAUGING DATA

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -4WTLVL.WQ1

01/12/96

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-7	12/07/91	485.24				
	06/13/92					
	08/11/92					
	08/19/92		9.80	475.44		
	10/13/92		10.25	474.99		
	01/13/93		9.62	475.62		
	04/15/93		9.07	476.17		
	07/14/94		8.80	476.44		
	12/07/94		10.15	475.09		
	08/30/95		8.43	476.81		
	12/13/95		6.23	479.01		
MW-8	12/07/91	484.27				
	06/13/92					
	08/11/92					
	08/19/92		8.16	476.11		
	10/13/92		10.19	474.08		
	01/13/93		7.60	476.67		
	04/15/93		7.76	476.51		
	07/14/94		8.80	475.47		
	12/07/94		8.38	475.89		
	08/30/95		6.76	477.51		
MW-9	12/07/91	487.17				
	06/13/92					
	08/11/92					
	08/19/92		7.16	480.01		
	10/13/92		7.90	479.27		
	01/13/93		8.25	478.92		

NOTE: MONITORING WELL MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

SUMMARY OF GAUGING DATA

PROJECT NAME: LAREDO AIRPORT

PROJECT LOCATION: LAREDO, TEXAS

FILE NAME: -4WTLVL.WQ1

01/12/96

WELL DESIGNATION	DATE	TOC ELEVATION (FT)	DEPTH TO WATER (FT)	WATER TABLE ELEVATION (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)
MW-10	12/07/91	487.34				
	06/13/92					
	08/11/92					
	08/19/92		8.25	479.09		
	10/13/92		8.85	478.49		
	01/13/93		9.84	477.50		
	04/15/93		9.43	477.91		
	07/14/94		8.90	478.44		
	12/07/94		9.17	478.17		
	08/30/95		8.40	478.94	8.39	0.01
	12/13/95		7.95	479.39		

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -4WATER.WQ1

01/12/96

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)	NAPTHALENE (mg/L)
MW-1	07/25/90	PAL	4.0	0.730	0.200	0.530	5.46	<0.01	13		
	12/11/91	PAL	3.056	0.531	0.143	0.446	4.176	<0.01	13.8		
	05/27/92	PAL	4.853	0.687	0.277	0.703	6.52	1.494	1.98		
	08/11/92	R-KCI	12	1.5	0.38	0.89	14.77		44		
	10/13/92	R-KCI	11	1.3	<0.5***	<0.5***	12.3		6		
	01/13/93	R-KCI	2.7	0.33	<0.12***	<0.12***	3.03		4		
	04/15/93	R-KCI	1.2	0.1	0.07	0.05	1.42		1		
	07/14/94	CHEM	7.5	0.65	<0.25***	<0.75***	8.15		3		
	12/07/94	CHEM	8.5	0.81	0.18	0.54	10.03	<1	17		
	08/30/95	CHEM	1	0.37	0.12	0.24	1.73	<0.01	6.2		
	12/14/95	CHEM	23	2.8	0.55	1.2	27.55	<0.5	6.2		0.0072
MW-2	12/11/91	PAL	0.329	0.271	0.205	0.516	1.321	<0.01	214		
	05/27/92	PAL	0.698	0.361	0.281	0.662	2.002	0.890	29.6		
	08/11/92	R-KCI	0.33	0.26	0.16	0.39	1.14		53		
	10/13/92		****	****	****	****	****	****	****	****	
	04/15/93		****	****	****	****	****	****	****	****	
	07/14/94		****	****	****	****	****	****	****	****	
	12/07/94		****	****	****	****	****	****	****	****	
	08/30/95		****	****	****	****	****	****	****	****	
	12/14/95	CHEM	0.7	0.55	0.35	0.7	2.3	<0.5	21		0.012

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -4WATER.WQ1

01/12/96

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)	NAPTHALENE (mg/L)
MW-3	07/25/90	PAL	0.860	0.082	0.190	0.280	1.412	<0.01	<10		
	12/11/91	PAL	0.010	0.018	<0.01	0.013	0.041	0.049	3.3		
	05/27/92	PAL	0.480	<0.01	0.028	<0.01	0.508	0.026	1.38		
	08/11/92	R-KCl	0.38	0.31	0.20	0.51	1.4		6		
	10/13/92	R-KCl	0.085	<0.005	0.048	<0.005	0.133		6		
	01/13/93	R-KCl	0.020	<0.005	<0.005	<0.005	0.020		2		
	04/15/93	R-KCl	0.02	<0.005	<0.005	<0.005	0.02		<1		
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		3.4		
	12/07/94	CHEM	<0.001	0.0041	0.0016	0.0016	0.0073	<0.01	<0.2		
	08/30/95	CHEM	0.004	<0.001	0.006	0.001	0.0011	<0.01	1.2		
	12/14/95	CHEM	0.03	<0.001	<0.001	<0.002	0.03	<0.01	0.68		
MW-4	07/25/90	PAL	<0.01	<0.01	<0.01	<0.01	—	<0.01	<10		
	12/11/91	PAL								3510	
	05/27/92	PAL	<0.01	<0.01	<0.01	<0.01	—	0.803	<10		
	08/11/92	R-KCl	<0.005	<0.005	<0.005	<0.005	—		<1		
	10/13/92	R-KCl	0.006	0.015	0.006	0.020	0.047		<1		
	01/13/93	R-KCl	<0.005	<0.005	<0.005	<0.005	—		<1		
	04/15/93	R-KCl	0.029	0.01	<0.005	<0.005	0.039		<1		
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	—		0.36		
	12/07/94										

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -4WATER.WQ1

01/12/96

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)	NAPTHALENE (mg/L)
MW-4	08/30/95	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01	<0.2		
(CONT'D)	12/14/95	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01	3.6		
MW-7	08/19/92	R-KCl	<0.005	<0.005	<0.005	<0.005	---	<0.005	<1		
	10/13/92	R-KCl	0.12	0.054	0.011	0.036	0.221		<1		
	01/13/93	R-KCl	0.032	0.006	0.008	<0.005	0.046		<1		
	04/15/93	R-KCl	<0.005	<0.005	<0.005	<0.005	---		<1		
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	---		0.72		
	12/07/94	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01	0.33		
	08/30/95	CHEM	<0.001	0.001	<0.001	<0.002	0.001	<0.01	0.38		
	12/14/95	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01	1.3		
MW-8	08/19/92	R-KCl	<0.005	<0.005	<0.005	<0.005	---	<0.005	<1		
	10/13/92	R-KCl	<0.005	<0.005	<0.005	<0.005	---		<1		
	01/13/93	R-KCl	<0.005	<0.005	<0.005	<0.005	---		<1		
	04/15/93	R-KCl	<0.005	<0.005	<0.005	<0.005	---		<1		
	12/07/94	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01	0.33		
MW-9	08/19/92	R-KCl	5.4	2.5	0.73	1.8	10.43	<0.13**	12		
	10/13/92	R-KCl	4.8	1.8	0.36	0.9	7.86		6		
	01/13/93	R-KCl	3.0	<0.25***	0.30	<0.25***	3.30		6		

PROJECT No. ASB92-034-04

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -4WATER.WQ1

01/12/96

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY *	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)	NAPTHALENE (mg/L)
MW-10	08/19/92	R-KCI	3.4	0.78	0.24	0.26	4.68	<0.05**	4		
	10/13/92	R-KCI	6.2	1.7	0.31	0.98	9.19		14		
	01/13/93	R-KCI	6.6	2.0	<0.5***	1.1	9.70		31		
	04/15/93	R-KCI	8.6	1.8	<2.0**	<2.0**	10.4		7		
	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	---		4.6		
	12/07/94	CHEM	7.4	2	0.42	2.7	12.52	<1			
	08/30/95	CHEM	****	****	****	****	****	****	****	****	
	12/14/95	CHEM	17	4.5	0.95	2.5	24.95	<0.5	37		

SUMMARY OF ANALYTICAL RESULTS

PROJECT NAME: LAREDO AIRPORT
PROJECT LOCATION: LAREDO, TEXAS
SAMPLE LOCATION: MONITORING WELLS
SAMPLE TYPE: GROUND WATER

FILE NAME: -4WATER.WQ1

01/12/96

SAMPLE DESIGNATION	SAMPLE DATE	SAMPLE ANALYZED BY*	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	TOTAL DETECTABLE BTEX (mg/L)	MTBE (mg/L)	TPH (mg/L)	TDS (mg/L)	NAPTHALENE (mg/L)
TRIP BLANK (MW-40)	07/14/94	CHEM	<0.005	<0.005	<0.005	<0.015	---		2.2		
(MW-1A)	12/07/94	CHEM	**0.22**	<0.1	<0.1	**0.16**	**0.38**	<1	<0.2		
(Trip Blank)	08/30/95	CHEM	<0.001	<0.001	<0.001	<0.002	---	<0.01			

* PAL = PAN AMERICAN LABORATORY, INC.
R-KCI = RABA-KISTNER CONSULTANTS, INC.
CHEM = CHEMSOLVE

** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES. MTBE WAS NOT DETECTED VIA GC/MS CONFIRMATION ANALYSIS.

*** THE PRACTICAL QUANTITATION LIMIT WAS ELEVATED DUE TO DILUTION / MATRIX INTERFERENCES.

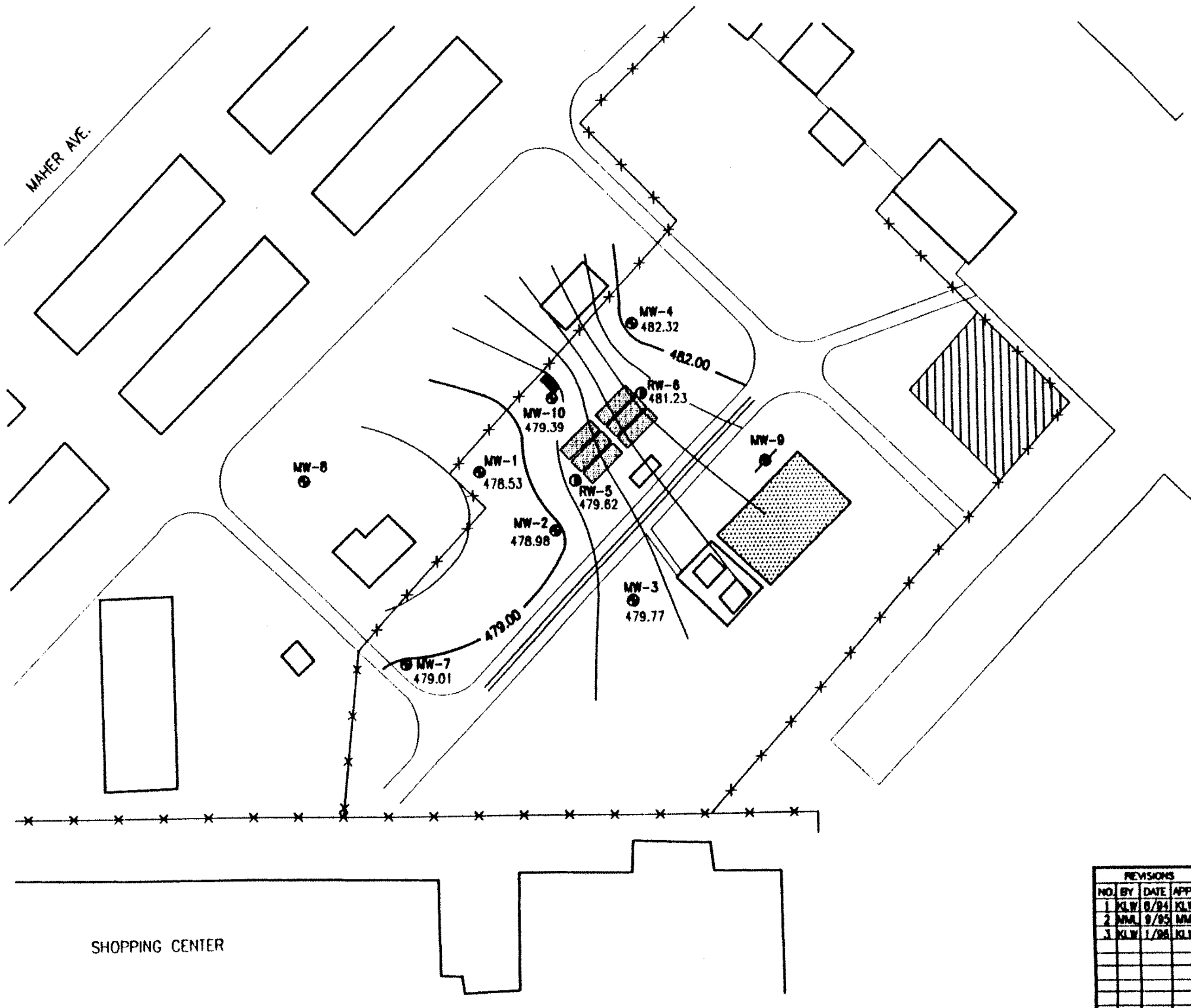
**** NOT SAMPLED - CONTAINED FREE PRODUCT

NOTES:

1.) MW-9 WAS REMOVED DURING PST EXCAVATION OPERATIONS IN JANUARY 1993.

2.) ALL BLANKS WERE SUBMITTED AS A BLIND SAMPLES. THE SAMPLE DESIGNATION GIVEN IN PARENTHESES IS THE DESIGNATION USED ON THE LABORATORY REPORTS OF ANALYSIS.

3.) SAMPLES TAKEN ON 12/07/94 FOR MW-4 (BTEX AND TPH) AND MW-10 (TPH ONLY) WERE NOT ANALYZED. SAMPLE CONTAINERS WERE BROKEN DURING SHIPPING.



LEGEND

- MONITORING WELL, ABANDONED
- MONITORING WELL
- RECOVERY WELL
- BENEFICIAL USE PST
- OIL/WATER SEPARATOR
- BUILDING
- FENCE
- NON-BENEFICIAL USE FUEL PST TANKHOLD
- BARKER AVIATION BENEFICIAL USE PST TANK AREA
- 482.00 — CONTOUR OF WATER TABLE ELEVATION, IN FEET ABOVE SEA LEVEL. CONTOUR INTERVAL = 0.5 FT. VALUES ARE POSTED AT SAMPLING STATIONS.

04WTEM02

REVISIONS			
NO.	BY	DATE	APPD
1	KLW	8/94	KLW
2	MML	9/95	MML
3	KLW	1/96	KLW

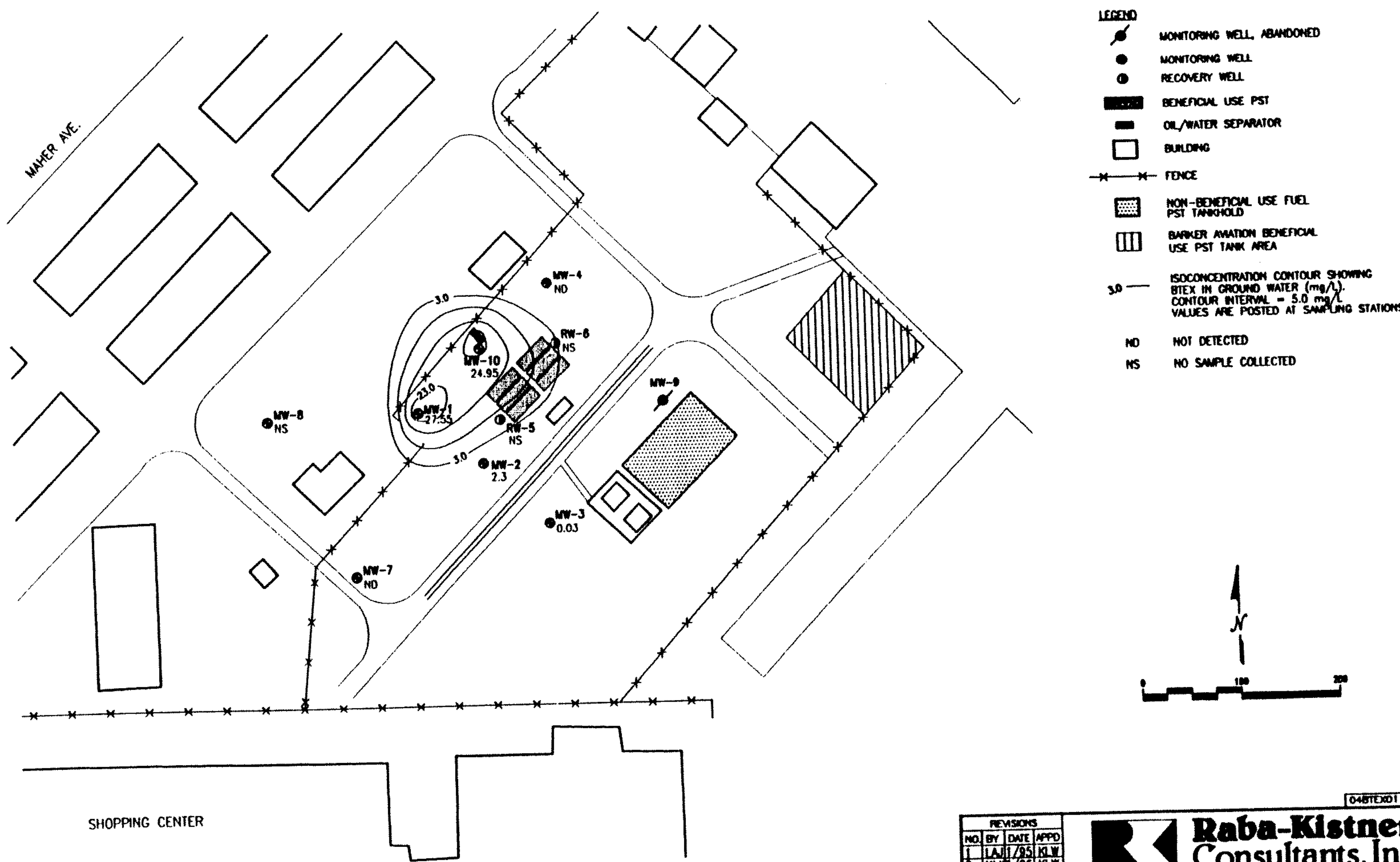
Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemist

WATER TABLE ELEVATION MAP 12/13/95
LAREDO AIRPORT
LAREDO, TEXAS

PLATE 3

01242



04BTEXD1

REVISIONS			
NO.	BY	DATE	APPD
1	LAJ	1/95	KLW
2	KLW	1/96	KLW

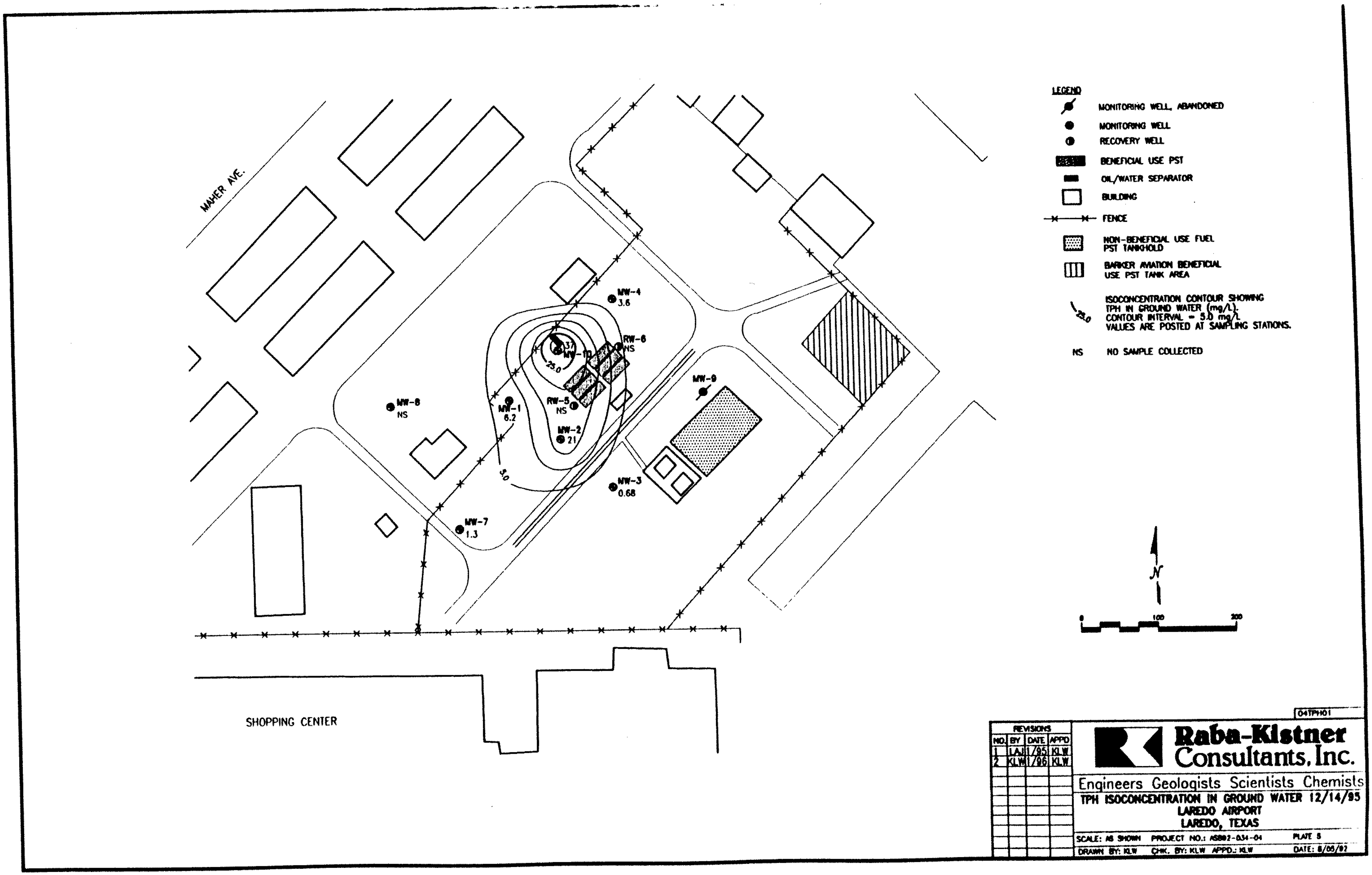
Raba-Kistner Consultants, Inc.

Engineers Geologists Scientists Chemists

BTEX ISOCONCENTRATION IN GROUND WATER 12/14/95
LAREDO AIRPORT
LAREDO, TEXAS

SCALE: AS SHOWN PROJECT NO.: AS892-034-04 PLATE 4

DRAWN BY: KLW CHK. BY: KLW APPD.: KLW DATE: 8/05/92



MAHER AVE.
SHOPPING CENTER
MW-4
3.6
RW-6
NS
37
MW-10
25.0
MW-1
6.2
RW-5
NS
MW-2
21
MW-8
NS
5.0
MW-9
MW-3
0.68
MW-7
1.3
LEGEND
MONITORING WELL, ABANDONED
MONITORING WELL
RECOVERY WELL
BENEFICIAL USE PST
OIL/WATER SEPARATOR
BUILDING
FENCE
NON-BENEFICIAL USE FUEL PST TANKHOLD
BARKER AVIATION BENEFICIAL USE PST TANK AREA
ISOCONCENTRATION CONTOUR SHOWING TPH IN GROUND WATER (mg/L). CONTOUR INTERVAL = 5.0 mg/L. VALUES ARE POSTED AT SAMPLING STATIONS.
25.0
NS NO SAMPLE COLLECTED
N
0
100
200
04TPH01
REVISIONS
NO. BY DATE APPD
1 LAJ 1/95 KLW
2 KLW 1/96 KLW
Raba-Kistner Consultants, Inc.
Engineers Geologists Scientists Chemists
TPH ISOCONCENTRATION IN GROUND WATER 12/14/95
LAREDO AIRPORT
LAREDO, TEXAS
SCALE: AS SHOWN PROJECT NO.: AS802-034-04 PLATE 5
DRAWN BY: KLW CHK. BY: KLW APPD.: KLW DATE: 8/05/92

01244

APPENDICES

APPENDIX A

GROUND WATER CONTAMINATION ASSESSMENT

Laboratory Reports of Analysis (Ground Water)
Chain-of-Custody Forms (Ground Water)

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19141

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-1
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	6.2	mg/L	0.2	418.1	12/15/95	16:05	KLR
Benzene	23,000	µg/L	50	8020	12/17/95	18:35	KLM
Ethylbenzene	550	µg/L	50	8020	12/17/95	18:35	KLM
m,p-Xylenes	600	µg/L	50	8020	12/17/95	18:35	KLM
MTBE	<500	µg/L	500	8020	12/17/95	18:35	KLM
o-Xylene	600	µg/L	50	8020	12/17/95	18:35	KLM
Toluene	2,800	µg/L	50	8020	12/17/95	18:35	KLM
Acenapthene	<1	µg/L	1	8310	12/20/95	22:47	KLM
Acenapthylene	<2	µg/L	2	8310	12/20/95	22:47	KLM
Anthracene	<0.5	µg/L	0.5	8310	12/20/95	22:47	KLM
Benzo(a)anthracene	<0.1	µg/L	0.1	8310	12/20/95	22:47	KLM
Benzo(a)pyrene	<0.02	µg/L	0.02	8310	12/20/95	22:47	KLM
Benzo(b)fluoranthene	<0.01	µg/L	0.01	8310	12/20/95	22:47	KLM
Benzo(ghi)perylene	<0.05	µg/L	0.05	8310	12/20/95	22:47	KLM
Benzo(k)fluoranthene	<0.01	µg/L	0.01	8310	12/20/95	22:47	KLM
Chrysene	<0.1	µg/L	0.1	8310	12/20/95	22:47	KLM
Dibenzo(a,h)anthracene	<0.01	µg/L	0.01	8310	12/20/95	22:47	KLM
Fluoranthene	<0.2	µg/L	0.2	8310	12/20/95	22:47	KLM
Fluorene	<0.2	µg/L	0.2	8310	12/20/95	22:47	KLM
Indeno(1,2,3-cd)pyrene	<0.02	µg/L	0.02	8310	12/20/95	22:47	KLM
Napthalene	7.2	µg/L	1	8310	12/20/95	22:47	KLM
Phenanthrene	<0.5	µg/L	0.5	8310	12/20/95	22:47	KLM
Pyrene	<0.2	µg/L	0.2	8310	12/20/95	22:47	KLM

Respectfully submitted,

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19141

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-1

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	94	62-126
Bromofluorobenzene	8020	98	70-130
Fluorobiphenyl	8310	73	43-116

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE

environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19142

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-2
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	21	mg/L	3	418.1	12/15/95	16:05	KLR
Benzene	700	µg/L	50	8020	12/17/95	18:51	KLM
Ethylbenzene	350	µg/L	50	8020	12/17/95	18:51	KLM
m,p-Xylenes	400	µg/L	50	8020	12/17/95	18:51	KLM
MTBE	<500	µg/L	500	8020	12/17/95	18:51	KLM
o-Xylene	300	µg/L	50	8020	12/17/95	18:51	KLM
Toluene	550	µg/L	50	8020	12/17/95	18:51	KLM
Acenapthene	<1	µg/L	1	8310	12/20/95	23:19	KLM
Acenapthylene	<2	µg/L	2	8310	12/20/95	23:19	KLM
Anthracene	<0.5	µg/L	0.5	8310	12/20/95	23:19	KLM
Benzo(a)anthracene	<0.1	µg/L	0.1	8310	12/20/95	23:19	KLM
Benzo(a)pyrene	<0.02	µg/L	0.02	8310	12/20/95	23:19	KLM
Benzo(b)fluoranthene	<0.01	µg/L	0.01	8310	12/20/95	23:19	KLM
Benzo(ghi)perylene	<0.05	µg/L	0.05	8310	12/20/95	23:19	KLM
Benzo(k)fluoranthene	<0.01	µg/L	0.01	8310	12/20/95	23:19	KLM
Chrysene	<0.1	µg/L	0.1	8310	12/20/95	23:19	KLM
Dibenzo(a,h)anthracene	<0.01	µg/L	0.01	8310	12/20/95	23:19	KLM
Fluoranthene	<0.2	µg/L	0.2	8310	12/20/95	23:19	KLM
Fluorene	<0.2	µg/L	0.2	8310	12/20/95	23:19	KLM
Indeno(1,2,3-cd)pyrene	<0.02	µg/L	0.02	8310	12/20/95	23:19	KLM
Napthalene	12	µg/L	1	8310	12/20/95	23:19	KLM
Phenanthrene	<0.5	µg/L	0.5	8310	12/20/95	23:19	KLM
Pyrene	<0.2	µg/L	0.2	8310	12/20/95	23:19	KLM

Respectfully submitted,

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-04 Task 3000 COC 9118 **Report #:** 19142
Sample: S-2

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	90	62-126
Bromofluorobenzene	8020	87	70-130
Fluorobiphenyl	8310	96	43-116

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19143

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-3
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	0.68	mg/L	0.2	418.1	12/15/95	16:05	KLR
Benzene	30	µg/L	1	8020	12/17/95	19:06	KLM
Ethylbenzene	<1	µg/L	1	8020	12/17/95	19:06	KLM
m,p-Xylenes	<1	µg/L	1	8020	12/17/95	19:06	KLM
MTBE	<10	µg/L	10	8020	12/17/95	19:06	KLM
o-Xylene	<1	µg/L	1	8020	12/17/95	19:06	KLM
Toluene	<1	µg/L	1	8020	12/17/95	19:06	KLM

Respectfully submitted,

Mark C. Krause, FAIC

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-04 Task 3000 COC 9118 **Report #:** 19143
Sample: S-3

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	96	62-126
Bromofluorobenzene	8020	113	70-130

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE

environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19144

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-4
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time Run		By
Petroleum hydrocarbons	1.3	mg/L	0.2	418.1	12/15/95	16:05	KLR
Benzene	<1	µg/L	1	8020	12/17/95	19:22	KLM
Ethylbenzene	<1	µg/L	1	8020	12/17/95	19:22	KLM
m,p-Xylenes	<1	µg/L	1	8020	12/17/95	19:22	KLM
MTBE	<10	µg/L	10	8020	12/17/95	19:22	KLM
o-Xylene	<1	µg/L	1	8020	12/17/95	19:22	KLM
Toluene	<1	µg/L	1	8020	12/17/95	19:22	KLM

Respectfully submitted,

Mark C. Krause, FAIC

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-04 Task 3000 COC 9118 **Report #:** 19144
Sample: S-4

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	86	62-126
Bromofluorobenzene	8020	107	70-130

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19145

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-5
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	37	mg/L	3	418.1	12/15/95	16:05	KLR
Benzene	17,000	µg/L	50	8020	12/18/95	7:57	KLM
Ethylbenzene	950	µg/L	50	8020	12/18/95	7:57	KLM
m,p-Xylenes	1,500	µg/L	50	8020	12/18/95	7:57	KLM
MTBE	<500	µg/L	500	8020	12/18/95	7:57	KLM
o-Xylene	1,000	µg/L	50	8020	12/18/95	7:57	KLM
Toluene	4,500	µg/L	50	8020	12/18/95	7:57	KLM

Respectfully submitted,

Mark C. Krause, FAIC

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-04 Task 3000 COC 9118 **Report #:** 19145
Sample: S-5

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	94	62-126
Bromofluorobenzene	8020	98	70-130

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Report #: 19146

To: Kevin Wooster
Raba-Kistner Consultants, Inc.
12821 W. Golden Lane
San Antonio, TX 78249 210-699-8702

Report of Laboratory Analysis

Project: ASB92-034-04 Task 3000 COC 9118
Sample: S-6
Matrix: water
Date/Time Taken: 12/14/95
Date/Time Rec'd: 12/15/95 10:30

Parameter	Result	Units	PQL	Method	Date/Time	Run	By
Petroleum hydrocarbons	3.6	mg/L	0.2	418.1	12/15/95	16:05	KLR
Benzene	<1	µg/L	1	8020	12/18/95	8:13	KLM
Ethylbenzene	<1	µg/L	1	8020	12/18/95	8:13	KLM
m,p-Xylenes	<1	µg/L	1	8020	12/18/95	8:13	KLM
MTBE	<10	µg/L	10	8020	12/18/95	8:13	KLM
o-Xylene	<1	µg/L	1	8020	12/18/95	8:13	KLM
Toluene	<1	µg/L	1	8020	12/18/95	8:13	KLM

Respectfully submitted,

Mark C. Krause, FAIC

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

CHEMSOLVE
environmental analytical services
11629 Manchaca Road • Austin, Texas 78748 • (512) 280-7680

Project: ASB92-034-04 Task 3000 COC 9118 **Report #:** 19146
Sample: S-6

Report of Laboratory Quality Assurance

Parameter	Blank	Precision	Limit	M.S.	M.S.D.	Limits
Petroleum hydrocarbons	<2	0.00	48.4			

Surrogate	Method	Recovery	Limits
Fluorobenzene	8020	90	62-126
Bromofluorobenzene	8020	92	70-130

PQL - Practical quantification limit. M.S. - Matrix spike. M.S.D. - Matrix spike duplicate

RAE[illegible]NER CONSULTANTS, INC. - CHEMISTRY LAB
[illegible]21 W. Golden Lane • San Antonio, Texas 78249
FAX: (210) 699-8702
Phone: (210) 699-9090
Report Results / Sample Custodian - Ext. 168

[illegible]hain of Custody Record and Analysis [illegible]uest

NOTE: PROJECT APPROVAL AND PROJECT SETUP MUST BE COMPLETE PRIOR TO INITIATION OF ANALYSIS.

9118

Company Name: City of Laredo TX
Address:
Site Location: Laredo Airport
Project Number: ASB 92-034-04
Task Number: 3000
ph #: 237
fax #:
Report Results to: KLW

R-KCI #	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	AMOUNT SAMPLED	WATER	AIR	SOIL	SLUDGE	OTHER	ACID	ICE	NONE	OTHER	BTEX	BTEX/MTBE	TPH/418.1	TVH	TCLP 8 METALS	TCLP VOC	TCLP BNA	PAH
S-1	MW-1 1914100	12/14		2/500mL	✓						✓					✓					*
		"		*2/VOA	✓						✓				✓						*
S-2	MW-2 1914200	"		2/500mL	✓						✓					✓					
		"		*2/VOA	✓						✓				✓						✓
S-3	MW3 1914300	"		2/500mL	✓						✓					✓					
		"		*2/VOA	✓						✓				✓						
S-4	MW-7 1914400	"		2/500mL	✓						✓					✓					✓
		"		*2/VOA	✓						✓				✓						
S-5	MW-10 PAH will be broken 1914500	"		2/500mL	✓						✓					✓					✓
		"		*2/VOA	✓						✓				✓						
S-6	MW-4 1914600	"		2/500mL	✓						✓					✓					✓
		"		*2/VOA	✓						✓				✓						

see note

* all VOAs have headspace

12/15 10:45A *[illegible] - only run PAH on single highest TPH

12/15 per KW - run top 2 TPH disregarding MW-10. * Running MW-1 & MW-2

CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
	Linda Olmsted	12/15/95	10:30

TURNAROUND TIME REQUESTED
RUSH 1 day ____
RUSH 2 day ____
RUSH 3 day ____
Normal 5-7 day X
PROVIDE RESULTS BY: ____

SPECIFY
Special detection limits: ____
Special reporting requirements: ____

COMMENTS: Hold PAH samples for subsequent analysis on 3 samples with highest TPH concentrations

SAMPLE RECEIPT REPORT

Samples OK	Y	N
Temp 4 C Min	Y	N
Custody Seals, Intact	Y	N
Head Space in VOAs	Y	N
pH adjusted, Describe	Y	N

APPENDIX B

WASTE MANAGEMENT AND DISPOSITION

Non-Hazardous Special Waste Manifest (Fluids)

01260

:CE
AM
RIAS
EDY

MO-VAC
SERVICE CO., INC.

MAIN OFFICE: McALLEN, TEXAS 78502
P.O. BOX 2677 • PHONE: 210-682-6381

· KINGSVILLE
· LAREDO
· LULING
· MCALLEN
· ZAPATA

Date: 12/13/95
Loc: 55/45
Capacity: 130

icket#: V7788
t No: 370-143
ver: MONTEMAYOR, ALFREDO

mpany: RABA-KISTNER CONSULTANTS, INC.

om: CITY OF LAREDO INTL AIRPORT
N LAREDO

: MO-VAC STORAGE
, MI E LAREDO

e requested: HAUL CONTAMINATED PETROLEUM WATER.
Service performed: HAULED 95 GALS. CONTAMINATED PETROLEUM WATER TO MO-VAC STORAGE.

Start Time:12/13/95 @ 15:00 End Time:12/13/95 @ 16:30

Description	Rate	Amount
50 HRS VACUUM TRUCK SERVICE	54.0000	81.00
5.00 GALS. TREATMENT CHARGE - LAREDO	0.3500	33.25
0.50 HRS WASHOUT	56.0000	28.00

Ticket Total $142.25

Shipper's Weight and Count: I certify that this weight is correct to the best of my knowledge and belief. Tariff 6, 25, and 10 Certificates 20371, 5168

(X) Signature: [signature] DATE ____________ 19______

Funds are due and payable net 30 days, at McAllen, Hidalgo County, Texas.

FIELD TICKET

01261

ENHAM
FURRIAS

MO-VAC SERVICE CO., INC.

MAIN OFFICE: McALLEN, TEXAS 78502
P.O. BOX 2677 • PHONE: 210-682-6381

- KINGSVILLE
- LAREDO
- LULING
- MCALLEN
- ZAPATA

ket#: V7788
nit No: 370-143
river: MONTEMAYOR, ALFREDO

Date: 12/13/95
Loc: 55/45
Capacity: 130

mpany: **RABA-KISTNER CONSULTANTS, INC.**

m: CITY OF LAREDO INTL AIRPORT
LAREDO

MO-VAC STORAGE
LAREDO

Service requested: HAUL CONTAMINATED PETROLEUM WATER.
vice performed: HAULED 95 GALS. CONTAMINATED PETROLEUM WATER TO MO-VAC STORAGE.

Start Time: 12/13/95 @ 15:00 End Time: 12/13/95 @ 16:30

scription	Rate	Amount
1.50 HRS VACUUM TRUCK SERVICE	54.0000	81.00
9?.00 GALS. TREATMENT CHARGE - LAREDO	0.3500	33.25
.50 HRS WASHOUT	56.0000	28.00

Ticket Total $142.25

Shipper's Weight and Count: I certify that this weight is correct to the best of my knowledge and belief. Tariff 6, 25, and 10 Certificates 20371, 5168

) Signature: R. Manning DATE ____________ 19____

nds are due and payable net 30 days, at McAllen, Hidalgo County, Texas.

FIELD TICKET

01262

FT#

№ 3333

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Authorized Agent Raba Kishna Cons. Inc • Generating Location City of Laredo

Address 12821 W. Golden Lane Address Laredo International

San Antonio Texas 78249 Airport

Phone No. 210 - 6999090 Phone No. 210 - 7222433

Waste Code

Waste Pulled From: Open Hole / Inside U.S.T. / 55 Gal. Drums / ✓ Other

Description of Waste: Petroleum Contaminated Water

Quantity - Gallons: 95

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Manning

Generator Authorized Agent - Print | Signature | 121395 Shipment Date

TRANSPORTER

NRCC Sludge & Waste Water 21955 E.P.A.-I.D.-TXD 006801360 TNRCC-Transporter #23036

Truck No. 368-132 Phone No. 1-800-299-7745

Transporter Name MOVAC ENVIRONMENTAL Driver Name (Print) Hector Vinzar

Address P.O. BOX 4078 Vehicle License No./State 2CC-637

McAllen, TX 78502 Vehicle Certification McD37

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | 121395 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | 12135 Delivery Date

DESTINATION

Site Name Movac Environmental Phone No. 210 - 72611

Address P.O. Box 2416 Laredo Texas 6 miles east Laredo

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accura

J. R. Contreras

Name of Authorized Agent - Print | Signature | 12135 Receipt Date

White - Original Blue - Home Office Pink - Terminal Green - Transporter Canary - Treating Facility Goldenrod - Generator's First Copy

1263