REPORT



Superfunc	l Records Center
STIE: (o Francisco
BREAK:	4
	gap 1 dar
Ollibr:	

OCCURRENCE OF OIL AT EAST STREET AREA 2/ USEPA AREA 4 - FALL 1995

General Electric Company
Pittsfield, Massachusetts

January 1996



OCCURRENCE OF OIL AT EAST STREET AREA 2/ USEPA AREA 4 - FALL 1995

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

JANUARY 1996

BLASLAND, BOUCK & LEE, INC. 6723 TOWPATH ROAD, BOX 66 SYRACUSE, NEW YORK 13214-0066

OCCURRENCE OF OIL AT EAST STREET AREA 2/ USEPA AREA 4 - FALL 1995

TABLE OF CONTENTS

	<u>Page</u>
SECTION	1 - INTRODUCTION
SECTION	2 - METHODS AND PROTOCOLS
	3 - RESULTS OF THE FALL 1995 MONITORING EVENT 3-1 Water-Level Data 3-1 Oil Occurrence 3-3 3.2.1 North of the Railroad Tracks 3-3 3.2.2 Former Tank Farm Area 3-3 3.2.3 South of East Street 3-4 Oil Recovery 3-5
SECTION 4.1 4.2 4.3 4.4	4 - RIVERBANK STM EVALUATION 4-1 General
SECTION	5 - FINDINGS AND CONCLUSIONS
REFEREN TABLES	CES
Table 1 - Table 2 - Table 3 -	Summary of Oil and Groundwater Recovery Volumes - July 1995 through December 1995
FIGURES	
Figure 1 Figure 2 Figure 3 Figure 4 Figure 5 Figure 6	 Oil Plume Map - October 1995 Riverbank Area Riverbank Area Groundwater Elevation Contour Map - July 1995 Riverbank Area Groundwater Elevation Contour Map - August 1995 Riverbank Area Groundwater Elevation Contour Map - September 1995

OCCURRENCE OF OIL AT EAST STREET AREA 2/ USEPA AREA 4 - FALL 1995

TABLE OF CONTENTS

FIGURES (Cont'd)

Figure 8 - Riverbank Area Groundwater Elevation Contour Map - November

Figure 9 - Riverbank Area Groundwater Elevation Contour Map - December 1995

APPENDICES

Appendix A - Riverbank Groundwater Elevation and Oil Thickness Data

SECTION 1 - INTRODUCTION

This document presents a summary of activities and discussion of results of recent oil monitoring conducted at the General Electric Company's (GE's) Pittsfield, Massachusetts facility. Specifically, this document presents the Fall 1995 results associated with the on-going semi-annual monitoring program for the area designated as East Street Area 2/USEPA Area 4. These activities were performed on GE's behalf by Blasland, Bouck & Lee, Inc., for the purpose of defining the extent and thickness of floating oil in designated monitoring wells of this area, as well as associated groundwater flow patterns.

SECTION 2 - METHODS AND PROTOCOLS

On October 16 through 18, 1995, monitoring wells in East Street Area 2/USEPA Area 4 that had previously been selected for inclusion in the semi-annual oil monitoring program were bailed using methods and protocols described in the May 1994 "Sampling and Analysis Plan/Data Collection and Analysis Quality Assurance Plan" (SAP/DCAQAP) (Blasland, Bouck & Lee, May 1994). In order to obtain oil thickness data unaffected by prior occurrences, these wells were bailed one week prior to measurement to remove oil that may have previously accumulated in them.

On October 23 through 26, 1995 groundwater level and oil thickness measurements were obtained using an oil/water interface probe following methods and protocols described in the SAP/DCAQAP. In general, all wells monitored in October 1994 were also monitored in October 1995. The exceptions include wells M and HH (former Tank Farm Area) which were found to be obstructed or dry. In addition, well 10 (south of East Street) was found dry during the Fall 1994 monitoring event, but this well was monitored during the Fall 1995 event.

SECTION 3 - RESULTS OF THE FALL 1995 MONITORING EVENT

3.1 Water-Level Data

The October (Fall) 1995 water table, illustrated on Figure 1, is shown to be generally consistent with the Fall 1994 configuration (Blasland, Bouck & Lee, Inc., February 1995). Table 1 presents the well-specific water table measurements associated with the Fall 1995 monitoring event. Four distinct groundwater depression areas are shown in the vicinity of recovery caissons 64V and 64S, and at pumping wells RW-1(X) and RW-2(X), as these systems contain groundwater depression pumps used for active oil recovery. Groundwater from these four systems is pumped to the Building 64G groundwater treatment facility. After treatment, the majority of the water is discharged to the Housatonic River through NPDES permitted outfall 005. A portion of the treated water is discharged to the groundwater recharge pond in order to maintain a groundwater mound at this location, as part of the groundwater management strategy for this Since April 1988, the elevation of the groundwater recharge pond has been controlled via an "Electrogauge" bubbler system device. Between April 1988 and October 1990, the elevation of the recharge pond was held at an elevation of approximately 985 feet above mean sea level (MSL). In October 1990, the elevation of the recharge pond was reduced to 984 feet above MSL to maintain the required freeboard. In September 1994, the elevation of the pond was reduced again to 983 feet above MSL to decrease the size of the ground water mound. This mounding effect acts as a hydraulic barrier, reducing the possibility that oil would migrate south around the western edge of the slurry wall.

The corrected water table elevations (density corrected for the presence of oil) north of East Street averaged about 8 inches lower in October 1995 than

in October 1994. South of East Street, the average corrected water table elevations were 8 inches higher than those measured in October 1994.

In addition, the Fall 1995 corrected water table elevations were compared to the top of well screen elevations associated with each monitoring well included in this program. Water table elevations were found to be above the top of the well screen in well 13 (north of railroad tracks) and well P3 (south of East Street). Well 13 is not used for defining the plume boundary, and well P3 is located near the Recharge Pond, and its elevated water level is likely due to the pond's influence.

Corrected water table elevations were calculated from observed water level elevations (measuring point elevation minus depth to water level) plus the observed thickness of oil multiplied by its specific density (estimated at 0.93).

As a further note, the water level from well O-R was not incorporated into the groundwater contour map on Figure 1 because it is anomalously high compared to surrounding wells. This well, which was completed in a below-grade curb box, is located in an area that receives surface water drainage. This may cause the elevated readings or, alternatively, the well may be screened in perched groundwater. Either way, the groundwater elevation at this well does not appear to be representative of surrounding groundwater conditions. The measuring point elevation of this well was resurveyed on May 4, 1995 along with nearby wells UU-R, M, ES2-9, and ES2-10 to confirm associated groundwater elevations.

3.2 Oil Occurrence

Figure 2 illustrates the extent and thickness of oil in the wells of East Street Area 2/USEPA Area 4 monitored during October 1995, while Table 1 presents the well-specific oil thickness data associated with this monitoring event. For the purposes of discussion, the East Street Area 2/USEPA Area 4 Site is divided into three areas designated as follows: (1) the area north of the railroad tracks, north of East Street; (2) the former tank farm area, north of East Street; and (3) the area south of East Street. A summary of Fall 1995 oil occurrence at each of these areas is provided below.

3.2.1 North of the Railroad Tracks

The Fall 1995 configuration of the oil plume north of the railroad tracks is generally similar to that of the Fall 1994 monitoring event. However, oil was observed in well 16 at a thickness of 0.03 feet in October 1994, but 1.5 feet of oil was present in this well in October 1995. Also, 1.51 feet of oil was found in well 23 in October 1994, but 0.76 feet was present in this well in October 1995.

3.2.2 Former Tank Farm Area

The Fall 1995 oil plume configuration in this area is somewhat different when compared to that of the Fall 1994 monitoring event. This is primarily related to oil being observed in wells GG (0.17 feet) and N-R (0.16 feet) in October 1995, as opposed to no oil being found in these wells in October 1994. Also, oil was not observed in well KK in October 1995, whereas 0.02 feet of oil was observed in this well in October 1994. In addition, October 1995 oil thickness data detected in wells J, K, U, CC, NN, PP, and QQ showed an average decrease of 0.75 feet from the October 1994 data collected at these wells.

3.2.3 South of East Street

Observed oil thicknesses are generally similar to data collected during prior Fall monitoring events. However, upon comparison of the Fall 1995 and Fall 1994 oil thickness data for this area, several observations were Specifically, observations at wells 28, P3, and P4 indicated oil present at thicknesses of 0.15, 0.02, and 0.03 feet, respectively, in October 1995, but no oil was present in these wells in October 1994. In October 1994, observations at wells 5A, 9R, and 58 indicated the presence of 0.15, 0.42, and 0.09 feet of oil, respectively, while no oil was observed in these wells in October 1995. In addition, October 1995 oil thickness data detected in wells 2, 8, 13, 14, 15R, 22, 48, 55, 56 and 57 showed an average decrease of 0.54 feet from the October 1994 data collected at These changes in oil thickness and plume shape may be attributable to the differences in water table elevations observed between the monitoring events and/or small differences in oil occurrence at the fringes of the plume.

Several isolated occurrences of oil have been observed during recent monitoring events south of East Street. The isolated areas are at wells 50 and 8, and several wells south of Building 64. Although oil was not found in well 50 since the Spring 1994 monitoring event, it should be noted that well 50 is currently monitored on a weekly basis and any oil is removed if it is observed at a thickness of greater than 0.25 feet. As described in the MCP Supplemental Phase II Scope of Work and RCRA Facility Investigation for East Street Area 2/USEPA Area 4, additional monitoring wells will be installed south of East Street (although the precise locations are not known at this time) to further delineate the extent of these isolated oil occurrences and to evaluate potential recovery.

3.3 Oil Recovery

Table 2 presents a summary of oil and groundwater recovery volumes associated with the six oil recovery systems [64S, 64V, 64R, 64X, RW-1(X), and RW-2(X)] operating in East Street Area 2/USEPA Area 4 between July 1995 and December 1995. The recovery systems critical for plume containment (64S, 64V, RW-1(X)) and RW-2(X)) are continuously active, whereas non-critical caissons 64X and 64R are pumped intermittently. As shown in Table 2, a total of 36,276 gallons of oil were collected, and a total of approximately 26,700,000 gallons of groundwater were pumped and treated at the 64G groundwater treatment facility during this period. For comparative purposes, between January and June 1995, a total of 17,202 gallons of oil were recovered at the site. The increase in oil recovered in the second half of 1995 is primarily attributable to the increased recovery of oil in well 40R. A total of 21,358 gallons of oil were recovered from well 40R between July 1995 and December 1995.

Table 3 presents a summary of downtime associated with the active oil recovery operations for July through December 1995. An overall average downtime recorded for these systems was 3.2 percent.

SECTION 4 - RIVERBANK STM EVALUATION

4.1 General

This section presents an overview of the Short-Term Measure (STM) that is being implemented along the north bank of the Housatonic River in East Street Area 2/USEPA Area 4 and a discussion of the effectiveness of the oil-recovery and bank-seep prevention efforts conducted between July and December 1995.

The riverbank STM area, depicted on Figure 3, encompasses the area southeast of the recharge pond in the vicinity of the 64-X oil/water separator. A number of wells and piezometers are monitored in the riverbank area on a weekly basis, along with visual observations of the riverbank and absorbent booms adjacent to the riverbank by GE Environmental and Facilities personnel. Additionally, maintenance inspections and repairs (if needed) are made on the absorbent boom system between three and five times per week.

Groundwater elevations and oil thickness data (if oil was present) were obtained from the riverbank wells and piezometers on a weekly basis between July and December 1995. A summary table of these data is presented in Appendix A. The weekly monitoring of these wells and well points also includes the bailing of oil from well points WP-1 through WP-5 when the oil thickness observed is greater than 0.25 feet. Between July and December 1995, no oil was found in WP-2, WP-4, or WP-5. During this timeframe, oil was found in WP-1 (thicknesses between 0.01 and 0.40 feet) and WP-3 (thicknesses between 0.01 and 0.38 feet). A total of 0.24 gallons of oil were removed from these two well points during this timeframe. In addition, 0.73 gallons of oil were removed from piezometers PZ-1S and PZ-6S between July 1995 and December 1995.

4.2 Recovery Wells

Recovery wells RW-1(X) and RW-2(X) are the focus of the groundwater depression and gradient control efforts in the riverbank STM area. Well RW-1(X) was pumped at a maximum rate of approximately 30 to 35 gallons per minute (gpm) during this monitoring period. It has separate groundwater-depression and oil-removal pumps; the oil pump was installed in November 1993 in response to an increase of accumulated oil within the well. Well RW-2(X) was installed during the last week of October 1993 and began pumping water on November 12, 1993. The depression level in the well was set at about 17.5 feet below the top-of-casing (although this setting was lowered in July 1994), and the maximum pumping rate is approximately 10 to 15 gpm. An oil-removal pump has not been installed in RW-2(X), since oil has not yet accumulated in the well. In addition to these recovery wells, the 64X(W) caisson is also pumped during low water-table conditions to remove any oil which migrates into the subsurface collection trench located between the 64X(W) and 64X(S) caissons. A total of 1,241 gallons of oil were removed from RW-1(X) and the 64X system between July and December 1995.

Figures 4 through 9 illustrate the groundwater contours in the vicinity of the RW-1(X) and RW-2(X) pumping wells for the months of July through December 1995. As illustrated in the figures, the cones of depression at wells RW-1(X) and RW-2(X) are typically about 4 to 6 feet in depth, and the combined hydraulic influence of these two recovery wells extends for approximately 200 feet along the riverbank.

4.3 Summary of Riverbank Inspections

Twenty-one riverbank inspections were performed by GE personnel between July and December 1995 in the riverbank STM area. The boomed area along the riverbank is divided into two general zones to facilitate spatial observations

of any observed seeps as illustrated on Figure 3. Zone one is generally under the pumping influence of RW-1(X), while zone two is under the influence of RW-2(X). The results of these inspections are summarized below:

- On two occasions, active oil seeps from the riverbank were observed along Zone 2 downstream of well point WP-5; and
- On two occasions near WP-5, sheens were observed close to the riverbank, but it could not be determined whether an oil seep was occurring in these instances.

In all cases, the sheens resulting from the bank seeps were contained by the boom system.

4.4 STM Assessment

Since the commencement of pumping at well RW-2(X), a significant decrease in riverbank seep occurrences has been observed in Zone 2. While seeps were observed in Zone 2 on two occasions during the second half of 1995, a significant decrease in both the number and extent of seeps in this zone has been observed by GE personnel in comparison to inspections performed prior to the installation and start-up of well RW-2(X).

As demonstrated by Figures 4 through 9, pumping of RW-1(X) and RW-2(X) has been successful in consistently developing overlapping cones of influence which extend 200 feet along the riverbank. The pumping has also locally reversed the groundwater flow direction along the riverbank so that flow is primarily toward the recovery wells rather than the river. The appearance of occasional seeps along the riverbank may be attributable to the physical contact of river water and riverbank soil, regardless of groundwater gradient. Alternatively, the occasional seeps may be caused by short-lived instances of groundwater flow towards the river resulting from relatively rapid decreases in river stage in comparison to ground water level. However, the frequency of

occasional seeps has significanltly diminished as compared to previous reporting events.

1/26/96 14951383B

SECTION 5 - FINDINGS AND CONCLUSIONS

- The average Fall 1995 corrected water table elevations north of East Street and south of East Street were about 8 inches lower and 8 inches higher, respectively, than those recorded in Fall 1994.
- General site groundwater flow patterns are similar to those monitored in the Fall 1994 event.
- 3. Slight variations have been noted in the Fall 1995 oil plume configuration which appears to be primarily due to the natural fluctuation in the groundwater depth.
- 4. A total of 36,276 gallons of oil were recovered at the site and approximately 26,700,000 gallons of groundwater were treated at the 64G groundwater treatment facility between July and December 1995. The volume of oil recovered is approximately 20,800 gallons more than the oil recovered between July and December 1994. Most of this increase is a result of added recovery at monitoring well 40R.
- 5. Groundwater pumping from recovery wells RW-1(X) and RW-2(X) produces two overlapping cones of influence that provide hydraulic control near the riverbank and locally reverse the natural groundwater gradients. These riverbank STM activities have apparently been effective in controlling and reducing the bankseeps of oil into the boomed area of the Housatonic River. The operation of well RW-1(X) has mitigated the seeps in Zone one, while the operation of well RW-2(X) has substantially mitigated the seeps in Zone 2.

6. Based on a review of GE records and verbal reports, GE routinely performed monitoring, maintenance, and trouble-shooting activities in compliance with the Massachusetts Department of Environmental Protection's requirements. GE inspected and operated the oil-recovery systems in East Street Area 2/USEPA Area 4 and routinely determined if the systems were operating properly. Repairs were completed as soon as possible, with subcontractors providing assistance when necessary.

References

<u>REFERENCES</u>

- Blasłand, Bouck & Lee, Inc., <u>Sampling and Analysis Plan/Data Collection and Analysis Quality Assurance Plan</u> (Syracuse, NY: May 1994).
- Blasland, Bouck & Lee, Inc., <u>Occurrence of Oil at East Street Area 2/USEPA</u>

 <u>Area 4 Fall 1994</u> (Syracuse, NY: February 1995).
- Blasland, Bouck & Lee, Inc., MCP Supplemental Phase II Scope of Work and Proposal for RCRA Facility Investigation East Street Area 2/USEPA Area 4 (Syracuse, NY: August 1994).

Tables

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

				.,	FALL 1995	FALL 1994		
]					CORRECTED	CORRECTED	f.i	
l i	MEASURING	# 5			WATER	WATER	CHANGE	COMMENTS
i i	POINT				TABLE	TABLE	IN WATER	
i i	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
l	(feet above mean	TO WATER	TO OIL	THICKNESS	(feet above mea	(feet above mean	ELEVATION	
WELL ID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	······································
NORTH OF	RAILROAD TRACH	(S						
1	1023.22							Cover could not be removed
2	1015.56	10.43			1005.13	1003.89	1.24	Well cap is missing
4	1010.15							Well was not found
5	1009.23	24.82			984.41	984.54	-0.13	Well cap is missing
. 6	1010.83	33.34			977.49	978.24	-0.75	
9	1011.01	29.63			981.38	982.41	-1.03	
11	1010.85	35.01	34.71	0.30	976.12	977.68	-1.56	Well cap is missing
13*	1019.50	13.53			1005.97	1004.93	1.04	
14	1010.53	29.77	24.57	5.20	985.60	985.22	0.38	,
16	1010.65	36.02	34.52	1.50	976.03	977.35	-1.33	
17	1010.49	34.65	34.59	0.06	975.90	977.45	-1.55	
19	1010.68	35.03	34.43	0.60	976.21	977.73	-1.52	Well cap is missing
20	1010.66	31.27			979.39	980.14	-0.75	
21	1010.81	31.89			978.92	979.11	-0.19	
22	1010.64	34.66			975.98	977.33	-1.35	
23	1011.13	36.69	35.93	0.76	975.15	977.71	-2.56	
24	1010.50	34.27	34.20	0.07	976.30	978.07	-1.77	
27	1010.40	26.82			983.58	984.95	-1.37	Curb box and well cover missing
31	1012.08	13.07			999.01	998.16	0.85	Substitute for Well # C2 - Curb box cover missing
C2								Obstructed - filled with sand

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

	A 1				FALL 1995	FALL 1994		
					CORRECTED	CORRECTED	F 7 <u>2</u> (3.4.2)	
	MEASURING	1 5		- 1 2	WATER	WATER	CHANGE	COMMENTS
	POINT	in the second			TABLE	TABLE	IN WATER	
	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
	(feet above mean		TO OIL		(feet above mea	(feet above mean	ELEVATION	
WELL ID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	
FORMER T	TANK FARM AREA							
l l	997.79							Well is paved over
j	997.64	22.45	22.10	0.35	975.52	976.33	-0.81	
К	995.82	22.70	20.21	2.49	975.44	976.63	-1.19	
М	993.14					975.81		Curb box and PVC pipe bent - well obstructed at 7.44'
R	1002.88	27.53	27.46	0.07	975.42	976.26	-0.84	
U	998.89	23.85	23.73	0.12	975.15	976.09	-0.94	Well casing filled with sediment
Y	1002.86	27.51			975.35	976.36	-1.01	
CC	998.84	23.00	22.98	0.02	975.86	977.25	-1.39	
EE	1004.27	26.88			977.39	977.97	-0.58	
FF	1005.70	26.40			979.30	979.54	-0.24	
GG	1007.40	26.52	26.35	0.17	981.04	980.99	0.05	
HH	1006.93				****	977.18		Well cap is missing - well found to be dry at 30.84'
- 11	1007.26	31.33			975.93	977.12	-1.19	
JJ	1006.38	30.68			975.70	976.85	-1.15	
KK	1006.61	31.01			975.60	976.67	-1.07	No well casing
LL	996.25	15.80			980.45	981.05	-0.60	
MM	994.00	13.96			980.04	980.04	0.00	Well cap is missing
NN	994.27	18.29	18.22	0.07	976.05	976.49	-0.44	Well casing is broken - filled with sediment
00	995.65	19.60			976.05	976.71	-0.66	Well cap is missing
PP	995.77	20.27	19.97	0.30	975.78	976.68	-0.90	
QQ	996.16	22.50	20.40	2.10	975.61	976.70	-1.09	
UU-R	998.60	20.32			978.28	974.38	3.90	
N-R	1008.24	32.86	32.70	0.16	975.53	976.65	-1.12	
O-R	1000.42	19.14			981.28	983.05	-1.77	well casing is filled with sediment

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

		1			FALL 1995	FALL 1994	1. 5	
					CORRECTED	CORRECTED		
l	MEASURING				WATER	WATER	CHANGE	COMMENTS
]	POINT				TABLE	TABLE	IN WATER	
	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
• !	(feet above mean	TO WATER	TO OIL	THICKNESS	(feet above mea	(feet above mean	ELEVATION	
WELL ID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	
SOUTH OF	EAST STREET						··	
1R	992.72	13.16			979.56	974.49	5.07	
2	994.09	22.21	20.41	1.80	973.55	973.97	-0.42	Well cap is missing
5A	994.05	21.14			972.91	973.22	-0.31	
6	991.18	16.95			974.23	973.90	0.33	
8	985.35	11.90	11.65	0.25	973.68	973.37	0.31	
9R	986.88	13.15			973.73	972.86	0.87	,
10	987.95	14.57			973.38			Well cap is missing
11R	988.86	14.67			974.19	972.53	1.66	
12	990.37			<u> </u>	 .			Obstructed - filled with sand
13	990.88	17.84	17.43	0.41	973.42	972.42	1.00	Steel plug used for well cap
14	991.61	18.92	18.11	0.81	973.44	972.82	0.62	PVC cap connection loose
15R	989.23	16.20	15.56	0.64	973.63	972.57	1.06	
16R	987.10	11.70			975.40	974.22	1.18	Curb box is missing
17R	984.89	11.20			973.69	972.70	0.99	PVC riser and cap are broken
18	983.33							Well was not found
19	983.59	10.10			973.49	971.78	1.71	Steel plug used for well cap
21	983.82	10.24			973.58	972.16	1.42	
22	994.69	19.87	19.74	0.13	974.94	975.36	-0.42	
25	992.48	18.35			974.13	975.90	-1.77	
26	993.59	14.56			979.03	979.62	-0.59	
27	993.80	15.98			977.82	978.91	-1.09	Well cap is missing
28	991.86	19.92	19.77	0.15	972.08	974.80	-2.72	
29	991.59	19.87	19.12	0.75	972.42	972.14	0.28	
30	989.34							Well was not found

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

					FALL 1995	FALL 1994		
! !					CORRECTED	CORRECTED		
Ia arti I	MEASURING				WATER	WATER	CHANGE	COMMENTS
	POINT				TABLE	TABLE	IN WATER	O MINICITIO
i i	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
I I	(feet above mean	TO WATER	TO OIL		(feet above mea	(feet above mean	ELEVATION	
WELL ID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	
	EAST STREET	(1001)	1.007	1			(1001)	
31	990.60	14.97			975.63	975.24	0.39	
32	990.81	12.56			978.25	976.92	1.33	Well cap is missing
34	982.54	8.71			973.83	973.53	0.30	
35	982.81	9.22			973.59	973.55	0.04	
36	983.02	8.98			974.04	973.11	0.93	
37	980.37	6.39			973.98	973.30	0.68	
38	980.77	5.57			975.20	974.05	1.15	
39	983.89	9.17			974.72	974.45	0.27	
40R	991.60							Autoskimmer in well - no measurements obtained
42	988.33	13.93			974.40	973.40	1.00	
43	989.67	14.96		i	974.71	973.80	0.91	
44	988.33	13.89			974.44	973.90	0.54	Well cap is missing
48	992.39	22.00	19.50	2.50	972.72	971.99	0.73	
49R	988.71	15.58			973.13	972.14	0.99	
49RR	989.80	17.20			972.60	972.06	0.54	Well cap is missing
50	985.79	11.59			974.20	974.10	0.10	Rubber plug used for well cap
51	985.38	11.70			973.68	972.57	1.11	Steel lockable cap - no lock
52	985.18	11.57			973.61	972.29	1.32	Steel lockable cap - no lock
53	986.90	13.25			973.65	971.99	1.66	
54	985.78	12.59		<u> </u>	973.19	971.56	1.63	
55	989.45	17.50	16.30	1.20	973.07	971.90	1.17	
56	987.28	17.08	16.60	0.48	970.65	970.02	0.63	
57	989.80	15.60	14.92	0.68	974.83	974.89	-0.06	Well cap is missing
58	985.79	12.61			973.18	971.75	1.43	

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

SUMMARY OF WATER TABLE AND OIL THICKNESS DATA - FALL 1995

	1				FALL 1995	FALL 1994		
				and the second second	CORRECTED	CORRECTED		
	MEASURING				WATER	WATER	CHANGE	COMMENTS
	POINT				TABLE	TABLE	IN WATER	COMMENTO
	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
		TO WATER	TO OIL			(feet above mean	ELEVATION	
WELL ID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	
	EAST STREET	1.557				god koron	(1001)	
59	986.32	15.46			970.86	970.03	0.83	
60	996.15	23.06			973.09	973.47	-0.38	
61	992.31	19.65			972.66	972.57	0.09	
62	979.11	5.35			973.76	971.82	1.94	
63	986.48	12.81			973.67	971.46	2.21	
64	985.00	11.09			973.91	971.82	2.09	
65	992.50	15.68			976.82	976.34	0.48	
66	990.70	17.75			972.95	972.30	0.65	
P1	988.75							Well casing and cement is loose - well found to be dry at 12.15'
P2	988.22					988.22		Well cap is missing - well found to be dry at 13.63'
P3*	989.25	5.29	5.27	0.02	983.98	984.10	-0.12	
P3D	988.54	12.98			975.56	976.10	-0.54	
P4	987.16	4.45	4.42	0.03	982.74	982.89	-0.15	Sand drain has mostly eroded
P5	985.64	5.22			980.42	982.10	-1.68	Well cap is missing
P6	985.71	9.47			976.24	975.89	0.35	
P7	989.10							Well found to be dry at 13.93'
ES2-2A	979.54	4.95			974.59	971.73	2.86	
ES2-4	983.84	9.75			974.09	972.15	1.94	
ES2-5	990.65	16.73			973.92	972.76	1.16	
ES2-8	994.87	21.45			973.42	972.47	0.95	
ES2-9_	991.33	14.17			977.16	977.29	-0.13	
ES2-10	991.60	14.84			976.76	976.42	0.34	
ES2-11	985.05	11.82			973.23	972.83	0.40	
ES2-12	984.41	10.50			973.91	972.03	1.88	Curb box was found filled with sediment

TABLE 1

EAST STREET AREA 2/USEPA AREA 4

SUMMARY OF WATER TABLE AND OIL THICKNESS DATA - FALL 1995

					FALL 1995 CORRECTED	FALL 1994 CORRECTED		
	MEASURING				WATER	WATER	CHANGE	COMMENTS
	POINT :::				TABLE	TABLE	IN WATER	
	ELEVATION	DEPTH	DEPTH	OIL	ELEVATION	ELEVATION	TABLE	
	(feet above mean	TO WATER	TO OIL	THICKNESS	(feet above mea	(feet above mean	ELEVATION	
WELLID	sea level)	(feet)	(feet)	(feet)	sea level)	sea level)	(feet)	
RECOVER'	Y CAISSONS							
64R	993.37	16.35			977.02	977.20	-0.18	
64\$	984.48	11.79	11.59	0.20	972.88	972.82	0.06	
64\$2		7.25						
64V	987.29	23.16	23.01	0.15	964.27	964.95	-0.68	Scavenger pump in operation when monitored
64X (N)	984.83	11.25	11.23	0.02	973.60	971.52	2.08	
64X (S)	981.56	8.40	8.38	0.02	973.18	971.27	1.91	
64X (W)	984.87	11.78	11.70	0.08	973.16	971.26	1.90	
C60	979.62	2.78			972.93	972.93	-1.15	
EASTERN		20.81		<u>-</u>				

- 1. All wells were bailed by Blasland, Bouck & Lee, Inc., during October 16 through 18, 1995.
- 2. Measuring point elevations developed by Geraghty & Miller, Inc., Albany, New York as part of previous monitoring events.
- 3. 1995 water table and oil thickness measurements were obtained by Blasland, Bouck & Lee, Inc. on October 23 through 26, 1995.
- 4. 1995 water table elevations for wells containing oil were computed as follows:

 Corrected Water Table Elevation = Measuring Point Elevation Depth to Water + (Oil Thickness x Specific Density of Oil). Specific density of oil estimated at 0.93.
- 5. Fall 1994 corrected water table elevations were measured by Blasland, Bouck & Lee, Inc., during October 1994. The values have been adjusted to account for oil presence as indicated above.
- 6. * = Water table elevation was greater than the top of the well screen elevation.

TABLE 2

EAST STREET AREA 2/USEPA AREA 4

SUMMARY OF ACTIVE OIL AND GROUNDWATER RECOVERY VOLUMES (GALLONS) -JULY 1995 TO DECEMBER 1995

	84S	640		64R		RW-1(X)		RW-2(X)		64X	
OIL	WATER	OL	WATER	OIL	WATER	OIL	WATER	OIL	WATER	OIL	WATER
0	142,000	1,790	985,800	O	Pump Off	107*	1,639,500	0	326,800	107*	806,400
240	64,600	2,588	1,161,400	0	44,700	466*	2,234,800	0	360,600	466*	1,008,000
0	1,000	2,973	893,200	0	10,000	191*	1,767,300	0	484,600	191*	577,600
743	119,200	1,733	989,300	0	80,800	417*	1,836,900	0	304,400	417*	835,200
780	668,900	1,799	1,429,300	0	106,200	0*	2,185,900	0	459,500	0*	979,200
500	335,000	531	1,115,100	0	65,900	60*	1,669,000	0	196,900	60*	806,400
2,263	1,330,700	11,414	6,574,100	0	307,600	1,241*	11,333,400	0	2,132,800	1,241*	5,012,800
	0 240 0 743 780 500	0 142,000 240 64,600 0 1,000 743 119,200 780 668,900 500 335,000	OIL WATER OIL 0 142,000 1,790 240 64,600 2,588 0 1,000 2,973 743 119,200 1,733 780 668,900 1,799 500 335,000 531	OIL WATER OIL WATER 0 142,000 1,790 985,800 240 64,600 2,588 1,161,400 0 1,000 2,973 893,200 743 119,200 1,733 989,300 780 668,900 1,799 1,429,300 500 335,000 531 1,115,100	OIL WATER OIL WATER OIL 0 142,000 1,790 985,800 0 240 64,600 2,588 1,161,400 0 0 1,000 2,973 893,200 0 743 119,200 1,733 989,300 0 780 668,900 1,799 1,429,300 0 500 335,000 531 1,115,100 0	OIL WATER OIL WATER OIL WATER 0 142,000 1,790 985,800 0 Pump Off 240 64,600 2,588 1,161,400 0 44,700 0 1,000 2,973 893,200 0 10,000 743 119,200 1,733 989,300 0 80,800 780 668,900 1,799 1,429,300 0 106,200 500 335,000 531 1,115,100 0 65,900	OIL WATER OIL WATER OIL WATER OIL 0 142,000 1,790 985,800 0 Pump Off 107" 240 64,600 2,588 1,161,400 0 44,700 466* 0 1,000 2,973 893,200 0 10,000 191* 743 119,200 1,733 989,300 0 80,800 417* 780 668,900 1,799 1,429,300 0 106,200 0* 500 335,000 531 1,115,100 0 65,900 60*	OIL WATER OIL WATER OIL WATER OIL WATER 0 142,000 1,790 985,800 0 Pump Off 107* 1,639,500 240 64,600 2,588 1,161,400 0 44,700 466* 2,234,800 0 1,000 2,973 893,200 0 10,000 191* 1,767,300 743 119,200 1,733 989,300 0 80,800 417* 1,836,900 780 668,900 1,799 1,429,300 0 106,200 0* 2,185,900 500 335,000 531 1,115,100 0 65,900 60* 1,669,000	OIL WATER OIL WATER OIL WATER OIL WATER OIL WATER OIL 0 142,000 1,790 985,800 0 Pump Off 107" 1,639,500 0 240 64,600 2,588 1,161,400 0 44,700 466* 2,234,800 0 0 1,000 2,973 893,200 0 10,000 191* 1,767,300 0 743 119,200 1,733 989,300 0 80,800 417* 1,836,900 0 780 668,900 1,799 1,429,300 0 106,200 0* 2,185,900 0 500 335,000 531 1,115,100 0 65,900 60* 1,669,000 0	OIL WATER OIL WATER OIL WATER OIL WATER OIL WATER 0 142,000 1,790 985,800 0 Pump Off 107" 1,639,500 0 326,800 240 64,600 2,588 1,161,400 0 44,700 466* 2,234,800 0 360,600 0 1,000 2,973 893,200 0 10,000 191* 1,767,300 0 484,600 743 119,200 1,733 989,300 0 80,800 417* 1,836,900 0 304,400 780 668,900 1,799 1,429,300 0 106,200 0* 2,185,900 0 459,500 500 335,000 531 1,115,100 0 65,900 60* 1,669,000 0 196,900	OIL WATER OIL 0 142,000 1,790 985,800 0 Pump Off 107* 1,639,500 0 326,800 107* 240 64,600 2,588 1,161,400 0 44,700 466* 2,234,800 0 360,600 466* 0 1,000 2,973 893,200 0 10,000 191* 1,767,300 0 484,600 191* 743 119,200 1,733 989,300 0 80,800 417* 1,836,900 0 304,400 417* 780 668,900 1,799 1,429,300 0 106,200 0* 2,185,900 0 459,500 0* 500 335,000 531 1,115,100 0 65,900 60* 1,669,000 0 196,900 60*

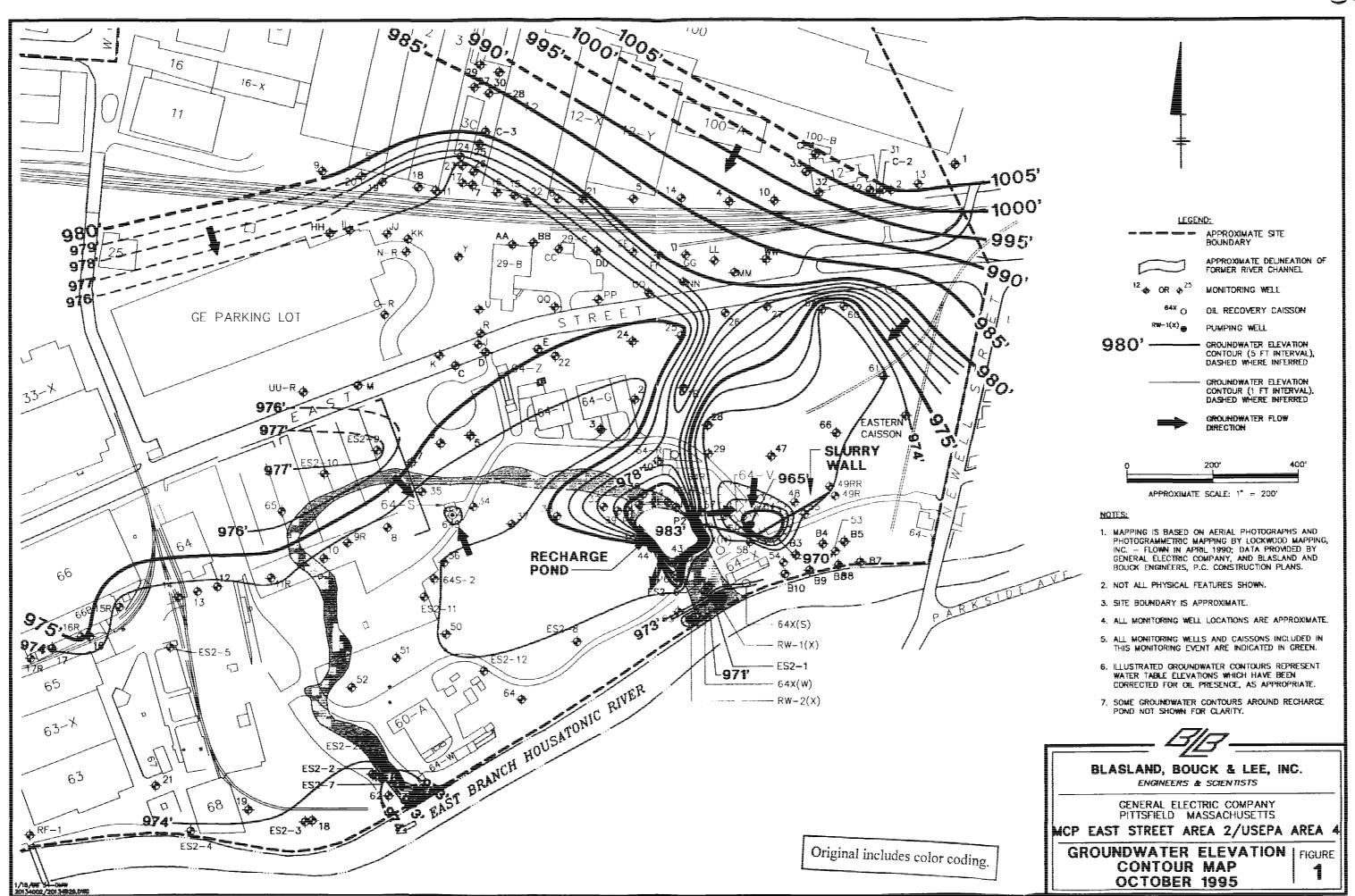
- 1. Data were compiled by GE.
- E Estimated water volume based on 10 gpm.
 * Oil collection is combination of RW-1(X) and 64X systems.
- 4. ** Total volume of oil collected includes an additional 21,358 gallons of oil collected from well 40R as part of additional oil recovery operations.

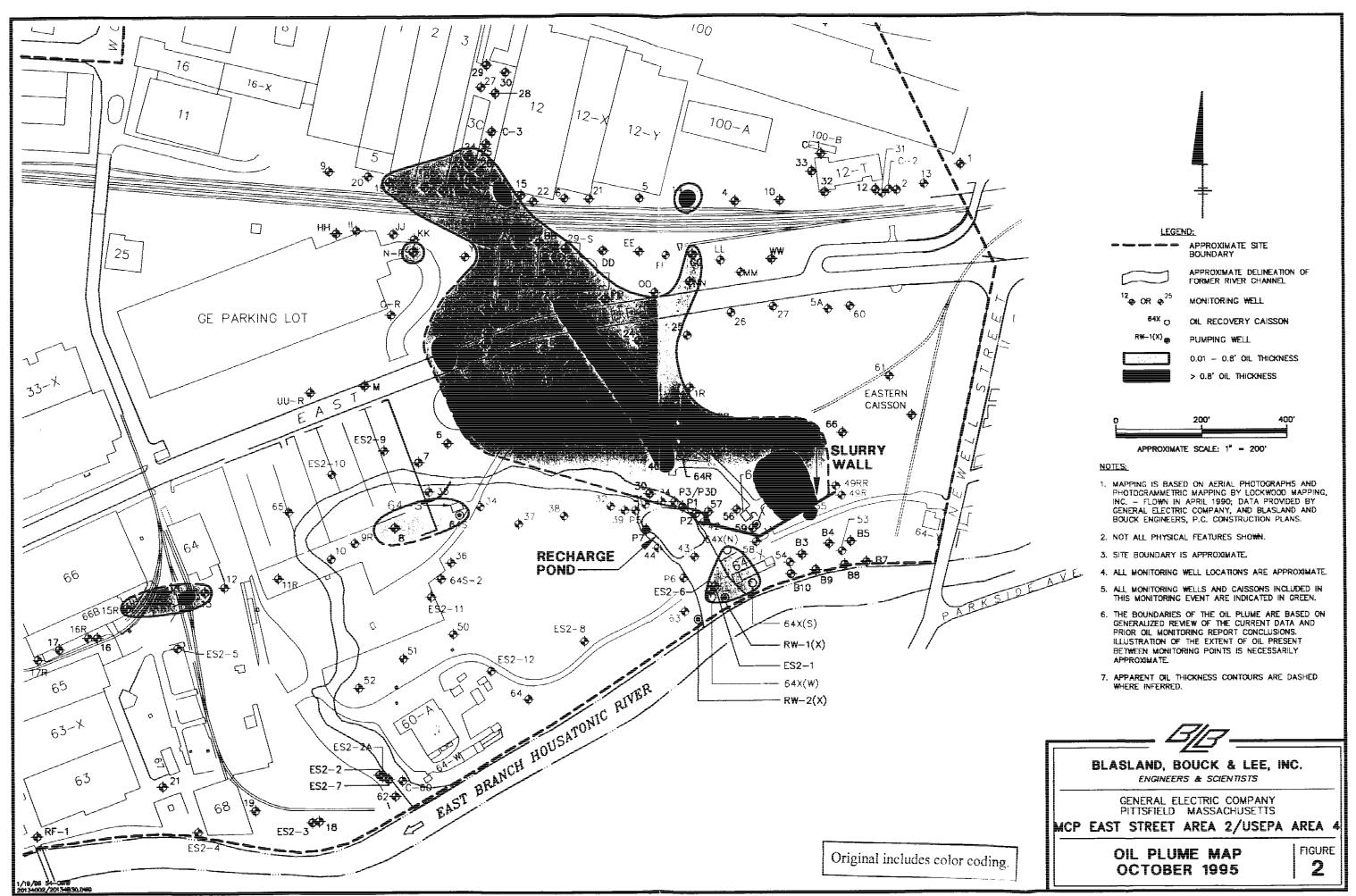
TABLE 3 EAST STREET AREA 2/USEPA AREA 4

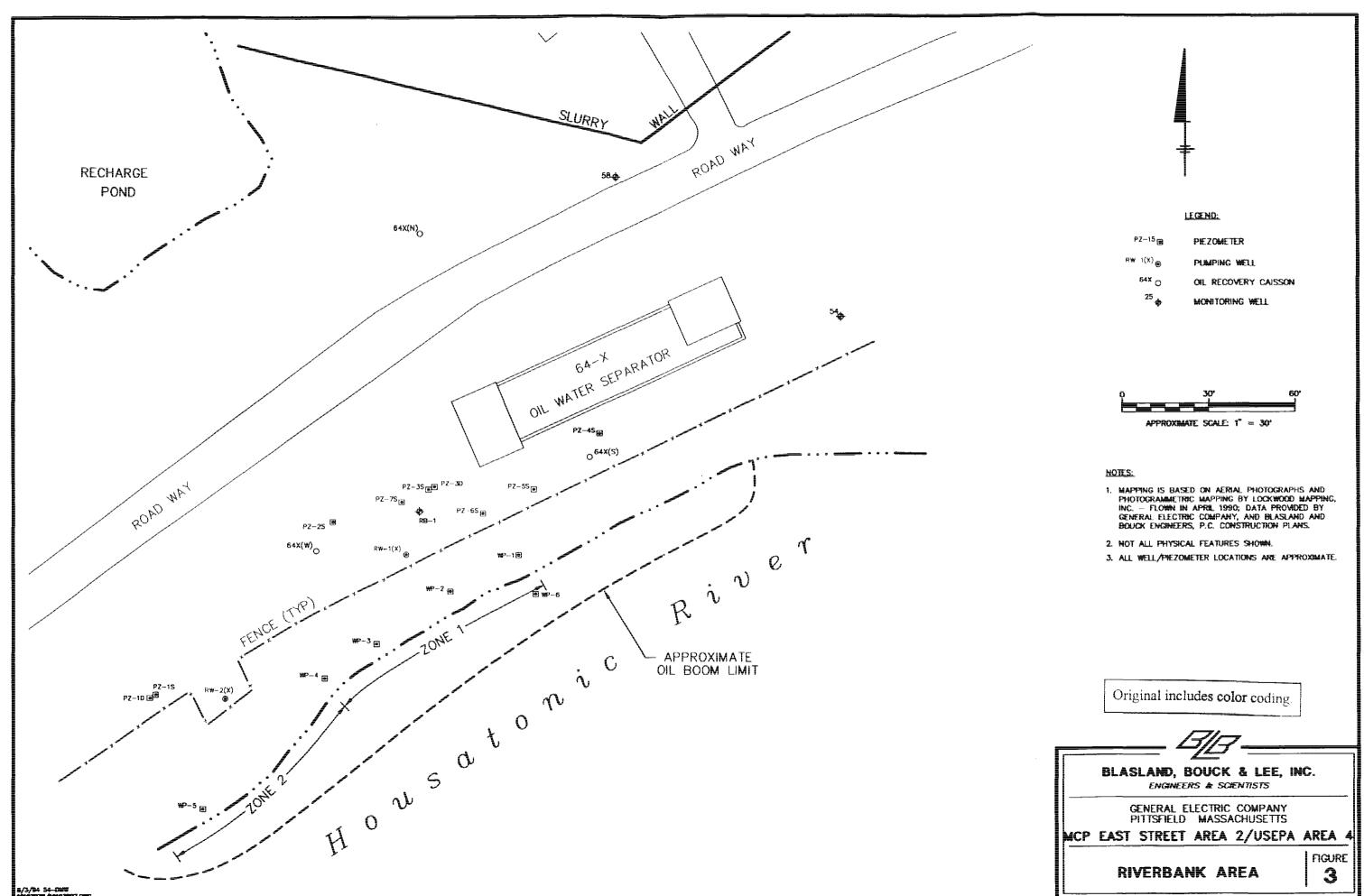
SUMMARY OF DOWNTIME (PERCENT) FOR ACTIVE OIL RECOVERY SYSTEMS - JULY 1995 TO DECEMBER 1995

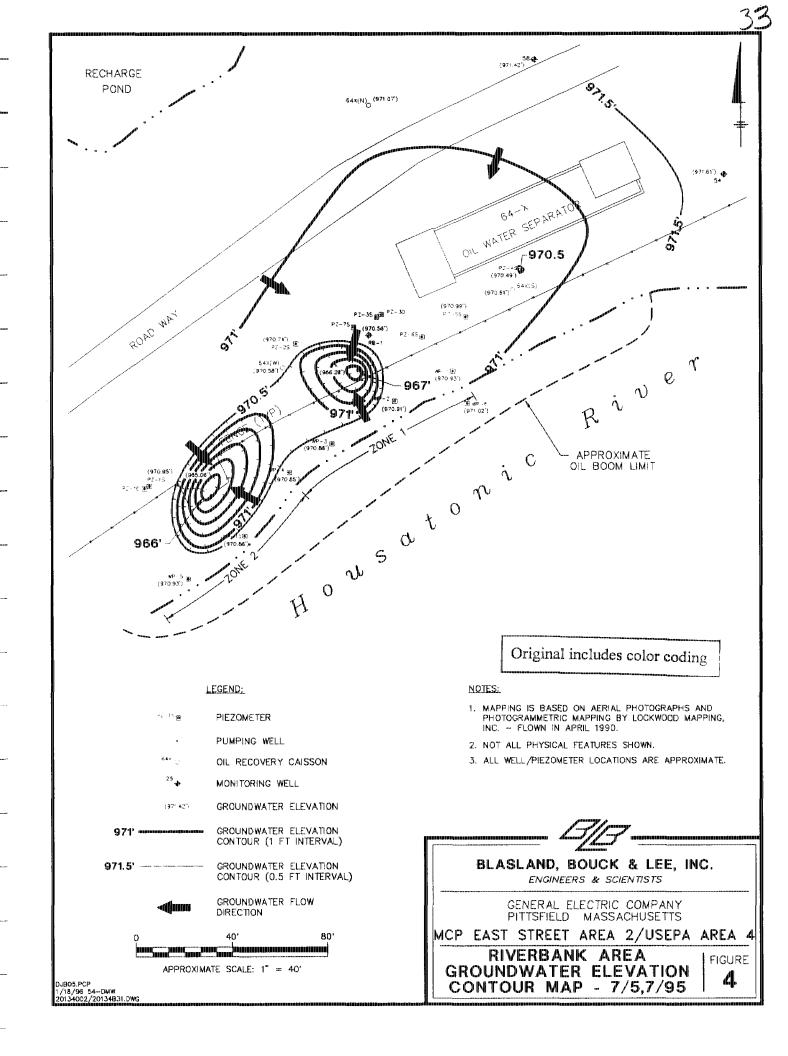
MONTH (1995)	64S	64R	64V	64X	RW-1(X)	RW-2(X)
July 1995	1.7	100	1.7	0.3	0.3	0
August 1995	0	0	0	О	0	Ö
September 1995	0	0	0	0	0	0
October 1995	0.14	0.14	0.14	0.14	0.14	1.5
November 1995	5.3	0	0	0	0	0
December 1995	0.6	0.6	0.6	0.6	0.6	0.6
Average Downtime:	1.3	16.8	0.4	0.2	0.2	0.4

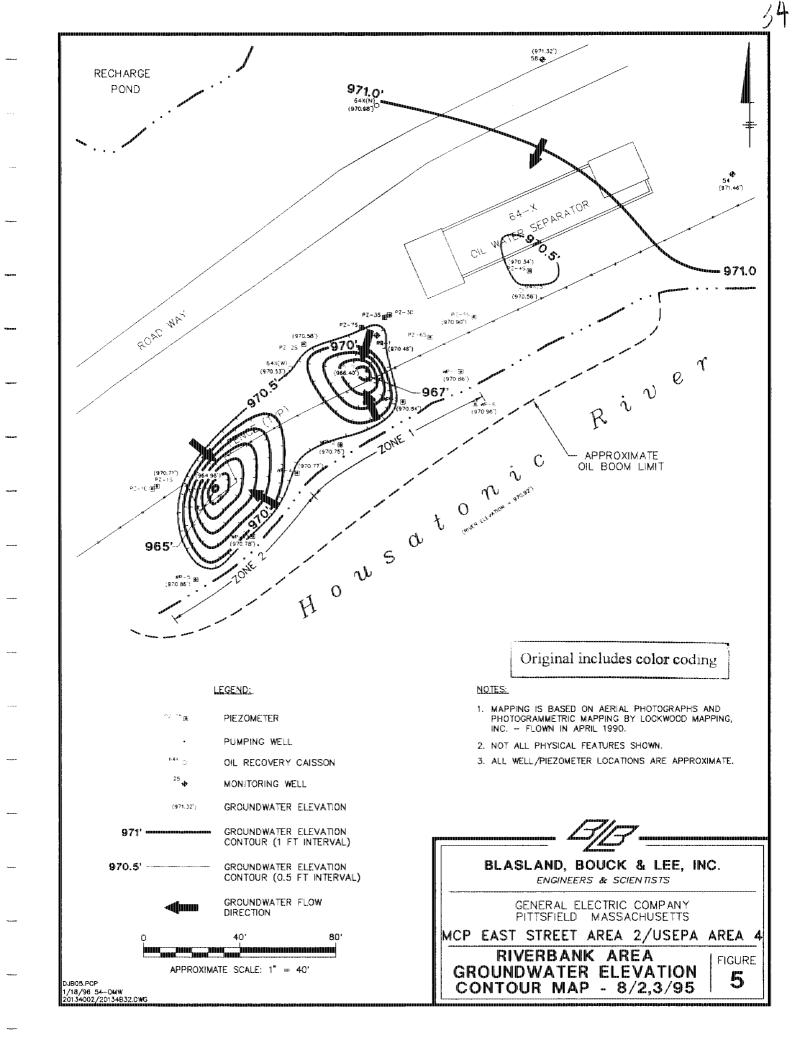
- 1. Data were compiled by GE.
- 2. Downtime defined as time at which system was inoperative due to equipment failure, alarm conditions, or power failure.

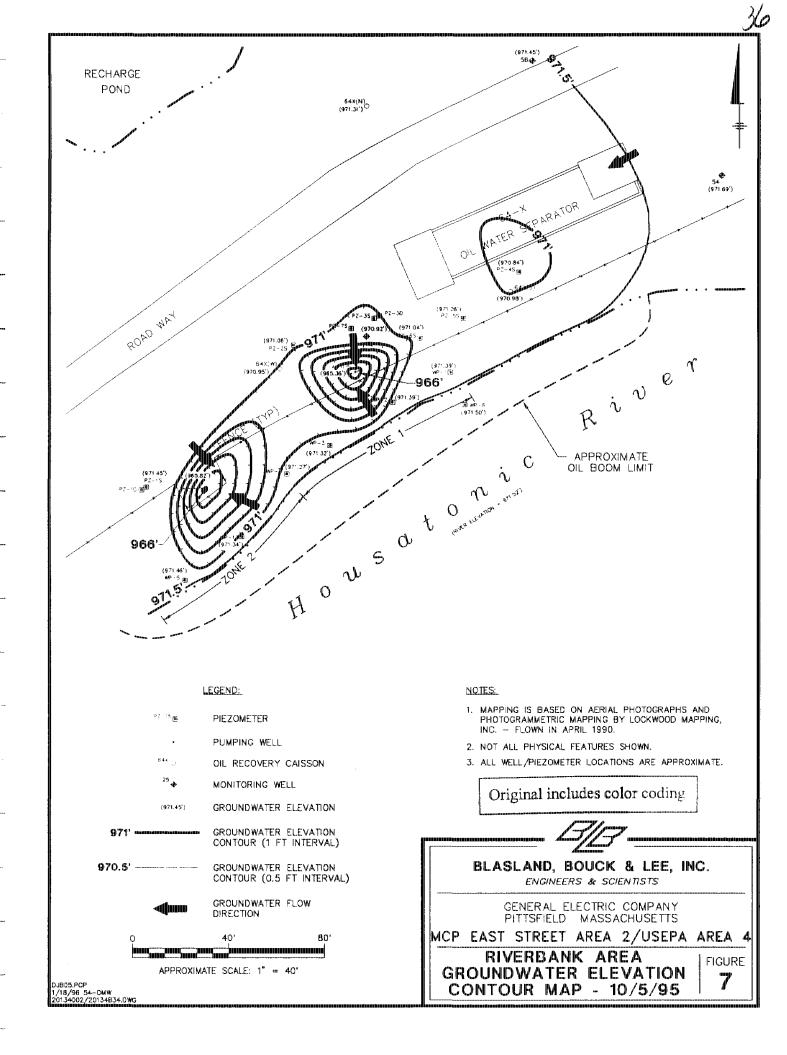


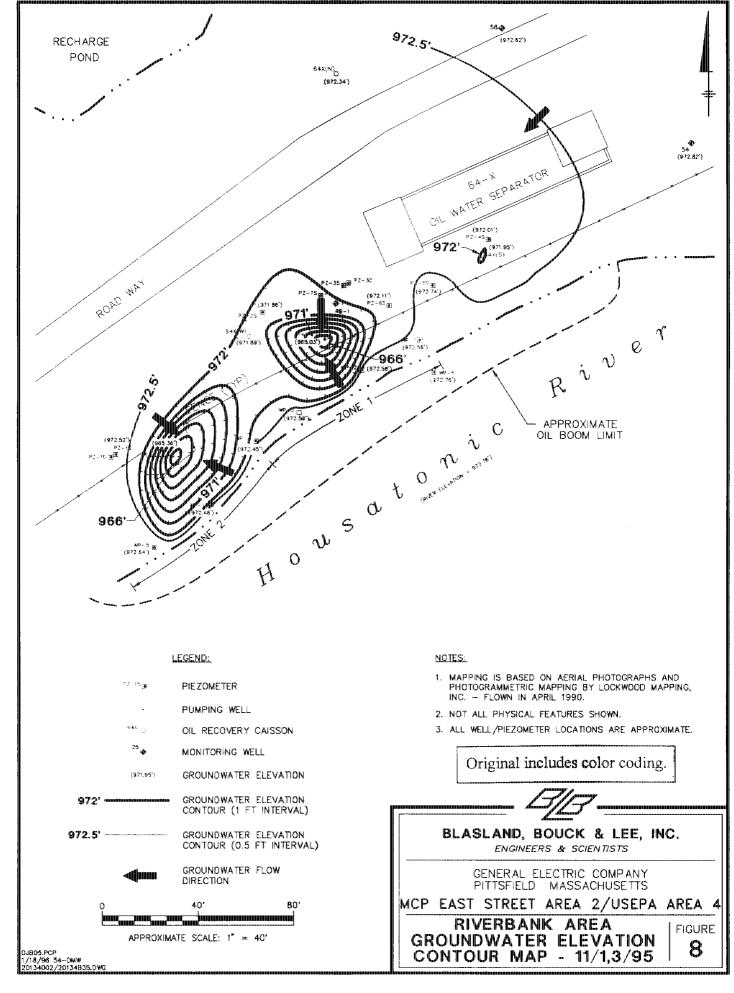


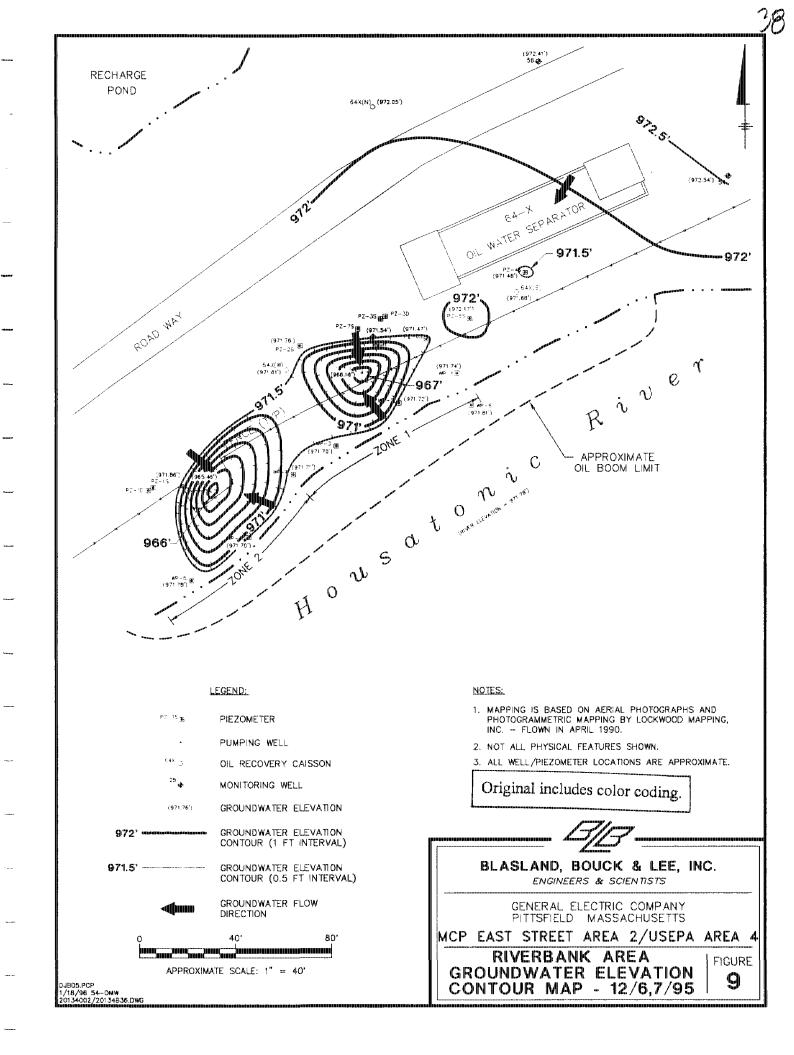












16

A xibnaqqA

		MEASURING			ĺ	MEASURED	CORRECTED
		POINT	DEPTH TO	DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING		ELEVATION	OIL	WATER	THICKNESS		ELEVATION
DATE	WELL NO.	(FT. ABOVE MSL.)	(FEET)	(FEET)	(FEET)	(FT. ABOVE MSL.)	4-7
Wednesday, July 05, 1995	54	986.13	0.00		0.00	971.61	971.61
Wednesday, July 05, 1995	58	985.79	14.36	14.48	0.12	971.31	971.42
Wednesday, July 05, 1995	84X-N	984.83	13.75	13.90	0.15	970.93	971.07
Wednesday, July 05, 1995	64X-S	981.55	10.93	11.03	0.10	970.52	970.61
Wednesday, July 05, 1995 Wednesday, July 05, 1995	64X-W RW-1(x)	984.86 982.68	14.28 0.00	14.30 16.42	0.02 0.00	970.56 966.26	970.58 966.26
Wednesday, July 05, 1995		985.96	0.00	20.90	0.00	965.06	965.06
Friday, July 07, 1995	PZ-15	989.93	18.95	19.40	0.45	970.53	970.95
Friday, July 07, 1995	PZ-25	985.34	14.60	14.66	0.06	970.68	970.74
Friday, July 07, 1995	PZ-45	982.59	0.00	12.10	0.00	970.49	970.49
Friday, July 07, 1995		983.74	12.75	12.77	0.02	970.97	970.99
Friday, July 07, 1995 Friday, July 07, 1995	PZ-6\$ RB-1	984.13 985.18	14.61	ell is dry at 1 14,71	3.15° 0.10	984.13 970.47	984.13 970.56
Friday, July 07, 1995	niver	974.85		auge out of w		270.47	870.30
Friday, July 07, 1995	WP-1	979.21	8.26	8.50	0.24	970.71	970.93
Friday, July 07, 1995	WP-13	979.20	8.34	8.35	0.01	970.85	970.86
Friday, July 07, 1995	WP-2	977.61	0.00	6.70	0.00	970.91	970.91
Friday, July 07, 1995	WP-3	976.77	5.90	6.10	0.20	970:67	970.86
Friday, July 07, 1995	WP-4	978.12	0.00	7.27	0.00	970.85	970.85
Friday, July 07, 1995	WP-6	977.21 974.91	0.00	6.28 3.89	0.00	970.93 971.02	970.93 971.02
Friday, July 07, 1995 Wednesday, July 12, 1995	54	986.13	0.00	14.33	0.00	971.80	971.80
Wednesday, July 12, 1995	58	985.79	0.00	14.09	0.00	971.70	971.70
Wednesday, July 12, 1995	64X-N	984.83	13.43	13.70	0.25	971.13	971.36
Wednesday, July 12, 1995	64X-S	981.55	10.70	10.79	0.09	970.76	970.84
Wednesday, July 12, 1995	64X-W	984.86	14.04	14.05	0.01	970.81	970.82
Wednesday, July 12, 1995		982.68	0.00	16.20	0.00	968.48	966.48
Wednesday, July 12, 1995 Thursday, July 13, 1995		985.96 989.93	0.00 18.85	20.80 19.27	0.00	965.16 970.66	965.16 971.05
Thursday, July 13, 1995	PZ-15 PZ-6S	984.13	- 4	ell is dry at 1		984.13	984.13
Thursday, July 13, 1995	nver	974.85			<u> </u>	971.04	971.04
Thursday, July 13, 1995	WP-1	979.21	8.20	8.39	0.19	970.82	971.00
Thursday, July 13, 1995	WP-13	979.20	8.26	8.27	0.01	970.93	970.94
Thursday, July 13, 1995	WP-2	977.61	0.00	6.65	0.00	970.96	970.96
Thursday, July 13, 1995	WP-3 WP-4	976.77 978.12	5.89 0.00	6.10 7.20	0.21	970.67 970.92	970.87 970.92
Thursday, July 13, 1995 Thursday, July 13, 1995	W5-5	977.21	0.00	6.19	0.00	971.02	971.02
Thursday, July 13, 1995	WP-6	974.91	 	3.83	0.00	971.08	971.08
Wednesday, July 19, 1995	54	986.13	0.00	14.52	0.00	971.61	971.61
Wednesday, July 19, 1995	58	985.79	14.36	14.56	0.20	971.23	971.42
Wednesday, July 19, 1995	64X-N	984.83	13.69	13.99	0.30	970.84	971.12
Wednesday, July 19, 1995	64X-S	981.55	10.83	10.93	0.10	970.62	970.71
Wednesday, July 19, 1995 Wednesday, July 19, 1995		984.86 982.68	14.17 0.00	14.19 16.50	0.02	970.67 966.18	970.69 966.18
Wednesday, July 19, 1995		985.98	5.00	20.60	0.00	965.36	985.38
Thursday, July 20, 1995		989.93	18.98	19.44	0.46	970.49	970.92
Thursday, July 20, 1995		984.13		fell is dry at 1	3.15'	984.13	984.13
Thursday, July 20, 1995		974.85		[970.94	970.94
Thursday, July 20, 1995		979.21	8.32	8.60	0.28	970.61	970.87
Thursday, July 20, 1995		979.20	8.38	8.39	0.01	970.81	970.82
Thursday, July 20, 1995 Thursday, July 20, 1995	WP-2 WP-3	977.61 976.77	0.00 5.90	6.74	0.00 0.38	970.87 970.49	970.87 970.84
Thursday, July 20, 1995	WP-4	978.12	15.55	7.32	0.00	970.80	970.80
Thursday, July 20, 1995	WP-5	977.21	7.00	6.30	0.00	970.91	970.91
Thursday, July 20, 1995		974.91	0.00	3.93	0.00	970.98	970.98
Wednesday, July 26, 1995	54	986.13	0.00	14.52	0.00	971.61	971.61
Wednesday, July 26, 1995		985.79	14.36	14.70	0.34	971.09	971.41
Wednesday, July 26, 1995	64X-N	984.83	13.68	14.02	0.34	970.81	971.13
Wednesday, July 26, 1995	64X-S 64X-W	981.55 984.86	10.85 14.22	10.95 14.25	0.10	970.60 970.61	970.69 970.64
Wednesday, July 26, 1995 Wednesday, July 26, 1995		984.86	0.00	16.20	0.03	966.48	966.48
Wednesday, July 26, 1995		985.96	 8:86	20.90	0.00	965.06	965.08
Thursday, July 27, 1995	PZ-15	989.93	18.81	19.25	0.44	970.68	971.09
Thursday, July 27, 1995	PZ-6S	984.13		ell is dry at 1	3.15'	984.13	984.13
Thursday, July 27, 1995	river	974.85				971.12	971.12
Thursday, July 27, 1995	WP-1	979.21	8.14	8.19	0.05	971.02	971.07
Thursday, July 27, 1995	WP-13	979.20	8.20	8.22	0.02	970.98	971.00

	,	MEASURING	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		MEASURED	CORRECTED
		POINT		DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING		ELEVATION	OIL		THICKNESS	ELEVATION	ELEVATION
DATE [hursday, July 27, 1995]	WELL NO.	(FT. ABOVE MSL.)	(FEET)	(FEET)	(FEET)	(FT. ABOVE MSL.)	(FT. ABOVE MSL.)
Thursday, July 27, 1995 Thursday, July 27, 1995		977.61 976.77	5.78	6.58 5.87	0.00	971.03 970.90	971.03
Thursday, July 27, 1995 Thursday, July 27, 1995		978.12	0.00	7.15	0.09	970.97	970.97
Thursday, July 27, 1995	WP-5	977.21	0.00	6.13	0.00	971.08	971.08
Thursday, July 27, 1995		974.91	0.00	3.76	0.00	971.15	971.15
Wednesday, August 02, 1995	54	986.13	0.00	14.67	0.00	971.46	971.46
Wednesday, August 02, 1995	58	985.79	14.44	14.82	0.38	970.97	971.32
Wednesday, August 02, 1995	64X-N	984.83	13.82	14.22	0.40	970.61	970.98
Wednesday, August 02, 1995 Wednesday, August 02, 1995	64X-S 64X-W	981.55 984.86	10.98 14.33	11.08 14.40	0.10	970.47 970.46	970.56 970.53
Wednesday, August 02, 1995 Wednesday, August 02, 1995		982.68	0.00	16.28	0.00	966.40	966.40
Wednesday, August 02, 1995		985.98	0.00	21.00	0.00	964.96	964.96
Thursday, August 03, 1995	PZ-15	989.93	19.21	19.41	0.20	970.52	970.71
Thursday, August 03, 1995	PZ-2S	985.34	14.76	14.79	0.03	970.55	970.58
Thursday, August 03, 1995	PZ-4S	982.59	0.00	12.25	0.00	970.34	970.34
Thursday, August 03, 1995	PZ-5S	983.74	12.84	12.91	0.07	970.83	970.90
Thursday, August 03, 1995	PZ-6S	984.13		ell is dry at 1		984.13	984.13
Thursday, August 03, 1995	RB-1	985.18	14.71	14.81	0.10	970.37 970.92	970.46
Thursday, August 03, 1995 Thursday, August 03, 1995	river WP-1	974.85 979.21	8.34	8.48	0.14	970.73	970.92 970.86
Thursday, August 03, 1995	WP-13	979.20	8.41	8.49	0.08	970.73	970.78
Thursday, August 03, 1995	WP-2	977.61	0.00	6.77	0.00	970.84	970.84
Thursday, August 03, 1995	WP-3	978.77	6.00	6.22	0.22	970.55	970.75
Thursday, August 03, 1995	WP-4	978.12	0.00	7.35	0.00	970.77	970.77
Thursday, August 03, 1995	WP-5	977.21	0.00	6.35	0.00	970.86	970.86
Thursday, August 03, 1995	WP-6	974.91	0.00	3.95	0.00	970.96	970.96
Wednesday, August 09, 1995	54 58	986.13 985.79	0.00	14.45	0.00 0.22	971.68 971.28	971.68
Wednesday, August 09, 1995 Wednesday, August 09, 1995	64X-N	984.83	14.29 13.73	14.51 13.75	0.02	971.08	971.48 971.10
Wednesday, August 09, 1995	64X-S	981.55	10.83	10.92	0.09	970.63	970.71
Wednesday, August 09, 1995	64X-W	984.86	14.16	14.20	0.04	970.66	970.70
Thursday, August 10, 1995	PZ-1S	989.93	19.05	19.28	0.23	970.65	970.86
Thursday, August 10, 1995	PZ-6S	984.13	0.00	13.14	0.00	970.99	970.99
Thursday, August 10, 1995	river	974.85	1961-220,-10			971.02	971.02
Thursday, August 10, 1995	WP-1	979.21	8.24	8.39	0.15	970.82	970.96
Thursday, August 10, 1995	WP-13	979.20 977.61	8.33 0.00	8.34 6.68	0.01 0.00	970.86 970.93	970.87 970.93
Thursday, August 10, 1995 Thursday, August 10, 1995	WP-3	976.77	5.89	6.12	0.23	970.65	970.86
Thursday, August 10, 1995	WP-4	978.12	0.00	7.26	0.00	970.86	970.86
Thursday, August 10, 1995	WP-5	977.21	0.00	6.24	0.00	970.97	970.97
Thursday, August 10, 1995	WP-6	974.91	0.00	3.86	0.00	971.05	971.05
Wednesday, August 16, 1995	54	988.13	0.00	14.59	0.00	971.54	971.54
Wednesday, August 16, 1995	58	985.79	14.45	14.77	0.32	971.02	971.32
Wednesday, August 16, 1995 Wednesday, August 16, 1995	64X-N 64X-S	984.83 981.55	13.93 10.99	14.01 11.10	0.08	970.82 970.45	970.89 970.55
Wednesday, August 16, 1995	64X-W	984.86	14.36	14.40	0.11	970.46	970.50
Thursday, August 17, 1995	PZ-1S	989.93	19.03	19.53	0.50	970.40	970.87
Thursday, August 17, 1995	PZ-6S	984.13		ell is dry at 1		984.13	984.13
Thursday, August 17, 1995	nevin	974.85	Ģa	auge out of w	rater	***************************************	
Thursday, August 17, 1995	WP-1	979.21	8.31	8.52	0.21	970.69	970.89
Thursday, August 17, 1995	WP-13	979.20	8.40	8.43	0.03	970.77	970.80
Thursday, August 17, 1995	WP-2 WP-3	977.61	0.00	6.78	0.00	970.83	970.83
Thursday, August 17, 1995 Thursday, August 17, 1995	WP-4	976.77 978.12	8.00 0.00	6.21 7.37	0.21	970.56 970.75	970.76 970.75
Thursday, August 17, 1995	WP-5	977.21	0.00	6.35	0.00	970.75	970.75
Thursday, August 17, 1995	WP-6	974.91	0.00	3.93	0.00	970.98	970.98
Wednesday, August 23, 1995	54	986.13	0.00	14.71	0.00	971.42	971.42
Wednesday, August 23, 1995	58	985.79	14.50	14.91	0.41	970.88	971.26
Wednesday, August 23, 1995	64X-N	984.83	14.04	14.08	0.04	970.75	970.79
Wednesday, August 23, 1995	64X-\$	981.55	11.14	11.22	0.08	970.33	970.40
Wednesday, August 23, 1995 Thursday, August 24, 1995	64X-W PZ-1S	984.86 989.93	14.48 19.25	14.54 19.70	0.08 0.45	970.32 970.23	970.38
Thursday, August 24, 1995	PZ-15 PZ-6S	984.13		19.70 ell is dry at 1		970.23	970.65 984.13
Thursday, August 24, 1995	river	974.85	445		J. 1J	970.79	970.79
Thursday, August 24, 1995	WP-1	979.21	8.45	8.85	0.40	970.36	970.73
Thursday, August 24, 1995	WP-13	979.20	8.56	8.64	0.08	970.56	970.63
Thursday, August 24, 1995	WP-2	977.61	0.00	6.93	0.00	970.68	970.68
Thursday, August 24, 1995	WP-3	976.77	6.08	6.28	0.20	970.49	970.68

		MEASURING				MEASURED	CORRECTED
		POINT	DEPTH TO	DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING		ELEVATION	OIL	WATER	THICKNESS	ELEVATION	ELEVATION
DATE Thursday, August 24, 1995	WELL NO.	(FT. ABOVE MSL.) 978.12	(FEET)	(FEET)	(FEET)	(FT. ABOVE MSL.)	(FT. ABOVE MSL
				7.51		970.61	
Thursday, August 24, 1995 Thursday, August 24, 1995		977.21 974.91	0.00	6.50 4.09	0.00	970.71 970.82	970.71 970.82
Wednesday, August 30, 1995	54	986.13	0.00	14.74	0.00	971.39	971.39
Wednesday, August 30, 1995	58	985.79	14.57	14.94	0.37	970.85	971.19
Wednesday, August 30, 1995	64X-N	984.83	14.04	14.28	0.24	970.55	970.77
Wednesday, August 30, 1995	64X-S	981.55	11.13	11.22	0.09	970.33	970.41
Wednesday, August 30, 1995	64X-W	984.86	14.47	14.56	0.09	970.30	970.38
Thursday, August 31, 1995	PZ-1S	989.93	19.14	19.94	0.80	969.99	970.73
Thursday, August 31, 1995	PZ-6S	984.13	W	ell is dry at 1	3.15'	984.13	984.13
Thursday, August 31, 1995	river	974.85				970.84	970.84
Thursday, August 31, 1995	WP-1	979.21	8.49	8.59	0.10	970.62	970.71
Thursday, August 31, 1995 Thursday, August 31, 1995	WP-13 WP-2	979.20 977.61	8.55 0.00	8.66 6.91	0.11	970.54 970.70	970.64 970.70
Thursday, August 31, 1995	WP-3	976.77	6.12	6.25	0.13	970.52	970.70
Thursday, August 31, 1995	WP-4	978.12	0.00	7.50	0.00	970.62	970.62
Thursday, August 31, 1995	WP-5	977.21	0.00	6.48	0.00	970.73	970.73
Thursday, August 31, 1995	WP-6	974.91	0.00	4.09	0.00	970.82	970.82
Thursday, September 07, 1995	54	986.13	0.00	14.75	0.00	971.38	971.38
Thursday, September 07, 1995	58	985.79	14.59	15.05	0.46	970.74	971.17
Thursday, September 07, 1995	64X-N	984.83	14.08	14.38	0.30	970.45	970.73
Thursday, September 07, 1995	64X-S	981.55	11.14	11.28	0.14	970.27	970.40
Thursday, September 07, 1995	64X-W	984.86	14.52	14.63	0.11	970.23	970.33
Thursday, September 07, 1995	PZ-1S	989.93	10.19	19.86	0.67	970.07	970.69
Thursday, September 07, 1995	PZ-2S	985.34	14.96 0.00	14.97	0.01	970.37	970.38
Thursday, September 07, 1995 Thursday, September 07, 1995	PZ-4S PZ-5S	982.59 983.74	13.01	12.42 13.13	0.00 0.12	970.17 970.61	970.17 970.72
Thursday, September 07, 1995	PZ-6S	984.13		ell is dry at 1		984.13	984.13
Thursday, September 07, 1995	RB-1	985.18	14.90	15.04	0.14	970.14	970.27
Thursday, September 07, 1995	river	974.85				970.78	970.78
Thursday, September 07, 1995		982.68	0.00	17.49	0.00	965.19	965.19
Thursday, September 07, 1995		985.96	20.30	20.90	0.60	965.06	965.62
Thursday, September 07, 1995	WP-1	979.21	8.49	8.63	0.14	970.58	970.71
Thursday, September 07, 1995	WP-13	979.20	8.57	8.80	0.23	970.40	970.61
Thursday, September 07, 1995	WP-2	977.61	0.00	6.94	0.00	970.67	970.67
Thursday, September 07, 1995	WP-3	976.77	6.12	6.26	0.14	970.51	970.64
Thursday, September 07, 1995	WP-4	978.12	0.00	7.53	0.00	970.59	970.59
Thursday, September 07, 1995 Thursday, September 07, 1995	WP-5 WP-6	977.21 974.91	0.00	6.51 4.10	0.00	970.70 970.81	970.70 970.81
Thursday, September 07, 1995	54	986.13	0.00	14.71	0.00	971.42	971.42
Thursday, September 14, 1995	58	985.79	14.55	15.00	0.45	970.79	971.21
Thursday, September 14, 1995	64X-N	984.83	13.95	14.29	0.34	970.54	970.86
Thursday, September 14, 1995	64X-S	981.55	11.08	11.18	0.10	970.37	970.46
Thursday, September 14, 1995	64X-W	984.86	14.41	14.52	0.11	970.34	970.44
Thursday, September 14, 1995		989.93	19.01	19.71	0.70	970.22	970.87
Thursday, September 14, 1995		984.13	V/A	ell is dry at 1	3.15'	984.13	984.13
Thursday, September 14, 1995		974.85				970.96	970.96
Thursday, September 14, 1995		982.68	0.00	17.31	0.00	965.37	965.37
Thursday, September 14, 1995		985.96	20.90	21.30	0.40	964.66	965.03
Thursday, September 14, 1995 Thursday, September 14, 1995	WP-1 WP-13	979.21 979.20	8.33 8.39	8.46 8.59	0.13 0.20	970.75 970.61	970.87 970.80
Thursday, September 14, 1995		979.20	0.00	6.76	0.20	970.85	970.85
Thursday, September 14, 1995		976.77	6.04	6.19	0.15	970.58	970.53
Thursday, September 14, 1995		978.12	0.00	7.36	0.00	970.76	970.76
Thursday, September 14, 1995		977.21	0.00	6.33	0.00	970.88	970.88
Thursday, September 14, 1995	WP-6	974.91	0.00	3.92	0.00	970.99	970.99
Thursday, September 21, 1995		986.13	0.00	14.72	0.00	971.41	971.41
Thursday, September 21, 1995		985.79	14.56	15.04	0.48	970.75	971.20
Thursday, September 21, 1995	64X-N	984.83	14.00	14.36	0.36	970.47	970.80
Thursday, September 21, 1995		981.55	11.08	11.19	0.11	970.36	970.46
Thursday, September 21, 1995		984.86	14.42	14.56	0.14	970.30	970.43
Thursday, September 21, 1995		989.93	19.02	19.80	0.78	970.13	970.86
Thursday, September 21, 1995 Thursday, September 21, 1995		984.13 974.85	V/A	ell is dry at 1	3.10	984.13 970.92	984.13 970.92
Thursday, September 21, 1995 Thursday, September 21, 1995		982.68	0.00	17.61	0.00	965.07	965.07
Thursday, September 21, 1995		985.98	20.80	21.10	0.30	964.86	965.14
Thursday, September 21, 1995		979.21	8.33	8.47	0.14	970.74	970.87
	1 181 1	we weam #	107110710		7.17	970.55	1 0.0.01

		MEASURING				MEASURED	CORRECTED
C 6 8 8 1 1 1 1 C		POINT		DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING DATE	MARILL MO	ELEVATION (FT. ABOVE MSL.)	(FEET)	WATER (FEET)	THICKNESS (FEET)		ELEVATION
Thursday, September 21, 1995	WP.2	9/7.6		6.79	0.00	(FT. ABOVE MSL.) 970.82	101. ABOVE WO
Thursday, September 21, 1995	WP-3	976.77	6.00	6.27	0.27	970.50	970.75
Thursday, September 21, 1995	WP-4	978.12	0.00	7.40	0.00	970.72	970.72
Thursday, September 21, 1995	WP-5	977.21	0.00	6.37	0.00	970.84	970.84
Thursday, September 21, 1995	WP-6	974.91	0.00	3.98	0.00	970.93	970.93
Wednesday, September 27, 1995	54	986.13	0.00	14.64	0.00	971.49	971.49
Wednesday, September 27, 1995	58	985.79	14.49	14.89	0.40	970.90	971.27
Wednesday, September 27, 1995	64X-N	984.83	13.92	14.32	0.40	970.51	970.88
Vednesday, September 27, 1995 Vednesday, September 27, 1995	64X-S 64X-W	981.55 984.86	10.95	11.07 14.43	0.12 0.10	970.48 970.43	970.59 970.52
Vednesday, September 27, 1995 Vednesday, September 27, 1995	RW-1(x)	982.68	0.00	17.95	0.00	964.73	964.73
Vednesday, September 27, 1995	RW-2(x)	985.96	20.08	21.50	1.42	964.46	965.78
Thursday, September 28, 1995	PZ-1S	989.93	19.01	19.56	0.55	970.37	970.88
Thursday, September 28, 1995	PZ-6S	984.13	W	ell is dry at 1	3.15'	984.13	984.13
Thursday, September 28, 1995	river	974.85				970.98	970.98
Thursday, September 28, 1995	WP-1	979.21	8.36	8,44	0.08	970.77	970.84
Thursday, September 28, 1995	WP-13	979.20	8.39	8.46	0.07	970.74	970.81
Thursday, September 28, 1995	WP-2	977.61	0.00	6.74	0.00	970.87	970.87
Thursday, September 28, 1995	WP-3	976.77	5.96	6.16	0.20	970.61 970.77	970.80
Thursday, September 28, 1995 Thursday, September 28, 1995	WP-4 WP-5	978.12 977.21	0.00	7.35 6.33	0.00	970.77 970.88	970.77 970.88
Thursday, September 28, 1995	WP-6	977.21	0.00	3.94	0.00	970.88	970.88
Thursday, October 05, 1995	54	986.13	0.00	14.44	0.00	971.69	971.69
Thursday, October 05, 1995	58	985.79	14.32	14.62	0.30	971.17	971.45
Thursday, October 05, 1995	64X-N	984.83	13.52	13.54	0.02	971.29	971.31
Thursday, October 05, 1995	64X-S	981.55	10.56	10.70	0.14	970.85	970.98
Thursday, October 05, 1995	64X-W	984.86	13.90	14.02	0.12	970.84	970.95
Thursday, October 05, 1995	PZ-1S	989.93	18.48	18.50	0.02	971.43	971.45
Thursday, October 05, 1995	PZ-2S	985.34	0.00	14.28	0.00	971.06	971.06
Thursday, October 05, 1995	PZ-4S	982.59	0.00	11.75	0.00	970.84	970.84
Thursday, October 05, 1995	PZ-5S PZ-6S	983.74 984.13	0.00	12.48 13.09	0.00	971.26 971.04	971.26 971.04
Thursday, October 05, 1995 Thursday, October 05, 1995	RB-1	985.18	14.25	14.40	0.00	970.78	970.92
Thursday, October 05, 1995	Liver	974.85	14.60	14.40	0.10	971.52	971.52
Thursday, October 05, 1995		982.68	0.00	17.32	0.00	965.36	965.36
Thursday, October 05, 1995		985.96	20.07	21.10	1.03	964.88	965.82
Thursday, October 05, 1995	WP-1	979.21	7.82	7.83	0.01	971.38	971.39
Thursday, October 05, 1995	WP-13	979.20	7.86	7.87	0.01	971.33	971.34
Thursday, October 05, 1995	WP-2	977.61	0.00	6.22	0.00	971.39	971.39
Thursday, October 05, 1995	WP-3	976.77	5.43	5.78	0.35	970.99	971.32
Thursday, October 05, 1995	WP-4	978.12	0.00	6.85	0.00	971.27	971.27
Thursday, October 05, 1995 Thursday, October 05, 1995	WP-5	977.21 974.91	0.00	5.75	0.00	971.46 971.50	971.46 971.50
Wednesday, October 11, 1995	54	986.13	0.00	3.41 14.41	0.00	971.72	971.72
Wednesday, October 11, 1995	58	985.79	14.25	14.29	0.04	971.50	971.54
Wednesday, October 11, 1995		984.83	13.60	13.62	0.02	971.21	971.23
Wednesday, October 11, 1995		981.55	10.67	10.80	0.13	970.75	970.87
Wednesday, October 11, 1995	64X-W	984.86	14.05	14.15	0.10	970.71	970.80
Wednesday, October 11, 1995	RW-1(x)	982.68	0.00	17.92	0.00	964.76	964.76
Wednesday, October 11, 1995		985.96	20.60	20.80	0.20	965.16	965.35
Thursday, October 12, 1995	PZ-1S	989.93	18.81	18.89	0.08	971.04	971.11
Thursday, October 12, 1995	PZ-6S	984.13	0.00	13.13	0.00	971.00	971.00
Thursday, October 12, 1995	river WP-1	974.85 979.21	8.05	6 /545		971.18 971.15	971.18 971.16
Thursday, October 12, 1995 Thursday, October 12, 1995		979.20	8.05	8.06 8.13	0.01 0.01	971.07	971.16
Thursday, October 12, 1995	WP-2	977.61	0.00	6.48	0.00	971.13	971.13
Thursday, October 12, 1995	WP-3	976.77	5.74	5.78	0.04	970.99	971.03
Thursday, October 12, 1995	WP-4	978.12	0.00	7.08	0.00	971.04	971.04
Thursday, October 12, 1995	WP-5	977.21	0.00	6.04	0.00	971.17	971.17
Thursday, October 12, 1995	WP-6	974.91	0.00	3.65	0.00	971.26	971.26
Wednesday, October 18, 1995	54	986.13	0.00	14.32	0.00	971.81	971.81
Wednesday, October 18, 1995		985.79	0.00	14.18	0.00	971.61	971.61
Wednesday, October 18, 1995		984.83	13.43	13.45	0.02	971.38	971.40
Wednesday, October 18, 1995		981.55	10.61	10.71	0.10	970.84	970.93
Wednesday, October 18, 1995		984.86	13.94	14.02	0.08	970.84	970.91
Wednesday, October 18, 1995		982.68 985.98	0.00 20.52	17.84 20.68	0.00 0.16	964.84 965.28	964.84 965.43
Wednesday, October 18, 1995							

					,		
		MEASURING	DEPTH TO	DEDTE TO		MEASURED	CORRECTED
SAMPLING		POINT ELEVATION	OIL	DEPTH TO WATER	OIL THICKNESS	WATER TABLE ELEVATION	WATER TABLE ELEVATION
DATE	WELL NO.	(FT. ABOVE MSL.)	(FEET)	(FEET)	(FEET)	(FT. ABOVE MSL.)	(FT. ABOVE MSL.)
Thursday, October 19, 1995	PZ-65	984.13			N-0.00	977.02	971.02
Thursday, October 19, 1995		974.85			0.00	971.32	971.32
Thursday, October 19, 1995	WP-1	979.21	7.99	8.00	0.01	971.21	971.22
Thursday, October 19, 1995	WP-13	979.20	8.04	8.05	0.01	971.15	971.16
Thursday, October 19, 1995		977.61	0.00	6.40	0.00	971.21	971.21
Thursday, October 19, 1995	WP-3	976.77	5.65	5.70	0.05	971.07	971.12
Thursday, October 19, 1995		978.12	0.00	7.01	0.00	971.11	971.11
Thursday, October 19, 1995		977.21	0.00	5.95	0.00	971.26	971.26
Thursday, October 19, 1995 Thursday, October 26, 1995	WP-6 54	974.91 986.13	0.00	3.59 13.49	0.00	971.32 972.64	971.32
Thursday, October 26, 1995	58	985.79	0.00	13.49	0.00	972.42	972.64 972.42
Thursday, October 26, 1995	64X-N	984.83	12.67	12.70	0.03	972.13	972.16
Thursday, October 26, 1995	64X-S	981.55	9.76	9.82	0.06	971.73	971.79
Thursday, October 26, 1995	64X-W	984.86	13.08	13.21	0.13	971.65	971.77
Thursday, October 26, 1995	PZ-1S	989.93	17.87	18.05	0.18	971.88	972.05
Thursday, October 26, 1995	P2-6S	984.13	12.42	12.43	0.01	971.70	971.71
Thursday, October 26, 1995	river	974.85				972.40	972.40
Thursday, October 26, 1995		982.68	0.00	20.30	0.00	962.38	962.38
Thursday, October 26, 1995		985.96	0.00	17.15	0.00	968.81	968.81
Thursday, October 26, 1995	WP-1 WP-13	979.21	7.10 0.00	7.11	0.01	972.10	972.11
Thursday, October 26, 1995 Thursday, October 26, 1995	WP-13	979.20 977.61	0.00	7.15 5.50	0.00	972.05 972.11	972.05 972.11
Thursday, October 26, 1995	WP-3	976.77	4.72	4.73	0.00	972.04	972.05
Thursday, October 25, 1995	WP-4	978.12	0.00	6.10	0.00	972.02	972.02
Thursday, October 26, 1995	WP-5	977.21	5.55	5.05	0.00	972.16	972.16
Thursday, October 26, 1995	WP-6	974.91	0.00	2.66	0.00	972.25	972.25
Wednesday, November 01, 1995	5:4	986.13	0.00	13.31	0.00	972.82	972.82
Wednesday, November 01, 1995	58	985.79	0.00	13.17	0.00	972.62	972.62
Wednesday, November 01, 1995	64X-N	984.83	12.49	12.51	0.02	972.32	972.34
Wednesday, November 01, 1995	64X-S	981.55	9.60	9.66	0.06	971.89	971.95
Wednesday, November 01, 1995	64X-W	984.86	12.96	13.08	0.12	971.78	971.89
Wednesday, November 01, 1995	RW-1(x)	982.68	0.00	17.65 20.60	0.00	965.03	965.03
Wednesday, November 01, 1995 Friday, November 03, 1995	RW-2(x) PZ-1S	985.96 989.93	17.41	17.42	0.00	965.36 972.51	965.36 972.52
Friday, November 03, 1995	PZ-2S	985.34	13.47	13.67	0.20	971.67	971.86
Friday, November 03, 1995	PZ-45	982.59	0.00	10.58	0.00	972.01	972.01
Friday, November 03, 1995	PZ-5S	983.74	0.00	11.00	0.00	972.74	972.74
Friday, November 03, 1995	PZ-6S	984.13	12.01	12.15	0.14	971.98	972.11
Friday, November 03, 1995	river	974.85				972.76	972.76
Friday, November 03, 1995	WP-1	979.21	0.00	6.65	0.00	972.56	972.56
Friday, November 03, 1995	WP-13	979.20	0.00	6.72	0.00	972.48	972.48
Friday, November 03, 1995	WP-2	977.61	0.00	5.03	0.00	972.58	972.58
Friday, November 03, 1995	WP-3 WP-4	976.77	4.17	4.28	0.11	972.49	972.59
Friday, November 03, 1995	***************************************	978.12	0.00	5.67	0.00	972.45	972.45
Friday, November 03, 1995 Friday, November 03, 1995	WP-5 WP-6	977.21 974.91	0.00	4.57 2.15	0.00	972.64 972.76	972.64 972.76
Wednesday, November 03, 1995	54	986.13	0.00	13.53	0.00	972.60	972.60
Wednesday, November 08, 1995	58	985.79	0.00	13.39	0.00	972.40	972.40
Wednesday, November 08, 1995	64X-N	984.83	12.74	12.77	0.03	972.06	972.09
Wednesday, November 08, 1995	64X-S	981.55	9.72	9.78	0.06	971.77	971.83
Wednesday, November 08, 1995		984.86	13.07	13.19	0.12	971.67	971.78
Wedniesday, November 08, 1995		982.68	0.00	17.16	0.00	965.52	965.52
Wednesday, November 08, 1995		985.96	0.00	20.52	0.00	965.44	965.44
Thursday, November 09, 1995	PZ-1S	989.93	17.79	17.85	0.06	972.08	972.14
Thursday, November 09, 1995	PZ-6S	984.13	12.41	12.63	0.22	971.50	971.70
Thursday, November 09, 1995 Thursday, November 09, 1995	niver WP-1	974.85	7.10	7.11		972.26 972.10	972.26
Thursday, November 09, 1995	WP-13	979.21 979.20	0.00	7.16	0.01	972.10	972.11 972.04
Thursday, November 09, 1995	WP-2	977.61	0.00	5.50	0.00	972.04	972.11
Thursday, November 09, 1995	WP-3	976.77	4.73	4.74	0.00	972.03	972.04
Thursday, November 09, 1995	WP-4	978.12	0.00	6.12	0.00	972.00	972.00
Thursday, November 09, 1995	WP-5	977.21	0.00	5.06	0.00	972.15	972.15
Thursday, November 09, 1995	WP-6	974.91	0.00	2.66	0.00	972.25	972.25
Wednesday, November 15, 1995		986.13	0.00	12.41	0.00	973.72	973.72
Wednesday, November 15, 1995	58	985.79	0.00	12.36	0.00	973.43	973.43
Wednesday, November 15, 1995	64X-N	984.83	11.50	11.51	0.01	973.32	973.33
Wednesday, November 15, 1995	64X-S	981.55	8,44	8.45	0.01	973.10	973.11
Wednesday, November 15, 1995	64X-W	984.86	11.78	11.85	0.07	973.01	973.08

		MEASURING			:	MEASURED	CORRECTED
		POINT		DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING		ELEVATION	OIL	WATER	THICKNESS	ELEVATION	ELEVATION
DATE Wednesday, November 15, 1995	WELL NO.	(FT. ABOVE MSL.) 982.68	(FEET)	(FEET) 16:20	(FEET) 0.00	(FT. ABOVE MSL.) 966,48	(FT. ABOVE MSL
Wednesday, November 15, 1995 Wednesday, November 15, 1995		982.58	0.00	20.70	0.00	965.26	965.26
Thursday, November 16, 1995	PZ-15	989.93	16.10	16.11	0.01	973.82	973.83
Thursday, November 16, 1995	PZ-65	984.13	10.71	11.20	0.49	972.93	973.39
Thursday, November 16, 1995	river	974.85				973.94	973.94
Thursday, November 16, 1995	WP-1	979.21	0.00	5.45	0.00	973.76	973.76
Thursday, November 16, 1995	WP-13	979.20	0.00	5.50	0.00	973.70	973.70
Thursday, November 16, 1995	WP-2	977.61	0.00	3.84	0.00	973.77	973.77
Thursday, November 16, 1995	WP-3	976.77	0.00	2.98	0.00	973.79	973.79
Thursday, November 16, 1995		978.12	0.00	4.34	0.00	973.78	973.78
Thursday, November 16, 1995 Thursday, November 16, 1995	4	977.21 974.91	0.00	3.35 0.98	0.00	973.86 973.93	973.86 973.93
Tuesday, November 21, 1995	54	986.13	0.00	12.83	0.00	973.30	973.30
Tuesday, November 21, 1995	A	985.79	0.00	12.69	0.00	973.10	973.10
Tuesday, November 21, 1995		984.83	12.09	12.11	0.02	972.72	972.74
Tuesday, November 21, 1995		981.55	9.18	9.20	0.02	972.35	972.37
Tuesday, November 21, 1995		984.86	12.54	12.66	0.12	972.20	972.31
Tuesday, November 21, 1995		982.68	0.00	17.25	0.00	965.43	965.43
Tuesday, November 21, 1995		985.98	0.00	20.80	0.00	965.16	965.16
Wednesday, November 29, 1995		986.13	0.00	13.36	0.00	972.77	972.77
Wednesday, November 29, 1995		985.79	0.00	13.22	0.00	972.57	972.57
Wednesday, November 29, 1995 Wednesday, November 29, 1995		984.83 981.55	12.70 9.75	12.72 9.82	0.02	972.11 971.73	972.13 971.80
wednesday, November ∡9, 1995 Wednesday, November 29, 1995	A	984.86	13.10	13.18	0.07	971.68	971.75
Wednesday, November 29, 1995		982.68	0.00	16.70	0.00	965.98	965.98
Wednesday, November 29, 1995		985.96	0.00	20.64	0.00	965.32	965.32
Thursday, November 30, 1995	PZ-1S	989.93	18.00	18.02	0.02	971.91	971.93
Thursday, November 30, 1995	PZ-6S	984.13	12.59	12.64	0.05	971.49	971.54
Thursday, November 30, 1995	river	974.85	 	**************************************		971.86	971.86
Thursday, November 30, 1995	WP-1	979.21	0.00	7.41	0.00	971.80	971.80
Thursday, November 30, 1995	WP-13	979.20	0.00	7.44	0.00	971.76	971.76
Thursday, November 30, 1995	WP-2	977.61	0.00	5.82	0.00	971.79	971.79
Thursday, November 30, 1995	WP-3	976.77	4.99	5.00	0.01	971.77	971.78
Thursday, November 30, 1995 Thursday, November 30, 1995	WP-4 WP-5	978.12 977.21	0.00	6.34 5.35	0.00	971.78 971.86	971.78 971.86
Thursday, November 30, 1995	WP-6	974.91	0.00	3.05	0.00	971.86	971.86
Wednesday, December 06, 1995	54	986.13	0.00	13.59	0.00	972.54	972.54
Wednesday, December 06, 1995	58	985.79	0.00	13.38	0.00	972.41	972.41
Wednesday, December 06, 1995	64X-N	984.83	12.78	12.80	0.02	972.03	972.05
Wednesday, December 06, 1995	64X-S	981.55	9.88	9.96	0.08	971.59	971.66
Wednesday, December 06, 1995	64X-W	984.86	13.24	13.34	0.10	971.52	971.61
Wednesday, December 06, 1995	RW-1(x)	982.68	0.00	16.52	0.00	966.16	966.16
Wednesday, December 05, 1995 Thursday, December 07, 1995	PZ-1S	985.96 989.93	0.00 18.07	20.50 18.10	0.00	965.46 971.83	965.46 971.86
Thursday, December 07, 1995		985.34	13.57	13.76	0.03	971.58	971.76
Thursday, December 07, 1995		982.59	0.00	11.11	0.00	971.48	971.48
Thursday, December 07, 1995		983.74	0.00	11.57	0.00	972.17	972.17
Thursday, December 07, 1995	PZ-6S	984.13	12.66	12.73	0.07	971.40	971.47
Thursday, December 07, 1995	RB-1	985.18	13.63	13.74	0.11	971.44	971.54
Thursday, December 07, 1995	river	974.85				971.78	971.78
Thursday, December 07, 1995	WP-1	979.21	7.47	7.48	0.01	971.73	971.74
Thursday, December 07, 1995	WP-13	979.20	0.00	7.50	0.00	971.70	971.70
Thursday, December 07, 1995		977.61	0.00	5.89	0.00	971.72	971.72
Thursday, December 07, 1995 Thursday, December 07, 1995		976.77	5.07 0.00	5.08	0.01	971.69 971.71	971.70
Thursday, December 07, 1995		978.12 977.21	0.00	6.41 5.43	0.00	971.71	971.71 971.78
Thursday, December 07, 1995		974.91	0.00	3.10	0.00	971.81	971.75
Wednesday, December 13, 1995		986.13	0.00	13.83	0.00	972.30	972.30
Wednesday, December 13, 1995		985.79	0.00	13.64	0.00	972.15	972.15
Wednesday, December 13, 1995		984.83	13.10	13.11	0.01	971.72	971.73
Wednesday, December 13, 1995		981.55	10.26	10.34	0.08	971.21	971.28
Wednesday, December 13, 1995	64X-W	984.86	13.58	13.63	0.05	971.23	971.28
Wednesday, December 13, 1995	haaaaaaaaaaabaabaaa	982.68	0.00	16.85	0.00	965.83	965.83
Wednesday, December 13, 1995	haanaaaa	985.96	0.00	20.90	0.00	965.06	965.06
Friday, December 15, 1995		989.93	18.33	18.35	0.02	971.58	971.60
Friday, December 15, 1995 Friday, December 15, 1995		984.13 974.85	12.90	13.01	0.11	971.12	971.22
	r envelop	LA FAR MIA				971.60	971.60

######################################		MEASURING				MEASURED	CORRECTED
		POINT	DEPTH TO	DEPTH TO	OIL	WATER TABLE	WATER TABLE
SAMPLING		ELEVATION	OIL	WATER	THICKNESS		ELEVATION
DATE	WELL NO.	(FT. ABOVE MSL.)	(FEET)	(FEET)	(FEET)	(FT. ABOVE MSL.) 971.49	(FT. ABOVE MSL
Friday, December 15, 1995							
Friday, December 15, 1995	WP-2	977.61	0.00	6.09	0.00	971.52	971.52
Friday, December 15, 1995	WP-3	976.77	0.00	5.25	0.00	971.52	971.52
Friday, December 15, 1995	WP-4	978.12	0.00	6.64	0.00	971.48	971.48
Friday, December 15, 1995	WP-5	977.21	0.00	5.69	0.00	971.52	971.52
Friday, December 15, 1995	WP-6	974.91	0.00	3.31	0.00	971.60	971.60
Tuesday, December 19, 1995	54	986.13	0.00	13.89	0.00	972.24	972.24
Tuesday, December 19, 1995	58	985.79	0.00	13.68	0.00	972.11	972.11
Tuesday, December 19, 1995	64X-N	984.83	13.11	13.13	0.02	971.70	971.72
Tuesday, December 19, 1995	64X-S	981.55	10.23	10.31	0.08	971.24	971.31
Tuesday, December 19, 1995	64X-W	984.86	13.56	13.62	0.06	971.24	971.30
Tuesday, December 19, 1995	RW-1(x)	982.68	0.00	16.84	0.00	965.84	965.84
Tuesday, December 19, 1995	RW-2(x)	985.96	0.00	20.32	0.00	965.64	965.64
Thursday, December 21, 1995	PZ-1S	989.93	18.38	18.39	0.01	971.54	971.55
Thursday, December 21, 1995	PZ-6S	984.13	12.89	13.02	0.13	971.11	971.23
Thursday, December 21, 1995	Liver	974.85				971.50	971.50
Thursday, December 21, 1995	WP-1	979.21	7.74	7.75	0.01	971.46	971.47
Thursday, December 21, 1995	WP-13	979.20	0.00	7.78	0.00	971.42	971.42
Thursday, December 21, 1995	WP-2	977.61	0.00	6.16	0.00	971.45	971.45
Thursday, December 21, 1995	WP-3	976.77	0.00	5.34	0.00	971.43	971.43
Thursday, December 21, 1995	WI>-4	978.12	0.00	6.71	0.00	971.41	971.41
Thursday, December 21, 1995	WP-5	977.21	0.00	5.70	0.00	971.51	971.51
Thursday, December 21, 1995	WP-6	974.91	0.00	3.43	0.00	971.48	971.48
Wednesday, December 27, 1995	54	986.13	0.00	13.99	0.00	972.14	972.14
Wednesday, December 27, 1995	58	985.79	0.00	13.82	0.00	971.97	971.97
Wednesday, December 27, 1995	64X-N	984.83	13.19	13.20	0.01	971.63	971.64
Wednesday, December 27, 1995	64X-S	981.55	10.26	10.35	0.09	971.20	971.28
Wednesday, December 27, 1995	64X-W	984.86	13.66	13.72	0.06	971.14	971.20
Wednesday, December 27, 1995	RW-1(x)	982.68	0.00	16.85	0.00	965.83	965.83
Wednesday, December 27, 1995	RW-2(x)	985.96	0.00	20.55	0.00	965.41	965.41
Thursday, December 28, 1995	PZ-1S	989.93	18.46	18.48	0.02	971.45	971.47
Thursday, December 28, 1995	P2-6S	984.13	12.92	13.10	0.18	971.03	971.20
Thursday, December 28, 1995	river	974.85				971.48	971.48
Thursday, December 28, 1995	WP-1	979.21	0.00	7.81	0.00	971.40	971.40
Thursday, December 28, 1995	WP-13	979.20	0.00	7.86	0.00	971.34	971.34
Thursday, December 28, 1995	WP-2	977.61	0.00	6.22	0.00	971.39	971.39
Thursday, December 28, 1995	WP-3	976.77	0.00	5.43	0.00	971.34	971.34
Thursday, December 28, 1995	WP-4	978.12	0.00	6.76	0.00	971.36	971.36
Thursday, December 28, 1995	WP-5	977.21	0.00	5.78	0.00	971.43	971.43
Thursday, December 28, 1995	WP-6	974.91	0.00	3.44	0.00	971.47	971.47

- 1. Liquid-level measurements obtained by Blasland, Bouck & Lee, Inc.
- Corrected water table elevations in wells containing oil were computed as follows:
 Corrected Water Table Elevation = Measuring Point Elevation Depth to Water + (Oil Thickness X Specific Density of Oil).
 Specific density of oil estimated at 0.93.