W. A. CRAIG, INC.

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October 2, 1995

Mr. Dennis Buran Glascock Street Properties 436 14th Street, Room 305 Oakland, CA 94612 (510) 444-1391 (510) 444-1394 FAX

PROJECT NO: 3406D

SUBJECT: THIRD QUARTER GROUNDWATER SAMPLING RESULTS FOR 2901 GLASCOCK STREET, OAKLAND, CALIFORNIA.

Dear Mr. Buran:

Enclosed is a copy of the third quarter groundwater monitoring results from the August 28, 1995 sampling event located at 2901 Glascock Street, Oakland, California. Seven wells were sampled and analyzed for TPH-d, TPH-g, and BTEX. The laboratory results revealed elevated levels of TPH-d (310 to 4,100 ppb) in MW-1, MW-2, MW-3, MW-5, and MW-6. Elevated levels of TPH-g (250 to 320 ppb) were found in MW-1, MW-2, and MW-6. Low levels of benzene (2.9 to 6.1 ppb) were found in MW-1, MW-2, and MW-6.

The next quarterly sampling is scheduled for November 28, 1995.

If you have any questions in regard to this report, please call me at (707) 252-3353.

Sincerely,

W. A. CRAIG, INC.

Rafael L. Gallardo

Project Manager/Geologist

W. A. CRAIG, INC.

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5557

CALL

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THIRD QUARTERLY MONITORING REPORT

Located at: 2901 GLASCOCK STREET OAKLAND, CALIFORNIA

Prepared for: MR. DENNIS BURAN GLASCOCK STREET PROPERTIES 436 14TH STREET, ROOM 305 OAKLAND, CA 94612

By:

RAFAEL L. GALLARDO PROJECT MANAGER W. A. CRAIG, INC.

W. A. Craig II, R. Z.A. 0/414

Frank Goldman, R.G. 5557

Rafael L. Gallardo, Project Geologist

W. A. Craig, Inc. Job No. 3406 October 2, 1995

TABLE OF CONTENTS

		Pag	ţ¢								
1.0	INTI	RODUCTION	1								
	1.1	Site Location and Description	1								
	1.2	Background									
	1.3	Local and Regional Hydrogeology									
2.0	GRO	OUNDWATER SAMPLING	5								
	2.1	Groundwater Elevation Measurements	5								
	2.2	Monitoring Well Sampling	5								
3.0	ANALYTICAL RESULTS										
	3.1	Monitoring Well Sampling Analytical Results	8								
4.0	REC	OMMENDATIONS	9								
5.0	SCH	EDULE OF ACTIVITIES FOR NEXT QUARTER	9								
	5.1	Groundwater Elevation Measurement	ç								
	5.2	Quarterly Sampling									
6.0	LIM	ITATIONS	9								
APPI	ENDIX	A Analytical Data Sheets and Chain-of-Custody Records for Monitoring Well Sampling, August 28, 1995.									

LIST OF TABLES

TABLE 1	Groundwater Elevation Data	6
TABLE 2	Historical and Current groundwater Analytical Results	8
	LIST OF FIGURES	
FIGURE 1	Site Location Map	2
FIGURE 2	Monitoring Well Locations and Groundwater Gradient	3

1.0 INTRODUCTION

1.1 Site location and description

Glascock Street Properties is located on the south side of Glascock Street, Oakland, California (See attached Figure 1). The site is relatively flat and contains a large building that covers most of the property. The Oakland Estuary is adjacent to the south side of the property. The western half of the existing building is currently leased to the Stan Flowers Company (See attached Figure 2).

1.2 Site History

The warehouse was built in the 1920's. The property was used by Oliver United Filters for the manufacturing of water filters for oil field applications.

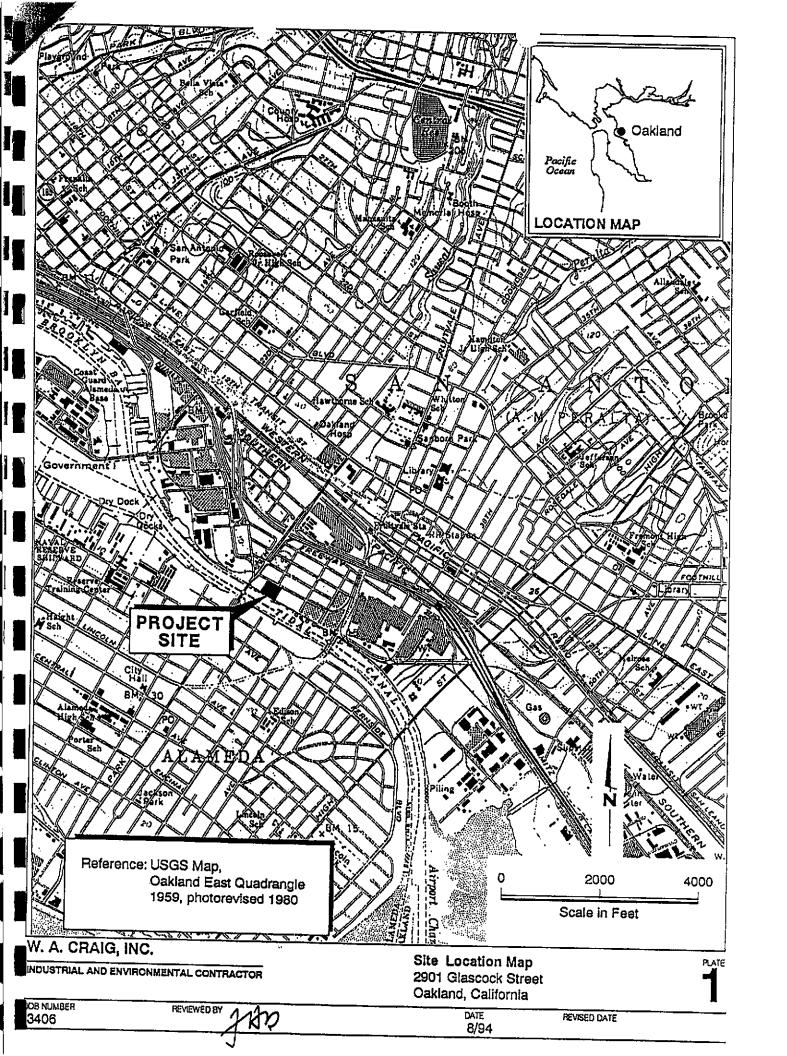
In February of 1993, two underground fuel oil storage tanks were removed from the warehouse. The tanks had been out of operation for approximately thirty years.

On February 23, 1993, Pacific Rim Environmental removed and disposed of a 4,000 gallon underground fuel tank (Tank No. 1). The tank showed signs of corrosion but was free of punctures. A soil sample was collected from each end of the excavation at a depth of eighteen inches below the bottom of the tank excavation. The analytical results revealed 1,400 ppm of total petroleum hydrocabons as diesel (TPH-D) and 1 ppm of total petroleum hydrocabons as gasoline (TPH-G).

On February 26, 1993, Pacific Rim Environmental removed and disposed of a 20,000 gallon underground fuel tank (Tank No. 2). The tank showed signs of corrosion but was intact. Four soil samples were collected from the excavation pit and tested for Oil and Grease (O&G), TPH-D, TPH-G, and BTEX. The analytical results revealed O&G levels between 390 and 1,900 ppm, TPH-D levels between 1,200 to 3,800 ppm, and minor amounts of Ethylbenzene and Xylenes.

Pacific Rim Environmental subsequently performed overexcavation remediation at both tank site locations. However, the extent of the contamination was never defined.

On July 17, 1995, W. A. Craig, Inc.'s Consulting Division submitted a second quarter groundwater monitoring report.



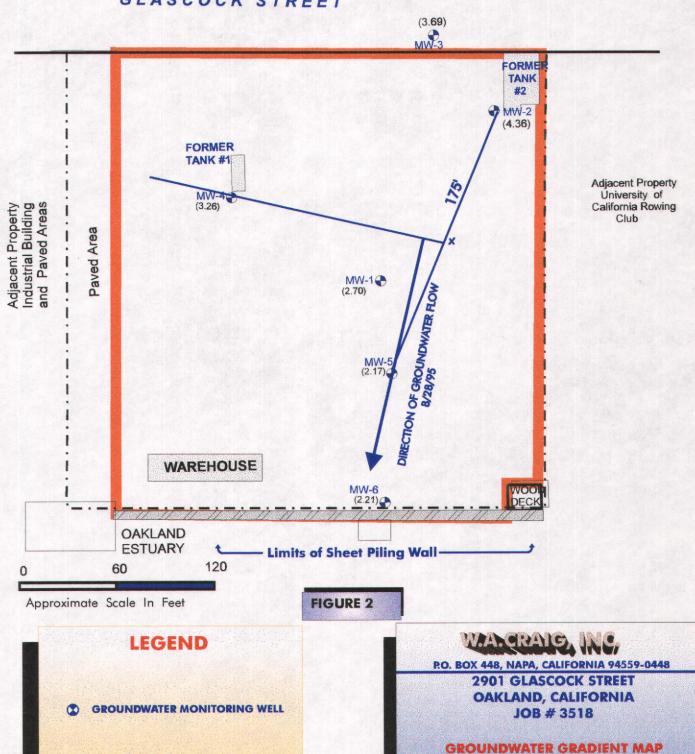


PETERSON

STREET

STREET

GLASCOCK STREET



SEPTEMBER 28, 1995

1.3 GEOLOGY AND HYDROGEOLOGY

Geology

The site is located on the East Bay Plain adjacent to the Tidal Canal and across from Alameda and the San Francisco Bay. The property is relatively flat.

The site is underlain by Undivided Quaternary Deposits (Qu). The predominant formation is the Temescal Formation consisting of contemporaneous alluvial units of different origin, lithology, and physical properties. The material ranges from irregularly bedded clay, silt, sand and gravel to lenses of clay, silt, sand, and gravel with Claremont Chart.

The Hayward Fault is approximately 3.25 miles northeast of the site and is an active historic Fault. The Hayward Fault is the only active fault in the Oakland East Quadrangle.

Hydrogeology

The site is located within the East Bay Plain which makes up the ground water reservoir in the area. The water bearing capacity varies within the area due to the juxtaposed positions of the various types of soils and strata encountered underneath the East Bay Plain.

In general, the water bearing capacities of the Younger Alluvium range from moderately permeable to low permeable soils. Below the Younger Alluvium at a depth of approximately 70 feet lies the Older Alluvium, which yields large to small quantities of water.

References:

Radbruch, Dorothy H., Areal and Engineering Geology of the Oakland West Quadrangle, California, Map I-239, 1957.

Bulletin No. 118 California's Ground water. State of California. Department of Water Resources, September 1975.

Bulletin 118-80, Ground Water Basins in California. State of California. Department of Water Resources, January 1980.

2.0 GROUNDWATER SAMPLING

2.1 GROUNDWATER ELEVATION MEASUREMENTS

The groundwater elevation was measured for monitoring wells MW-1 through MW-7 on August 28, 1995. The static groundwater elevation was recorded on a Sample Event Data Sheets for the August quarterly sampling and are presented in **Appendix A**.

The groundwater flow direction was calculated from the August 28, 1995 reading. Groundwater elevation data is shown on **Figure 2**. The groundwater flow direction is toward the southwest. The hydraulic gradient was .012 ft/ft. The water level rose approximately .92 feet since the last measurement taken in May of 1995.

Table 1 contains the monitor well elevation, static water level and groundwater surface elevation.

2.2 MONITORING WELL SAMPLING

Monitoring Wells MW-1 through MW-7 were sampled on August 28, 1995. Each well was sampled after purging at least three casing volumes and allowing the water level to recover to at least 80% of the original, static level. Temperature, turbidity, electrical conductivity, and pH were monitored during each purging. The data was used to verify that water had been removed from well casing storage and that well water was representative of the aquifer. The sampling event data sheets are presented in **Appendix A**.

Water samples were collected using disposable Teflon bailers. Each water sample was contained in three 40-milliliter VOA vials and a 1-liter amber bottle. The samples were labeled and stored on ice until delivered, under chain-of-custody procedures, to McCampbell Analytical, Inc. of Pacheco, California, a State-Certified analytical laboratory. The Samples were analyzed for total petroleum hydrocarbons in the diesel range (TPH-d) using GCFID 3550/EPA modified Method 8015, total petroleum hydrocarbons in the gasoline range (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX) using GCFID 5030/EPA Method 8015/8020.

TABLE 1 Groundwater Elevation Data August 28, 1995 2901 Glascock Street, Oakland, California

WELL	WELL DIAMETER (Inches)	TOP OF CASING *(Feet)	DEPTH TO WATER (Feet)	STATIC WATER LEVEL (Feet)
MW-1	2	10.76	8.06	2.70
MW-2	2	10.62	6.26	4.36
MW-3	2	9.87	6.18	3.69
MW-4	2	10.64	7.38	3.26
MW-5	2	10.61	8.44	2.17
MW-6	2	10.27	8.06	2.21
MW-7	2	9.85	4.49	5.36

^{*} Datum point, corner of Glascock and Peterson Streets, city of Oakland = 10.296 Mean Sea Level, (MSL).

3.0 ANALYTICAL RESULTS

3.1 MONITORING WELL SAMPLING ANALYTICAL RESULTS

The analytical results of the August 1995 sampling and historical results of previous sampling rounds can be found in **Table 2**. The laboratory analytical data sheets and chain-of-custody records for the May sampling are included as Appendix A. The detection limits for the TPH-g and TPH-d analyses are 50 ug/L and for the BTEX analysis 0.5 ug/L.

The analytical results revealed elevated levels of TPH-d (1,800, 4,100, 310, 170, and 2,100 ppb) in monitoring wells MW-1, MW-2, MW-3, MW-5, and MW-6, respectfully. MW-4, and MW-7 were non-detect. Elevated levels of TPH-g (250, 320, and 140 ppb) were found in MW-1, MW-2, and MW-6, respectfully. MW-3, MW-4, MW-5, and MW-7 were non-detect. Low levels of Benzene (5.4, 2.9, and 6.1 ppb) were found in MW-1, MW-2, and MW-6, respectfully. MW-3, MW-4, MW-5, and MW-7 were non-detect.

TABLE 2
Historical and Current sampling results for Glascock Site

WELL NUMBER	SAMPLE DATE	TPH- Diesel ug/L	TPH-Gas ug/L	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Xylenes ug/L
MW-1	10/06/94 01/20/95	NT 1,900	NT 670	NT 5.3	NT ND	NT ND	NT 1.1
	05/15/95	3,400	290	7.9	ND	ND	1.4
	08/28/95	1,800	250	5.4	ND	ND	1.1
MW-2	10/06/94	NT	NT	NT	NT	NT	NT
	01/20/95	4,000	520	2.2	1.9	ND	1.3
	05/15/95	5,100	310	2.3	1.9	ND	1.4
	08/28/95	4,100	320	2.9	2.9	ND	2.6
MW-3	10/06/94 01/20/95 05/15/95 08/28/95	320 460 310 310	NT 86 60 ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND
MW-4	10/06/94 01/20/95 05/15/95 08/28/95	ND ND ND ND	NT ND ND ND	ND ND ND ND	ND ND ND	ND ND ND ND	ND ND ND ND
MW-5	05/15/95	90	ND	ND	ND	ND	ND
	08/28/95	170	ND	ND	ND	ND	ND
MW-6	05/15/95	1,100	120	5.6	0.88	ND	2.1
	08/28/95	2,100	140	6.1	0.77	ND	2.3
MW-7	05/15/95	ND	110	ND	ND	ND	ND
	08/28/95	ND	ND	ND	ND	ND	ND
of Health primary contaminat	Department n Services maximum ion level for g water.	None Listed	None Listed	1.0	1000	680	1750

^{*} Marshall, J.B., 1989, A Compilation of Water Quality Goals, Staff Report of the California Regional Water Quality Control Board, Central Valley Region, 15 p.

ND = Non-detectable levels

NT = Not Tested

4.0 CONCLUSIONS

Analytical results for monitoring wells MW-1, and MW-2 exhibit decreasing amounts of TPH-d while MW-5 and MW-6 exhibit an increase in TPH-d. MW-3 concentrations remained the same as the last sampling event (310 ppb). No amounts were detected in MW-4, or MW-7. Concentrations of TPH-g (>100 ppb), and Benzene (>2.5 ppb) were detected in MW-1, MW-2, and MW-6. MW-3, MW-4, MW-5, and MW-7 were non-detect. The diesel and gasoline groundwater plumes appear to be migrating toward the Oakland Estuary. This is supported by the increased concentrations of TPH-d, TPH-g and Benzene detected in MW-5, and MW-6.

Because of the close proximity to the bay, and the high conductivity readings, the wells may be subject to tidal influence.

5.0 RECOMMENDATIONS

W.A. Craig, Inc. recommends continued monitoring for another quarter. In addition, we recommend that the monitoring wells be measured hourly for one day. By performing this task, we will be able to determine if there is a tidal connection with the groundwater beneath the site.

6.0 SCHEDULE OF ACTIVITIES FOR NEXT QUARTER

6.1 GROUNDWATER ELEVATION MEASUREMENT

The on-site wells will be sounded and the groundwater level will be measured for each quarter. Water samples will again be collected along with water level measurements. The direction of groundwater flow and the hydraulic gradient will be calculated.

6.2 QUARTERLY SAMPLING

The next quarterly sampling event will occur the last week in November, 1995. The quarterly report will present the results of the November sampling.

7.0 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 analysis, 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 of the site and vicinity, and interpretation of available information as described in this report. W.A. Craig, Inc., recognizes that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of said user.

APPENDIX A

ANALYTICAL DATA SHEETS
AND
CHAIN-OF-CUSTODY RECORD
FOR MONITORING WELL SAMPLING
August 28, 1995

W. A. CRAIG, INC. CHAIN-OF-CUSTODY RECORD AWACK435 Paid * 7315 PROJECT NO. PROJECT NAME **ANALYSIS** MATRIX: Soll, Water, Air, Sludge, Other 3406 Choscode TPHgasoline (8015)

BTEX (602/8020)

TPHdiesel (8015) PURCHASE & BTEX Runde Gust REMARKS LABORATORY DATE I. D. NUMBER TIME W. A. CRAIG, INC.'S SAMPLE IDENTIFICATION ICE 55811 1995 HCL. 8/23 (2 VOA /Ltr.) 1-11-7 55812 12:05 1405-3. ٤ 55813 12:14 1:10-2. Mer-/ ... 14:04 W 55814 140-5 55815 -11 15:18 12:6 15:55 1113-4 55816 55817 VOIS DAG HT PRESERVATIVE A COOL CONDUILLA ATTROPPLATE I TO TRACE ABSENT CONTENERS A RELINQUISHED BY (Signature): RECEIVED BY (Signature): DATE/TIME LABORATORY: PLEASE SEND RESULTS TO: Shoob Rydilme 82895 17:20 Melagobell W. A. CRAIG, INC. P.O. BOX 448 Analytical
TURNAROUND
TIME: Part # 7315 DATE/TIME NAPA, CA 94559-0448 (707) 252-3353 RELINOUISHED BY (Signature): DATE/TIME RECEMED BY (Signature): Stad , too ATTN: lives w/ con. COPPAN DEGTECHNICA TECHNICA BOS (SAC)

McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

P.O. Box 448		Client Project ID: # 3406; Glascock		Date Sampled: 08/28/95	
		Client Con	tact: Bill Craig	Date Received: 08/28/95 Date Extracted: 08/28/95	
		Client P.O	: 1000	Date Analyzed: 08	
EPA methods me	Diesel 1 odified 8015, and 3550	Range (C10 or 3510; Calif	-C23) Extractable Hydrocarbon fornia RWQCB (SF Bay Region) metho		
Lab ID Client ID		Matrix	TPH(d) ⁺	- 5 03 1D (0010) 01 (001)	% Recovery Surrogate
55811	MW-7	w	ND		98
55812	MW-3	w	310,a	:	98
55813	MW-2	W	4100,a,h		
55814 MW-1		w	1800,a		100
55815	MW-5	w	170,a	:	103
55816	MW-6	w	2100,a		107
55817	MW-4	w	ND		101
		,	8		
	;			The second secon	
					,
Reporting Limit unless otherwise stated; ND means not de-			-		. /
		w	50 ug/L		Market Market of the American Principal
ceted above th	no reporting limit	S	1.0 mg/kg		

^{*} water samples are reported in ug/L, soil samples in mg/kg, and all TCLP and STLC extracts in mg/L

DHS Certification No. 1644

Edward Hamilton, Lab Director

[#] cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

⁺ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; c) medium boiling point pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks that contains greater than ~ 5 vol. % sediment.

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622

		Client Project ID: # 3406; Glascock				Date Sampled: 08/28/95		
P.O. Box 448		Client Contact: Bill Craig				Date Received: 08/28/95		
Napa, CA 9455	59-0448					ate Extracte	d: 08/28-0	8/30/95
		Client P.O:			I	ate Analyze	d: 08/28 - 08	30/95
EPA methods 503	Gasoline Rang 0, modified 8015, and	e (C6-C12) 8020 or 602; (Volatile Hyd	irocarbons CB (SF Bay R	as Gasoli egion) meth	ne*, with BT	EX *	
Lab ID	Client ID	Matrix	TPH(g) [†]	Benzene	Toluene	Ethylben- zene	Xylenes	% Rec. Surrogate
55811	MW-7	W.	ND	ND	ND	ND	ND	102
55812	MW-3	W	ND	ND	ND	ND	ND	87
55813	MW-2	W	320,b,d,h	2.9	2.9	ND	2,6	99
55814	MW-1	W	250,b,d	5.4	ND	ND	1.1	95
55815	MW-5	w	ND	ND	ND	ND	ND	99
55816	MW-6	W	140,b,d	6,1	0.77	ND	2.3	95
55817	MW-4	w :	ND	ND	ND	ND	ND	103
							1	
						52		
Reporting Limit unless other- wise stated; ND means not de- tected above the reporting limit		w	50 ug/L	0.5	0.5	0.5	0.5	
		it s	1.0 mg/kg	0.005	0,005	0.005	0.005	

^{*} water and vapor samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

[#] cluttered chromatogram; sample peak coelutes with surrogate peak

⁺ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation; a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

GROUNDWATER SAMPLING DATA

TIME (24 HR CLOCK)	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	pH .	TEMPERATURE	TURBIDITY
10:04	2.25	10.17	6.28	64.3	Clear
10:09	. 4.50	10.29	6.68	69.4	//
10:13	6.50	10.29	6.73	64.3	/1
100 A		No Sheen	er odor		
24 .					
		, •			
	TTOM OR CASING			WELL INSIDE DIAME	TER
TOTAL DEPTH TO BOTTOM 12	$\frac{2.20}{\text{WATER}} = \frac{\text{DEPTH TO}}{\text{WATER}}$	= <u>4.49</u> = \(H \) (0.163 = VOLUME (0	FT) <u>/3,2/</u> NG 2.15	VOLUME 2" = 0.163 FACTOR 3" = 0.367 V. F. = GAL/ FT 4" = 0:653	5" = 1.02
DATE (S) PL	JRGED 8/28	195	•	WELL DEWATERED	YES PNO
PURGE MET	HOD Disp.	tand buile		DATE SAMPLED	8/28/25
INITIAL DEPT	H TO WATER	4.49		TIME SAMPLED	
TOTAL VOLL	JME REMOVED (SAMPLING METHOD bailer			
CASING VOL	UMES REMOVED	WEIT IED AND IN CO.			
PURGE RATE	E (GPM)	PLIQUED / SAMPLED DV			
DEPTH TO	WATER AFTER R	ECOVERY 4.96	(FT) = 96	% RECOVERED P	PRIOR TO SAMPLING
NOTES		JOS NO.		W-7	
2 1		DWG NO. DRAWN CHKT	WELL PURG	ING AND SAMPLING I	FIELD DATA PLATE NO.
	-	APPO			

GROUNDWATER SAMPLING DATA VOLUME ELECTRICAL TIME CONDUCTIVITY REMOVED TEMPERATURE pН TURBIDITY (24 HR CLOCK) (µmhos/cm) (GAL) (º C) (NTU) 2,25 11:12 10.51. 6.73 67.1 Clear 4.50 11:17 10,00 65.5 6.78 11 6.25 11:22 9.46 65.0 11 Slight to ma sheen DEPTH TO BOTTOM OR CASING LENGTH WELL INSIDE DIAMETER TOTAL DEPTH 20,00 - DEPTH TO WATER 6.18 · AH (FT) /3.82 VOLUME 2" = 0.163 5" = 1.02 10" = 4.08 \triangle H (FT) <u>13.32</u> x (V.F.) = <u>0.163</u> WELL CASING (GAL) FACTOR 3" = 0.367 6" = 1.47 12" = 5.87 V. F. = GAL / FT 4" = 0:653 8" = 2.61 DATE (S) PURGED 9/23/95 WELL DEWATERED YES NO PURGE METHOD Disp Hard Carles DATE SAMPLED 28 INITIAL DEPTH TO WATER 6.18 TIME SAMPLED 2:05 TOTAL VOLUME REMOVED (GAL) 6.75 SAMPLING METHOD CASING VOLUMES REMOVED WEATHER CONDITIONS PURGE RATE (GPM) PURGED / SAMPLED BY DEPTH TO WATER AFTER RECOVERY 7.06 (FT) = 95 % RECOVERED PRIOR TO SAMPLING NOTES DATE MW-3 JOS NO. WELL PURGING AND SAMPLING FIELD DATA DWG NO. PLATE NO. DRAWN Glascock #3406 CHKD

APP'D

GROUNDWATER SAMPLING DATA ELECTRICAL VOLUME TIME REMOVED CONDUCTIVITY TEMPERATURE PH TURBIDITY (24 HR CLOCK) (GAL) (µmhos/cm) (°C) (NTU) 2.25 11:44 66.5 6.63 18,14 light 4.50 11:49 18.78 6.54 65.3 11 11:55 6.75 9.19 65.4 6,46 11 DEPTH TO BOTTOM OR CASING LENGTH WELL INSIDE DIAMETER TOTAL DEPTH 20.00 - DEPTH TO WATER 6.26 - AH (FT) VOLUME 2" = 0.163 5" = 1.02 Δ H (FT) 13.74 x (V.F.) = 0.163 = WELL CASING VOLUME (GAL) 10" = 4.08 FACTOR 3" = 0.367 6" = 1.47 12" = 5.87 V. F. = GAL / FT 4" = 0.653 8" = 2.61 DATE (S) PURGED 3/23/25 WELL DEWATERED PNO YES PURGE METHOD 8/23/95 Hand Barler DATE SAMPLED INITIAL DEPTH TO WATER 6.26 TIME SAMPLED 12:14 TOTAL VOLUME REMOVED (GAL) 6.75 SAMPLING METHOD barler CASING VOLUMES REMOVED WEATHER CONDITIONS Sun PURGE RATE (GPM) PURGED / SAMPLED BY DEPTH TO WATER AFTER RECOVERY 930 (FT) = B5 % RECOVERED PRIOR TO SAMPLING NOTES DATE JOB NO.

WELL PURGING AND SAMPLING FIELD DATA

#3406

PLATE NO.

DWG NO.

DRAWN

CHKTO

GROUNDWATER SAMPLING DATA VOLUME ELECTRICAL TIME CONDUCTIVITY REMOVED TEMPERATURE PH (24 HR CLOCK) TURBIDITY (GAL) (µmhos/cm) (° C) (NTU) 13:50 2.0 9.96 5.53 66.3 Lew 13:55 4.0 9.30. 65.5 5.86 11 13:58 6.0 8.78 5.94 65.6 51,444 Med to strang cheen detacted DEPTH TO BOTTOM OR CASING LENGTH WELL INSIDE DIAMETER TOTAL DEPTH /9.50' - DEPTH TO WATER B.06 • △H (FT) /1.44 VOLUME ΔH (FT) 11.44 x (V.F.) - 0.763 - WELL CASING VOLUME (GAL) 2" = 0.163 5" = 1.02 10" = 4.08 12" = 5.87 FACTOR 3" = 0.367 5" = 1.47 V. F. = GAL / FT 4" = 0.653 8" = 2.61 DATE(S) PURGED 3/28/95 WELL DEWATERED YES NO PURGE METHOD Oisp. Hard Barler DATE SAMPLED INITIAL DEPTH TO WATER 8.06 TIME SAMPLED 14:04 TOTAL VOLUME REMOVED (GAL) 6,0 SAMPLING METHOD CASING VOLUMES REMOVED WEATHER CONDITIONS S PURGE RATE (GPM) PURGED / SAMPLED BY DEPTH TO WATER AFTER RECOVERY (FT) =% RECOVERED PRIOR TO SAMPLING NOTES DATE MW-1 JOS NO. DWG NO. WELL PURGING AND SAMPLING FIELD DATA DRAWN Slascock #3406 CHKD APPTO

GROUNDWATER SAMPLING DATA

TIME (24 HR CLOCK)	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	рН .	TEMPERATURE	TURBIDITY
14:29	2.00	3.61	6.70	66.0	(NTU) Slight
14:33	.4.00	8.85	6.54	65.3	11
14:35	6.00	8.68	6.49	65:0	11
		•			
		**:			
		·			
		Slight oda	/		
		Unghi Can	no she		
		*			
					10 - 2
DEPTH TO BO	TTOM OR CASING			WELL INSIDE DIAMET	ER
TOTAL DEPTH 20	WATER TO	844 - AH ((FT) 11.56	VOLUME 2" = 0.163	5" = 1.02 10" = 4.08
ΔH (FT) //.	<u>56</u> x (V.F.) = 0	5./63 WELL CAS	ING /- 88	FACTOR 3" = 0.367 V. F. = GAL / FT 4" = 0:653	6" = 1.47 12" = 5.87 8" = 2.61
DATE(S) PU	RGED 8	128/95		WELL DEWATERED	YES PNO
PURGE METH	HOD DYD.		_	DATE SAMPLED	8/28/95
INITIAL DEPTH TO WATER 8.44				TIME SAMPLED	14:40
TOTAL VOLUME REMOVED (GAL)				SAMPLING METHOD	
	UMES REMOVED				backer
PURGE RATE				WEATHER CONDITION PURGED / SAMPLED	0 0
		COVERY 8.80	(FT) = 96	% RECOVERED P	· New
NOTES		DATE	111-10	W HEOOVEHED P	NION TO SAMPLING
		JOS NO.	Ma	1-5	= = 1
· v		DWG NO. DRAWN	WELL PURG	ING AND SAMPLING F	FIELD DATA PLATE NO.
3.85 S.	25	CHKD	Hase	och #3406	
		APPO		2 / 0.5	

GROUNDWATER SAMPLING DATA

TIME (24 HR CLOCK)	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (pmhos/cm)	PH.	TEMPERATURE	TURBIDITY (MU)	
15:05	2.00	11.17	6.48	63.9	Slight	
15:09	.4.00	11.29	6.38	63.5	7,,	
15:12	6,00	11.18	6.38	63.7	CI	
	·		1			
			ļ.,			
		Strong odor	of shee	7,	<u> </u>	
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					8	
	OTTOM OR CASING			WELL INSIDE DIAME	TER	
TOTAL DEPTH 2	WATER	=: <u>8,06</u> •△H (FT) 11.94	VOLUME 2" = 0.163	5" = 1.02 10" = 4.08	
ΔH (FT) 4	1-94 x (V.F.) =	0.763 - WELL CASH	NG 1.94.	FACTOR 3" = 0.367 V. F. = GAL/ FT 4" = 0:653		
DATE (S) P		128/85		WELL DEWATERED	YES NO	
PURGE MET	1100					
	TH TO WATER	Hard Bailer		DATE SAMPLED	8/28/95	
		8.06 GAL) 6		TIME SAMPLED	15:18	
	JME REMOVED (SAMPLING METHOD			
	LUMES REMOVED		WEATHER CONDITION	INS Sur/way		
PURGE RAT	E (GPM)			PURGED / SAMPLE	DBY R. Seels	
DEPTH TO WATER AFTER RECOVERY 1000 (FT) = 83 % RECOVERED PRIOR TO SAMPLIN						
NOTES		DATE		The state of the s		
		JOS NO.	ML			
		DWG NO.	WELL PURG	ING AND SAMPLING	FIELD DATA PLATE NO.	
		CHKD	6-1asc	sch #3406	4.	
		APPO	,			

	GRO	UNDWATER (SAMPLING	DATA	
TIME (24 HR CLOCK)	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	pH .	TEMPERATURE	TURBIDITY (NU)
15:40	2:00	6.52	6.73	66.4	Clear
15:43	4,00	6.52	6.73		11
15:46	6,00	5-57	6.72	65.0	Slight
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DEPTH TO BO	TTOM OR CASING			Twell male and	
TOTAL DEPTH 20				WELL INSIDE DIAMET	TER
TO BOTTOM ZE	WATER	7.38 - AH	(FT) 12.62	VOLUME 2" = 0.163 FACTOR 3" = 0.367	5" = 1.02 10" = 4.08
ΔH (FI) 12	62 x (V.F.) = (D-/CJ WELL CAS	GAL) 2.06	FACTOR 3" = 0.367 V. F. = GAL / FT 4" = 0.653	6" = 1,47 12" = 5,87 8" = 2,61
DATE(S) PL	JRGED 8/	28/95		WELL DEWATERED	YES MO
PURGE MET	LIOD O	Hand Bane		DATE SAMPLED	
INITIAL DEPT	H TO WATER	7.38		TIME SAMPLED	8/28/45
TOTAL VOLU	ME REMOVED ((2.3)			
	UMES REMOVED	SAMPLING METHOD	Builer		
		WEATHER CONDITIO	NS Sur hum		
PURGE RATE		PURGED / SAMPLED	BY R hast		
	VATER AFTER RI	ECOVERY 832	(FT) = 92	% RECOVERED P	RIOR TO SAMPLING
NOTES		DATE .			
		JOS NO.		1-4	
8 0		DWG NO. DRAWN	WELL PURG	ING AND SAMPLING F	FIELD DATA PLATE NO.
		CHKD	Clasco	ch #3406	~
		APPO			