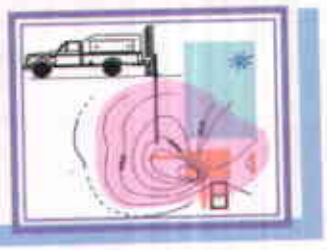
Franklin J. Goldman, ChG.
Environmental and Hydrogeological Consulting
PO BOX 725, Sebastopol, CA 95473
Phone: (707) 235-9979
FJGoldman@sbcglobal.net



D0382

February 09, 2004

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Telephone: (510) 567-6765
FAX: (510) 337-9335

SUBJECT: INSTALLATION OF THREE (3) ADDITIONAL GROUNDWATER EXTRACTION WELLS AND ONE EXPLORATORY SOIL BORING ASSOCIATED WITH THE FORMER UNDERGROUND STORAGE TANKS AT THE FORMER BILL CHUN SERVICE STATION @ 2301 SANTA CLARA AVENUE, ALAMEDA, CA 94501

Dear Barney:

Enclosed are the details of a subsurface hydrogeologic investigation for the above designated site as required according to the approved workplan. Three (3) groundwater extraction wells (EW-15, EW-16, & EW-17) were installed on January 15, 2004 and the 40 foot deep soil boring (BZ) was excavated on January 16, 2004.

These three (3) groundwater pumping wells will be utilized in conjunction with the three (3) previously installed groundwater extraction wells to help remediate the shallow groundwater at the site. The six (6) extraction wells have also been designed to be fitted with vapor extraction well heads to address residual hydrocarbons in the smear zone.

The exploratory soil boring confirmed the presence of a fine grained bottom confining layer associated with the shallow confined/semi-confined aquifer defined during recent aquifer testing. The depth of the bottom confining layer confirms the previous estimates for the dimensions of the capture zones associated with the groundwater extraction wells during pumping.

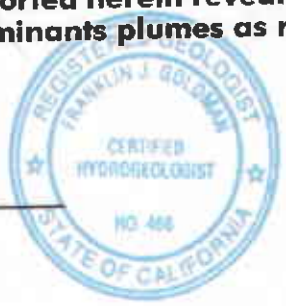
On January 20, 2004 the wells were developed by Blaine Tech Services and the wells were sampled on January 21, 2004.

Gasoline contamination was identified in soil and groundwater at the three extraction well locations. Data evaluation reported herein reveals no significant changes in the distribution of the dissolved contaminants plumes as reported in the past reporting.

Sincerely,

Franklin J. Goldman

Franklin J. Goldman
Certified Hydrogeologist No. 466



SUBSURFACE INVESTIGATION

SITE LOCATION, DESCRIPTION, AND HISTORY

The site is located in a commercial and residential area on the Island of Alameda. The site is bordered on the southeast by a flower shop which has residents living on the second story. A one story office building is located to the north and Oak and Santa Clara Avenues border the remainder of the site.

Two 550 gallon and one 285 gallon gasoline steel underground storage tanks were removed from the property on July 31, 1992. No holes were observed on the 550 gallon tanks, however, a two inch diameter hole was observed on the 285 gallon tank bottom (Parker Environmental Services, 08-04-92).

WORK ACTIVITIES COMPLETED

Potential groundwater extraction well locations were marked at the site in white paint. The soil boring locations were marked for Underground Service Alert which was contacted prior to drilling. Each soil boring location was screened with a magnetometer and was then hand augered to a depth of 5 feet bgs prior to excavation with the hollow-stem auger drill rig to avoid damage to underground piping and utility lines.

Three (3) groundwater extraction wells EW-15, EW-16, and EW-17 were installed to 25 feet bgs on January 15, 2004 and the 40 foot deep soil boring (BZ) was excavated on January 16, 2004 (See Figure 1 for extraction well and borehole locations). All three wells and the one exploratory soil boring were installed in the approximately same locations as indicated in the approved workplan.

SOIL SAMPLING PROCEDURES FOR EXTRACTION WELL EXCAVATIONS AND LAB RESULTS

Three (3) soil borings were drilled by Clearheart Drilling, a C-57 drilling licensed driller. All borehole logging was performed by a State Certified Hydrogeologist who kept a detailed hydrostratigraphic log of each borehole, noting lithologic changes, hydrogeological characteristics, sample locations, and well construction. Soil sampling was performed on the day of the subsurface investigation. Soil sampling was performed where appropriate in order of identify significant changes in soil hydrostratigraphy. The well excavations were sampled at a minimum of approximately every five (5) vertical feet. Most of the soils encountered to a depth of 25 feet bgs were predominantly comprised of non-cohesive medium sands (See Appendix A for Soil Boring Logs).

Exploratory soil boring BZ was continuously cored between 25 and 40 feet bgs to identify the contact between the bottom of the confined/semi-confined shallow aquifer and its fine grained bottom confining layer. Soil samples were collected with a two (2) inch inner diameter, three (3) foot long, split spoon sampler. The soil samples were obtained by the compressive force of a 140 lb hammer dropped from a height of 18 inches. The soil samples were extruded into six (6)-inch long steel sample liners. Soil samples were chosen for lab analyses based upon obvious olfactory and visual evidence of contamination, by photoionization detector (PID) screening and/or at significant changes in hydrostratigraphic horizons. Non-detect levels of benzene were verified in soil at a depth of 15 to 16 feet bgs in all three soil boring excavations identified in soil (See table I for lab results and Appendix B for Laboratory Data Sheets).

Each soil sample collected was covered at each end of the metal cylinder with Teflon tape, plastic end caps, and sealed with non-VOC "duct tape" to adhere the caps to the liners at each end, to hermetically seal the samples. The soil samples were labeled

with a non-toxic ink field marker as to the depth and location the sample was collected, the sample number, and the project name and inserted into a plastic Zip-Lock bag and then placed into an ice chest for transport back to the laboratory. The chain-of-custody was similarly designated and included the date and time the sample was collected as well as the depth interval. All soil samples were analyzed for TPH(g)/BTEX by EPA Method 8015 modified/8020.

The sampler was decontaminated before and after each use by rinsing with an Alconox solution wash and fresh tap water rinse. All rinseate water, purge water, and soil waste were stored in 55 gallon DOT approved drums. The drums have been stored onsite until authorization for transport to legal point of disposal is made.

Gasoline contaminants were identified in soil in all three extractions well excavations (See table I for lab results and Appendix B for Laboratory Data Sheets). The samples collected at 15 to 16 feet bgs revealed no contaminants except for very low concentrations of toluene and xylenes in EW-17. Hydrocarbons in soil appear to be generally restricted to soils shallower than 15 feet bgs.

Well Construction

The three (3) wells were constructed with a 0.02 inch PVC schedule 40 slotted casing from 25 to 7 feet bgs and schedule 40, 4 inch diameter PVC blank casing from 7 to approximately ½ foot bgs. No. 212 silica sand pack was placed in the annular space between the screened casing and the open borehole to one foot above the top of the screen. The bentonite seal was one foot thick and was placed on top of the sand pack in the annular space from 6 to 5 feet bgs. A Type II Cement bentonite grout was then tremmied from the bottom up to within approximately 1 foot from the top of the surface cover. A continuous concrete pour was then be placed on top of the grout to the surface where it will be finished with a flush concrete apron around a Boart Longyear well box (See Figure 2 for extraction well construction detail).

Groundwater Gradient Flow Direction

On January 21, 2004, a Slope Indicator water level meter was used to measure the depth to groundwater in the groundwater extraction wells prior to well development and sampling. The measurements were read to the nearest 100th of an inch from the top of casing. The survey performed for the three previous extraction wells was revised on February 04, 2004 to reflect a benchmark reference relative to mean sea level. The three new extraction wells were incorporated into the new survey plat (See Appendix C for Well Survey).

The groundwater gradient flow direction is to the east at 0.01 ft/ft (See Figure 1 for gradient flow direction and water table elevations).

Well Development, Purging, Sampling Activities and Lab Results

On January 20, 2004 the wells were swabbed, bailed and pumped by a qualified field technician from Blaine Tech Services until the water was relatively clear. The resulting turbidity was relatively low. On October 20, 2002 the wells were purged and sampled according to the following procedures.

January 21, 2004 the three wells were purged and developed to obtain representative groundwater samples. Each well was purged of approximately three (3) borehole volumes allowing the water level to recover to at least 80% of the original, static level. Temperature, electrical conductivity, and pH were monitored during each purging, so that the three parameters were within a 10% error difference from one another, over a minimum of three consecutive readings. The data was used to verify that water had been removed from well casing storage and that the well water was representative

of the aquifer, prior to sampling. Low turbidity was observed in the wells after well development and purging (See Appendix D for Well Development Logs).

Water samples were collected by lowering a plastic disposable check valve bailor down the center of each PVC well casing after the static water level had recovered. The bailor was lowered to the bottom of the well casing and pulled to the surface to be decanted from the bottom of the bailor by temporarily unplugging the check valve until water flowed freely into the glass sample container. Water samples were contained in 40-milliliter VOA vials for TPH-g, MTBE, BTEX, oxygenates, and lead scavenger analyses. The samples were labeled and stored on ice at 4 degrees centigrade until delivered, under chain-of-custody procedures, to State-certified analytical laboratory. All samples were analyzed by appropriate and applicable EPA test methods.

Hydrocarbon contaminants were identified in groundwater in all three extraction wells (See Table 1 and Appendix B for Laboratory Data Sheets). ~~All three wells exhibited~~ significant gasoline contaminants in groundwater. Very low levels of lead scavengers were identified in soil in EW-16 and EW-17.

CONCLUSIONS

The exploratory soil boring confirmed the presence of a fine grained bottom confining layer for the shallow confined/semi-confined aquifer which is at least five (5) feet thick at the one point location on site. It is very likely that the bottom confining layer is laterally continuous relative to the extent of the investigation area, however, hydrogeological anomalies such as buried channels which are common in the area may provide significant migration of groundwater between adjacent aquifer zones. The depth of the bottom confining layer, however, reasonably confirms the previous estimates for the dimensions of the capture zones associated with the groundwater extraction wells induced during pumping.

The contaminants identified were predominantly the same gasoline related constituents identified in the past at similar concentrations.

The three extraction wells appear to be well placed and produce as much or a greater volume of water per minute in comparison to the three previously installed extraction well installations.

RECOMMENDATIONS

Groundwater extraction and treatment should commence immediately. Varying combinations of the number of extraction wells should be with all six (6) extractions wells operating. Monitoring and evaluation of the groundwater extraction system should be performed immediately after pumping begins. Initially, a baker tank should be placed onsite to contain the extracted groundwater. The extracted and treated water should initially be hauled offsite for disposal. After the treated water demonstrates a consistent and well treated effluent, a new permit for disposal to the EBMUD system should be obtained to reduce the cost of treated groundwater disposal.

LIMITATIONS

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analyses, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change. The conclusions presented in this report are professional opinions based solely upon visual observations made within individual soil excavations and of the site and vicinity as

well as on interpretations of available information as designated in this report. Franklin J. Goldman, maintains that the limited scope of services performed in the execution of this investigation may not be sufficient to satisfy the needs, and/or requirements of all regulatory agencies or other users. Any use or reuse of this document, its findings, its conclusions and/or recommendations presented herein, is done so at the sole risk of the said user.

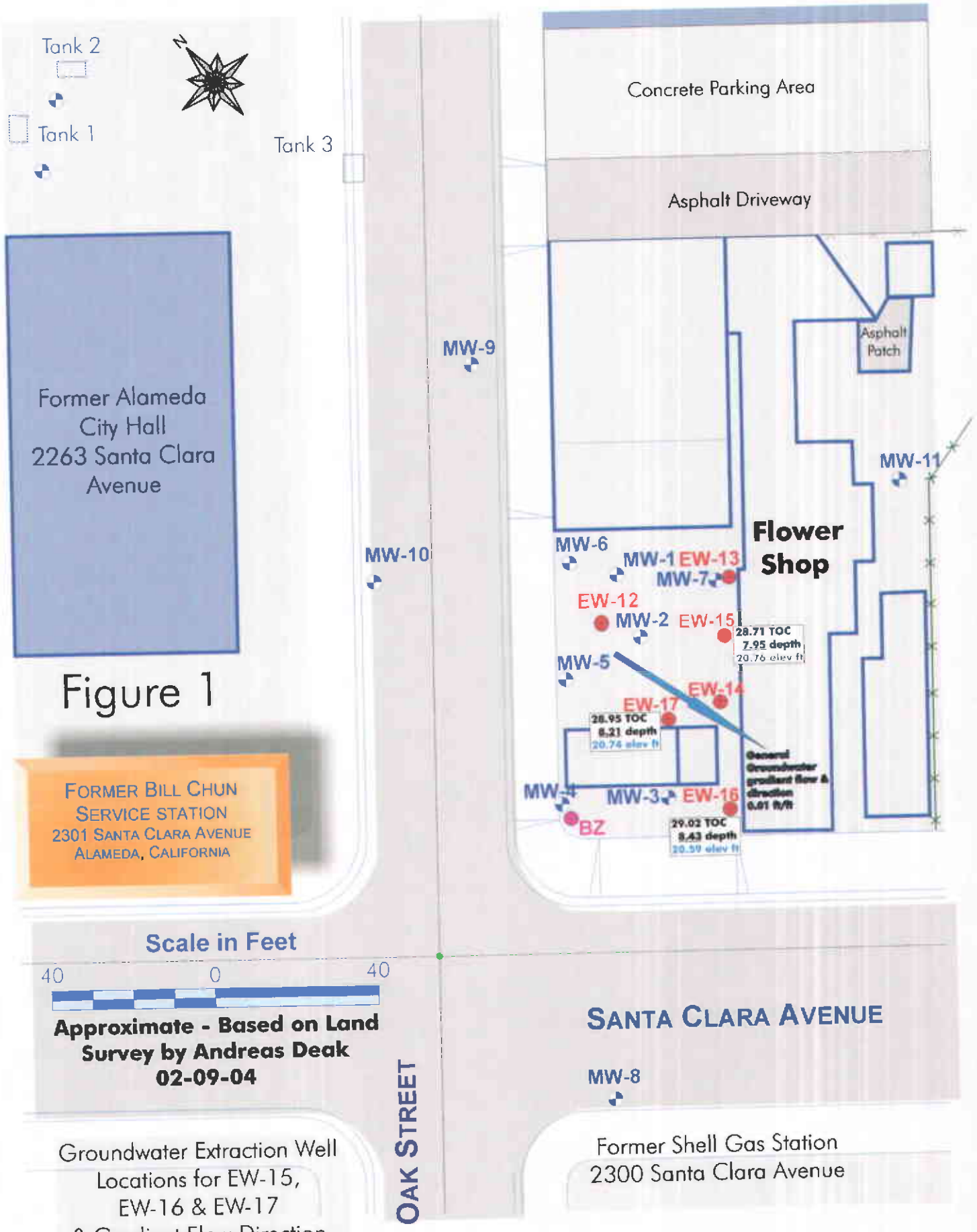

Tank 2
Tank 1
Tank 3
N
Concrete Parking Area
Asphalt Driveway
Asphalt Patch
Former Alameda City Hall 2263 Santa Clara Avenue
MW-9
MW-10
MW-11
MW-6
MW-1
EW-13
MW-7
Flower Shop
EW-12
MW-2
EW-15
28.71 TOC
7.95 depth
20.76 elev ft
MW-5
EW-14
EW-17
28.95 TOC
8.21 depth
20.74 elev ft
General Groundwater gradient flow & direction 0.01 ft/ft
MW-4
MW-3
EW-16
BZ
29.02 TOC
8.43 depth
20.59 elev ft
FORMER BILL CHUN SERVICE STATION
2301 SANTA CLARA AVENUE
ALAMEDA, CALIFORNIA
Scale in Feet
40
0
40
Approximate - Based on Land Survey by Andreas Deak 02-09-04
SANTA CLARA AVENUE
MW-8
OAK STREET
Former Shell Gas Station
2300 Santa Clara Avenue
Groundwater Extraction Well Locations for EW-15, EW-16 & EW-17 & Gradient Flow Direction January 21, 2004

Figure 1

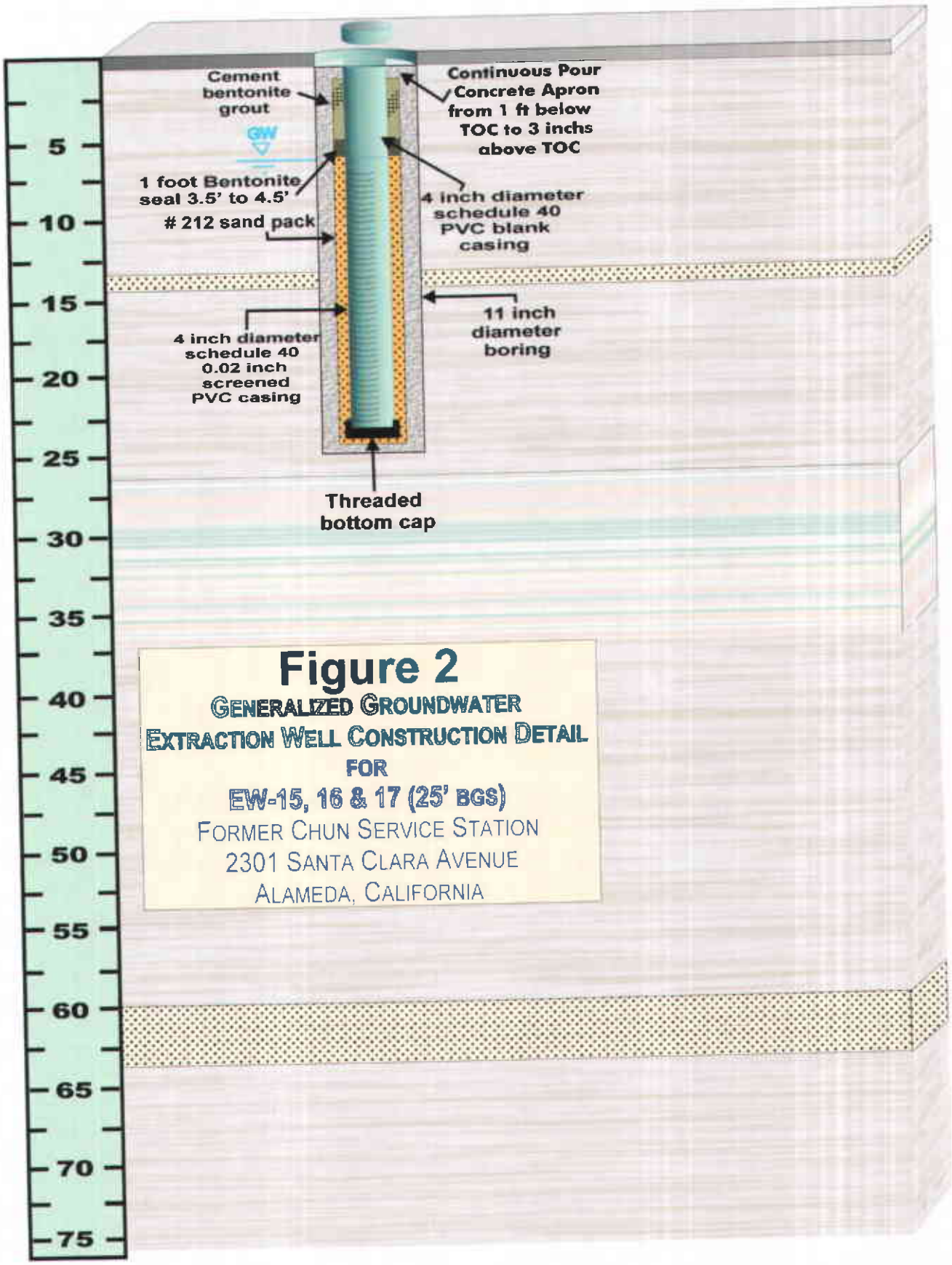


Figure 2

GENERALIZED GROUNDWATER EXTRACTION WELL CONSTRUCTION DETAIL FOR EW-15, 16 & 17 (25' BGS)

FORMER CHUN SERVICE STATION
2301 SANTA CLARA AVENUE
ALAMEDA, CALIFORNIA

Table 1

Hydrocarbons in Groundwater in EW-15, 16, & 17 in ppb for Samples collected for Chun

Sample	Date	TPH(g)+	Benzene	Toluene	Ethyl-benzene	Xylenes
EW-15	01-21-04	72,000	8,400	11,000	1,900	9,700
EW-17	01-21-04	18,000	2,600	3,600	500	2,460
EW-16	01-21-04	1,500	290	ND	0.52	1.9

Sample	Date	TBA	MTBE	Di-isopropyl ether	tert Butyl ethyl ether	TAME	EDB	1,2 DCA
EW-15	01-21-04	ND	ND	ND	ND	ND	ND	ND
EW-17	01-21-04	ND	ND	ND	ND	ND	ND	20
EW-16	01-21-04	ND	ND	ND	ND	ND	ND	14

Hydrocarbons in Soil in ppm for Samples collected for Chun

Sample	Date	TPH(g)+	Benzene	Toluene	Ethyl-benzene	Xylenes
EW-15 10 ½ -11	01-15-04	26	0.34	0.82	0.50	2.2
EW-15 15 ½ - 16	01-15-04	ND	ND	ND	ND	ND
Sample	Date	TPH(g)+	Benzene	Toluene	Ethyl-benzene	Xylenes
EW-17 10 - 10 ½	01-15-04	2,200	ND	65	55	320
EW-17 15 ½ -16	01-15-04	ND	ND	0.0033	ND	0.052
Sample	Date	TPH(g)+	Benzene	Toluene	Ethyl-benzene	Xylenes
EW-16 10 - 10 ½	01-15-04	3,400	ND	ND	8.9	38
EW-16 15 - 15 ½	01-15-04	ND	ND	ND	ND	ND

Appendix A
Soil Boring Logs

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Backfill: Silty Sand, medium, lt brn, loose, sl moist			1 2 3 4 5			
No odor to 6' Moderate strong odor at 8' green @ 8½' Water encountered @ 9' bgs	X	7⁴⁵ AM	6 7 8 9 10			
	X	8¹⁵ AM	11 12			
Dense @ 13½', siltier with depth Silty sand, brn grn, dense, fine to medium, moist to very moist			13 14 15			
very mild odor @ 15'	X	8⁴⁵ AM	16 17 18 19			
Flowing sands @ 20' bgs @ 9⁰⁰ AM			20			

BORING NO. EW15

DATE: 01-15-04

Chun Alameda

2301 Santa Clara Ave

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
No sample @ 20' due to flowing sands			21 22 23 24 25			
	X	9:30 AM No odor	26			
End @ 26½' Water 1st encountered @ 9' bgs			27 28 29 30			
			31 32 33 34 35			
			36 37 38 39 40			

BORING NO. EW-15

DATE: 01-15-04

0-7 blank
7-25 screen
Sand @ 6'
Seal @ 5'
grout to apron

Chun Alameda

2301 Santa Clara Ave

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty Sand, brn to dark brn, loose to med dense, fine, moist			1 2 3 4 5			
No odor; some sticky clay binder	X	3'5"	6 7 8 9 10			
Mod strong odor, dk grn to black	X	3'10"	11 12 13 14 15			
No odor; brn	X	3'15"	16 17 18 19 20			

BORING NO. EW-16

DATE: 01/15/04

Chun Alameda

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
No Odor	X	4:15 PM	21			
			22			
			23			
			24			
No Odor	X	4:45	25			
End 25'			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			
			36			
			37			
			38			
			39			
			40			

BORING NO. EW-16

DATE: 01/15/04

7' blank
18' screen
Sand @ 6
Seal @ 5

Chun
Alameda

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty Sand, brn, loose, fine to med, sl moist; possible tank backfill? No odor			1 2 3 4 5			
	X	11:20 AM	6 7 8 9 10			
Mod Strong odor @ 10' Siltier w/depth Green @ ~13'	X	11:45 limited recovery	11 12 13 14 15			
No odor brn @ ~ 17'	X	12:00 PM	16 17 18 19			
No odor		12:15 PM	20			

BORING NO. EW17

DATE: 01-15-04

Chun Alameda

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Yellowbrn			21 22 23			
No odor		12:30 PM	24 25			
End @ 25'			26 27 28 29 30 31 32 33 34 35 36 37 38 39 40			

BORING NO. EW-17
DATE: 01-15-04

7 blank
18' of screen
Sand to 6',
Seal 5-6
Grout to apron

Chun Alameda

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty Sand, brn, med dense, fine to med, sl moist to moist			1 2 3 4 5			
			6 7 8 9 10			
dark grn 11-15' green with mod strong odor @ 11'			11 12 13 14 15			
lt grn @ 15'-19'			16 17 18 19 20			

BORING NO. BZ

DATE: 01/16/04

Chun Alameda

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD:

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty sand, brn, dense, fine to med, sl moist to moist; no odor			21 22 23 24 25			
continuous core begins @ 25', no odor			26 27 28 29 30			
grey @ 31', no odor			31 32 33			
Silty sand, brn, med dense to dense, med to coarse, moist			34			
clayey silt, brn, stiff, dry to sl moist	X	1030 AM	35 36			
Sandy clay, ~~brn~~ lt brn, stiff, sl moist	X	1100 AM	37 38			
Becomes "blue" @ 38 to 40'			39			
End @ 40', continuous core 25-40'			40			

BORING NO. BZ
DATE: 01/16/04

Chun Alameda

Appendix B
Laboratory Data Sheets

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No.: N/A
Project Name: Chun
Sample Matrix: Water
Method: EPA 8015M (GRO)

AA Project No.: A57203
Date Received: 01/23/04
Date Reported: 02/05/04
Units: mg/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	DF	Results	MRL
166687	EW-15	01/21/04	01/30/04	100.0	**72**	0.1
166688	EW-17	01/21/04	01/30/04	50.0	**18**	0.1
166689	EW-16	01/21/04	01/30/04	2.0	**1.5**	0.1

MRL: Method Reporting Limit J: Estimated Value DF: Dilution Factor

NOTES:

GRO : Gasoline Range Organics

Viorel Vasile
Project Manager

American Analytics • 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No.: N/A
Project Name: Chun
Sample Matrix: Water
Method: EPA 8260B

AA Project No.: A57203
Date Received: 01/23/04
Date Reported: 02/05/04
Units: ug/L

Date Sampled:	**01/21/04**	**01/21/04**	**01/21/04**		
Date Analyzed:	**01/31/04**	**01/31/04**	**01/31/04**		
AA ID No.:	**166687**	**166688**	**166689**		
Client ID No.:	**EW-15**	**EW-17**	**EW-16**		
Dilution Factor:	**100.0**	**10.0**	**1.0**		**MRL**
Compounds:					
Benzene	**8400**	**2600**	**290**		0.5
Di-isopropyl Ether	<200	<20	<2		2
1,2-Dibromoethane (EDB)	<50	<5	<0.5		0.5
1,2-Dichloroethane (EDC)	<50	**20**	**14**		0.5
Ethyl tert-Butyl Ether	< 200		< 20	< 2	2
Ethylbenzene	**1900**	**500**	**0.52**		0.5
Methyl tert-Butyl Ether	<200	<20	<2		2
Tert-Amyl Methyl Ether	<200	<20	<2		2
Toluene	**11000**	**3600**	<0.5		0.5
m,p-Xylenes	**7100**	**1700**	**1.9**		1
o-Xylene	**2700**	**760**	<0.5		0.5
tert-Butanol	<1000	<100	<10		10

MRL: Method Reporting Limit J: Estimated Value

Viorel Vasile
Project Manager

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AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No.: N/A
Project Name: Chun
Sample Matrix: Soil
Method: EPA 8015M/8021B

AA Project No.: A57203
Date Received: 01/23/04
Date Reported: 02/05/04
Units: mg/Kg

Date Sampled:	**01/15/04**	**01/15/04**	**01/15/04**	**01/15/04**	
Date Analyzed:	**01/28/04**	**01/28/04**	**01/28/04**	**01/28/04**	
AA ID No.:	**166672**	**166673**	**166676**	**166677**	
Client ID No.:	**EW-15 10.5-11**	**EW-15 15.5-16**	**EW-17 10-10.5**	**EW-17 15.5-16**	
Dilution Factor:	**10.0**	**1.0**	**500.0**	**1.0**	**MRL**
Compounds:					
Benzene	**0.34**	<0.002	<1	<0.002	0.002
Ethylbenzene	**0.50**	<0.002	**55**	<0.002	0.002
Gasoline Range Organics	**26**	<0.5	**2200**	<0.5	0.5
Methyl tert-Butyl Ether	<0.2	<0.02	<10	<0.02	0.02
Toluene	**0.82**	<0.002	**65**	**0.0033**	0.002
Xylenes	**2.2**	<0.002	**320**	**0.0052**	0.002

Viorel Vasile
Project Manager

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AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No.: N/A
Project Name: Chun
Sample Matrix: Soil
Method: EPA 8015M/8021B

AA Project No.: A57203
Date Received: 01/23/04
Date Reported: 02/05/04
Units: mg/Kg

Date Sampled:	**01/15/04**	**01/15/04**	
Date Analyzed:	**01/28/04**	**01/28/04**	
AA ID No.:	**166681**	**166682**	
Client ID No.:	**EW-16 10-10.5**	**EW-16 15-15.5**	
Dilution Factor:	**500.0**	**1.0**	**MRL**
Compounds:			
Benzene	<1	<0.002	0.002
Ethylbenzene	**8.9**	<0.002	0.002
Gasoline Range Organics	**3400**	<0.5	0.5
Methyl tert-Butyl Ether	<10	<0.02	0.02
Toluene	<1	<0.002	0.002
Xylenes	**38**	<0.002	0.002

MRL: Method Reporting Limit J: Estimated Value

Viorel Vasile
Project Manager

American Analytics • 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8260B
Sample ID: Reagent Blank

Project No.: N/A
AA Project No.: A57203
Date Analyzed: 01/31/04
Date Reported: 02/05/04

Compounds	Results ug/L	MRL
Benzene	<0.5	0.5
Di-isopropyl Ether	<2	2
1,2-Dibromoethane (EDB)	<0.5	0.5
1,2-Dichloroethane (EDC)	<0.5	0.5
Ethyl tert-Butyl Ether	<2	2
Ethylbenzene	<0.5	0.5
Methyl tert-Butyl Ether	<2	2
Tert-Amyl Methyl Ether	<2	2
Toluene	<0.5	0.5
m,p-Xylenes	<1	1
o-Xylene	<0.5	0.5
tert-Butanol	<10	10

MRL: Method Reporting Limit

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LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8015M/8021B
Sample ID: Reagent Blank

Project No.: N/A
AA Project No.: A57203
Date Analyzed: 01/28/04
Date Reported: 02/05/04

Compounds	Results mg/Kg	MRL
Benzene	<0.002	0.002
Ethylbenzene	<0.002	0.002
Gasoline Range Organics	<0.5	0.5
Methyl tert-Butyl Ether	<0.02	0.02
Toluene	<0.002	0.002
Xylenes	<0.002	0.002

MRL: Method Reporting Limit

Viorel Vasile
Project Manager

LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8015M (GRO)
Sample ID: Reagent Blank

Project No.: N/A
AA Project No.: A57203
Date Analyzed: 01/30/04
Date Reported: 02/05/04

Compounds	Results mg/L	MRL
Gasoline Range Organics	<0.1	0.1

MRL: Method Reporting Limit

Viorel Vasile
Project Manager

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LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8260B
Sample ID: Laboratory Control Standard
Concentration: 20 ug/L

Project No.: N/A
AA Project No. A57203
Date Analyzed: 01/31/04
Date Reported: 02/05/04

Compounds	Recovered Amount (ug/L)	Recovery (%)	Acceptable Range (%)
Benzene	19.6	98	50 - 150
Ethylbenzene	21.1	106	50 - 150
Methyl tert-Butyl Ether	19.7	99	50 - 150
Toluene	19.0	95	50 - 150
o-Xylene	21.3	107	50 - 150

Viorel Vasile
Project Manager

American Analytics • 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8015M/8021B
Sample ID: Laboratory Control Standard
Concentration: 0.02 mg/Kg

Project No.: N/A
AA Project No. A57203
Date Analyzed: 01/28/04
Date Reported: 02/05/04

Compounds	Recovered Amount (mg/Kg)	Recovery (%)	Acceptable Range (%)
Benzene	0.0166	83.00	69.00 -131
Ethylbenzene	0.0233	117.00	63.00 -137
Gasoline Range Organics	0.0180	90.00	48.00 -152
Toluene	0.0232	116.00	67.00 -133

Viorel Vasile
Project Manager

American Analytics • 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8015M (GRO)
Sample ID: Laboratory Control Standard
Concentration: 0.5 mg/L

Project No.: N/A
AA Project No. A57203
Date Analyzed: 01/30/04
Date Reported: 02/05/04

Compounds	Recovered Amount (mg/L)	Recovery (%)	Acceptable Range (%)
Gasoline Range Organics	0.493	99.0	48.0 - 152

Viorel Vasile
Project Manager

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Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Chun
Project Name: Chun
Method: EPA 8015M/8021B
Sample ID: Matrix Spike
Concentration: 0.02 mg/Kg

AA ID No: 166673
Project No.: N/A
AA Project No. A57203
Date Analyzed: 01/28/04
Date Reported: 02/05/04

Compounds	Result (mg/Kg)	Spike Recovery (%)	Dup. Result (mg/Kg)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	0.0190	95.00	0.0222	111.0	15.	65.00 -135
Ethylbenzene	0.0177	89.00	0.0209	105.0	16.	77.00 -123
Gasoline Range Organics	0.0192	96.00	0.0182	91.00	5.3	50.00 -150
Toluene	0.0229	115.00	0.0257	129.0	11.	66.00 -134

Viorel Vasile
Project Manager

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Tel: (818) 998 - 5547 • • Fax: (818) 998 - 7258

CHAIN OF CUSTODY RECORD

Chun
2301 Santa Clara Avenue
Alameda, CA

AA Project #: A57207

Laboratory Analysis P.O. No._____
Laboratory Please Call Accounts Payable for P.O. No.
Date: _____ Sheet 1 Of 2

Sampler's Name: Frank Goldman
Sampler's Signature: Frank Goldman

Sample Number	Location	Date	Time	TPHg/BTEX 8015/8020 & 5 Oxygenates 2 Lead Scavengers	EPA 8015/8020 for TPHg /BTEX & presence of MTBE	AA Lab #	Volatile Organics (8010)	Pr. Pollutant Metals (13)	Pesticides 8140/8141	BTEX & EPA 8020	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE
EW-15	5½-6	01/15/04	7⁴⁵ AM			166671						X	
EW-15	10½-11		8¹⁵ AM		X	166672							
EW-15	15½-16		8⁴⁵ AM		X	166673							
EW-15	25½-26		9²⁰ AM			166674							
EW-17	5½-6		10³² AM			166675							
EW-17	10-10½		11⁴⁵ AM		X	166676							
EW-17	15½-16		12⁰⁰ PM		X	166677							
EW-17	20-20½		12¹⁵ PM			166678							
EW-17	24½-25		12³⁰ PM			166679							
EW-16	5½-6	↓	3¹⁵ PM			166680						↓	

Parameters

American Analytics
9765 Eton Avenue
~~Chatsworth, CA 91311~~
~~Tel: (818) 998-5547~~
ext 320 or 318
Fax: (818) 998-7258

Turnaround Time
☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 10-Day

Repeat to: Frank

Comments
payment by chun

'04 JAN 23 PM 4:35

Relinquished By	Date	Time
Frank Goldman	01/21/04	1⁵² PM
Dispatched By	Date	Time
Fed Ex	1/22	1635

Received By	Date	Time
[signature]	1/21/04	1⁴⁰ PM
Received In Lab By	Date	Time
[signature]	1/23	9635

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements: Keep on Ice

approved as written per 01/26/04 T.Vuong

CHAIN OF CUSTODY RECORD

Chun
2301 Santa Clara Avenue
Alameda, CA

AA Project #: A57203

Laboratory Analysis P.O. No. _____

Laboratory Please Call Accounts Payable for P.O. No.

Date: _____ Sheet 2 Of 2

Sampler's Name: Frank Goldman

Sampler's Signature: Frank Goldman

Sample Number	Location	Date	Time	TPHg/BTEX 8015/8020 & 5 Oxygenates 2 Lead Scavengers	EPA 8015/8020 for TPHg /BTEX & presence of MTBE	AA Lab #	Volatile Organics (8010)	Pr. Pollutant Metals (13)	Pesticides 8140/8141	BTEX & EPA 8020	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE
EW-16	10-10½	01/15/04	3³⁰		X	166681						X	
EW-16	15-15½		3⁴⁵		X	166682							
EW-16	20½-21		4¹⁵			166683							
EW-16	24½-25	↓	4⁴⁵			166684							
BZ	35-35½	01/16/04	10³⁰ AM			166685							
BZ	37½-38	01/16/04	11⁰⁰ AM			166686						↓	X
EW-15		01/21/04	8⁰⁰ AM	X		166687							X
EW-17			10⁰⁰ AM	X		166688							X
EW-16		↓	12⁰⁰ PM	X		166689							X

Relinquished By	Date	Time
Frank Goldman	01/21/04	1⁰⁰ PM
Dispatched By	Date	Time
Fed Ex	1/23	1635

Received By	Date	Time
A. Chun	1/21/04	1⁴³ PM
Received In Lab By	Date	Time
Leonette	1/23	1635

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements: **Keep on Ice**

American Analytics
9765 Eton Avenue
~~Chatsworth, CA 91311~~
~~Tel: (818) 998-5547~~
ext 320 or 318
Fax: (818) 998-7258

Turnaround Time

☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 10-Day

Repeat to: Frank

Comments

payment by Chun

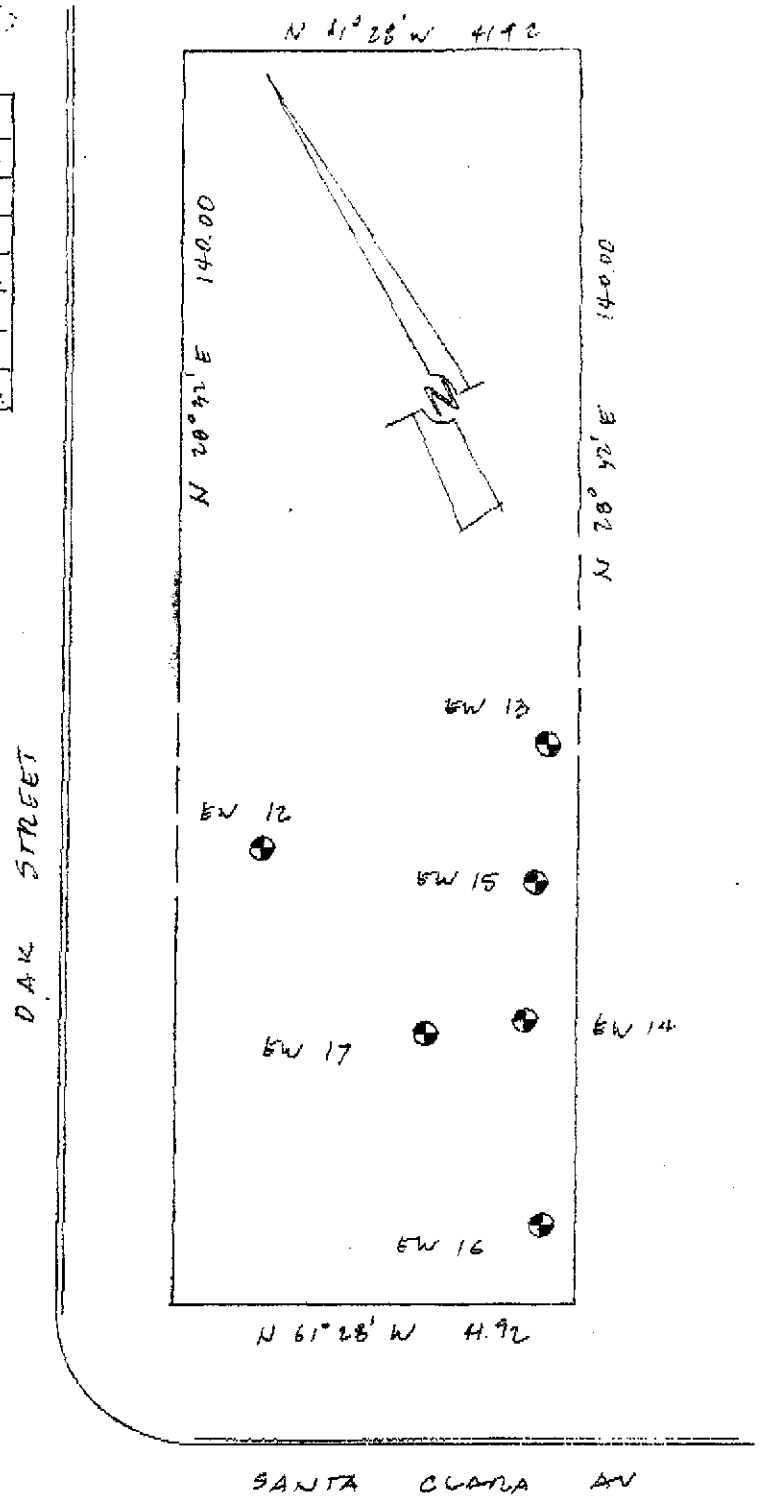
'04 JAN 23 PM 4:35

approved as work order 01/26/04 1545 V. Vonzle

Appendix C
Land Survey

AMENDED ELEVATIONS

NO.	U.S.C.G.S. X	U.S.C.G.S. Y	CASING	CASING
EW 13	465708.13	1496520.86	25.23	28.64
EW 14	465682.48	1496503.76	25.80	29.21
EW 15	465695.44	1496511.44	25.30	28.71
EW 16	465661.82	1496491.76	25.61	29.02
EW 17	465686.30	1496493.52	25.54	28.95
EW 12	465712.49	1496489.17	24.84	28.25
		BM	ALAMEDA	MEAN SEA LEV.



MONITORING WELLS, 2301 SANTA CLARA AVENUE ALAMEDA

DATE 2-9-2004

SCALE 1" = 20'

SURVEY DEAK

PLAT DEAK

JOB NO.

CLIENT: MR WAYNE CHUN

ANDREAS DEAK
LICENSED LAND SURVEYOR
2116 BUENA VISTA AVENUE ALAMEDA CA 94501
PHONE: 865-4289

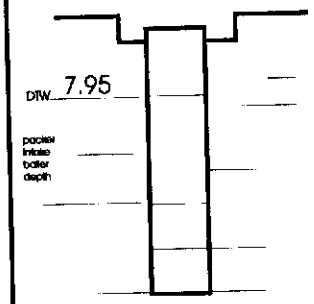
TABLE 1
Depth to Groundwater Measurements
September 20, 2003

Well No	Depth to Groundwater from TOC (feet bgs)	TOC Elevation (feet) MEAN SEA LEVEL	Water Table Elevation (feet)	ALAMEDA CITY DATUM
MW-1	9.38	28.49	19.11	25.08
MW-2	9.33	28.47	19.14	25.06
MW-3	9.56	28.78	19.22	25.37
MW-4	9.24	28.53	19.29	25.12
MW-5	9.13	28.33	19.20	24.92
MW-6	9.22	28.36	19.14	24.95
MW-7	9.38	28.44	19.06	25.03
MW-8	8.76	28.17	19.41	24.76
MW-9	8.25	27.45	19.20	24.04
MW-10	8.04	27.32	19.28	23.91
MW-11	9.61	28.56	18.95	25.15
SV-1	9.27	28.42	19.15	25.01
		ALAMEDA CITY DATUM ↓		
EW-12	9.12	24.84	15.72	
EW-13	9.59	25.22	15.63	
EW-14	10.09	25.80	15.71	

Appendix D
Well Development Logs

PROJECT: Chun EVENT: _____ SAMPLER: FG DATE: Sept 21, 2003

WELL/HYDROLOGIC STATISTICS EW-15



Action	Time	Pump Rate	WL (low yield)
Stop			
Sampled			
(Final WL)			

Purge Calculator
_____ gal/ft. _____ ft. (SWL to BOP or packer to BOP) _____ gals. X 3 = _____ gals. (one volume / purge volume-3 casings)
Head Purge Calculation (Aliffi Only)
_____ gal/ft. _____ ft. (packer to SWL) _____ gals

Equipment Used/Sampling method/Description of Event:
Electronic water level indicator, weighted plastic disposable bailor, Hydac kit

Actual Gallons Purged: _____
Actual Volumes Purged: _____
Well Yield: ● _____ (See Below)

COC #: _____

Sample I.D.	Analysis	Lab

Additional Comments:
Clear, strong hydrocarbon odor

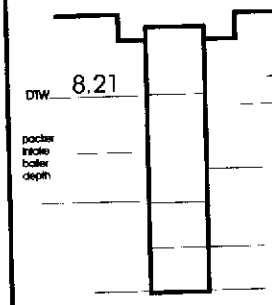
Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TURBIDITY (NTU)	HEAD (FT)	TIME
1. 3.5	64,3	1227	7.0			6:20am
2. 2.5	65,2	1188	7.1			7:15
3. 3.0	65.6	1212	7.1			7:50
4.						
5.						

*Take measurement at approximately each casing volume purged

● HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump. LY - able to purge 3 volumes by returning later or next day. VLY - Minimal recharge unable to purge 3 volumes.

PROJECT: Chun EVENT: _____ SAMPLER: FG DATE: Sept 22, 2003

WELL/HYDROLOGIC STATISTICS EW-17



Action	Time	Pump Rate	WL (low yield)
Stop			
Sampled			
(Final WL)			

Purge Calculator
_____ gal/ft. _____ ft. (SWL to BOP or packer to BOP) _____ gals. X 3 = _____ gals. (one volume / purge volume-3 casings)
Head Purge Calculation (Aliffi Only)
_____ gal/ft. _____ ft. (packer to SWL) _____ gals

Equipment Used/Sampling method/Description of Event:
Electronic water level indicator, weighted plastic disposable bailor, Hydac kit

Actual Gallons Purged: _____
Actual Volumes Purged: _____
Well Yield: ● _____ (See Below)

COC #: _____

Sample I.D.	Analysis	Lab

Additional Comments:
Clear, strong hydrocarbon odor

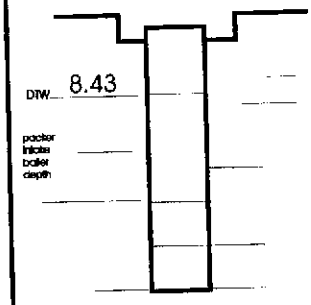
Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TURBIDITY (NTU)	HEAD (FT)	TIME
1. 2.5	68.1	1201	6.9			8:35am
2. 3.5	67.4	1223	7.1			9:10
3. 3.5	67.7	1199	7.1			9:45
4.						
5.						

*Take measurement at approximately each casing volume purged

● HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump. LY - able to purge 3 volumes by returning later or next day. VLY - Minimal recharge unable to purge 3 volumes.

PROJECT: Chun EVENT: _____ SAMPLER: FG DATE: Sept 21, 2003

WELL/HYDROLOGIC STATISTICS EW-16



Action	Time	Pump Rate	WL (low yield)
Stop			
Sampled			
(Final WL)			

Purge Calculator
_____ gal/ft. _____ ft. (SWL to BOP or packer to BOP) _____ gals. X 3 = _____ gals. (one volume / purge volume-3 casings)
Head Purge Calculation (Aliffi Only)
_____ gal/ft. _____ ft. (packer to SWL) _____ gals

Equipment Used/Sampling method/Description of Event:
Electronic water level indicator, weighted plastic disposable bailor, Hydac kit

Actual Gallons Purged: _____
Actual Volumes Purged: _____
Well Yield: ● _____ (See Below)

COC #: _____

Sample I.D.	Analysis	Lab

Additional Comments:
Clear moderate strong odor

Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TURBIDITY (NTU)	HEAD (FT)	TIME
1. 3.5	70.2	1112	6.9			10:10am
2. 3.0	70.4	1101	7.0			10:45
3. 3.0	70.1	1121	7.1			1125
4.						
5.						

*Take measurement at approximately each casing volume purged

● HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump. LY - able to purge 3 volumes by returning later or next day. VLY - Minimal recharge unable to purge 3 volumes.

WELL DEVELOPMENT DATA SHEET

oject #: 040120-MT1	Client: ~~Clearwater~~ Cleanheart Drilling
veloper: M. Toll	Date Developed: 1-20-04
ell I.D. EW-17	Well Diameter: (circle one) 2 3 ④ 6
tal Well Depth:	Depth to Water:
fore 23.50 After 24.20	Before 8.21 After 19.76
ason not developed:	If Free Product, thickness:
ldditional Notations:	

Volume Conversion Factor (VCF):
(12 x (d^2/4) x π) /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

9.9	X	10	=	99
1 Case Volume		Specified Volumes		gallons

rging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used 4" Surge Block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
		Surged well for 15min				
1200	64.1	7.6	1776	>1000	10	Removing Sand & silt
1210	64.9	7.3	1850	>1000	20	Hard Bottom
						Switched to E.S.
1218	1039	7.5	1693	>1000	30	2 GPM, Odor
1223	66.1	7.2	1360	>1000	40	2 GPM, Odor
1228	66.2	7.2	1269	>1000	50	2 GPM, "
	Dewatered					
1240	63.1	7.1	1135	>1000	60	2 GPM, Slight odor
1245	63.0	7.0	1050	>1000	70	2 GPM, " "
1250	64.5	6.9	1158	292	80	2 GPM " "
1255	64.0	6.9	1150	111	90	2 GPM " "
1300	63.7	6.9	1102	96	99	2 GPM " "

d Well Dewater? Yes If yes, note above. Gallons Actually Evacuated: 99 TDS = 600 ORP = 52

WELL DEVELOPMENT DATA SHEET

oject #: 040120-MT1	Client: ~~Clean Water Drilling~~ Clean HART
veloper: M. Toll	Date Developed: 1-28-04
ell I.D. EW-17	Well Diameter: (circle one) 2 3 ④ 6
tal Well Depth:	Depth to Water:
fore 23.50 After 24.20	Before 8.21 After 19.76
ason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):
(12 x (d^2/4) x π) /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

9.9	X	10	=	99
1 Case Volume		Specified Volumes		gallons

rging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used 4" Surge Block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
		Surged well for 15 min				
1200	64.1	7.6	1776	>1000	10	Removing Sand & Silt
1210	64.9	7.3	1850	>1000	20	Hard Bottom
						Switched to E.S.
1218	1039	7.5	1693	>1000	30	2 GPM, Odor
1223	66.1	7.2	1360	>1000	40	2 GPM, Odor
1228	66.2	7.2	1269	>1000	50	2 GPM, "
	Dewatered					
1240	63.1	7.1	1135	>1000	60	2 GPM, Slight odor
1245	63.0	7.0	1050	>1000	70	2 GPM, " "
1250	64.5	6.9	1158	292	80	2 GPM " "
1255	64.0	6.9	1150	111	90	2 GPM " "
1300	63.7	6.9	1102	96	99	2 GPM " "

d Well Dewater? Yes If yes, note above. Gallons Actually Evacuated: 99 TDS = 600 ORP = 52

WELL DEVELOPMENT DATA SHEET

oject #: 040120-MT1	Client: ~~Groundwater~~ Clean Hart Drilling
veloper: M. Toll	Date Developed: 1-20-04
ell I.D. EW-17	Well Diameter: (circle one) 2 3 ④ 6
tal Well Depth:	Depth to Water:
fore 23.50 After 24.20	Before 8.21 After 19.76
ason not developed:	If Free Product, thickness:
ditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

9.9	X	10	=	99
1 Case Volume		Specified Volumes		gallons

rging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used 4" Surge Block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
		Surged	well for 15min			
1200	64.1	7.6	1776	>1000	10	Removing Sand/silt
1210	64.9	7.3	1850	>1000	20	Hard Bottom
						switched to E.S.
1218	1039	7.5	1693	>1000	30	2 GPM, Odor
1223	66.1	7.2	1360	>1000	40	2GPM, Odor
1228	66.2	7.2	1269	>1000	50	2GPM, "
	Dewatered					
1240	63.1	7.1	1135	>1000	60	2GPM, Slight odor
1245	63.0	7.0	1050	>1000	70	2GPM, " "
1250	64.5	6.9	1158	292	80	2GPM " "
1255	64.0	6.9	1150	111	90	2GPM " "
1300	63.7	6.9	1102	96	99	2GPM " "

d Well Dewater? Yes If yes, note above. Gallons Actually Evacuated: 99 TDS = 600 ORP=52

WELLHEAD INSPECTION CHECKLIST

nt ~~Chevron~~ Drilling, Clearheart Drilling Date 1-20-04

Address 2301 Santa Clara, Alameda

Number 040120-MT1 Technician M.T.

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
EW-15								✓
EW-16								✓
EW-17	✓							

OTES: EW-15, EW-16: No Lock

WELLHEAD INSPECTION CHECKLIST

nt ~~Clearwater Drilling~~ Clearstart Drilling Date 1-20-04

Address 2301 Santa Clara, Alameda

Number 040120-MT1 Technician M.T.

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
EW-15								✓
EW-16								✓
EW-17	✓							

OTES: EW-15.
EW-16: No Lock

WELLHEAD INSPECTION CHECKLIST

nt ~~Cascade Drilling~~ ClearHart Drilling Date 1-20-04

Address 2301 Santa Clara, Alameda

Number 040120-MT1 Technician M.T.

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
EW-15								✓
EW-16								✓
EW-17	✓							

OTES: EW-15, EW-16: No Lock