



FACSIMILE MESSAGE

9 PAGES

CHEVRON U.S.A. PRODUCTS COMPANY
West Central Region
Marketing Department SR-2410 Camino Ramon

Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804
(Street Address: 2410 Camino Ramon)

Reply by Facsimile: (510) 842-9591

Date: 4/14/92

To: JULIET SHAW
ACHCS

Fax Number: 569-4757

From: Nancy L. Vukelich Phone No.: (510) 842-9581

Site Assessment and Remediation Engineer

Subject: VARIOUS.

Comments: 1) #9-5630 - 997 Grant SAN LORENZO

- Attached is the new well survey data with revised water level and gradient data.
- Also attached is the results from the 4/3/92 sampling event for your information. A report is currently being prepared.
- I am currently preparing a response to Ms. Beth Castleberry's letter dated 3/26/92. A copy will be forwarded to you. I expect the letter to be sent the week of 4/20.

2) #9-4340 - 2601 Fruitvale Oakland
Property owner info: MS. LINDA AND LAURA MORAN
69 ESPERAL
ORINDA CA 94567

Time call ...

Chevron U.S.A. Inc.
 P.O. BOX 5004
 San Ramon, CA 94583
 FAX (415)842-0581

Client Facility Number 9-5630
 Facility Address San Lorenzo
 Consultant Project Number 1-206-04
 Consultant Name Serra Environmental Services
 Address P.O. 2546 Martinez CA 94553
 Project Contact (Name) Chris Bremer
 Phone 510-370-1280 Fax 510-370-7959

Client Contact (Name) Nancy Vukelich
 Phone 510 842 9581
 Laboratory Name Superior Precision Analytical
 Laboratory Address Number 4247210
 Samples Collected by (Name) Andrew Winkwitz
 Collection Date 4-2-92
 Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air G = Other	Type G = Grab C = Composite D = Dissolve	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										Remarks	
								PHENOL (2015)	THYRAX (2015)	CHLOROBENZENE (2015)	PHENOL (2015)	PHENOL (2015)	PHENOL (2015)	PHENOL (2015)	PHENOL (2015)	PHENOL (2015)	PHENOL (2015)		PHENOL (2015)
AA	1	3/4	W	G		HCL	Yes	✓											Analyze
BB	2	3/4				HCL		✓											
C-1	3	1L				None													
C-1	3	3/4				HCL		✓											
C-2	4	3/4				HCL		✓											
C-3	5	3/4				HCL		✓											

Handwritten note:
 No contamination
 Samples stored in ice
 Appropriate containers
 Samples stored
 VOA's w/ subhead page
 Contact:

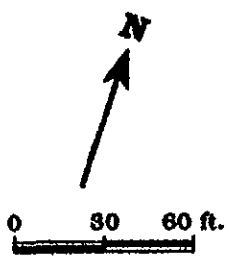
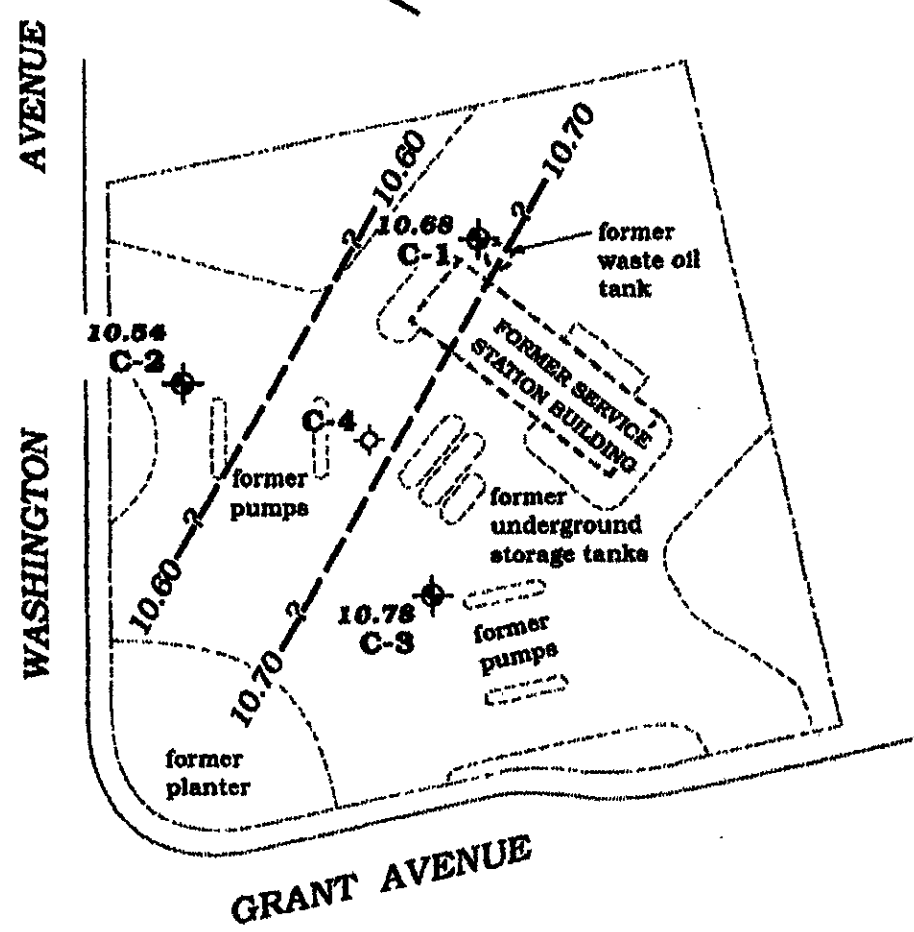
Submitted By (Signature) <u>[Signature]</u>	Organization <u>SES</u>	Date/Time <u>4/3/92</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	Test Approval Time (Date Order) 24 Hrs. 48 Hrs. 72 Hrs. 10 Days As Contracted
Submitted By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Submitted By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time <u>4-3-92</u>	

CHEVRON U.S.A. INC. 14500 KILBOURNE BLVD. SUITE 100 SAN RAMON, CA 94583
 FAX (415) 842-0581



SIERRA

Approximate ground water flow direction
Gradient: .002 ft/ft



EXPLANATION	
	C-3 Monitoring well
	C-4 Destroyed well
10.78	Ground water elevation, in feet
- 10.70	Ground water elevation contour, dashed where inferred, queried where uncertain

Base map after GeoStrategies Inc.

Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map - September 8, 1991 - Former Chevron Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California

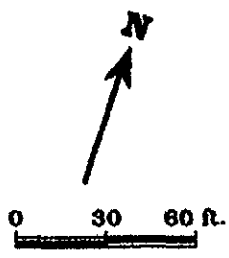
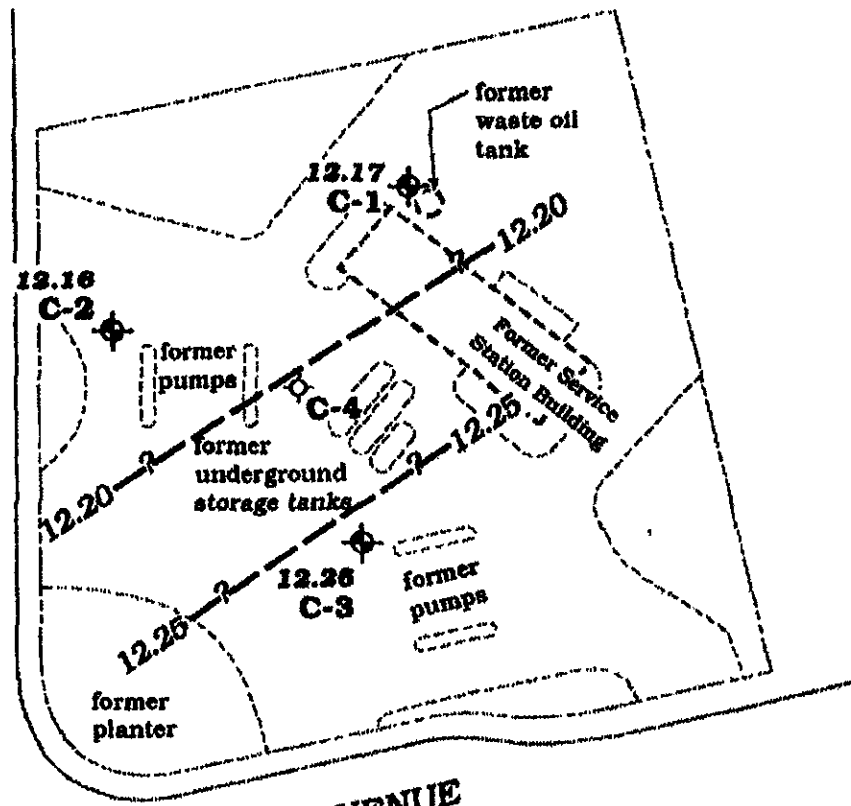


SIERRA

Approximate ground water flow direction
Gradient: .0009 ft/ft

WASHINGTON AVENUE

GRANT AVENUE



EXPLANATION	
	C-3 Monitoring well
	C-4 Destroyed well
12.26	Ground water elevation, in feet
	12.20 Ground water elevation contour, dashed where inferred, queried where uncertain

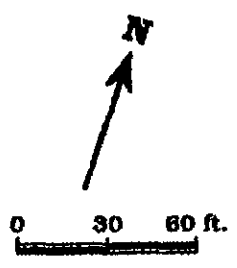
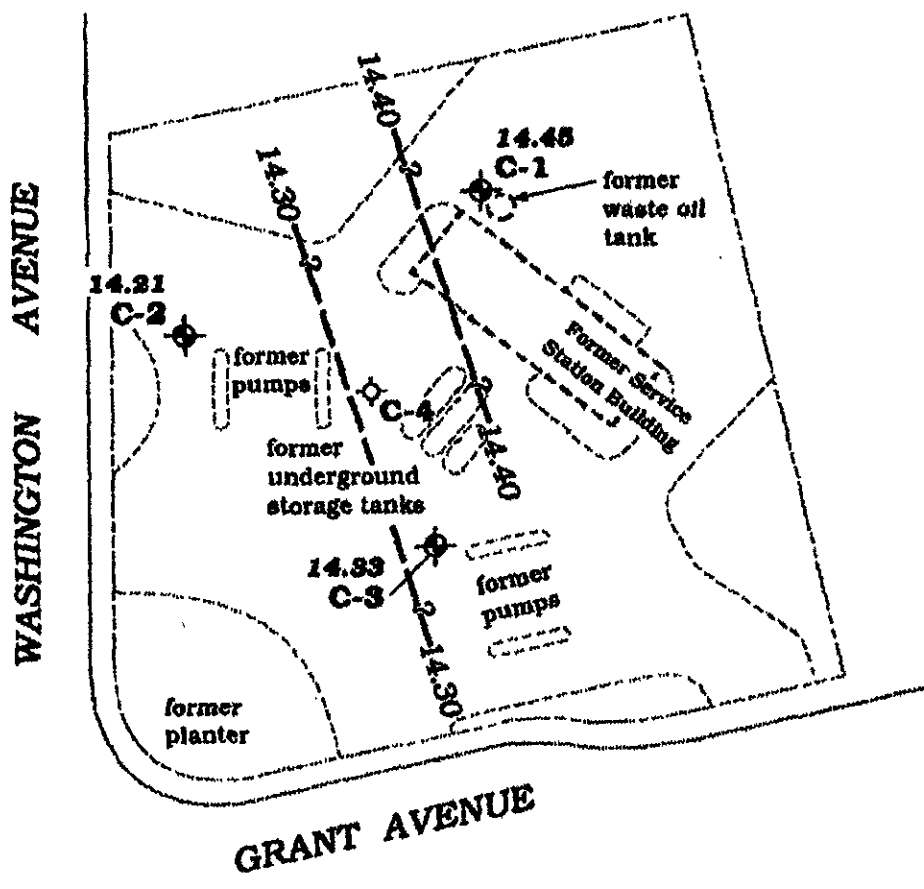
Base map after GeoStrategies Inc.

Figure 3. Monitoring Well Locations and Ground Water Elevation Contour Map - December 4, 1991 - Former Chevron Service Station #9-5930, 997 Grant Avenue, San Lorenzo, California



SIERRA

Approximate ground water flow direction
 Gradient: .002 ft/ft



EXPLANATION	
	C-3 Monitoring well
	C-4 Destroyed well
14.33	Ground water elevation, in feet
- 14.30	Ground water elevation contour, dashed where inferred, queried where uncertain

Base map after GeoStrategies Inc.

Figure 4. Monitoring Well Locations and Ground Water Elevation Contour Map - April 2, 1992 - Former Chevron Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

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

LABORATORY NO.: 85395
 CLIENT: Sierra Environmental
 CLIENT JOB NO.: 1-206-04

DATE RECEIVED: 04/03/92
 DATE REPORTED: 04/10/92

Page 1 of 2

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
85395- 1	AA	04/02/92	04/07/92
85395- 2	BB	04/02/92	04/07/92
85395- 3	C-1	04/02/92	04/09/92
85395- 4	C-2	04/02/92	04/07/92
85395- 5	C-3	04/02/92	04/07/92

Laboratory Number:	85395 1	85395 2	85395 3	85395 4	85395 5
--------------------	------------	------------	------------	------------	------------

ANALYTE LIST Amounts/Quantitation Limits (ug/L)

OIL AND GREASE:	NA	NA	ND<5000	NA	NA
TPH/GASOLINE RANGE:	ND<50	ND<50	ND<50	ND<50	50
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1
TOLUENE:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3
ETHYL BENZENE:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1
XYL ENES:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2



SIERRA

Table 1. Water Level Data and Well Construction Details - Former Chevron Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California

Well ID	Date Measured	DTW (ft)	TOC (ft)	GWE (msl)	Product Thickness (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
C-1	12/5/90	12.44	24.08 ¹	11.64	0	15 - 28	13 - 28	0 - 13
	9/6/91	13.20	23.88 ²	10.68	0			
	12/4/91	11.71		12.17	0			
	4/2/92	9.43		14.45	0			
C-2	12/5/90	11.30	22.69 ¹	11.39	0	15 - 28	13 - 28	0 - 13
	9/6/91	11.00	21.54 ²	10.54	0			
	12/4/91	9.38		12.16	0			
	4/2/92	7.33		14.21	0			
C-3	12/5/90	11.75	23.45 ¹	11.70	0	17 - 27	15 - 27	0 - 15
	9/6/91	11.62	22.40 ²	10.78	0			
	12/4/91	10.14		12.26	0			
	4/2/92	8.07		14.33	0			
C-4	12/5/90	11.85	23.32 ¹	11.47	0	17 - 29	17 - 29	0 - 15
	9/6/91 ³	---	---	---	---			
	12/4/91 ³	---	---	---	---			

EXPLANATION:

DTW = Depth to water
 TOC = Top of casing elevation
 GWE = Ground water elevation
 msl = Measurements referenced relative to mean sea level
 -- = Not applicable

NOTE:

SES product thicknesses were measured with an MMC flex-dip interface probe.
¹ Well head elevations taken from the Preliminary Site Assessment/Well Installation Report prepared by GeoStrategies, Inc., dated February 8, 1991.
² Top of Casing elevations surveyed by Ron Miller, P.E. #15816, on April 2, 1992. Ground water elevations prior to this date, corrected using this survey data.
³ Well was destroyed during tank removal and soil excavation operations.



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

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

A N A L Y S I S F O R T O T A L P E T R O L E U M H Y D R O C A R B O N S

Page 2 of 2
 QA/QC INFORMATION
 SET: 85386

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


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

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
 Minimum Quantitation Limit for Diesel in Water: 50ug/L
 Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
 Minimum Quantitation Limit for Gasoline in Water: 50ug/L
 Standard Reference: 10/04/91

SW-846 Method 8020/BTXE
 Minimum Quantitation Limit in Water: 0.5ug/L
 Standard Reference: 10/11/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	04/06/92	30 ppm	72/78	5	55-105
Diesel	NA	NA	NA	NA	NA
Gasoline	03/03/92	200 ng	95/95	0	70-130
Benzene	02/26/92	200 ng	98/97	1	70-130
Toluene	02/26/92	200 ng	96/101	5	70-130
Ethyl Benzene	02/26/92	200 ng	100/105	5	70-130
Total Xylene	02/26/92	200 ng	100/105	5	70-130

Richard Srna, Ph.D.

 Laboratory Director

Chevron U.S.A. Inc.
 P.O. BOX 5004
 San Ramon, CA 94583
 FAX (415)842-8581

Chevron Facility Number 9-5630
 Facility Address San Lorenzo
 Consultant Project Number 1-206-04
 Consultant Name Sierra Environmental Services
 Address P.O. 2546 Martinez CA 94553
 Project Contact (Name) Chris Brauner
 (Phone) 510-370-1280 (Fax Number) 510-370-7955

Chevron Contact (Name) Nancy Vukelich
 (Phone) 510 842 9581
 Laboratory Name Superior Precision Analytical
 Laboratory Address Number 4247210
 Sample Collected by (Name) Andrew Minkwitz
 Collection Date 4-2-92
 Signature Andrew Minkwitz

Sample Number	Lab Sample Number	Number of Containers	Matrix W = Water A = Air S = Sludge G = Groundwater	Type G = Grab C = Composites D = Dissolved	Time	Sample Preservation	Leak (Yes or No)	Analysis To Be Performed										Remarks	
								PHS + VFA GMS (2016)	VFA GMS (2016)	Oil and Grease (2016)	Pyrolytic Hydrocarbons (2016)	Pyrolytic Aromatics (2016)	Pyrolytic Organics (2016)	Pyrolytic Organics (2016)	Pyrolytic Organics (2016)	Pyrolytic Organics (2016)	Pyrolytic Organics (2016)		Pyrolytic Organics (2016)
AA	1	3/4	W	G		HCL	Yes	✓											Analyze
BB	2	3/4				HCL		✓											
C-1	3	1L				None				✓									
C-1	3	3/4				HCL		✓											
C-2	4	3/4				HCL		✓											
C-3	5	3/4				HCL		✓											

Handwritten note:
 Substrate Initial
 Samples stored in ice
 Analyzed in 24 hours
 Samples preserved
 VOA's w/ 200 headspace
 Comment

Reviewed By (Signature) [Signature] Organization SES Date/Time 4/5/92
 Reviewed By (Signature) _____ Organization _____ Date/Time _____
 Reviewed By (Signature) _____ Organization _____ Date/Time 4-3-92

Turn Around Time (State Order)
 24 hrs
 48 hrs
 5 Days
 10 Days
 As Ordered

APR-14-92 TUE 133 SIERRA ENVIRONMENTAL