#136

EXXON COMPANY, U.S.A.

POST OFFICE BOX 4032 . CONCORD, CA 94524-2032

ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENVIRONMENTAL ENGINEER
(510) 246-8776

still sheen on MW's 2, 3, 4 & 8
plus high PPHg d & B in MW's
all perimeter downgradient wells

November 13, 1992

Mr. Barney Chan
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Suite 200
Oakland, California 94621

Subject: Former Exxon RAS #7-3006; 720 High Street, Oakland, California

Dear Mr. Seto:

Attached for your review and comment is the **Letter Report Quarterly Groundwater Monitoring** for the above referenced site. This report, prepared by RESNA Industries, Inc., of San Jose, California, details the results of the third quarter ground water monitoring events completed through September 1992.

Per Exxon's letter dated November 5, 1992, a work plan addendum will be forwarded to your office no later than December 3, 1992 responding to requests made in your Alameda County letter dated October 29, 1992.

Should you have any questions or comments, or require additional information, please contact me at the above listed phone number.

Sincerely,

Marla D. Guensler

Attachment:

c - w/attachment:
Mr. Richard Hiett - San Francisco Bay RWQCB
Mr. V. A. Sevier

w/o attachment:
Mr. M. A. Briggs - RESNA Industries, Inc., San Jose, California
Mr. E. E. Villasenor

MDG/pdp
2612E/73006.ltr.6

A RESNA Company

RESNA
Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
Fax: (408) 264-2435

LETTER REPORT
QUARTERLY GROUNDWATER MONITORING
Third Quarter 1992
at
Exxon Station 7-3006
720 High Street
Oakland, California

11/9/92

87042.11

A RESNA Company

RESNA
Working To Restore Nature

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San Jose, CA 95118
Phone: (408) 264-7723
Fax: (408) 264-2435

November 9, 1992
0908MGUE
87042.11

Ms. Marla D. Guensler
Exxon Company U.S.A.
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, California 94520

Subject: Letter Report on Third Quarter 1992 Groundwater Monitoring at Exxon Station 7-3006, 720 High Street, Oakland, California

Ms. Guensler:

As requested by Exxon Company U.S.A. (Exxon), this letter report summarizes the methods and results of the third quarter 1992 groundwater monitoring performed by RESNA Industries Inc. (RESNA) at the above subject site. The site is located at 720 High Street, in a predominantly industrial area of Oakland, California. It is bound on the northwest by High Street, on the southwest by Coliseum Way, on the northeast by a former dry-cleaning facility, on the south by Alameda Avenue, and on the southeast by a vacant lot, as shown on Plate 1, Site Vicinity Map.

The objectives of this quarterly monitoring are to evaluate trends in the groundwater flow direction and gradient, and trends in concentrations of gasoline and diesel hydrocarbons in the local groundwater associated with a former used-oil and three former underground gasoline storage tanks (USTs) at the site.

Prior to the present monitoring, RESNA (formerly Applied GeoSystems [AGS]) performed an environmental investigation related to the removal of four USTs in April 1987 (AGS, May 13, 1987, July 10, 1987, and October 16, 1989), and an environmental investigation between September 1987 and May 1988 that included drilling nine boreholes (B-1 through B-9) around the former UST locations and installing groundwater monitoring wells MW-1 through MW-9 in the boreholes (AGS, August 5, 1988). AGS performed a Supplemental Subsurface Investigations that included; drilling of eleven boreholes (B-10 through B-20) and the installation of groundwater monitoring wells MW-10 through MW-13 in boreholes B-10 through B-13 in November 1989 (AGS, January 30, 1990), and drilling of boreholes B-21 through B-32 and the installation of groundwater monitoring wells MW-14 and MW-15 in

boreholes B-31 and B-32 in November 1990 (AGS, May 21, 1991). Quarterly monitoring was initiated by AGS in the second quarter of 1989 (AGS, October 16, 1989) and is ongoing. The locations of the borings, wells, and pertinent site facilities are shown on the Generalized Site Plan, (Plate 2). The results of these investigations are presented in the reports listed in the references section.

Groundwater Sampling and Gradient Evaluation

For the latest quarterly groundwater monitoring, RESNA personnel collected groundwater monitoring data from the one offsite monitoring well (MW-1) and thirteen onsite monitoring wells (MW-2 through MW-4, and MW-6 through MW-15) on September 24 and 25, 1992. Monitoring well MW-5 was destroyed in July 1989. Field work during this quarter consisted of measuring depth to water (DTW) levels, subjectively analyzing water from the wells for the presence of floating product, removal of any floating product encountered, and purging and sampling the groundwater from monitoring wells MW-1, MW-6, MW-7, MW-9 through MW-15 for laboratory analysis. Monitoring wells MW-2 through MW-4, and MW-8 were not sampled due to the presence of a sheen observed during subjective analysis of the wells. Field methods used by RESNA personnel are described in Appendix A, Groundwater Sampling Protocol.

RESNA calculated groundwater elevations for each well by subtracting the measured DTW, including corrections for product thickness when necessary, from the elevation of the wellhead. The measured DTW levels, product thickness, wellhead elevations, and groundwater elevations for this and previous monitorings at the site are summarized in Table 1, Cumulative Groundwater Monitoring Data. Data from Table 1 were used to produce hydrographs which show fluctuations in local groundwater elevations. Hydrographs for the fourteen monitoring wells are included in Appendix B. Based on the September 24, 1992 groundwater elevation data, the interpreted local groundwater gradient and flow direction is approximately 0.03 toward the west-southwest. Groundwater Gradient Map (Plate 3) is RESNA's interpretation of the local groundwater gradient for this quarter. This groundwater gradient is generally consistent with previously interpreted groundwater gradients.

Groundwater samples were collected from one offsite well (MW-1) and the thirteen onsite monitoring wells (MW-2 through MW-4, and MW-6 through MW-15) for subjective analysis before the monitoring wells were purged and sampled. No evidence of floating product or noticeable hydrocarbon vapor was observed in the water samples collected from wells MW-1, MW-6, MW-7, MW-9 through MW-15 for laboratory analysis. A sheen was observed in the groundwater samples collected from wells MW-2 through MW-4, and MW-8. These subjective analyses are summarized in Table 1.

The one offsite monitoring well and nine onsite monitoring wells were purged and sampled in accordance with the enclosed groundwater sampling protocol (Appendix A). Well purge data sheets and stabilization graphs for the monitored parameters temperature, turbidity, pH, and conductivity for the ten monitoring wells are included in Appendix A.

Results of Laboratory Analysis

Groundwater samples from the monitoring wells were analyzed, by Pace Incorporated laboratories (PACE) (California State Certification Number 1282) in Novato, California, for gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX), and total petroleum hydrocarbons as gasoline (TPHg) using modified Environmental Protection Agency (EPA) Methods 5030/8015/8020, and for total petroleum hydrocarbons as diesel (TPHd) using modified EPA Methods 3510/8015. The Chain of Custody Record and Laboratory Analysis Reports for the monitoring wells are included in Appendix C.

The chemical analyses results of this, and previous, quarterly monitoring are summarized in Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples. Graphic distributions of TPHg, benzene, and TPHd concentrations in the local groundwater for this quarterly monitoring are shown on Plate 4, TPHg Concentrations in Groundwater, Plate 5, Benzene Concentrations in Groundwater, and Plate 6, TPHd Concentrations in Groundwater. Chemical analyses data from Table 2 were used to produce histograms which show fluctuations in TPHg concentrations over time. Histograms for MW-1 through MW-4, and MW-6 through MW-15 are included on the hydrographs in Appendix B.

Results of this quarter's laboratory analyses of groundwater samples from wells MW-1, MW-6, MW-7, and MW-9 through MW-15 indicate that:

- concentrations of TPHg and TPHd were nondetectable in wells MW-1, MW-9, MW-10, and MW-11.
- concentrations of TPHg were detected in wells MW-6, MW-7, MW-12, MW-13, MW-14, and MW-15 and ranged from 0.075 parts per million (ppm) in MW-14 to 570 ppm in MW-12.
- concentrations of TPHd were detected in wells MW-6, MW-7, MW-12, MW-13, MW-14, and MW-15 and ranged from 0.30 ppm in MW-14 to 3.1 ppm in MW-12.
- Except for 0.006 ppm toluene in MW-1, concentrations of BTEXs were nondetectable in wells MW-1, MW-9, MW-10, MW-11, and MW-14.

- Benzene was detected at concentrations of 0.12 ppm in MW-15, 0.16 ppm in MW-7, 3.6 ppm in MW-15, 9.5 ppm in well MW-13, 9.8 ppm in well MW-6, and 62.0 ppm in well MW-12; which are greater than the California Department of Health Services (CDHS) Maximum Contaminant Level (MCL) of 0.001 ppm benzene in drinking water.

- Toluene was detected at concentrations of 0.27 ppm in MW-6, 6.1 ppm in MW-13, and 46 ppm in MW-12; which are greater than the CDHS recommended Drinking Water Action Level (DWAL) of 0.100 ppm toluene in drinking water.

- Total xylenes were detected at concentrations of 3.6 ppm in MW-6, 10 ppm in MW-13, and 57 ppm in MW-12; which are greater than the CDHS MCL of 1.750 ppm total xylenes in drinking water.

- Ethylbenzene was detected at concentration of 1.4 ppm in MW-6, 2.4 ppm and MW-13, and 15 ppm in MW-12; which are greater than the CDHS MCL of 0.680 ppm ethylbenzene in drinking water.

- Toluene concentrations in MW-1, MW-7, and MW-15, and ethylbenzene and total xylenes concentrations in MW-7 and MW-15 ranged between 0.0006 ppm and 0.48 ppm; which are less than the respective MCLs and DWALs.

Copies of this report should be forwarded to:

Mr. Lester Feldman
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Mr. Barney M. Chan
Hazardous Materials Specialist
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

If you have any questions or comments, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Marc A. Briggs
Assistant Project Geologist

REGISTERED GEOLOGIST
JAMES LEWIS NELSON
No. 1463
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

James L. Nelson
C.E.G. No. 1463

Enclosures: References

Plate 1, Site Vicinity Map
Plate 2, Generalized Site Plan
Plate 3, Groundwater Gradient Map (September 24, 1992)
Plate 4, TPHg Concentrations in Groundwater
Plate 5, Benzene Concentrations in Groundwater
Plate 6, TPHd Concentrations in Groundwater

Table 1, Cumulative Groundwater Monitoring Data
Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples

Appendix A: Groundwater Sampling Protocol, Well Purge Data Sheets, and Stabilization Graphs
Appendix B: Hydrograph and TPHg Graphs
Appendix C: Chain of Custody Records and Laboratory Analysis Reports

REFERENCES

Applied GeoSystems. May 13, 1987. Letter Report for First Phase Soil Contamination Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-1.

Applied GeoSystems. July 10, 1987. Report of Excavation, Aeration, and Removal of Contaminated Soil Including Soil Sampling and Analyses, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-2.

Applied GeoSystems. August 5, 1988. Report of Subsurface Environmental Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-5.

Applied GeoSystems. July 8, 1989. Site Safety Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-6S.

Applied GeoSystems. October 16, 1989. Report on Subsurface Environmental Investigation, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-6.

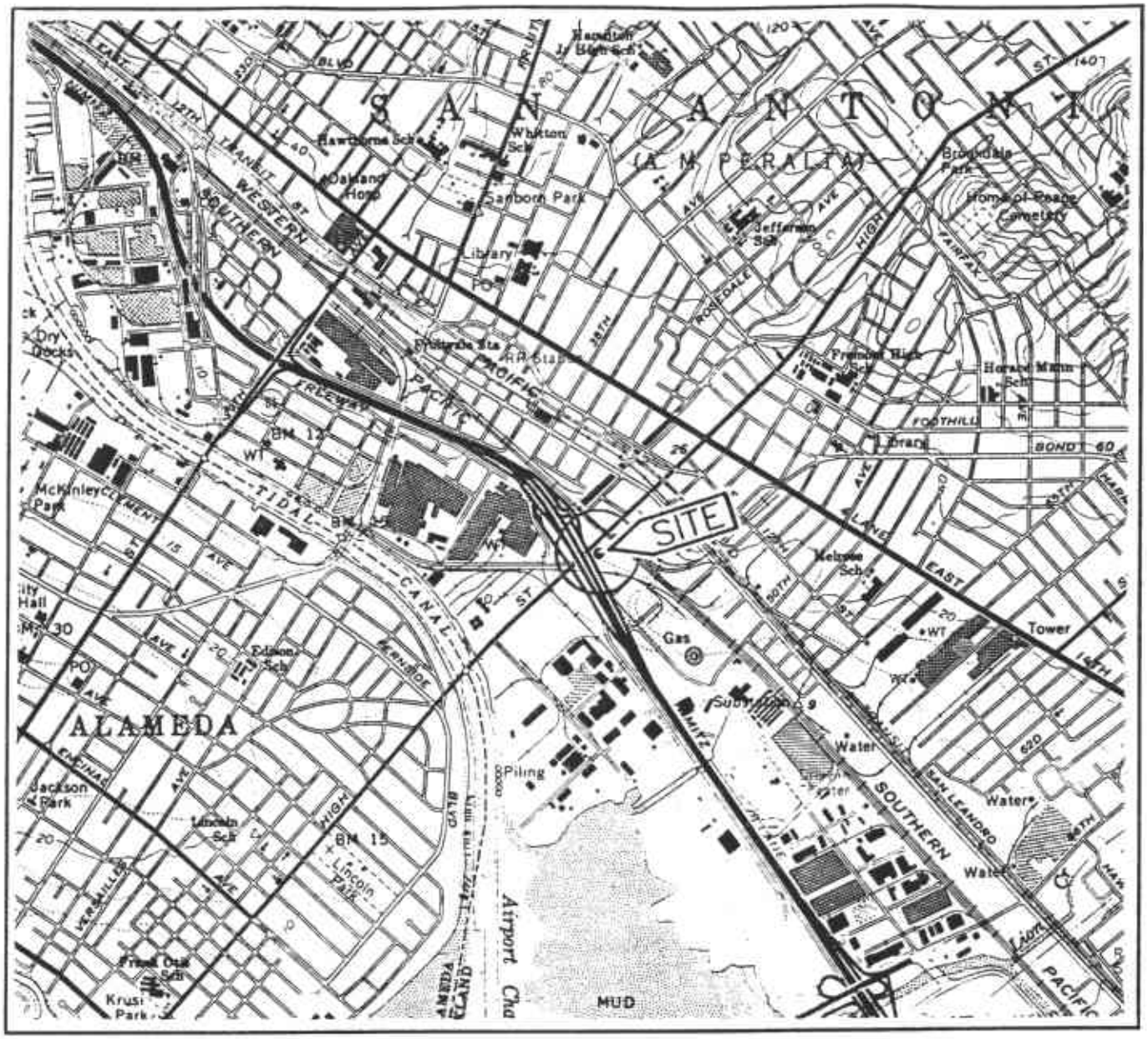
Applied GeoSystems. January 30, 1990. Report on Limited Environmental Investigation, Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 87042-6R.

Applied GeoSystems. January 30, 1991. Letter Report on Ground-Water Monitoring for Fourth Quarter 1990, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9.

Applied GeoSystems. May 21, 1991. Report on Supplemental Subsurface Environmental Investigation, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9R.

Applied GeoSystems. October 10, 1991. Interim Groundwater Remediation Work Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9RAP.

RESNA Industries, Inc. June 15, 1992. Letter Report on Groundwater Monitoring for First Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.



Base: U.S. Geological Survey
7.5-Minute Quadrangles
Oakland East, California
Photorevised 1980

N

LEGEND

⊙ = Site Location

Approximate Scale

2000 1000 0 2000 4000

feet

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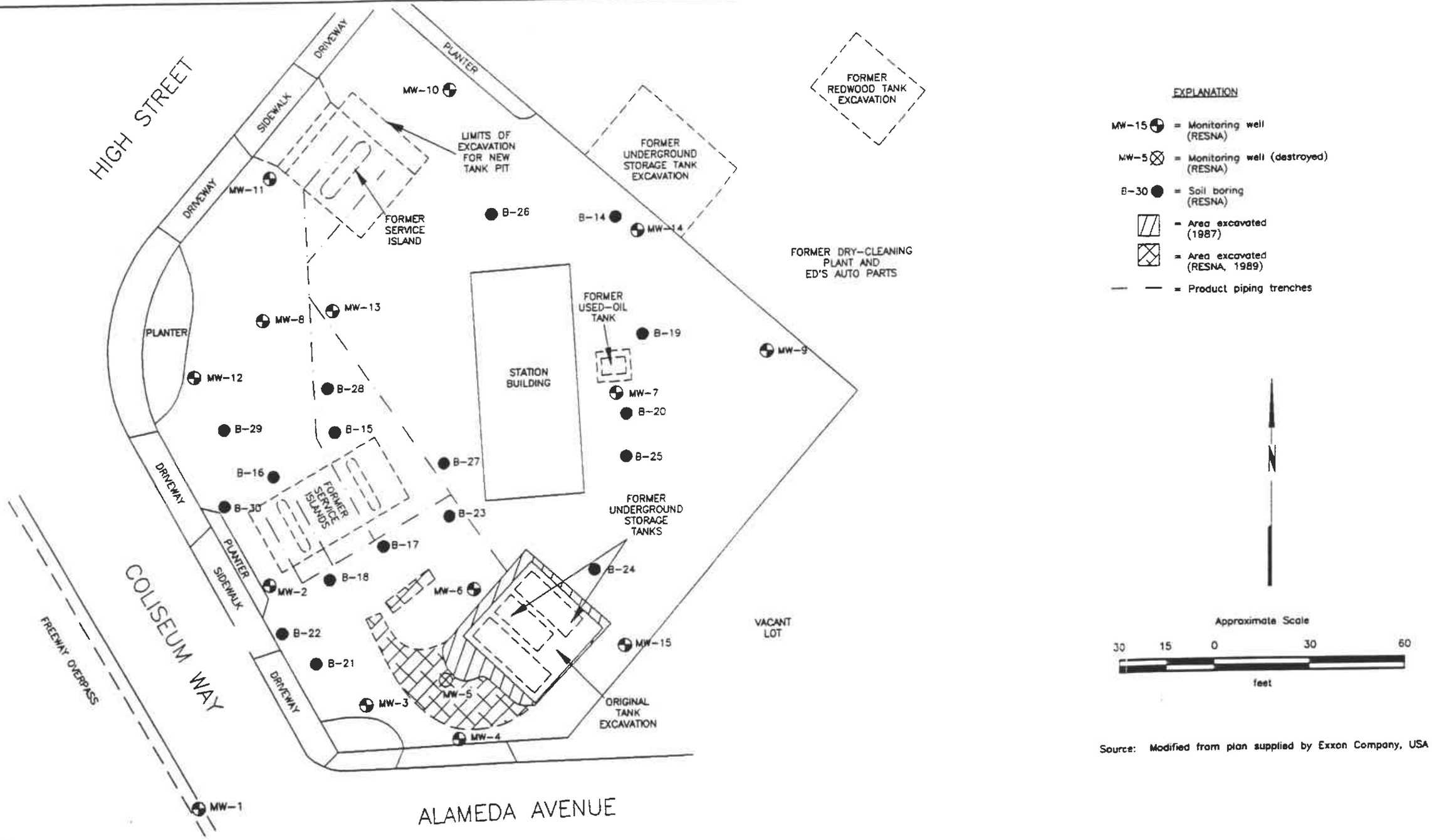
SITE VICINITY MAP
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
1



Source: Modified from plan supplied by Exxon Company, USA

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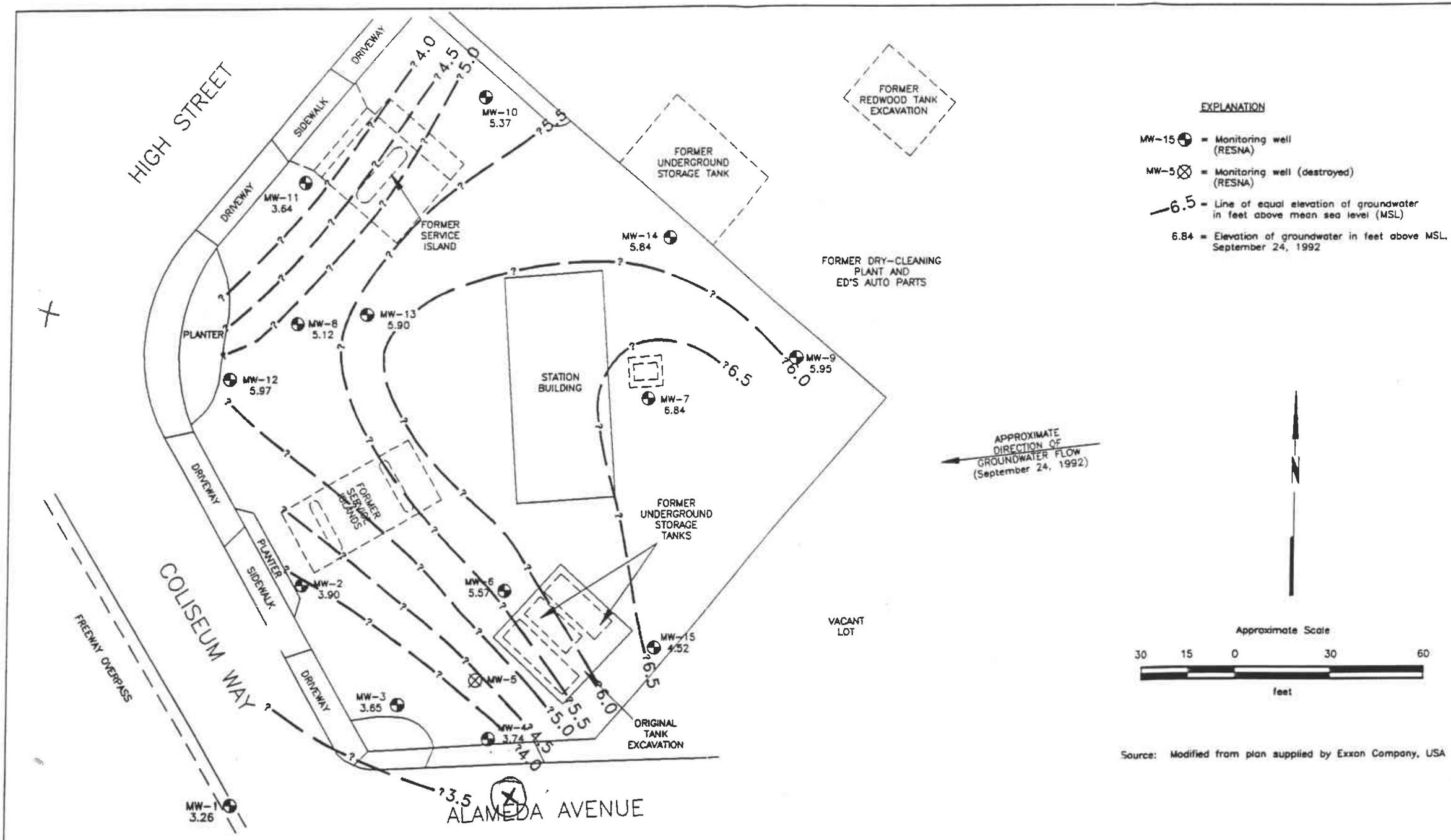
GENERALIZED SITE PLAN
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
2



EXPLANATION

MW-15 ⊕ = Monitoring well (RESNA)

MW-5 ⊗ = Monitoring well (destroyed) (RESNA)

6.5 = Line of equal elevation of groundwater in feet above mean sea level (MSL)

6.84 = Elevation of groundwater in feet above MSL, September 24, 1992

Source: Modified from plan supplied by Exxon Company, USA

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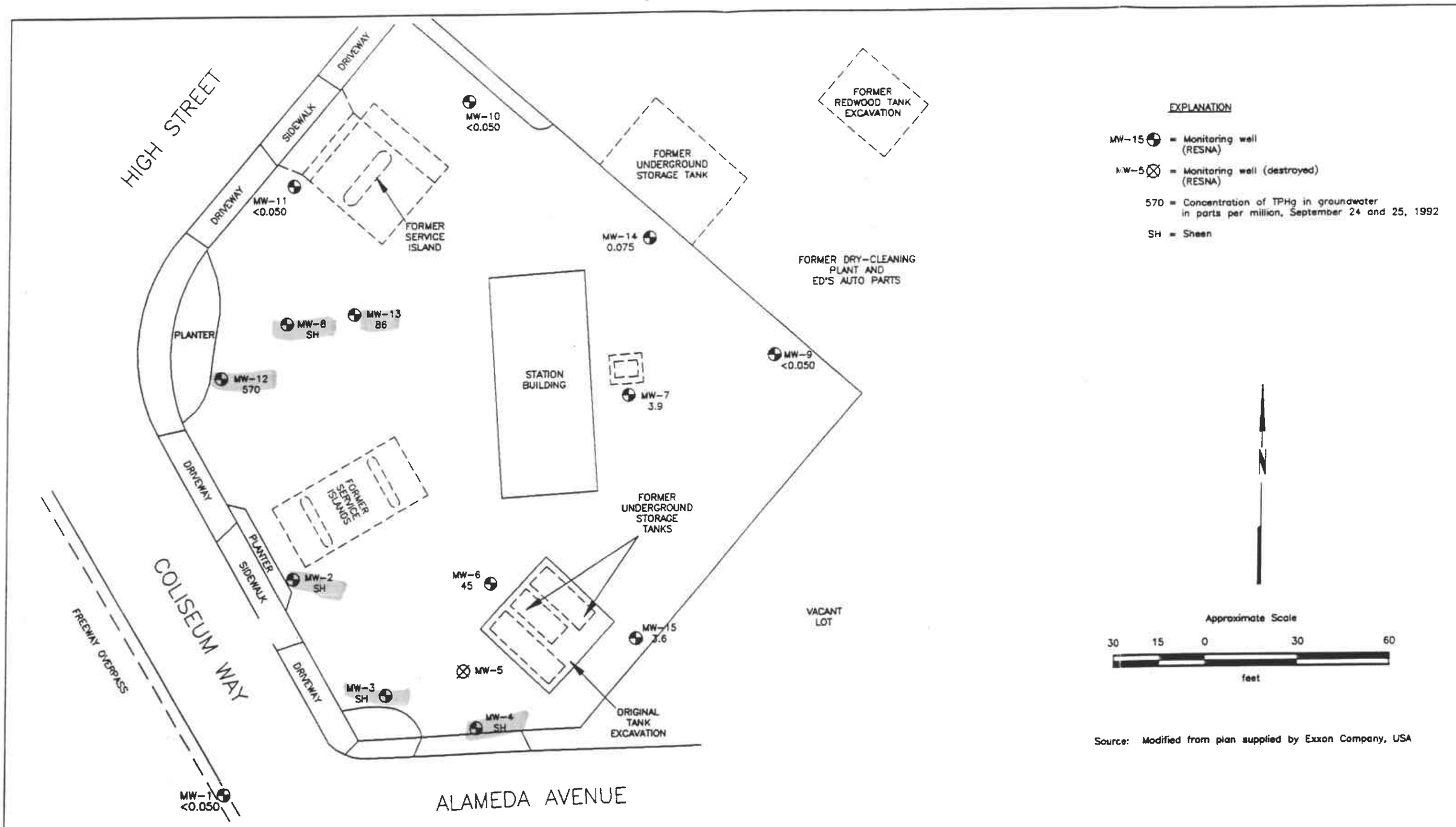
GROUNDWATER GRADIENT MAP
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
3



EXPLANATION

MW-15 ⊕ = Monitoring well (RESNA)

MW-5 ⊗ = Monitoring well (destroyed) (RESNA)

570 = Concentration of TPHg in groundwater in parts per million, September 24 and 25, 1992

SH = Sheen

N

Approximate Scale

30 15 0 30 60

feet

Source: Modified from plan supplied by Exxon Company, USA

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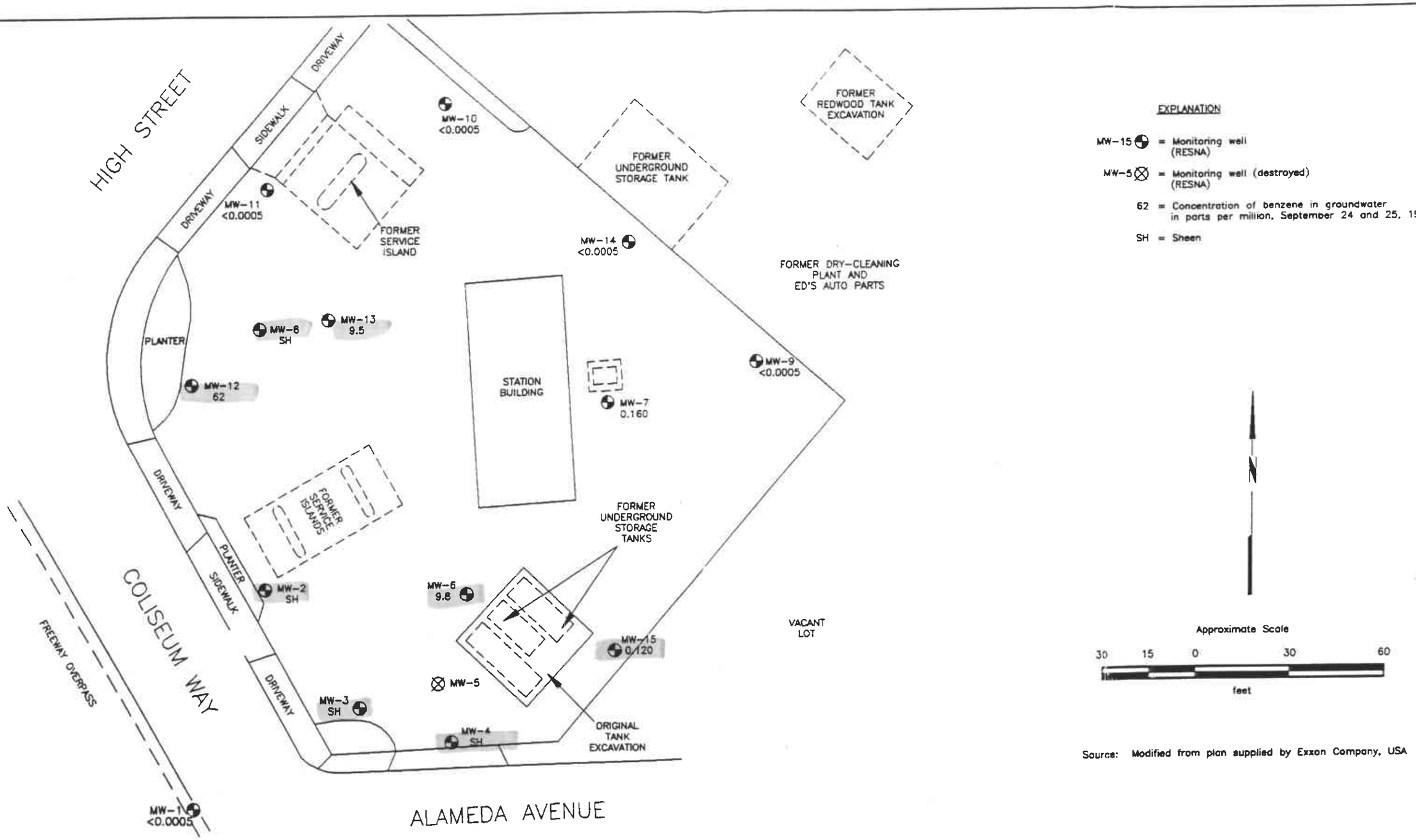
TPHg CONCENTRATIONS IN GROUNDWATER
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
4



Source: Modified from plan supplied by Exxon Company, USA

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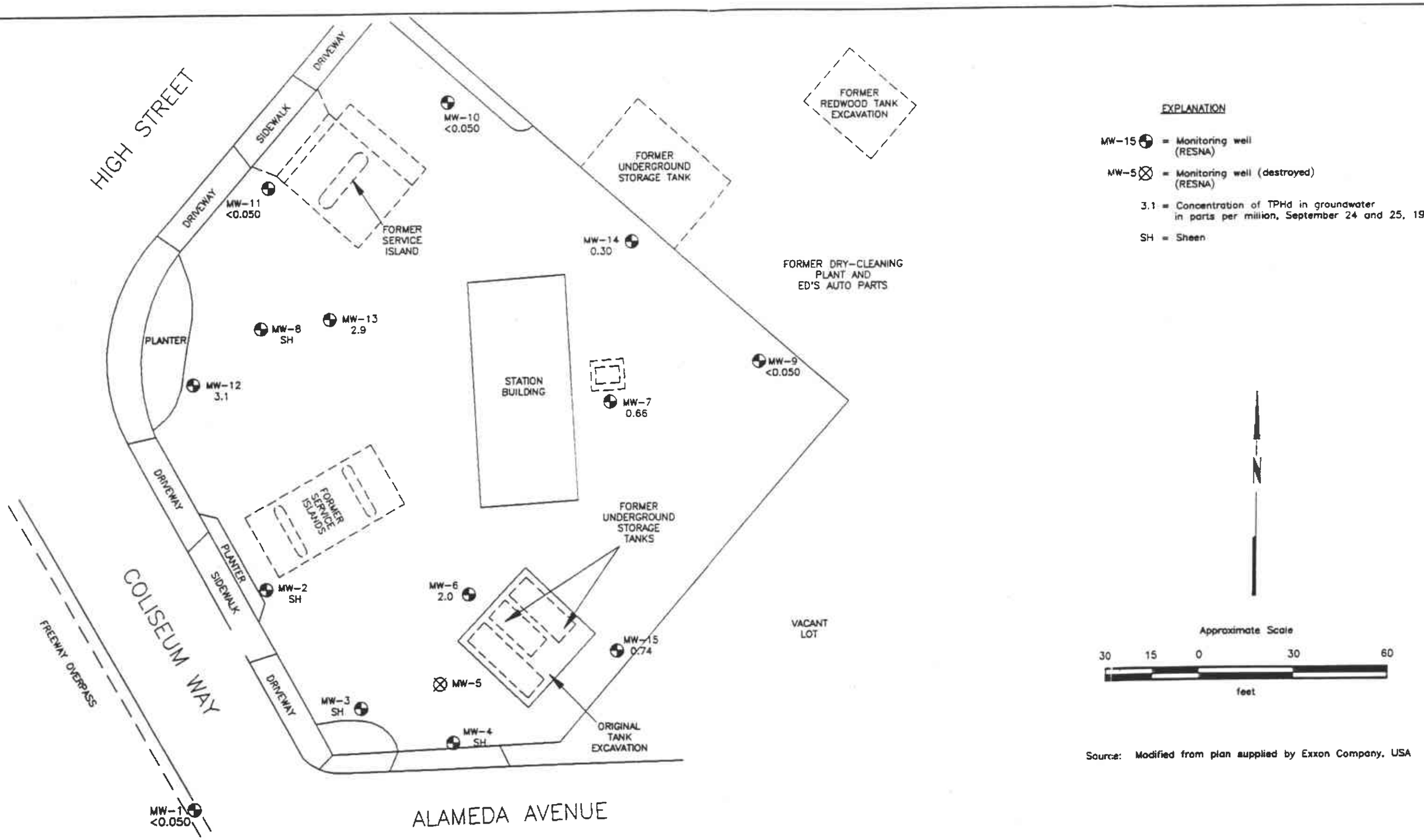
BENZENE CONCENTRATIONS IN GROUNDWATER
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
5



EXPLANATION

MW-15 ⊕ = Monitoring well (RESNA)

MW-5 ⊗ = Monitoring well (destroyed) (RESNA)

3.1 = Concentration of TPHd in groundwater in parts per million, September 24 and 25, 1992

SH = Sheen

N

Approximate Scale

30 15 0 30 60

feet

Source: Modified from plan supplied by Exxon Company, USA

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TPHd CONCENTRATIONS IN GROUNDWATER
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
6

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 1 of 9)

Well Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-1					
04/25/89	12.87	7.55	5.32	NONE	NONE
04/27/89		10.16	2.71	SHEEN	NONE
09/06/89		10.88	1.99	SHEEN	NONE
09/22/89		11.06	1.81	NONE	NONE
11/01/89		10.82	2.05	NONE	NONE
11/15/89		11.07	1.80	NONE	NONE
12/06/89		10.33	2.54	NONE	NONE
02/20/90		8.81	4.06	NONE	NONE
04/19/90		9.33	3.54	NONE	NONE
07/03/90		8.44	4.43	NONE	NONE
07/26/90		8.99	3.88	NONE	NONE
08/20/90		9.50	3.37	NONE	NONE
09/19/90		9.99	2.88	NONE	NONE
11/27/90		10.62	2.25	NONE	NONE
01/17/91		10.31	2.56	NONE	NONE
03/26/91		7.97	4.90	NONE	NONE
05/02/91		8.88	3.99	NONE	NONE
06/20/91		9.62	3.25	NONE	NONE
08/07/91		10.20	2.67	NONE	NONE
09/17/91		10.40	2.47	NONE	NONE
11/13/91		10.20	2.67	NONE	NONE
12/10/91		10.23	2.64	NONE	NONE
01/21/92		9.32	3.55	NONE	NONE
03/25/92		9.30	3.52	NONE	NONE
06/22/92		8.46	4.41	NONE	NONE
09/24/92		9.61	3.26	NONE	NONE
MW-2					
04/25/89	12.98	9.27 (7.54)	5.44	2.16	N/A
07/19/89		10.81 (9.56)	3.42	1.56	N/A
07/27/89		10.18 (10.08)	2.90	0.13	N/A
09/06/89		10.89 (10.82)	2.16	0.09	N/A
09/22/89		11.56 (11.11)	1.87	0.56	N/A
11/01/89		10.85 (10.78)	2.20	0.09	N/A
11/15/89		11.05 (10.96)	2.02	0.07	N/A
12/06/89		10.23 (10.13)	2.85	0.13	N/A
02/20/90		8.86 (8.66)	4.32	0.29	N/A
04/19/90		9.09 (9.09)	3.97	0.10	N/A
07/03/90		8.75 (8.71)	4.27	0.05	N/A
07/26/90		8.71 (8.63)	4.35	0.10	N/A
08/20/90		9.25 (9.23)	3.75	0.02	N/A

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 2 of 9)

Well / Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-2 (cont.)					
09/19/90		9.79 (9.77)	3.21	0.02	N/A
11/27/90		10.40 (10.34)	2.64	0.07	N/A
01/17/91		10.03 (9.99)	2.95	0.05	N/A
03/26/91		8.98 (8.92)	4.06	0.08	N/A
05/02/91		8.73 (8.71)	4.27	0.02	N/A
06/20/91		9.11 (9.09)	3.89	0.02	N/A
08/07/91		10.00 (9.97)	3.01	0.04	N/A
09/17/91		10.11 (10.09)	2.89	0.02	N/A
11/13/91		9.88 (9.86)	3.12	0.02	N/A
12/10/91		9.02 (9.00)	3.98	0.03	N/A
01/21/92		9.08 (9.06)	3.92	0.03	N/A
03/25/92		6.00 (5.98)	7.00	0.03	N/A
06/22/92		8.46 (8.45)	4.53	0.01	(bailed ½ cup)
09/24/92		9.08	3.90	SHEEN	N/A
MW-3					
04/25/89	12.94	7.57 (7.51)	5.43	0.08	N/A
07/19/89		10.33 (9.80)	3.14	0.66	N/A
07/27/89			covered by soil		
09/06/89		11.22 (11.16)	1.78	0.07	N/A
09/22/89		11.38 (11.16)	1.78	0.28	N/A
11/01/89		10.90 (10.89)	2.05	0.01	N/A
11/15/89		11.18 (11.04)	1.90	0.11	N/A
12/06/89		10.29	2.65	SHEEN	NONE
02/20/90		8.73 (8.70)	4.24	0.04	N/A
04/19/90		9.20 (9.13)	3.81	0.09	N/A
07/03/90		8.50 (8.48)	4.46	0.03	N/A
07/26/90		8.58 (8.55)	4.39	0.04	N/A
08/20/90		9.21 (9.20)	3.74	0.01	N/A
09/19/90		10.02 (9.74)	3.24	0.35	N/A
11/27/90		10.72 (10.38)	2.60	0.42	N/A
01/17/91		10.05 (9.97)	2.97	0.10	N/A
03/26/91		7.65 (7.57)	5.37	0.10	N/A
05/02/91		8.54 (8.52)	4.42	0.03	N/A
06/20/91		8.89 (8.87)	4.07	0.03	N/A
08/07/91		9.99 (9.97)	2.97	0.03	N/A
09/17/91		10.32 (10.14)	2.80	0.22	N/A
11/13/91		10.14 (9.95)	2.99	0.24	N/A
12/10/91		10.10 (10.01)	2.93	0.11	N/A
01/21/92		9.07 (9.02)	3.92	0.06	N/A

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 3 of 9)

Well / Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-3 (cont.)					
03/25/92		5.96 (5.93)	7.01	0.04	N/A
06/22/92		8.07 (8.05)	4.89	0.02	(bailed ½ cup)
09/24/92		9.29	3.65	SHEEN	N/A
MW-4					
04/25/89	12.77	7.26 (7.13)	5.64	0.16	N/A
07/19/89		10.32 (9.74)	3.03	0.72	N/A
07/27/89			covered by soil		
09/06/89		11.40 (11.34)	1.43	0.07	N/A
09/22/89		11.64 (11.49)	1.28	0.19	N/A
11/01/89		11.00	1.77	SHEEN	NONE
11/15/89		11.18 (11.10)	1.67	0.10	N/A
12/06/89		10.25	2.52	SHEEN	NONE
02/20/90		8.40	4.37	NONE	NONE
04/19/90		9.04 (9.02)	3.75	0.03	N/A
07/03/90		8.00	4.77	SHEEN	NONE
07/26/90		8.57 (8.54)	4.23	0.04	N/A
08/20/90		9.08 (9.07)	3.70	0.01	N/A
09/19/90		9.76 (9.74)	3.03	0.03	N/A
11/27/90		10.83 (10.76)	2.01	0.09	N/A
01/17/91		9.96 (9.80)	2.97	0.20	N/A
03/26/91		6.20 (6.13)	6.64	0.09	N/A
05/02/91		7.50 (7.47)	5.30	0.04	N/A
06/20/91		7.79 (7.76)	5.01	0.04	N/A
08/07/91		9.81 (9.77)	3.00	0.05	N/A
09/17/91		10.02 (9.94)	2.83	0.10	N/A
11/13/91		9.90 (9.80)	2.97	0.12	N/A
12/10/91		9.92 (9.84)	2.93	0.10	N/A
01/21/92		9.50 (9.44)	3.33	0.08	N/A
03/25/92		5.01 (4.99)	7.78	0.03	N/A
06/22/92		7.34 (7.32)	5.45	0.02	N/A (bailed ½ cup)
09/24/92		9.03	3.74	SHEEN	N/A
MW-5					
04/25/89		8.06	0.32	NONE	NONE
07/18/89			well destroyed		
MW-6					
04/25/89	14.27	8.02	6.25	NONE	NONE
09/06/89		13.64 (13.58)	0.69	0.08	N/A
09/22/89		13.79 (13.73)	0.54	0.07	N/A
11/01/89		12.78	1.49	SHEEN	NONE

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 4 of 9)

Well / Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-6 (cont.)					
11/15/89		12.91	1.36	SHEEN	NONE
12/06/89		11.84	2.43	NONE	NONE
02/20/90		9.08	5.19	NONE	NONE
04/19/90		9.72	4.55	NONE	NONE
07/03/90		8.00	6.27	NONE	NONE
07/26/90		8.70	5.57	NONE	NONE
08/20/90		9.62	4.65	NONE	NONE
09/19/90		10.25	4.02	SHEEN	NONE
11/27/90		10.82	3.45	SHEEN	NONE
01/17/91		9.93	4.34	NONE	NONE
03/26/91		8.45	5.82	NONE	NONE
05/02/91		8.90	5.37	NONE	NONE
06/20/91		9.47	4.80	SHEEN	NONE
08/07/91		10.10	4.17	SHEEN	NONE
09/17/91		10.21	4.06	SHEEN	NONE
11/13/91		9.62	4.65	SHEEN	NONE
12/10/91		9.59	4.68	SHEEN	NONE
01/21/92		9.25	5.02	SHEEN	NONE
03/25/92		6.88	7.39	NONE	NONE
06/22/92		7.38	6.89	NONE	NONE
09/24/92		8.70	5.57	NONE	NONE
MW-7					
04/25/89	14.84	8.66	6.18	NONE	NONE
09/06/89		11.72	3.12	SHEEN	NONE
09/22/89		11.89	2.95	NONE	NONE
12/06/89		10.46	4.38	NONE	NONE
02/20/90		8.44	6.40	NONE	NONE
04/19/90		9.54	5.30	NONE	NONE
07/03/90		7.45	7.39	NONE	NONE
07/26/90		8.08	6.76	NONE	NONE
08/20/90		8.82	6.02	NONE	NONE
09/19/90		9.01	5.83	NONE	NONE
11/27/90		9.54	5.30	NONE	NONE
01/17/91		8.50	6.34	NONE	NONE
03/26/91		5.92	8.92	NONE	NONE
05/02/91		7.72	7.12	NONE	NONE
06/20/91		8.19	6.65	NONE	NONE
08/07/91		8.70	6.14	NONE	NONE
09/17/91		8.77	6.07	NONE	NONE
11/13/91		8.51	6.33	NONE	NONE

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 5 of 9)

Well Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-7 (cont.)					
12/10/91		8.58	6.26	NONE	NONE
01/21/92		8.32	8.52	NONE	NONE
03/25/92		9.27	5.57	NONE	NONE
06/22/92		6.97	7.87	NONE	NONE
09/24/92		8.00	6.84	NONE	NONE
MW-8					
04/25/89	13.45	8.31 (7.78)	5.67	0.66	N/A
07/19/89		10.97 (9.97)	3.58	1.25	N/A
07/27/89		10.34 (10.28)	3.17	0.08	N/A
09/06/89		11.09 (10.95)	2.50	0.17	N/A
09/22/89		11.58 (11.29)	2.16	0.36	N/A
11/01/89		11.03	2.42	NONE	NONE
11/15/89		11.25 (11.24)	2.21	0.01	N/A
12/06/89		10.30	3.15	SHEEN	NONE
02/20/90		8.00 (7.99)	5.46	0.01	N/A
04/19/90		8.50	4.95	NONE	NONE
07/03/90		7.55	5.90	NONE	NONE
07/26/90		7.86	5.59	NONE	NONE
08/20/90		8.92	4.53	NONE	NONE
09/19/90		9.55	3.90	NONE	NONE
11/27/90		10.29 (10.28)	3.17	0.01	N/A
01/17/91		9.97	3.48	SHEEN	NONE
03/26/91		8.45	5.00	SHEEN	NONE
05/02/91		8.85	9.60	SHEEN	NONE
06/20/91		9.45	4.00	SHEEN	NONE
08/07/91		10.00	3.45	SHEEN	NONE
09/17/91		10.11	3.34	SHEEN	NONE
11/13/91		9.63	3.82	SHEEN	NONE
12/10/91		9.66	3.79	SHEEN	NONE
01/21/92		9.35	4.10	SHEEN	NONE
03/25/92		8.02	5.43	SHEEN	NONE
06/22/92		7.01	6.44	SHEEN	NONE
09/24/92		8.33	5.12	SHEEN	NONE
MW-9					
04/25/89	14.64	8.25	6.39	NONE	NONE
09/06/89			covered by soil		
09/22/89			covered by soil		
12/06/89		10.12	4.52	NONE	NONE
02/20/90		9.38	5.26	NONE	NONE
04/19/90		9.40	5.24	NONE	NONE

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 6 of 9)

Well Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-9 (cont.)					
07/03/90		8.79	5.85	NONE	NONE
07/26/90		8.70	5.94	NONE	NONE
08/20/90		9.09	5.55	NONE	NONE
09/19/90		9.52	5.12	NONE	NONE
11/27/90		9.89	4.75	NONE	NONE
01/17/91			covered by soil		
03/26/91			covered by soil		
05/02/91		9.10	5.54	NONE	NONE
06/20/91		8.76	5.88	NONE	NONE
08/07/91		9.37	5.27	NONE	NONE
09/17/91		9.57	5.07	NONE	NONE
11/13/91		9.46	5.18	NONE	NONE
12/10/91		9.30	5.34	NONE	NONE
01/21/92		9.68	4.96	NONE	NONE
03/25/92		8.93	5.71	NONE	NONE
06/22/92		7.45	7.19	NONE	NONE
09/24/92		8.69	5.95	NONE	NONE
MW-10					
12/06/89	14.05	10.46	3.59	NONE	NONE
02/20/90		8.12	5.93	NONE	NONE
04/19/90		8.54	5.51	NONE	NONE
07/03/90		7.88	6.17	NONE	NONE
07/26/90		8.19	5.86	NONE	NONE
08/20/90		10.33	3.72	NONE	NONE
09/19/90		9.49	4.56	NONE	NONE
11/27/90		9.89	4.16	NONE	NONE
01/17/91		9.19	4.86	NONE	NONE
03/26/91		7.48	6.57	NONE	NONE
05/02/91		8.16	5.84	NONE	NONE
06/20/91		8.75	5.30	NONE	NONE
08/07/91		9.53	4.52	NONE	NONE
09/17/91		9.72	4.33	NONE	NONE
11/13/91		10.02	4.03	NONE	NONE
12/10/91		9.12	4.93	NONE	NONE
01/21/92		8.31	5.74	NONE	NONE
03/25/92		5.70	8.35	NONE	NONE
06/22/92		7.50	6.55	NONE	NONE
09/24/92		8.68	5.37	NONE	NONE
MW-11					
12/06/89	13.55	10.62	2.93	NONE	NONE

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 7 of 9)

Well / Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-11 (cont.)					
02/20/90		9.20	4.35	NONE	NONE
04/19/90		9.80	3.75	NONE	NONE
07/03/90		8.90	4.65	NONE	NONE
07/26/90		9.36	4.19	NONE	NONE
08/20/90		9.90	3.65	NONE	NONE
09/19/90		10.39	3.16	NONE	NONE
11/27/90		10.97	2.58	NONE	NONE
01/17/91		10.76	2.79	NONE	NONE
03/26/91		8.80	4.75	NONE	NONE
05/02/91		9.38	4.17	NONE	NONE
06/20/91		10.16	3.39	NONE	NONE
08/07/91		10.69	2.86	NONE	NONE
09/17/91		10.80	2.75	NONE	NONE
11/13/91		10.44	3.11	NONE	NONE
12/10/91		10.48	3.07	NONE	NONE
01/21/92		10.10	3.45	NONE	NONE
03/25/92		7.30	6.25	NONE	NONE
06/22/92		9.02	4.53	NONE	NONE
09/24/92		9.91	3.64	NONE	NONE
MW-12					
12/06/89	12.61	8.00	4.61	NONE	NONE
02/20/90		6.33	6.28	NONE	NONE
04/19/90		7.18	5.43	NONE	NONE
07/03/90		7.41	5.20	NONE	NONE
07/26/90		6.54	6.07	NONE	NONE
08/20/90		7.23	5.28	NONE	NONE
09/19/90		7.77	4.84	NONE	NONE
11/27/90		8.15	4.46	NONE	NONE
01/17/91		8.06	4.55	NONE	NONE
03/26/91		7.21	5.40	NONE	NONE
05/02/91		7.60	5.01	SHEEN	NONE
06/20/91		8.02	4.59	SHEEN	NONE
08/07/91		8.25	4.36	SHEEN	NONE
09/17/91		8.20	4.41	SHEEN	NONE
11/13/91		7.77	4.84	SHEEN	NONE
12/10/91		7.75	4.86	SHEEN	NONE
01/21/92		7.08	5.53	SHEEN	NONE
03/25/92		4.93	7.68	SHEEN	NONE
06/22/92		6.04	6.57	SHEEN	NONE
09/24/92		6.94	5.67	NONE	NONE

See notes on page 9 of 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 8 of 9)

Well Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-13					
12/06/89	14.20	9.35	4.86	NONE	NONE
02/20/90		7.73	6.47	NONE	NONE
04/19/90		8.68	5.52	NONE	NONE
07/03/90		8.00	6.20	NONE	NONE
07/26/90		7.95	6.25	NONE	NONE
08/20/90		8.66	5.54	NONE	NONE
09/19/90		9.13	5.07	NONE	NONE
11/27/90		9.49	4.71	NONE	NONE
01/17/91		9.61	4.59	NONE	NONE
03/26/91		9.25	4.95	NONE	NONE
05/02/91		9.31	4.89	NONE	NONE
06/20/91		9.73	4.47	NONE	NONE
08/07/91		well not accessible			
09/17/91		9.72	4.48	NONE	NONE
11/13/91		9.06	5.14	NONE	NONE
12/10/91		9.04	5.16	NONE	NONE
01/21/91		8.41	5.79	NONE	NONE
03/25/92		5.72	8.48	SHEEN	NONE
06/22/92		7.31	6.89	SHEEN	NONE
09/24/92		8.30	5.90	NONE	NONE
MW-14					
11/27/90	15.18	9.88	5.30	NONE	NONE
01/17/91		9.13	6.05	NONE	NONE
03/26/91		8.51	6.67	NONE	NONE
05/02/91		8.45	6.73	NONE	NONE
06/20/91		8.38	6.80	NONE	NONE
08/07/91		9.04	6.14	NONE	NONE
09/17/91		9.14	6.04	NONE	NONE
11/13/91		8.83	6.35	NONE	NONE
12/10/91		8.90	6.28	NONE	NONE
01/21/92		8.58	6.60	NONE	NONE
03/25/92		6.15	9.03	NONE	NONE
06/22/92		7.70	7.48	NONE	NONE
09/24/92		9.34	5.84	NONE	NONE
MW-15					
11/27/90	13.73	8.67	5.06	NONE	NONE
01/17/91		8.03	5.70	NONE	NONE
03/26/91			covered by soil		
05/02/91		7.09	6.64	NONE	NONE
06/20/91		7.06	6.67	NONE	NONE

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 9 of 9)

Well Date	Elevation of Wellhead	Depth to-Water	Elevation of Groundwater	Floating Product	Product Removed
MW-15 (cont)					
08/07/91		7.59	6.14	NONE	NONE
09/17/91		7.89	5.84	NONE	NONE
11/13/91		9.07	4.66	NONE	NONE
12/10/91		8.60	5.13	NONE	NONE
01/21/92		9.15	4.58	NONE	NONE
03/25/92		8.10	5.63	NONE	NONE
06/22/92		5.80	7.93	NONE	NONE
09/24/92		7.21	6.52	NONE	NONE

N/A : Not applicable.
Casing elevations were surveyed by a certified surveyor, Ron Archer, to mean sea level.
- : Data not used in Groundwater Elevation Map.
(5.87) : Adjusted DTW for Floating Product

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 1 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-1									
05/88	W-11-MW1*	0.240	0.090	0.005	0.015	0.025	--	--	ND
12/89	W-11-MW1	0.63	0.012	0.0056	0.0037	0.025	0.24	--	--
04/90	W-09-MW1	<0.020	<0.0005	<0.00050	<0.00050	<0.00050	<0.10	--	--
07/90	W-11-MW1	0.13	0.006	<0.00050	<0.00050	<0.00050	0.16	--	--
11/90	W-10-MW1	<0.050	0.0007	<0.00050	<0.00050	<0.00050	<0.10	--	--
03/91	W-07-MW1	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
06/91	W-10-MW1	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
09/91	W-10-MW1	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--
12/91	W-10-MW1	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
03/92	W-9.3-MW1	<0.050	0.0015	<0.0005	<0.0005	<0.0005	<0.050	--	--
06/92	W-8.5-MW1	0.110	0.0049	0.0079	0.0037	0.021	0.075	--	--
09/92	W-10-MW1	<0.050	<0.0005	0.0006	<0.0005	<0.0005	<0.050	--	--
MW-2									
09/87	W-25-MW2	1.445	0.233	0.81	0.056	0.209	--	--	--
05/88	free product								
12/89	free product								
04/90	free product								
07/90	free product								
11/90	free product								
03/91	free product								
06/91	free product								

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 2 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-2 (cont)									
09/91	free product								
12/91	free product								
03/92	free product								
06/92	free product								
09/92	Sheen								
MW-3									
09/87	W-25-MW3	2.101	0.360	1.062	0.068	0.298	0.66	--	--
05/88	W-14-MW3	8.7	3.98	0.28	0.24	0.6	--	--	--
12/89	free product								
04/90	free product								
07/90	free product								
11/90	free product								
03/91	free product								
06/91	free product								
09/91	free product								
12/91	free product								
03/92	free product								
06/92	free product								
09/92	Sheen								

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 3 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-4									
09/87	W-25-MW4	0.925	0.070	0.007	0.010	0.016	0.74	--	--
05/88	free product								
12/89	free product								
04/90	free product								
07/90	emulsion								
11/90	free product								
03/91	free product								
06/91	free product								
09/91	free product								
12/91	free product								
03/92	free product								
06/92	free product								
09/92	Sheen								
MW-5									
09/87	W-25-MW5	26.66	0.56	1.71	1.58	7.15	37.22	--	--
05/88	free product								
07/89	well destroyed								

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 4 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-6									
05/88	W-15-MW6	29.3	12.82	0.55	1.44	5.50	--	--	--
12/89	W-18-MW6	9.0	0.37	0.013	0.0026	0.43	4.8	--	--
04/90	W-30-MW6	27	3.0	0.12	0.49	2.1	26	--	--
07/90	W-30-MW6	30	5.5	1.4	1.2	3.1	13	--	--
11/90	W-10-MW6	15	4.4	0.12	0.8	2.3	7.6	--	--
03/91	W-08-MW6	55	10	0.38	1.6	6.9	<0.10	--	--
06/91	sheen								
09/91	W-10-MW6	17	4.5	0.16	0.89	3.1	--	--	--
12/91	W-09-MW6	32.0	6.0	0.29	1.4	4.7	1.2	--	--
03/92	W-6.8-MW6	21.0	8.0	0.25	1.7	5.0	2.7	--	--
06/92	W-7.5-MW6	43.000	11.000	0.150	2.100	5.000	1.7	--	--
09/92	W-31-MW6	45.000	9.800	0.270	1.700	3.600	2.0	--	--
MW-7									
09/87	W-25-MW7	1.531	0.258	0.002	<0.002	0.042	2.79	--	ND
05/88	W-15-MW7	--	0.300**	<0.010**	<0.010**	<0.010**	0.190	--	ND
12/89	W-11-MW7	1.70	0.22	0.0053	0.0050	0.0086	2.5	<5	ND
04/90	W-10-MW7	2.7	0.22	0.0086	0.0070	0.020	3.5	--	ND
07/90	W-17-MW7	2.5	0.38	0.013	0.016	0.035	0.91	--	ND
11/90	W-09-MW7	2.3	0.63	0.016	0.032	0.029	1.3	--	0.0024■
03/91	W-06-MW7	3.5	0.42	0.018	0.017	0.027	<0.10	--	ND

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 5 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-7 (cont)									
06/91	W-08-MW7	3.1	0.27	0.0088	0.033	0.019	<0.10	--	--
09/91	W-09-MW7	2.4	0.39	0.01	0.015	0.018	--	--	--
12/91	W-08-MW7	1.7	0.29	0.0053	0.0071	<0.0005	0.53	--	--
03/92	W-9.2-MW-7	1.5	0.32	0.0072	0.016	0.019	0.76	--	--
06/92	W-7.0-MW7	3.100	0.260	0.0058	0.021	0.027	0.83	--	--
09/92	W-8-MW7	3.900	0.160	0.0046	0.0037	0.013	0.66	--	--
MW-8									
09/87	W-25-MW8	1.325	0.081	0.074	0.042	0.182	--	--	--
05/88	free product								
12/89	W-11-MW8	42	2.6	0.63	0.21	3.7	34	--	--
04/90	W-14-MW8	49	2.1	0.82	1.1	4.8	53	--	--
07/90	W-23-MW8	44	4.0	1.5	2.0	6.3	32	--	--
11/90	free product								
03/91	sheen								
06/91	sheen								
09/91	W-10-MW8	57	14	7.8	3.1	12	--	--	--
12/91	W-09-MW8	66	9.5	5.0	3.1	12	1.4	--	--
03/92	sheen								
06/92	sheen								
09/92	sheen								

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 6 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-9									
05/88	W-14-MW9	<0.05	<0.0005	0.001	<0.001	<0.001	--	--	ND
12/89	W-14-MW9	0.1	0.0018	0.0037	0.0014	0.0088	0.11	<5	ND
04/90	W-10-MW9	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	ND
07/90	W-10-MW9	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	ND
11/90	W-09-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	ND
03/91	covered by soil								
06/91	W-09-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
09/91	W-10-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--
12/91	W-09-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.052	--	--
03/92	W-8.9-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
06/92	W-7.5-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
09/92	W-9-MW9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
MW-10									
12/89	W-12-MW10	0.32	0.0037	0.014	0.0056	0.032	<0.10	--	--
04/90	W-09-MW10	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	ND
07/90	W-11-MW10	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	--
11/90	W-09-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
03/91	W-07-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
06/91	W-09-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 7 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-10 (cont)									
09/91	W-10-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
12/91	W-9-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
03/92	W-5.7-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
06/92	W-7.5-MW10	<0.050	<0.0005	0.0006	<0.0005	0.0008	<0.050	--	--
09/92	W-8-MW10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
MW-11									
12/89	W-11-MW11	0.078	0.0059	0.00063	<0.0005	48	<0.10	--	--
04/90	W-12-MW11	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	--
07/90	W-12-MW11	<0.020	<0.00050	<0.00050	<0.00050	<0.00050	<0.10	--	--
11/90	W-10-MW11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
03/91	W-08-MW11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
06/91	W-10-MW11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
09/91	W-11-MW11	<0.050	<0.0005	0.0007	<0.0005	<0.0005	--	--	--
12/91	W-10-MW11	<0.050	0.0007	<0.0005	<0.0005	<0.0005	<0.050	--	--
03/92	W-7.3-MW11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
06/92	W-9.0-MW11	0.084	0.0015	0.0031	0.0014	0.0096	0.057	--	--
09/92	W-10-MW11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--
MW-12									
12/89	W-08-MW12	85	6.7	6.3	1.8	7.8	40	--	--
04/90	W-07-MW12	110	6.6	7.4	1.8	11	97	--	--

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
(Page 8 of 10)

Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-12 (cont)									
07/90	W-08-MW12	92	11	11	3.1	13	50	--	--
11/90	W-08-MW12	69	11	10	3.1	12	31	--	--
03/91	W-08-MW12	100	15	16	2.4	11	<0.10	--	--
06/91	sheen								
09/91	W-08-MW12	82	22	18	3.9	16	--	--	--
12/91	W-07-MW12	99	18	16	3	11	1.7	--	--
03/92	sheen								
06/92	sheen								
09/92	W-7-MW12	570.000	62.000	46.000	15.000	57.000	3.1	--	--
MW-13									
12/89	W-10-MW13	52	2.1	2.0	1.4	6.1	31	--	--
04/90	W-09-MW13	59	1.8	1.5	1.4	7.2	54	--	--
07/90	W-10-MW13	53	4.5	3.1	2.2	7.8	26	--	--
11/90	W-09-MW13	20	4.5	1.1	0.88	3.3	1.6	--	--
03/91	W-09-MW13	72	10	8.3	1.7	6.9	<0.10	--	--
06/91	W-10-MW13	44	5.6	3.1	0.75	2.6	<0.10	--	--
09/91	W-10-MW13	40	11	6.5	2.4	8.1	--	--	--
12/91	W-09-MW13	72	11	7.4	2.5	9.4	3.7	--	--
03/92	sheen								
06/92	sheen								
09/92	W-8-MW13	86.000	9.5	6.1	2.4	10.0	2.9	--	--

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
720 High Street
Oakland, California
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Date	Sample No.	TPHg ppm	B ppm	T ppm	E ppm	X ppm	TPHd ppm	TOG ppm	VOC ppm
MW-14									
11/90	W-09-MW14	0.39	<0.0005	<0.0005	0.0036	0.0037	0.12	--	--
03/91	W-07-MW14	0.20	<0.0005	0.0015	0.0008	0.0036	<0.10	--	--
06/91	W-08-MW14	0.11	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	--	--
09/91	W-09-MW14	0.45	<0.0005	<0.0005	0.0032	0.0023	--	--	--
12/91	W-08-MW14	0.071	0.0005	<0.0005	<0.0005	<0.0005	0.28	--	--
03/92	W-6.1-MW14	0.061	<0.0005	<0.0005	<0.0011	<0.0005	0.64	--	--
06/92	W-7.5-MW14	0.140	<0.0005	<0.0005	0.0006	0.0020	0.35	--	--
09/92	W-10-MW14	0.075	<0.0005	<0.0005	<0.0005	<0.0005	0.30	--	--
MW-15									
11/90	W-08-MW15	2.7	0.21	0.0055	0.6	0.25	0.34	--	--
03/91	covered by soil								
06/91	W-07-MW15	0.38	<0.0005	<0.0005	<0.0005	0.0013	<0.10	--	--
09/91	W-08-MW15	0.49	0.0029	0.0017	0.033	0.0013	--	--	--
12/91	W-08-MW15	1.6	0.014	0.0011	0.066	0.0098	0.30	--	--
03/92	W-8.1-MW15	3.4	0.15	0.013	0.69	0.25	1.4	--	--
06/92	W-6.0-MW15	6.6	0.099	<0.0005	0.670	0.180	0.86	--	--
09/92	W-11-MW15	3.600	0.120	0.007	0.480	0.047	0.74	--	--
MCLs:		-.-	0.001	---	0.680	1.750	---	--	--
DWALs:		-.-	---	0.100	---	---	---	--	--

See notes on page 10 of 10.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
Exxon Station 7-3006
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<	:	Less than the laboratory detection limit
( )	:	BTEX from EPA Method 624
B: Benzene, T: Toluene, E: Ethylbenzene, X: Total Xylene isomers		
BTEX	:	Analyzed by EPA method 5030/8020
TPHg	:	Total petroleum hydrocarbons as gasoline by EPA method 5030/8015
TPHd	:	Total petroleum hydrocarbons as diesel by EPA method 3510/8015
TOG	:	Total Oil and Grease by Standard Method 5520 B/F
MCL	:	Adopted Maximum Contaminant Levels in Drinking Water, CDHS (October 1990)
DWAL	:	Recommended Drinking Water Action Levels, CDHS (October 1990)
ND	:	No VOC detected other than BTEX
▪	:	Chloromethane
*	:	W-08-MW15 = water sample - depth - well number
**	:	Analyzed by Environmental Protection Agency Method 624 (volatile organic compounds)

APPENDIX A

GROUNDWATER SAMPLING PROTOCOL, WELL PURGE DATA SHEETS, AND STABILIZATION GRAPHS

GROUNDWATER SAMPLING PROTOCOL

The static water level in each well that contained groundwater was measured with a Solinst® water-level indicator; this instrument is accurate to the nearest 0.01 foot. To calculate the differences in groundwater elevations, these groundwater depths were subtracted from wellhead elevations measured initially on December 13, 1989, by licensed land surveyor Ron Archer, Civil Engineer, Inc., of Pleasanton, California.

Groundwater samples collected for subjective evaluation were collected by gently lowering approximately half the length of a clean Teflon® bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples were checked for measurable floating hydrocarbon product.

Before water samples were collected from the groundwater monitoring wells, the wells were purged until stabilization of the temperature, pH, and conductivity was obtained. Approximately three to four well casing volumes were purged before those characteristics stabilized. The quantity of water purged from the wells was calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (well depth - DTW)
7.48	=	conversion constant from cubic feet to gallons

gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well was allowed to recharge to the approximate initial water level. Groundwater samples were then collected with an EPA approved Teflon® sampler which had been cleaned with Alconox® and deionized water. The water samples were carefully poured into 40-milliliter glass vials, which were filled so as to produce a positive meniscus. Each sample container was preserved with hydrochloric acid, sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace which would allow volatilization to occur. The samples were promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

WELL PURGE DATA SHEET

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Project Name: Exxon 3006 Job No. 87042.11

Date: September 25, 1992 Page 1 of 1

Well No. MW-1 Time Started 11:10

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:10	Start purging MW-1				
11:10	0	71.5	6.61	10.66	>200
11:15	10	67.9	7.08	9.61	34.3
11:21	20	67.7	7.02	9.51	11.4
11:28	30	67.3	6.96	9.52	4.2
11:36	40	67.0	7.01	9.44	3.3
11:43	50	66.9	7.04	9.45	6.8
11:49	60	67.1	6.94	9.44	7.4
	Stop purging MW-1				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	29.00
Depth to Water - initial (feet) :	9.61
Depth to Water - final (feet) :	10.21
% recovery :	96.9%
Time Sampled :	
Gallons per Well Casing Volume :	12.66
Gallons Purged :	60.0
Well Casing Volume Purged :	4.74
Approximate Pumping Rate (gpm) :	1.53

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WELL PURGE DATA SHEET

Project Name: Exxon 3006 Job No. 87042.11

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Well No. MW-6 Time Started 12:13

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
12:13	Start purging MW-6				
12:13	0	72.2	6.59	1.32	>200
12:26	10	73.7	7.13	1.36	19.1
	17	DRY			
13:10	20	74.1	6.62	1.33	7.8
	25	DRY			
14:07	30	73.9	6.64	1.35	8.5
	31	DRY			
14:32	35	74.3	6.67	1.38	9.3
	Stop purging MW-9				

Notes:

Well Diameter (inches)	4"
Depth to Bottom (feet)	34.8
Depth to Water - initial (feet)	8.70
Depth to Water - final (feet)	31.70
% recovery	11.9%
Time Sampled	
Gallons per Well Casing Volume	17.03
Gallons Purged	35.0
Well Casing Volume Purged	2.05
Approximate Pumping Rate (gpm)	0.25

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WELL PURGE DATA SHEET

Project Name: Exxon 3006 Job No. 87042.11

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Well No. MW-7 Time Started 14:30

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
14:30	Start purging MW-7				
14:30	0	71.9	7.51	4.51	20.2
14:34	5	73.0	6.99	4.48	8.1
14:36	10	74.0	6.98	4.47	2.6
14:41	20	72.8	7.11	4.49	19.8
14:47	30	73.1	7.23	4.58	7.8
14:55	40	72.0	7.51	4.58	41.3
15:08	50	70.7	7.57	4.83	26.4
15:14	54	DRY			
15:23	60	71.1	7.58	4.63	40.2
	Stop purging MW-7				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	34.5
Depth to Water - initial (feet) :	8.00
Depth to Water - final (feet) :	8.09
% recovery :	99.7%
Time Sampled :	
Gallons per Well Casing Volume :	17.28
Gallons Purged :	60.0
Well Casing Volume Purged :	3.47
Approximate Pumping Rate (gpm) :	1.13

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WELL PURGE DATA SHEET

Project Name: Exxon 3006 Job No. 87042.11

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Well No. MW-9 Time Started 11:40

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:40	Start purging MW-9				
11:40	0	73.9	6.23	7.78	8.5
11:50	10	73.3	6.83	7.74	6.5
11:57	20	71.4	6.72	7.70	8.8
12:04	29	DRY			
12:19	30	69.0	6.90	7.46	9.1
12:20	32	DRY			
12:40	37	DRY			
13:44	40	70.8	6.98	7.68	57.4
13:51	50	71.2	6.96	7.84	198.4
14:03	60	70.1	7.02	7.58	118.3
	Stop purging MW-9				

Notes:

Well Diameter (inches)	4"
Depth to Bottom (feet)	31.6
Depth to Water - initial (feet)	8.69
Depth to Water - final (feet)	9.06
% recovery	98.4%
Time Sampled	12:30
Gallons per Well Casing Volume	14.95
Gallons Purged	60.0
Well Casing Volume Purged	4.01
Approximate Pumping Rate (gpm)	0.42

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WELL PURGE DATA SHEET

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Well No. MW-10 Time Started 12:18

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
12:18	Start purging MW-10				
12:18	0	75.9	6.05	5.19	112.9
12:22	5	72.4	6.53	4.58	17.1
12:29	10	72.6	6.75	4.80	6.4
12:36	15	72.6	7.28	4.94	5.6
12:43	20	70.8	7.19	4.75	4.9
12:48	25	70.2	6.86	4.72	12.8
12:57	30	69.7	6.95	4.78	19.3
13:03	32	DRY			
13:15	35	74.1	7.67	5.00	>200
	37	DRY			
13:35	40	71.6	7.52	4.75	21.7
	41	DRY			
13:49	45	71.5	7.56	4.80	157.5
	Stop purging MW-14				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	24.9
Depth to Water - initial (feet) :	8.68
Depth to Water - final (feet) :	8.82
% recovery :	99.1%
Time Sampled :	13:00
Gallons per Well Casing Volume :	10.59
Gallons Purged :	45.0
Well Casing Volume Purged :	4.25
Approximate Pumping Rate (gpm) :	0.49

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WELL PURGE DATA SHEET

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Well No. MW-11 Time Started 13:58

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
13:58	Start purging MW-11				
13:58	0	72.2	7.25	6.80	>200
14:05	5	72.1	7.18	6.32	36.1
14:11	10	71.4	7.36	6.26	104.5
14:19	15	71.6	7.53	6.48	54.7
14:26	20	71.4	7.34	6.48	>200
14:34	25	71.7	7.37	6.53	31.6
14:45	30	71.1	7.39	6.42	12.7
14:57	35	72.3	7.45	6.47	11.9
15:05	40	71.8	7.41	6.43	51.4
15:18	45	71.4	7.48	6.38	16.2
15:27	50	71.5	7.44	6.34	15.9
15:35	55	71.7	7.41	6.32	14.5
	Stop purging MW-11				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	30.1
Depth to Water - initial (feet) :	9.91
Depth to Water - final (feet) :	10.21
% recovery :	98.5%
Time Sampled :	13:40
Gallons per Well Casing Volume :	13.18
Gallons Purged :	55.0
Well Casing Volume Purged :	4.17
Approximate Pumping Rate (gpm) :	1.8

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WELL PURGE DATA SHEET

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Well No. MW-12 Time Started 13:36

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
13:36	Start purging MW-12				
13:36	0	77.1	7.23	7.94	>200
13:42	5	76.9	6.60	7.97	8.1
13:51	10	77.6	6.62	8.25	7.3
13:59	15	77.1	6.81	8.23	5.7
14:04	20	77.8	6.65	8.36	4.9
14:11	25	77.4	6.61	8.42	4.5
	Stop purging MW-12				

Notes:

Well Diameter (inches) : 4"
Depth to Bottom (feet) : 14.4
Depth to Water - initial (feet) : 6.94
Depth to Water - final (feet) : 7.13
% recovery : 97.4%
Time Sampled :
Gallons per Well Casing Volume : 4.87
Gallons Purged : 25.0
Well Casing Volume Purged : 5.13
Approximate Pumping Rate (gpm) : 0.71

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WELL PURGE DATA SHEET

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Date: September 24, 1992 Page 1 of 1

Well No. MW-13 Time Started 12:08

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
12:08	Start purging MW-13				
12:08	0	73.1	7.32	9.52	5.9
12:12	5	75.4	6.83	8.66	4.8
12:14	8	DRY			
13:00	10	76.1	7.22	7.80	4.1
	12	DRY			
13:12	15	75.2	7.19	8.63	12.3
	17	DRY			
13:27	20	75.9	7.16	7.85	13.7
	Stop purging MW-13				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	15.0
Depth to Water - initial (feet) :	8.30
Depth to Water - final (feet) :	8.42
% recovery :	98.2%
Time Sampled :	
Gallons per Well Casing Volume :	4.37
Gallons Purged :	20.0
Well Casing Volume Purged :	4.57
Approximate Pumping Rate (gpm) :	0.49

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WELL PURGE DATA SHEET

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Well No. MW-14 Time Started 13:00

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
13:00	Start purging MW-14				
13:00	0	71.7	7.28	8.08	4.8
13:03	5	73.6	6.97	8.41	4.7
13:08	10	73.4	6.96	6.34	7.5
13:09	11	DRY			
14:18	15	72.9	6.95	8.37	80.1
15:57	20	75.4	7.35	7.04	79.7
9/25					
11:10	25	76.3	7.32	7.01	8.9
	Stop purging MW-14				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	17.4
Depth to Water - initial (feet) :	9.34
Depth to Water - final (feet) :	10.87
% recovery :	81.0%
Time Sampled :	13:25
Gallons per Well Casing Volume :	5.26
Gallons Purged :	25.0
Well Casing Volume Purged :	4.75
Approximate Pumping Rate (gpm) :	0.14

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WELL PURGE DATA SHEET

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Well No. MW-15 Time Started 15:41

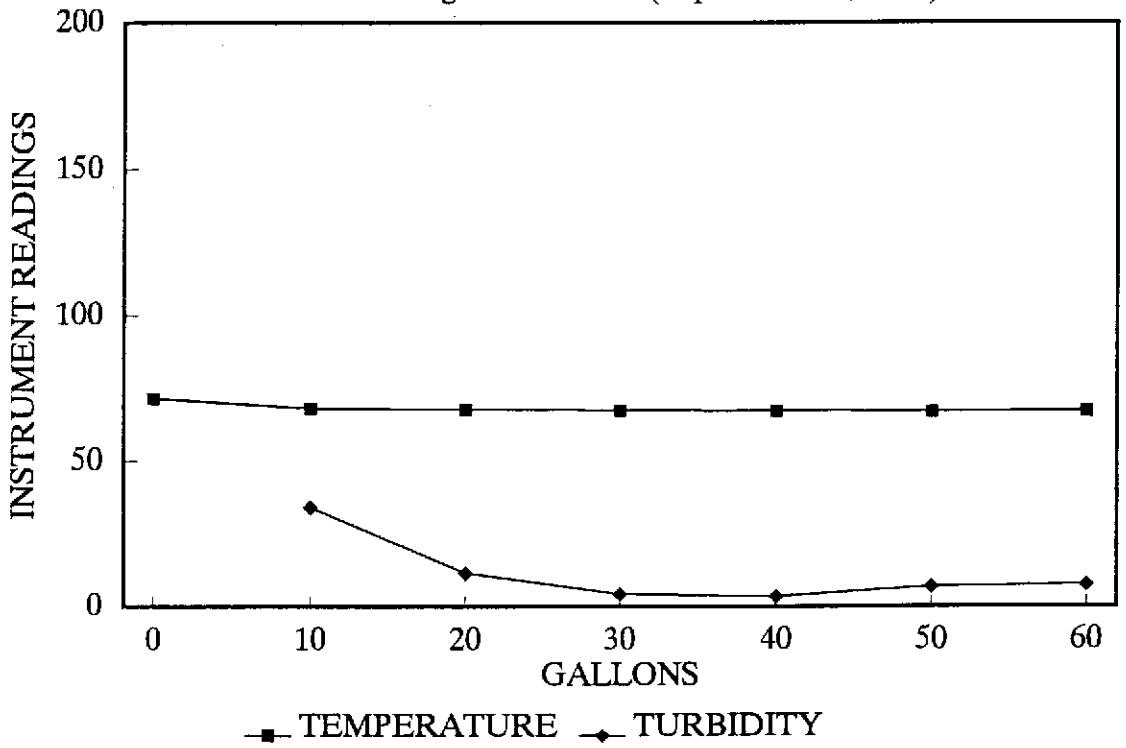
TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
15:41	Start purging MW-15				
15:41	0	71.7	6.98	13.45	136.3
15:44	5	72.3	6.64	13.62	3.0
15:47	10	71.7	6.93	13.66	6.3
15:48	11	DRY			
9/25					
11:22	15	72.3	6.89	11.44	18.7
11:29	20	71.4	6.86	11.37	11.4
11:40	25	70.1	6.89	11.29	25.6
	26	DRY			
11:55	30	69.7	6.92	11.31	22.1
	Stop purging MW-15				

Notes:

Well Diameter (inches) :	4"
Depth to Bottom (feet) :	16.7
Depth to Water - initial (feet) :	7.21
Depth to Water - final (feet) :	11.80
% recovery :	51.6%
Time Sampled :	
Gallons per Well Casing Volume :	6.19
Gallons Purged :	30.0
Well Casing Volume Purged :	4.84
Approximate Pumping Rate (gpm) :	0.75

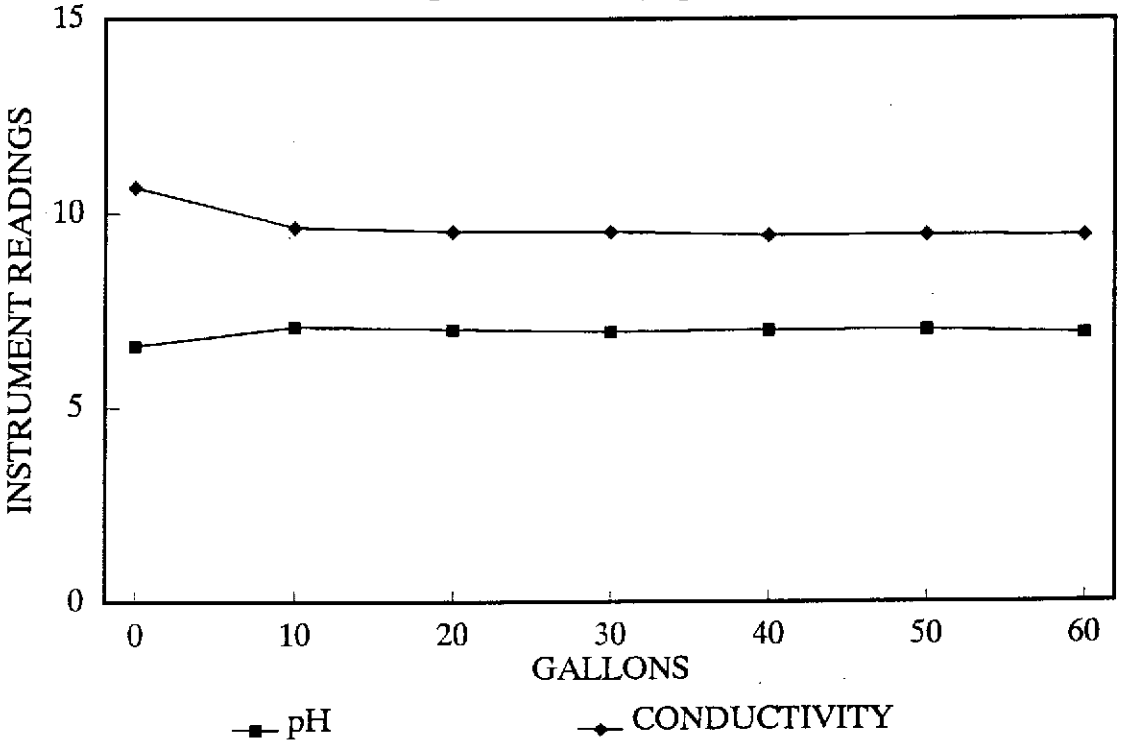
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–1 (September 25, 1992)



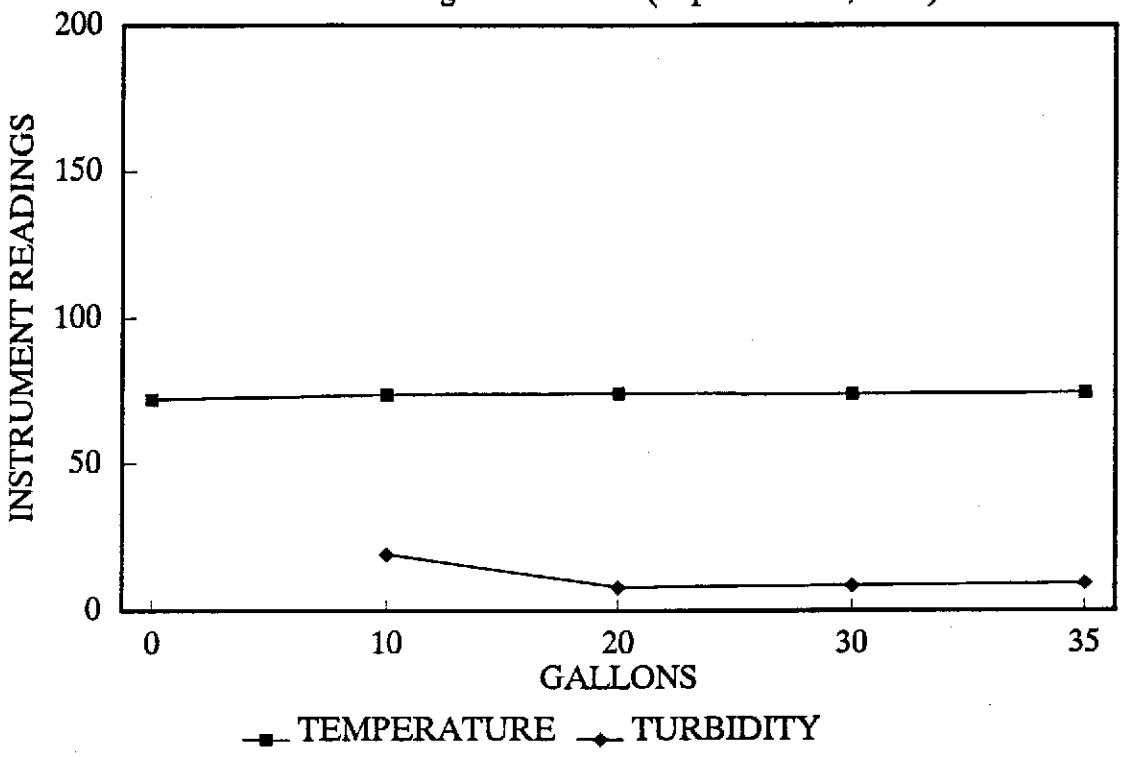
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–1 (September 25, 1992)



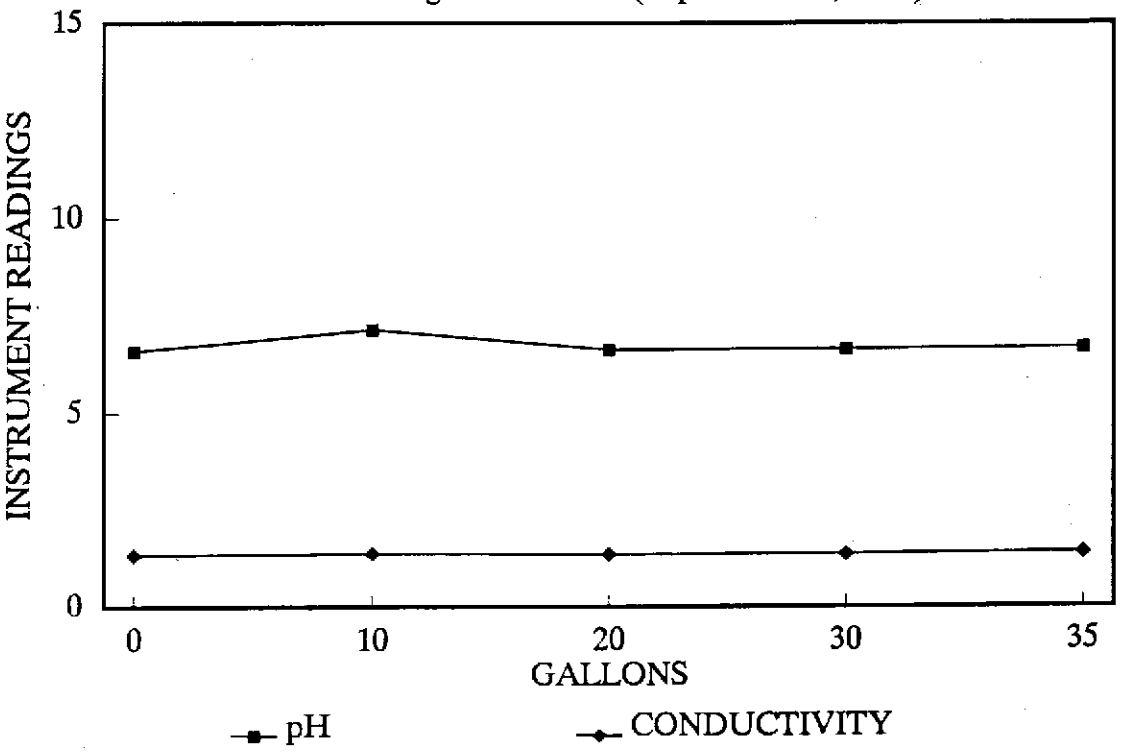
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–6 (September 24, 1992)



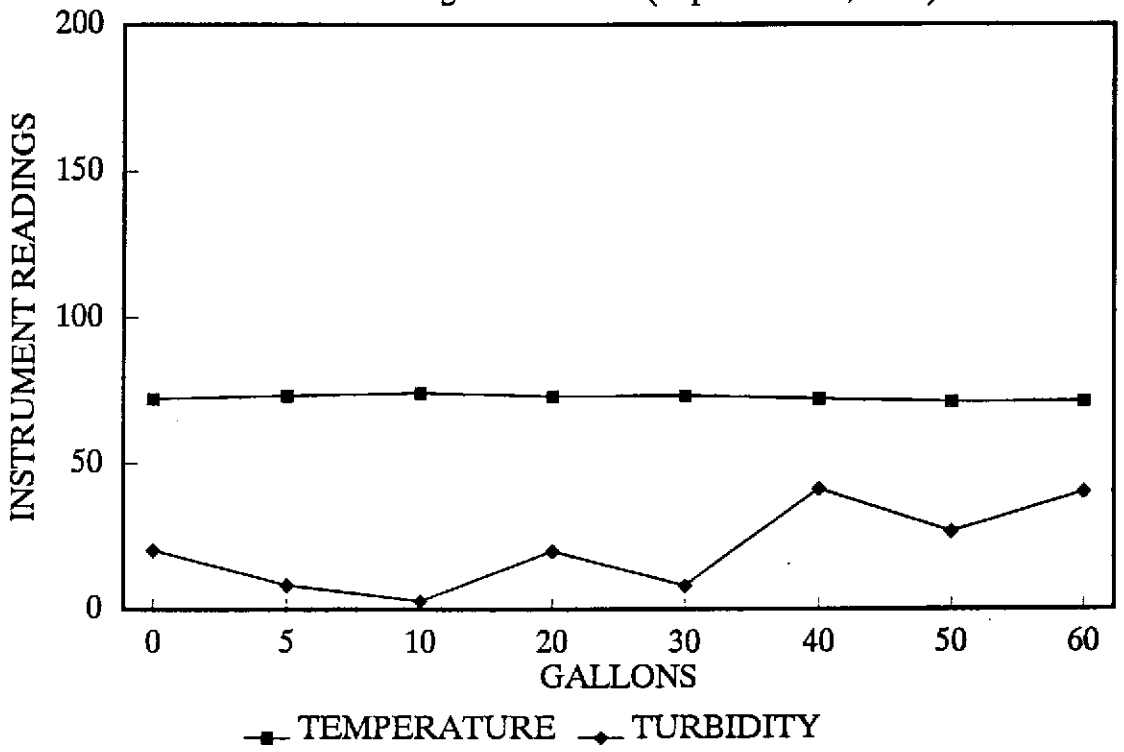
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–6 (September 24, 1992)



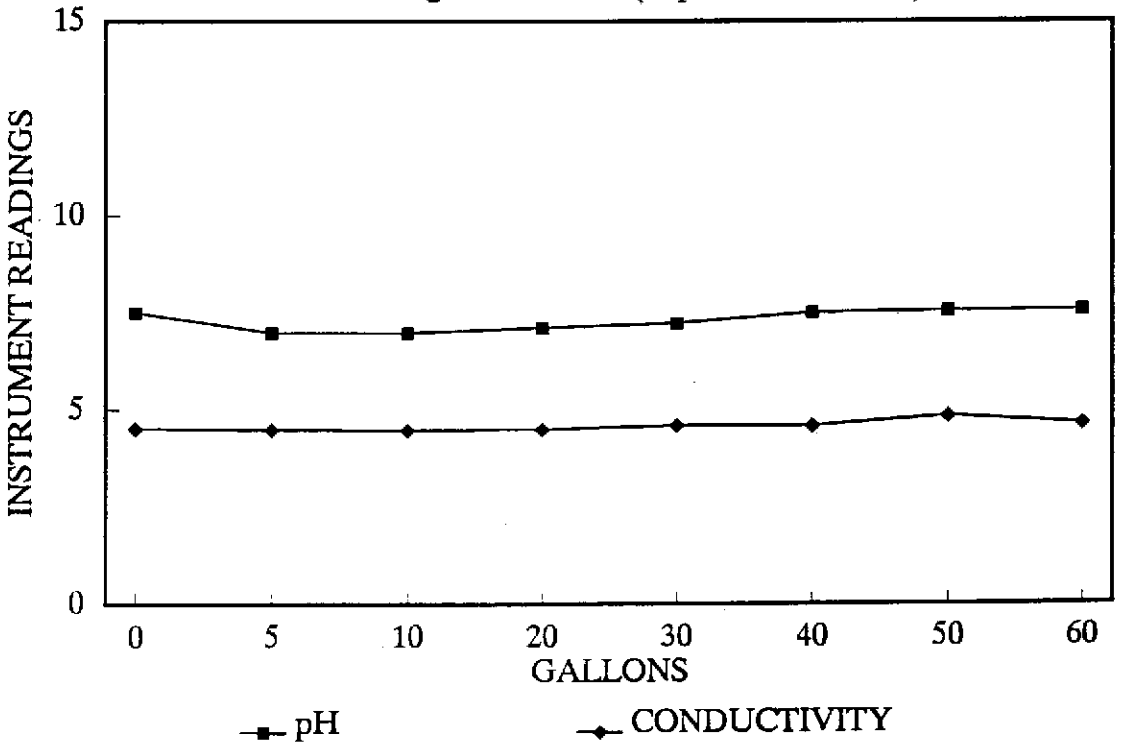
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW-7 (September 24, 1992)



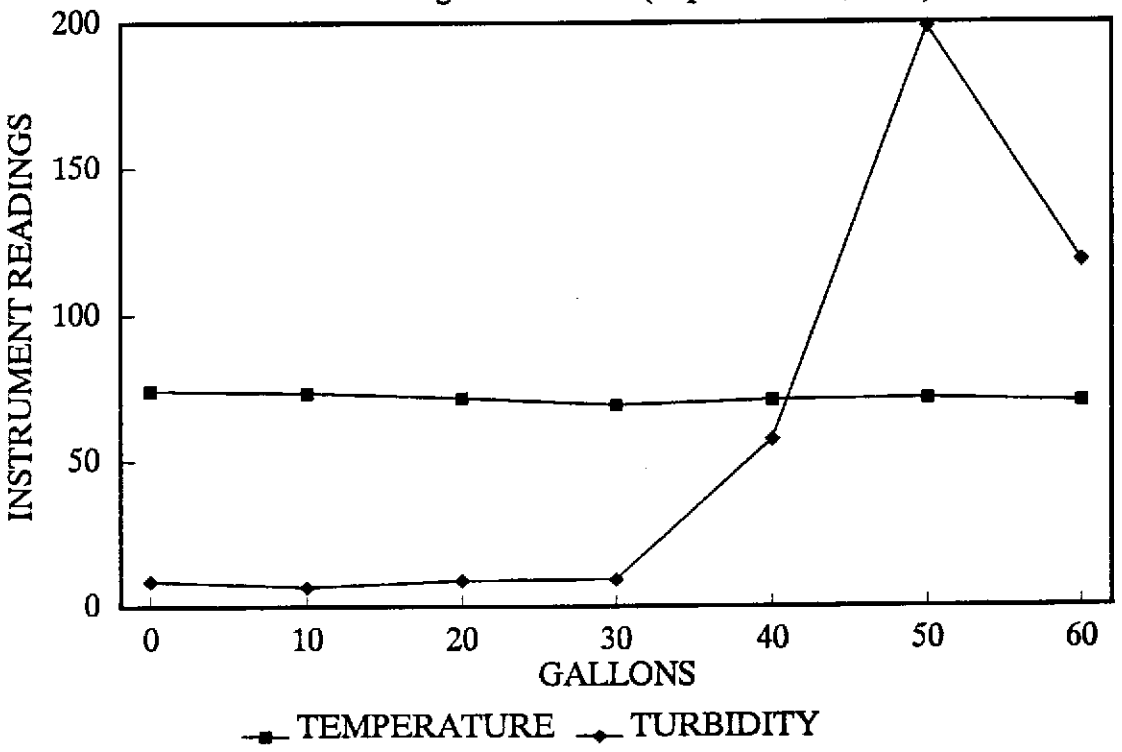
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW-7 (September 24, 1992)



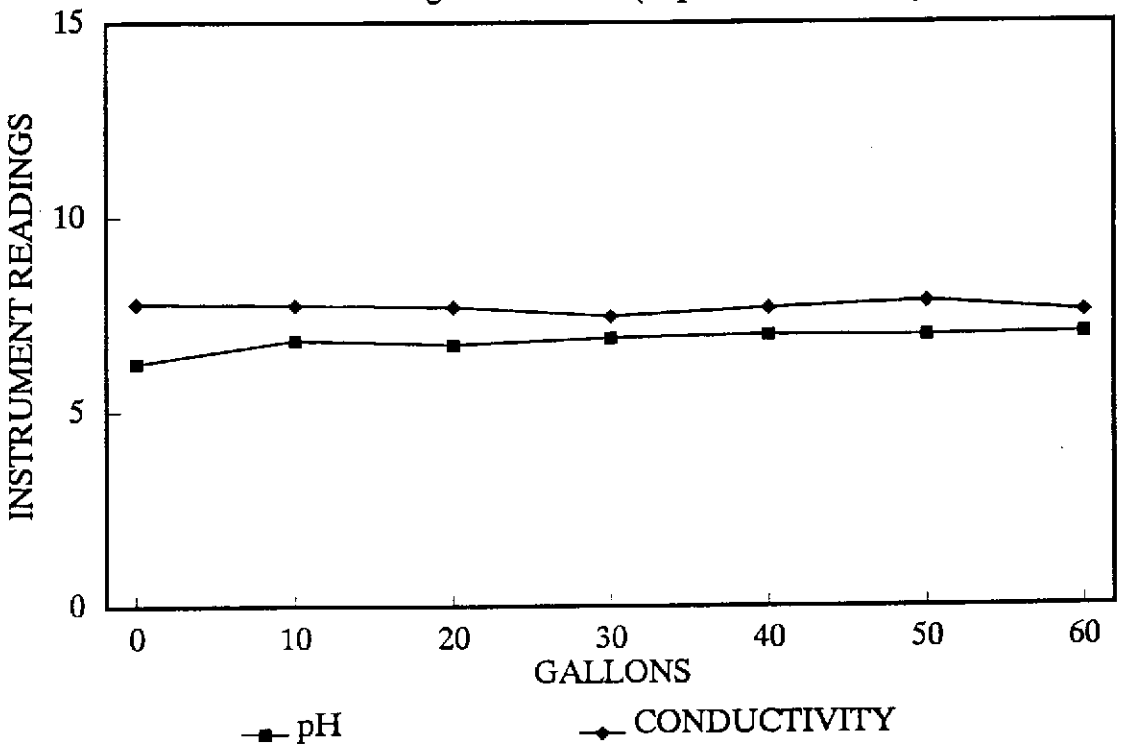
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–9 (September 24, 1992)



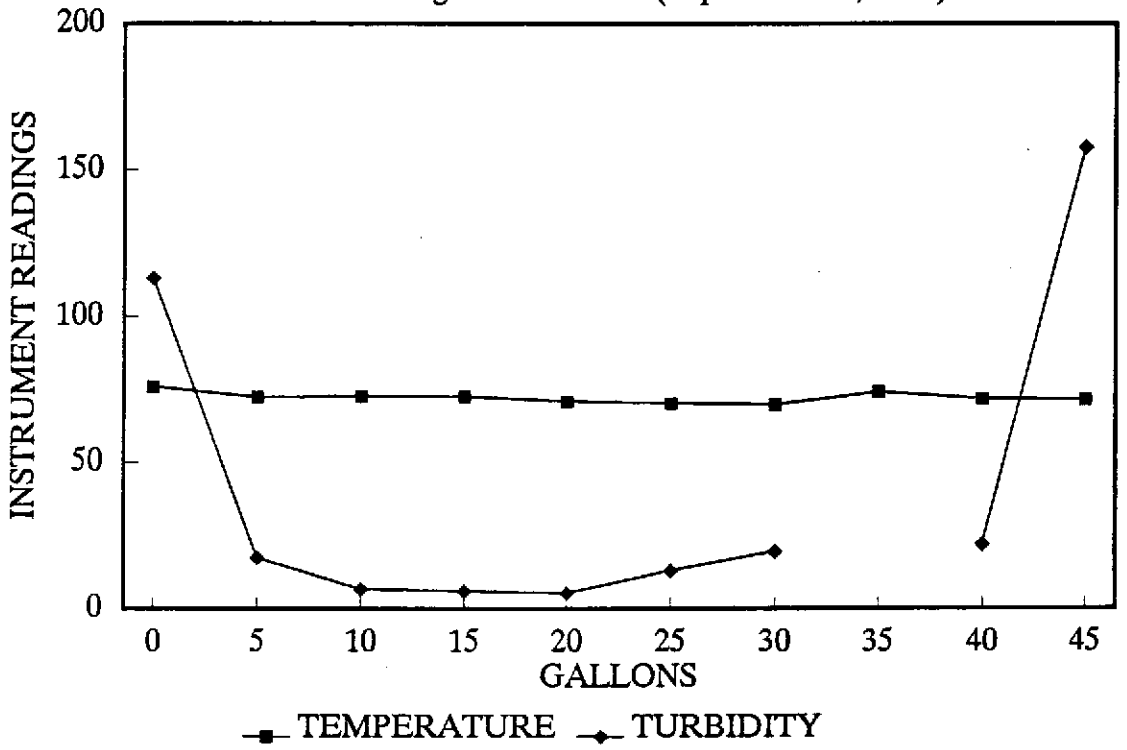
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–9 (September 24, 1992)



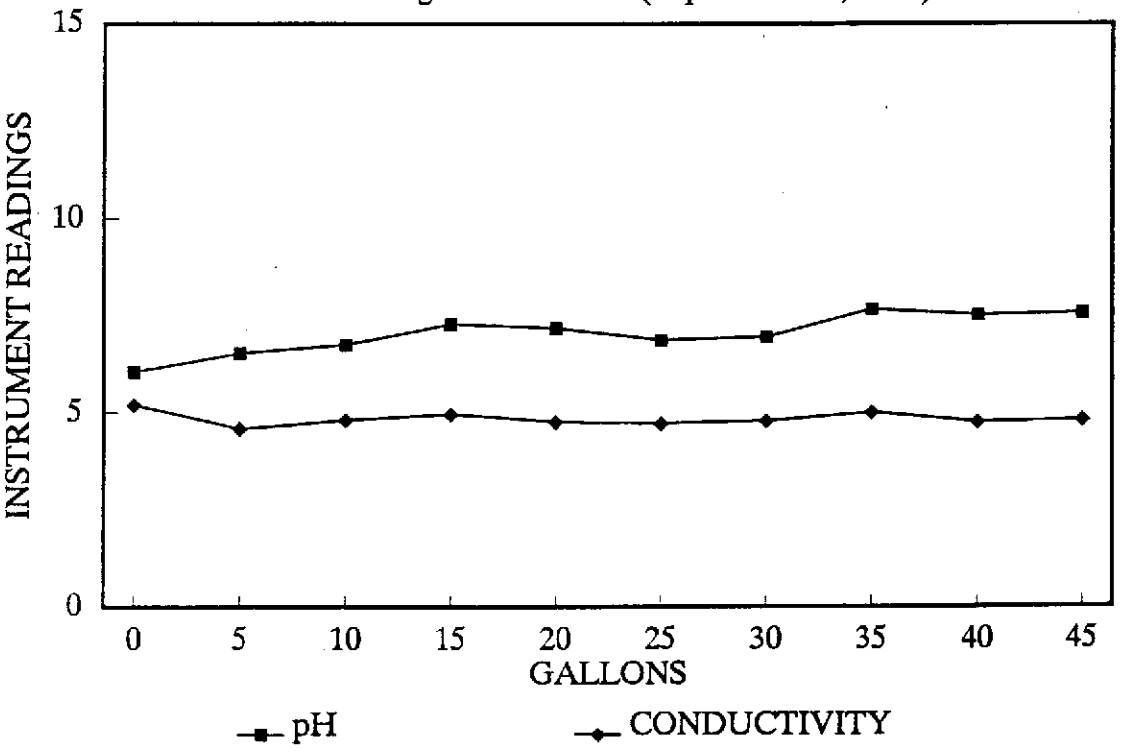
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–10 (September 24, 1992)



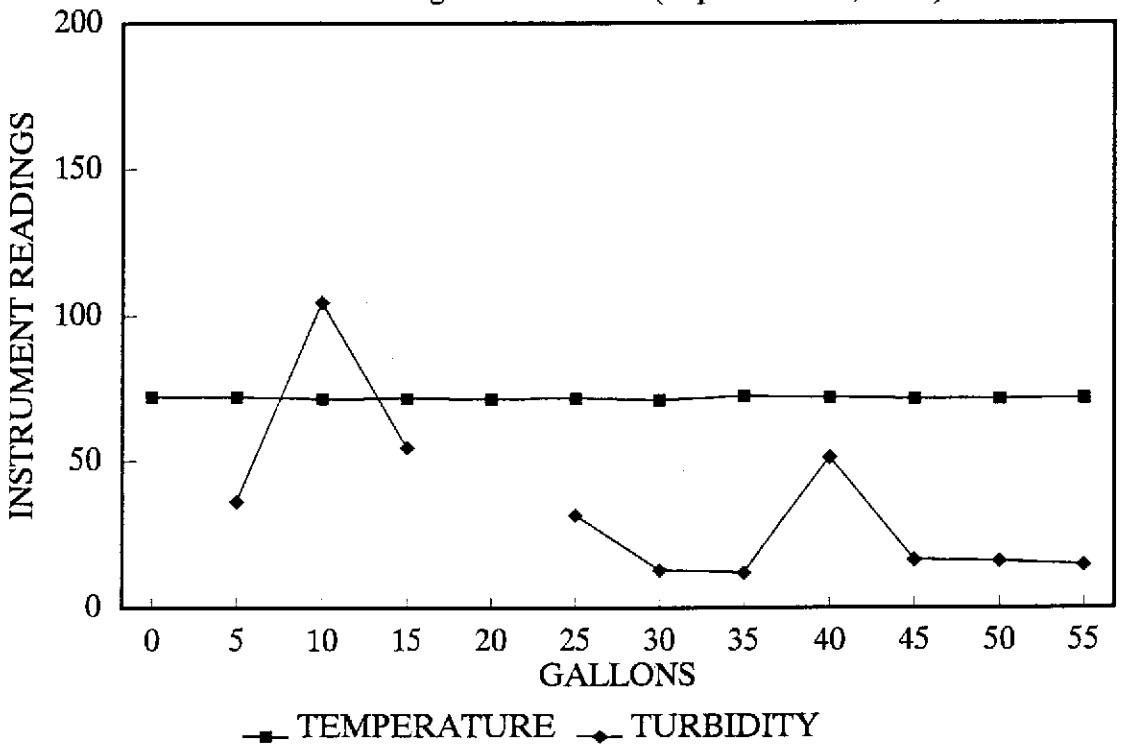
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–10 (September 24, 1992)



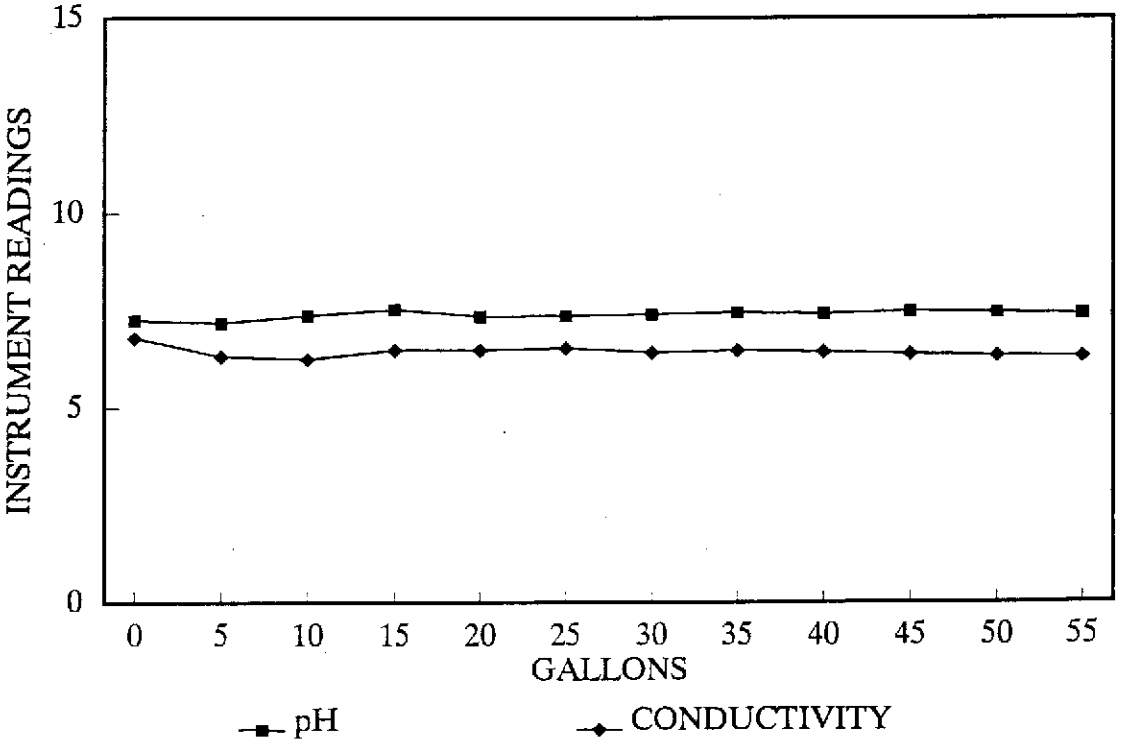
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–11 (September 24, 1992)



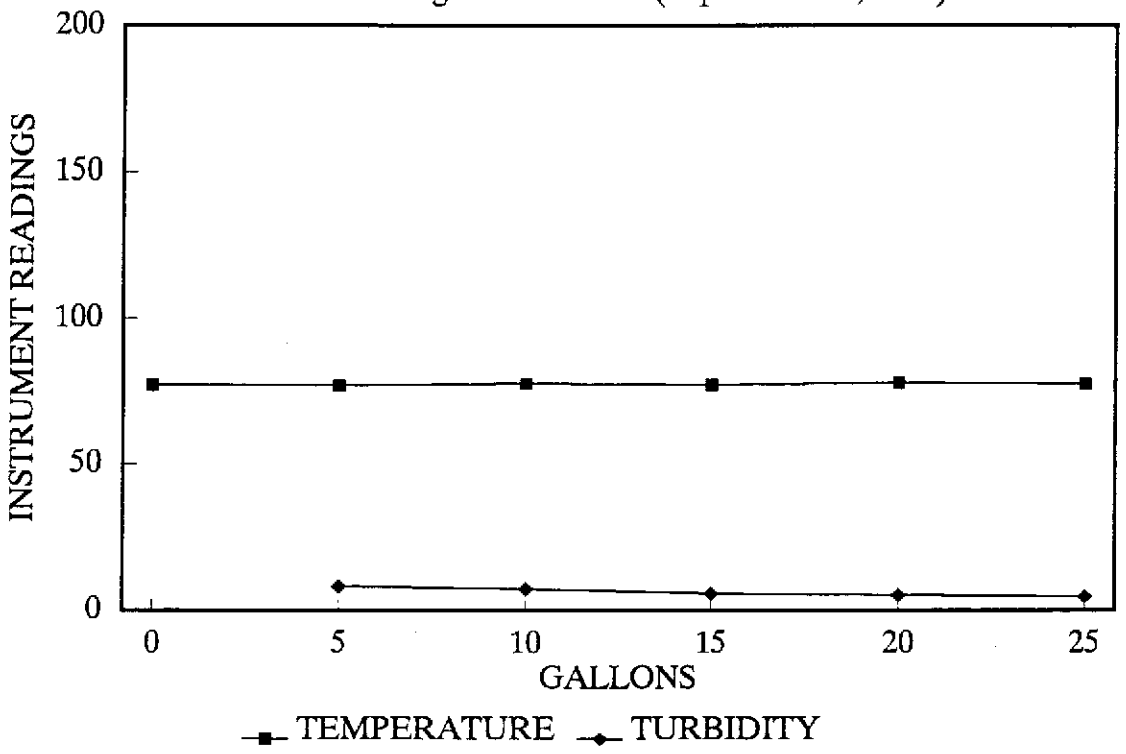
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–11 (September 24, 1992)



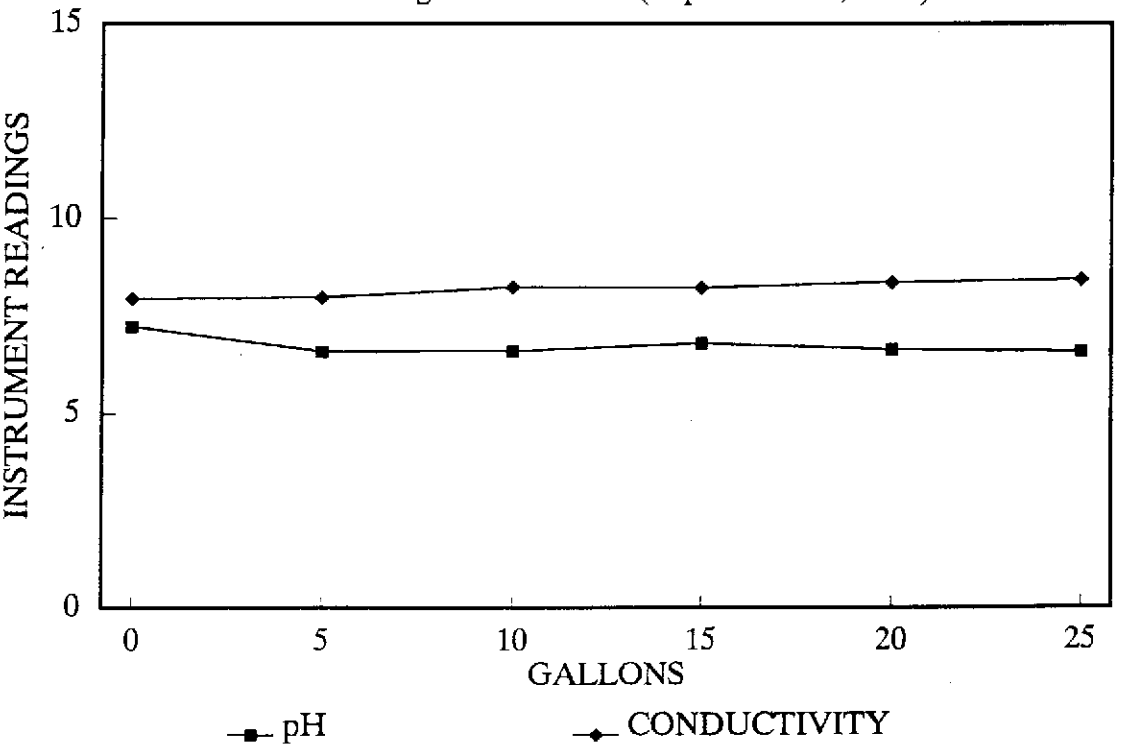
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–12 (September 24, 1992)



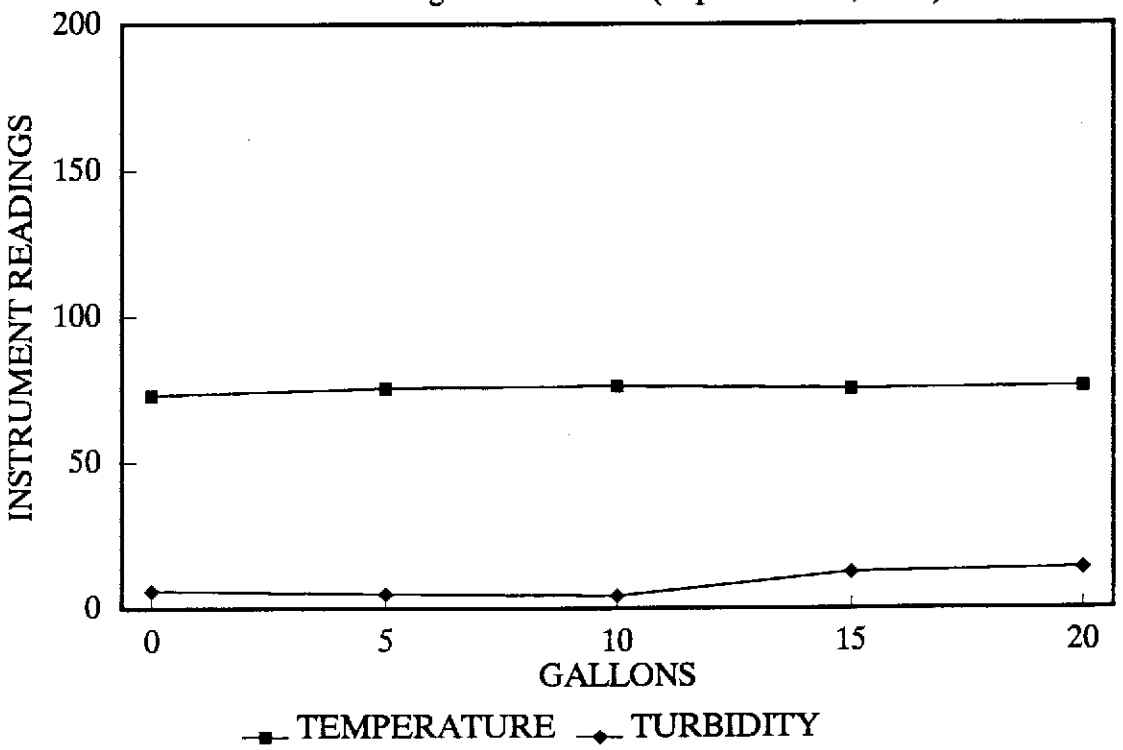
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–12 (September 24, 1992)



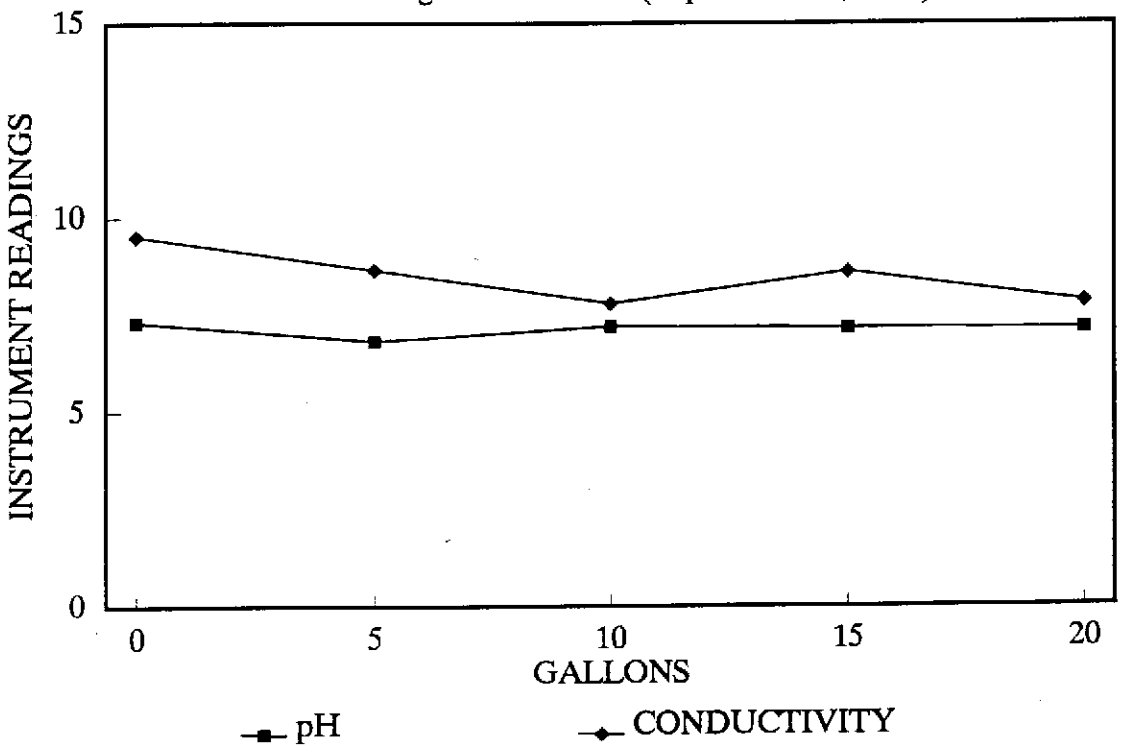
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–13 (September 24, 1992)



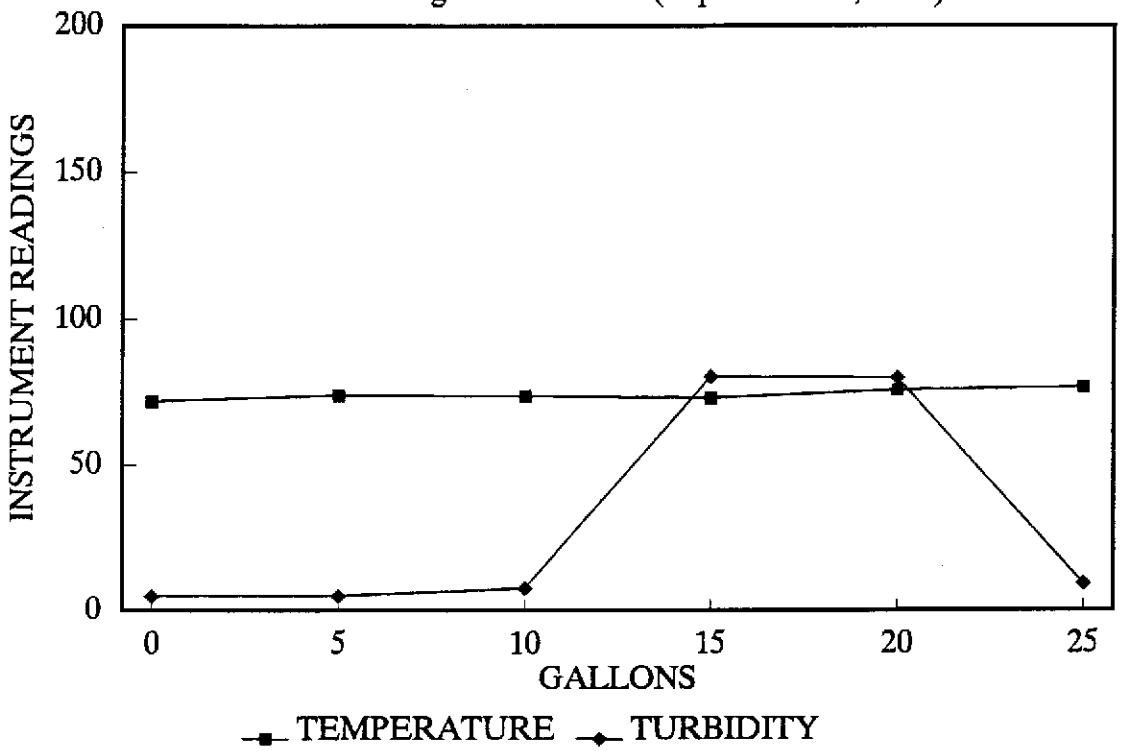
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–13 (September 24, 1992)



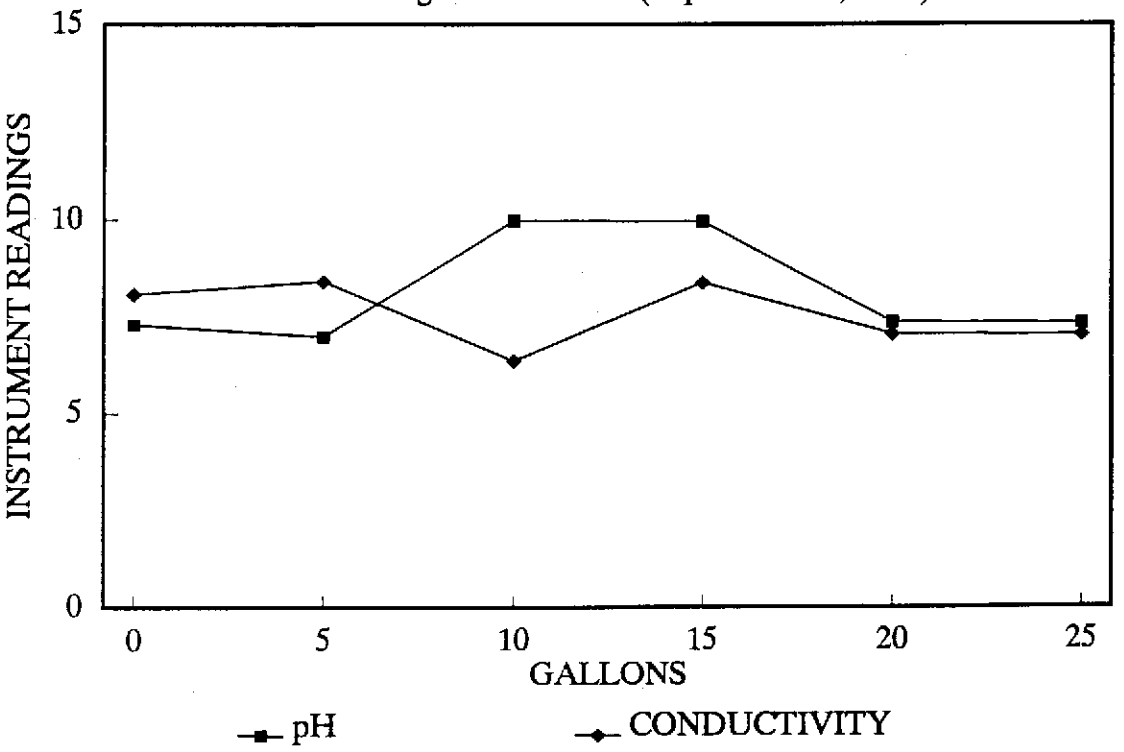
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–14 (September 24, 1992)



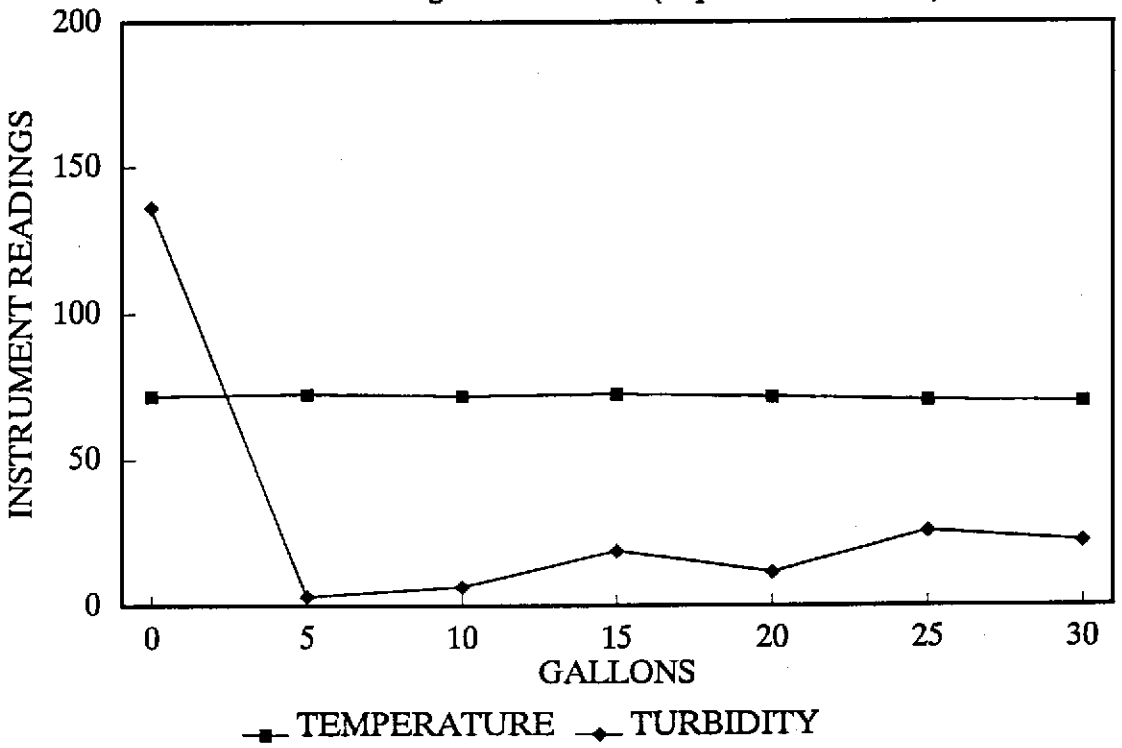
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–14 (September 24, 1992)



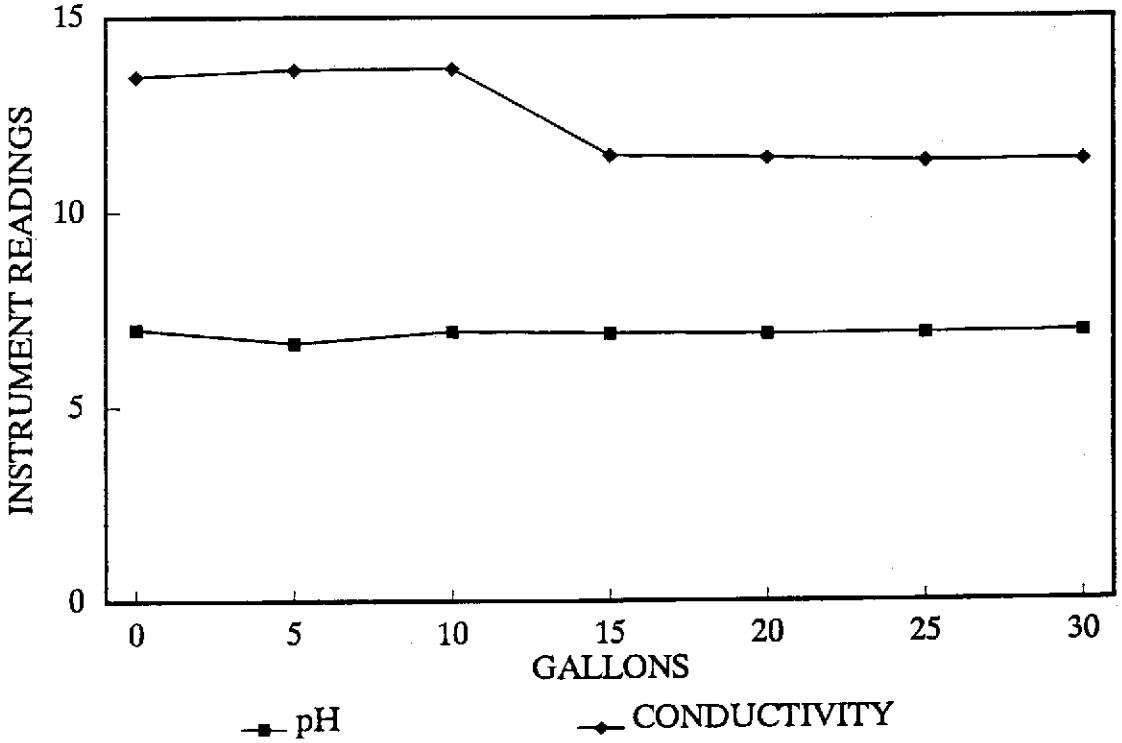
EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–15 (September 24, 1992)



EXXON 3006 STABILIZATION GRAPH

Monitoring Well MW–15 (September 24, 1992)

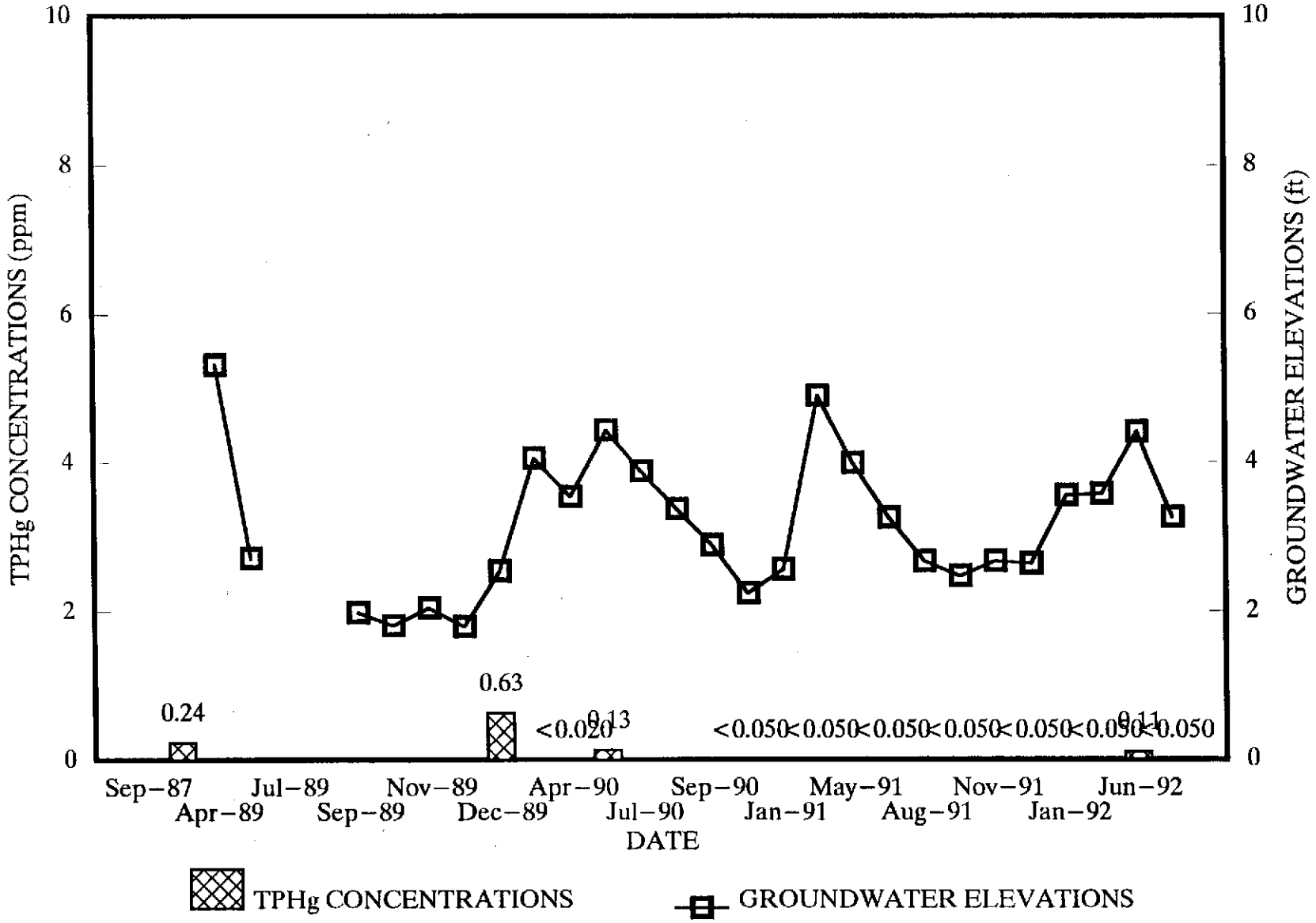


APPENDIX B

HYDROGRAPH AND TPHg GRAPHS

EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92

Monitoring Well MW-1



RESNA

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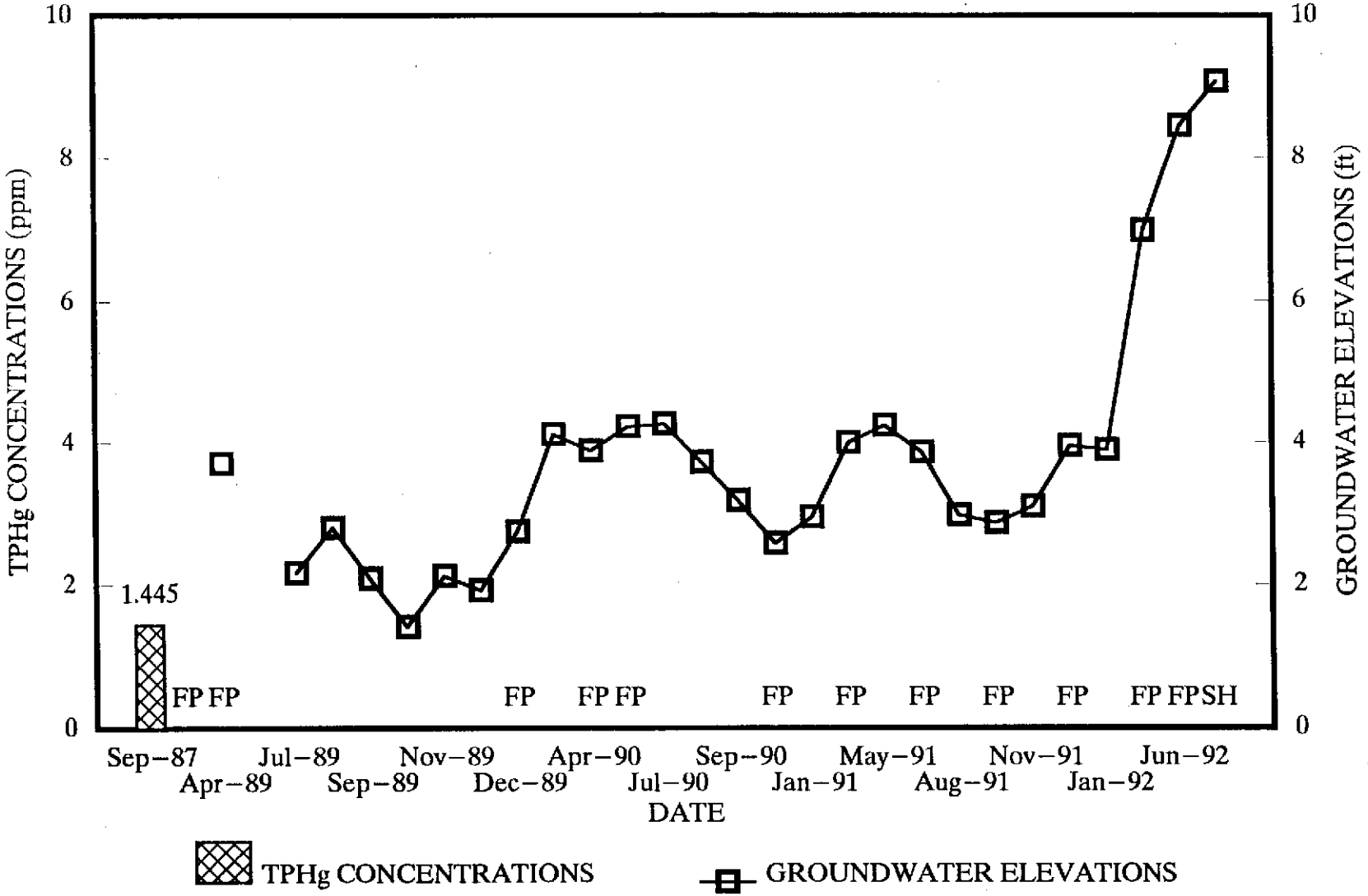
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92

Monitoring Well MW-2



FP = Ploating Product

SH = Sheen

RESNA

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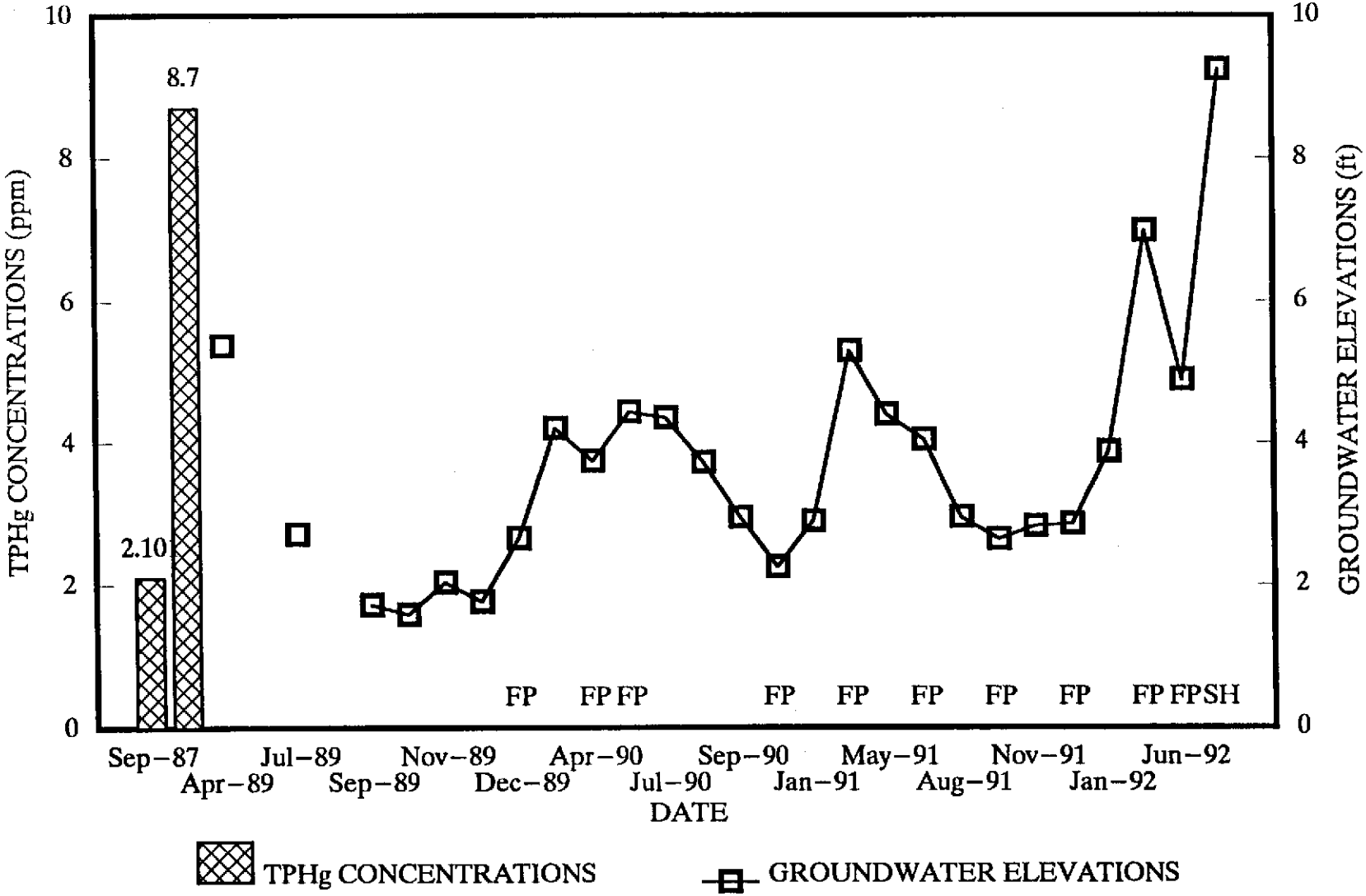
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92
Monitoring Well MW-3

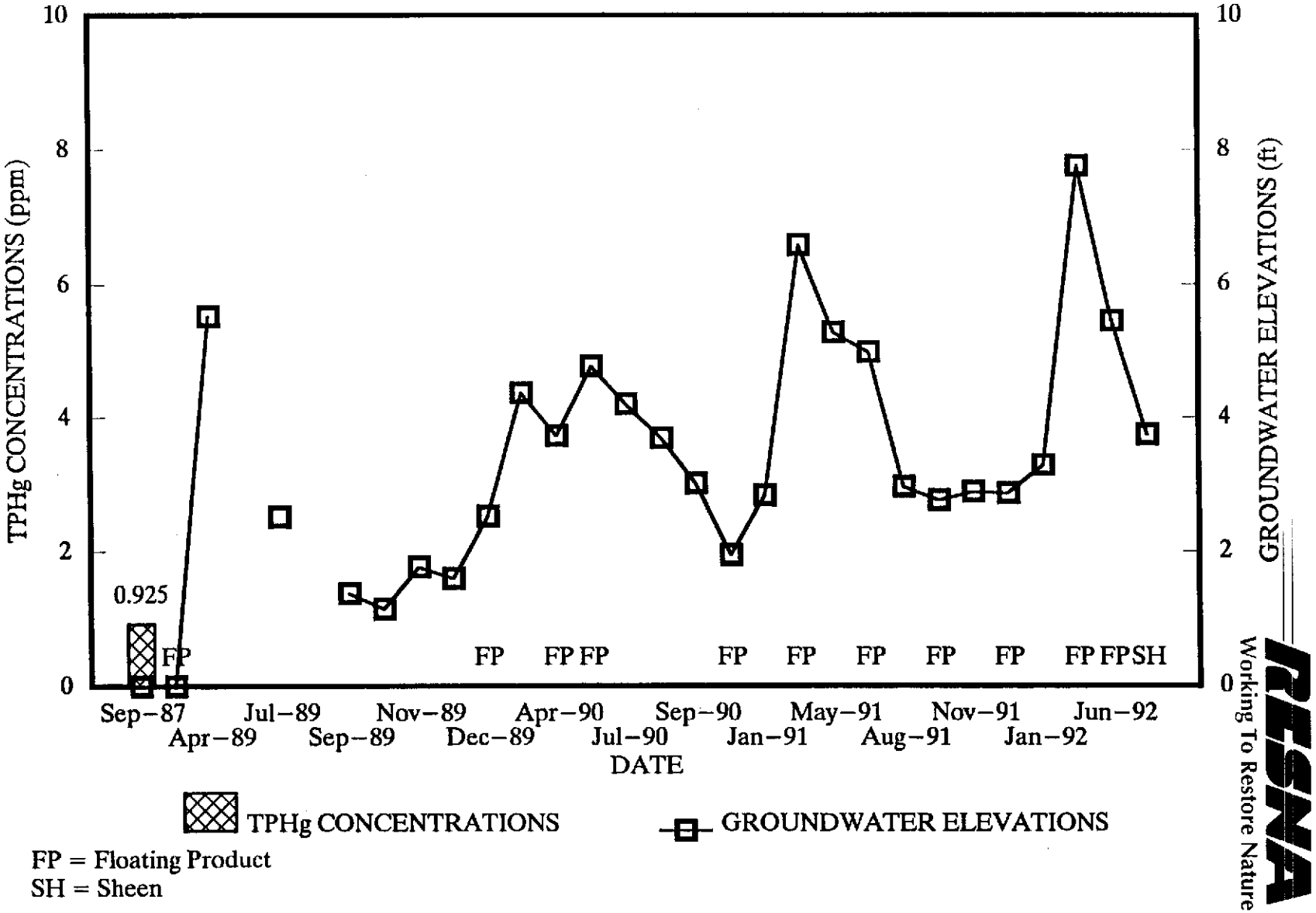


FP = Floating Product
SH = Sheen

RESNA
Working To Restore Nature

EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92

Monitoring Well MW-4



FP = Floating Product

SH = Sheen

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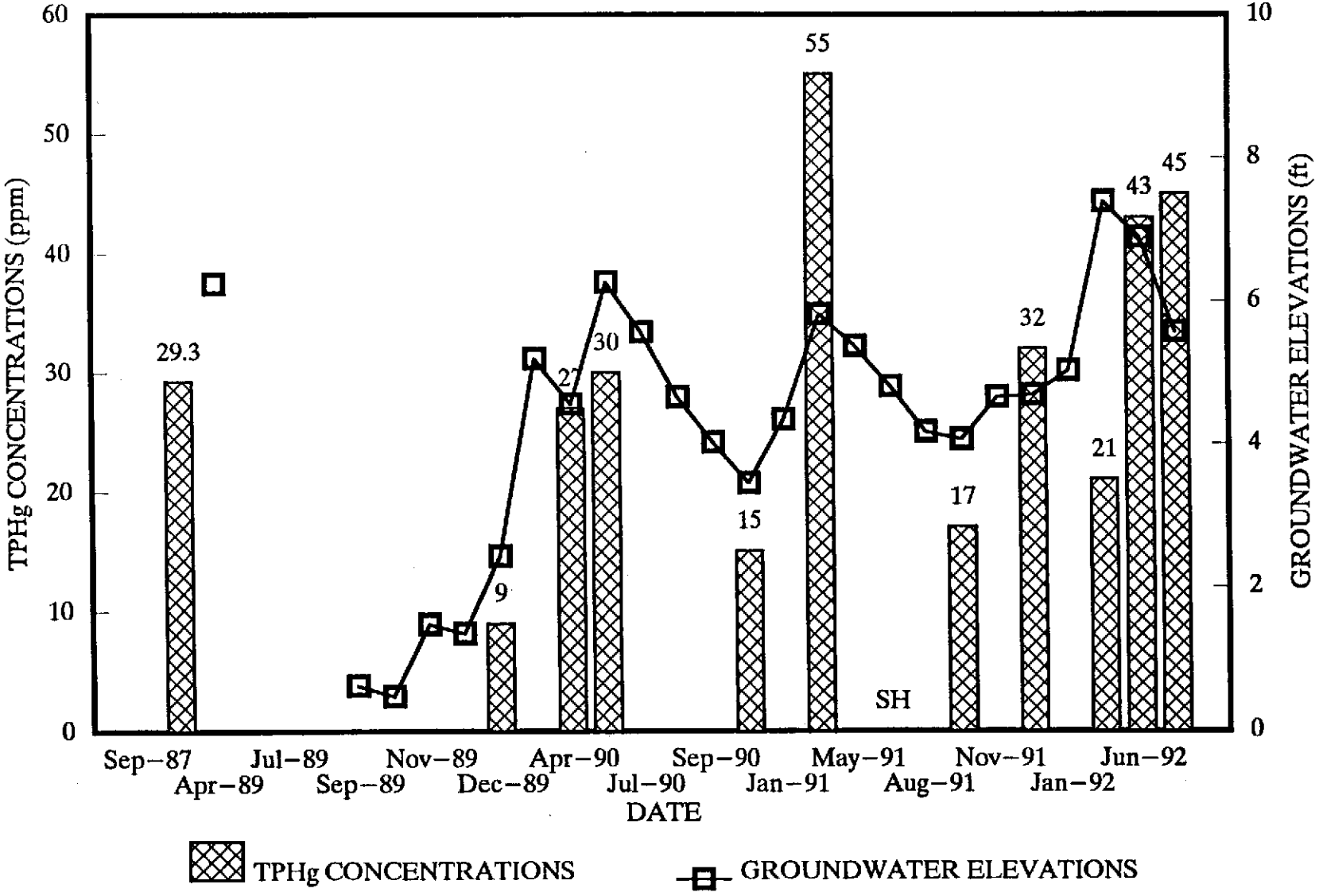
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92

Monitoring Well MW-6



SH = Sheen

RESNA

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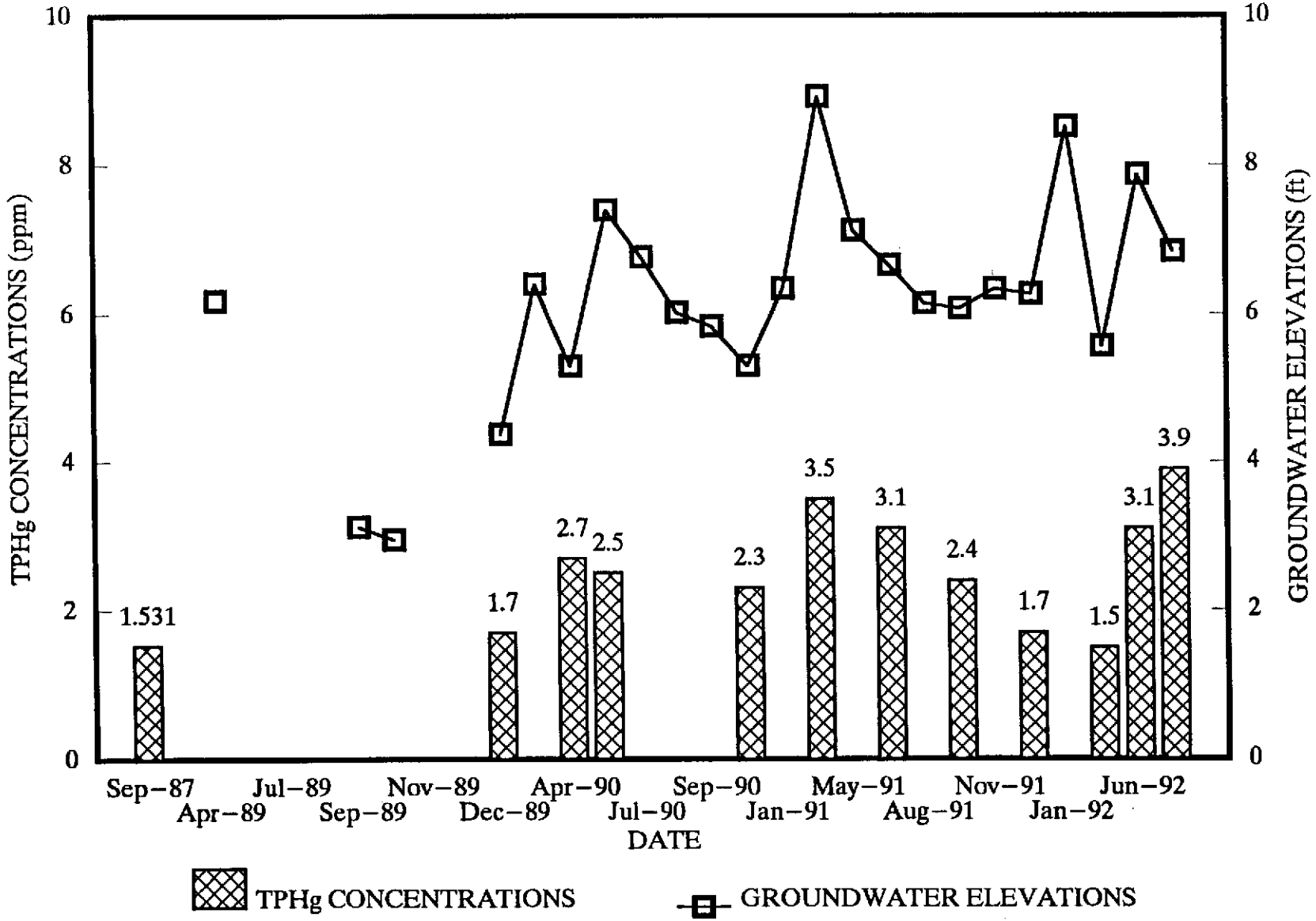
EXXON 7–3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987–92

Monitoring Well MW–7



RESNA

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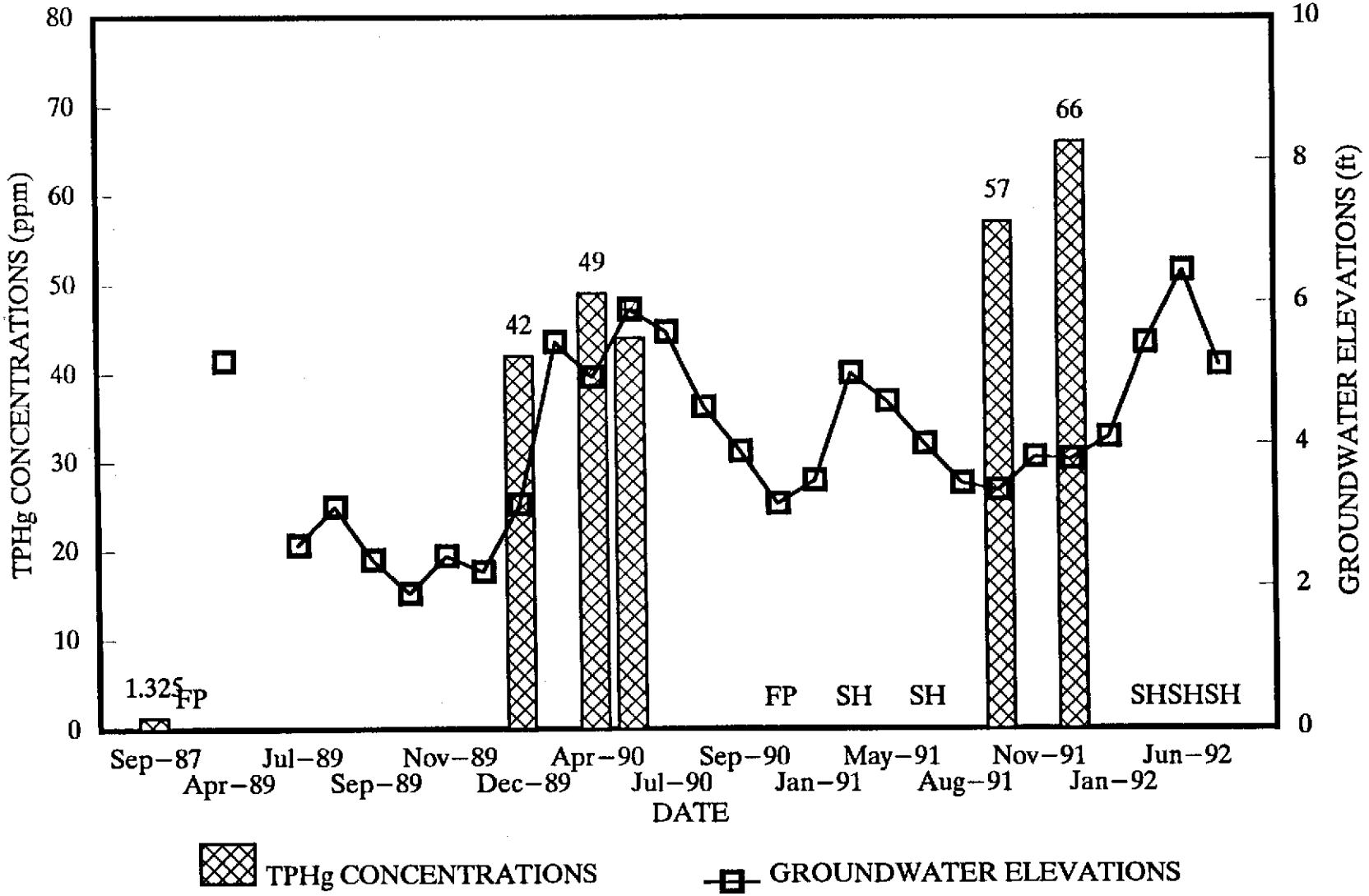
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92
Monitoring Well MW-8

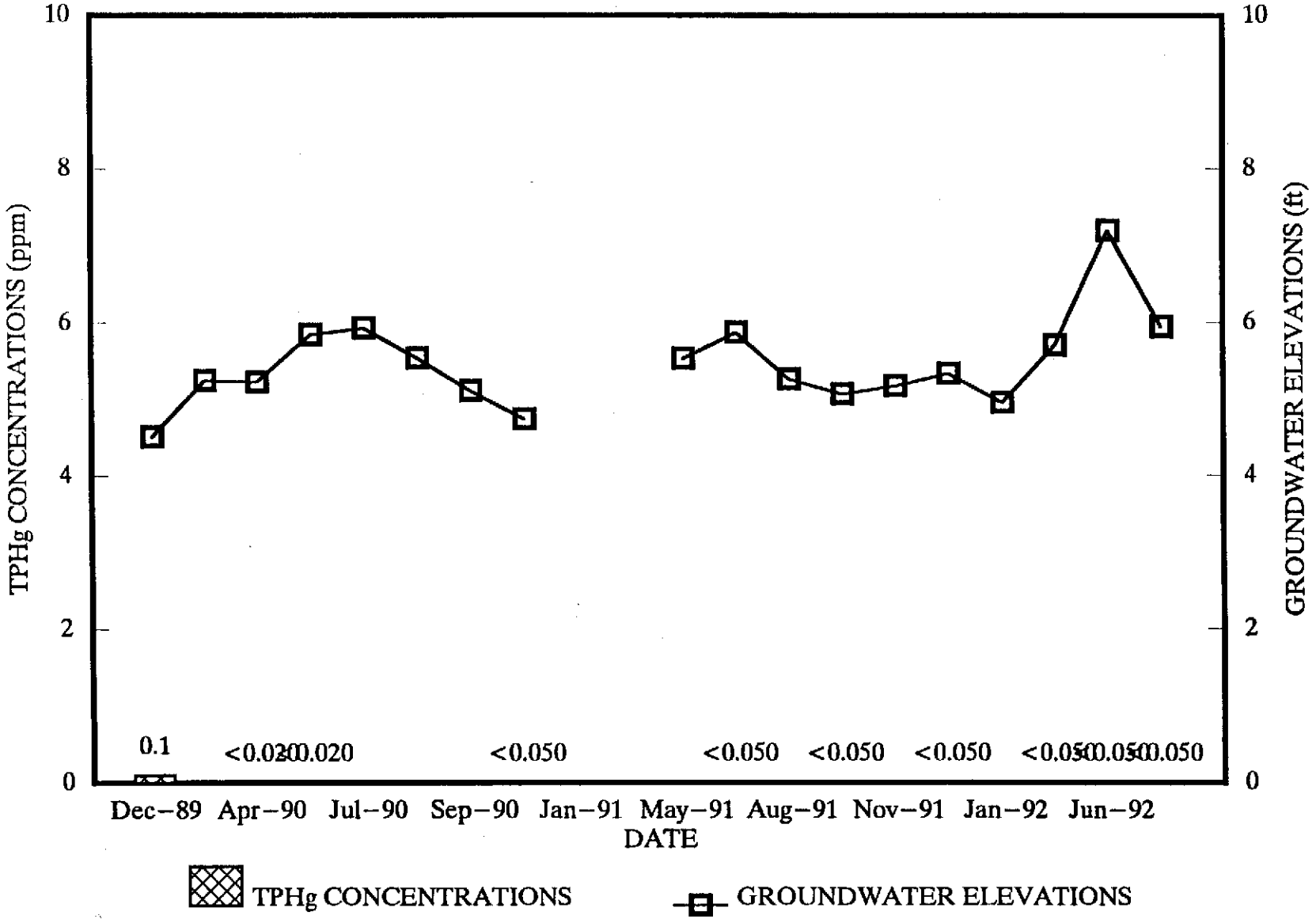


FP = Floating Product
SH = Sheen

RESNA
Working To Restore Nature

EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1989-92

Monitoring Well MW-9



RESNA

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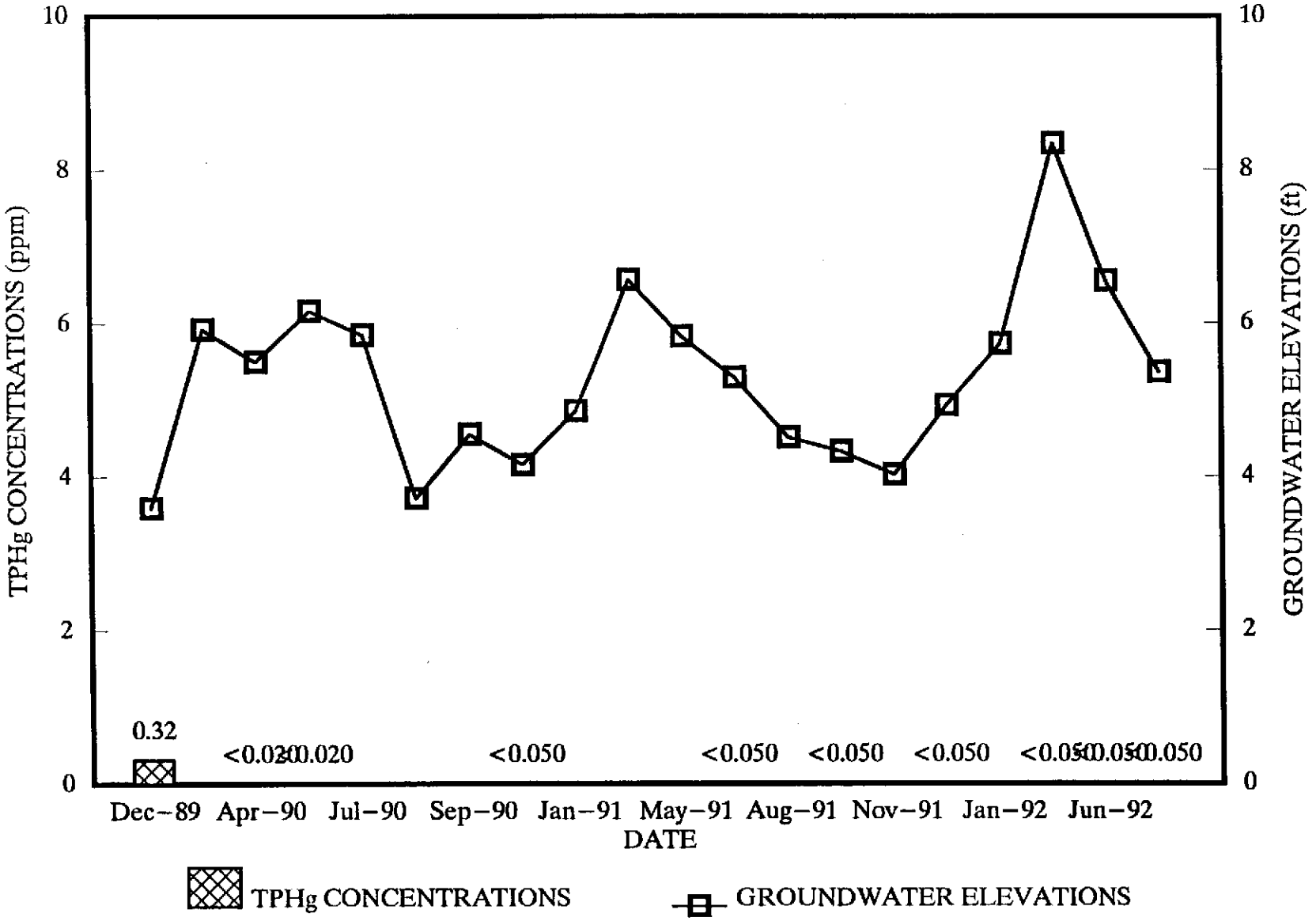
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1987-92

Monitoring Well MW-10



RESNA

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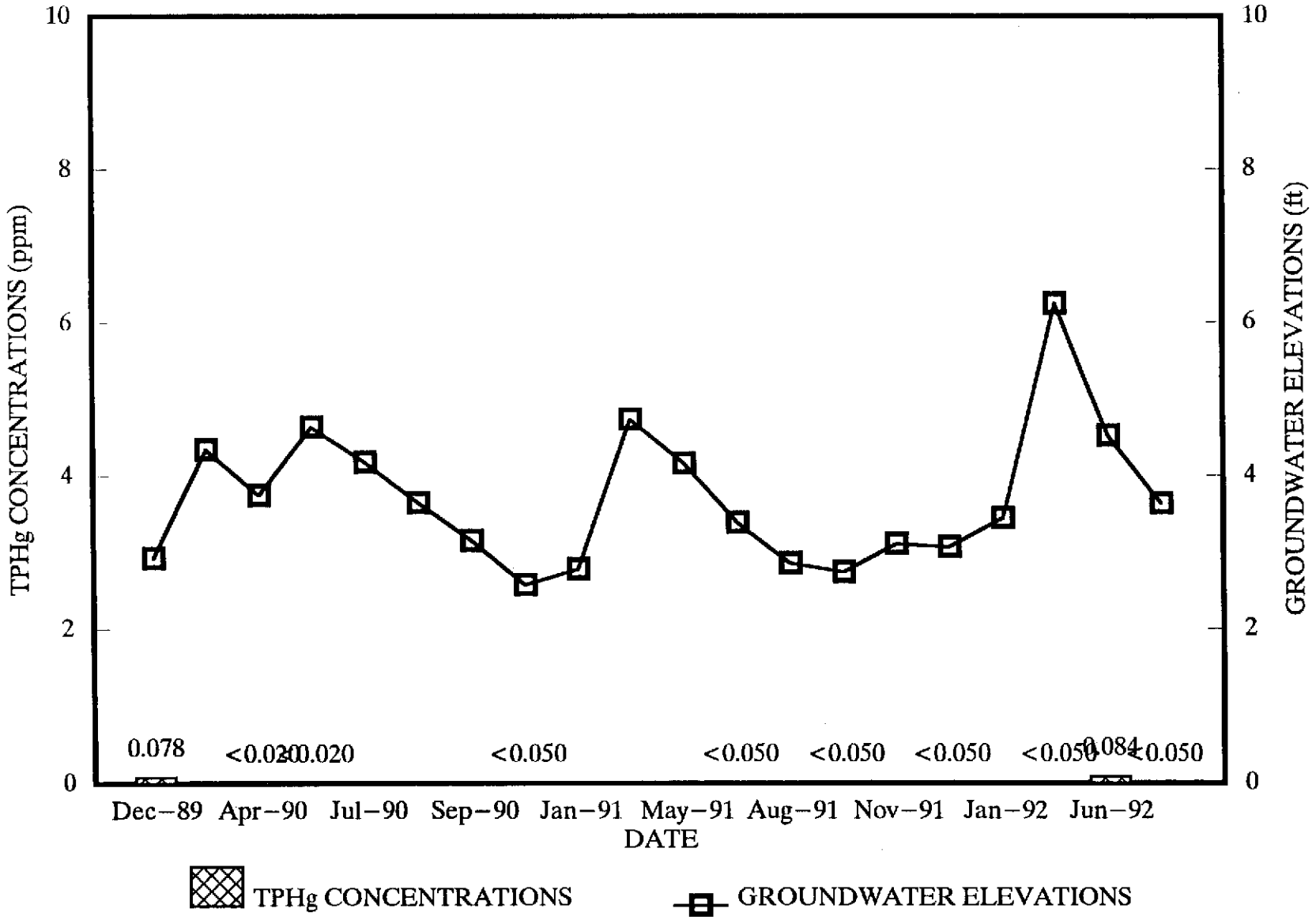
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1989-92

Monitoring Well MW-11



RESNA

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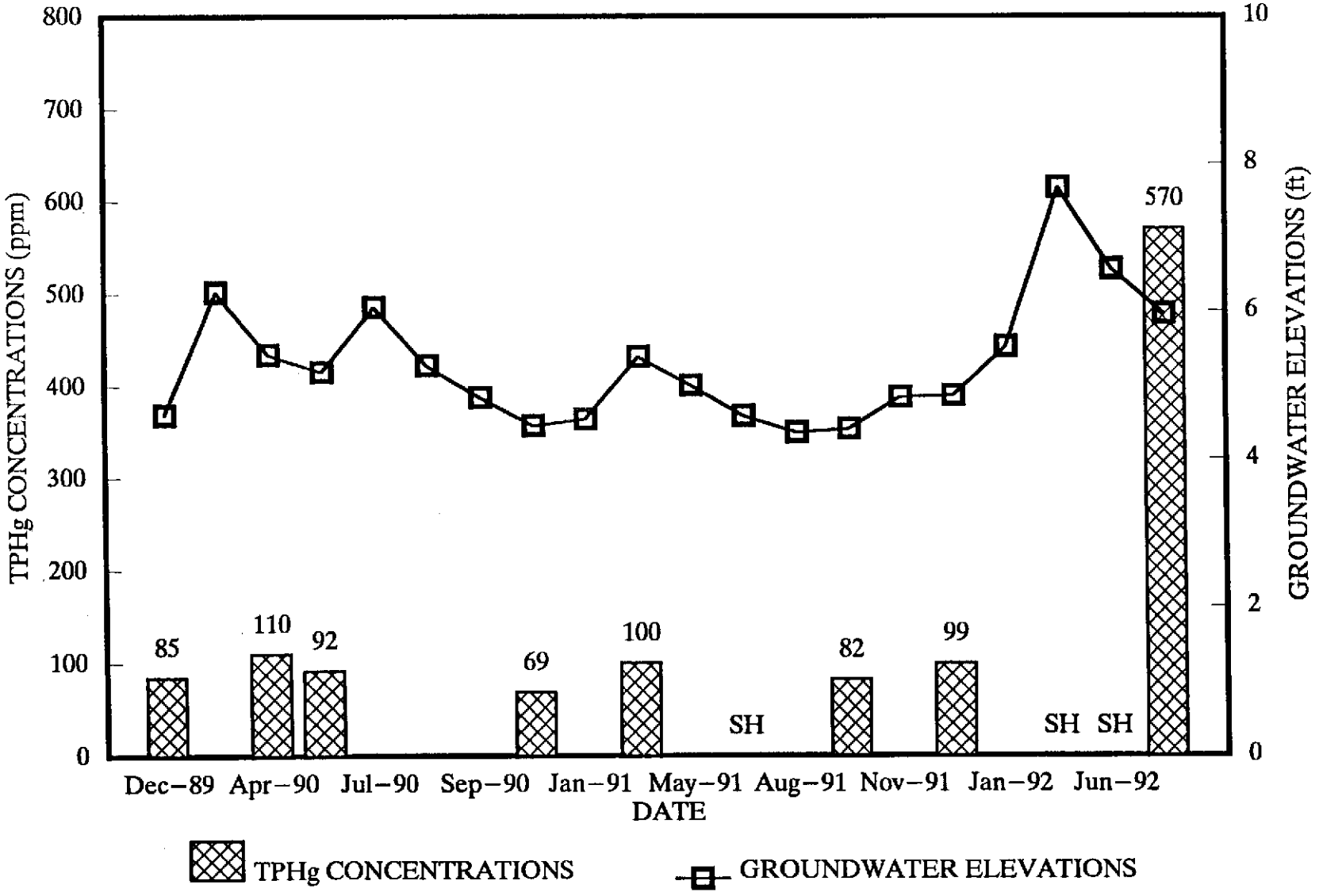
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1989-92

Monitoring Well MW-12



SH = Sheen

RESNA

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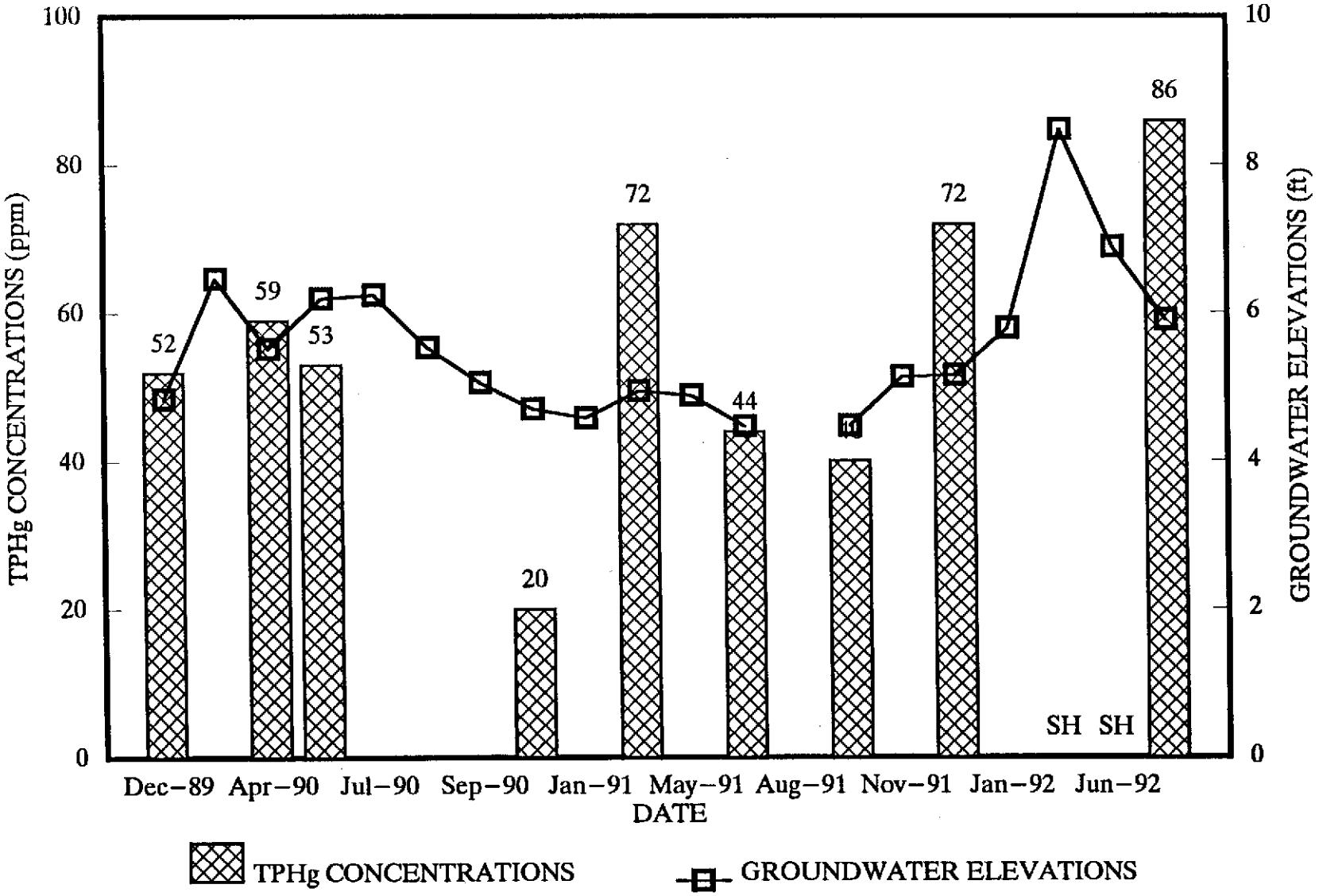
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1989-92

Monitoring Well MW-13



SH = Sheen

RESNA

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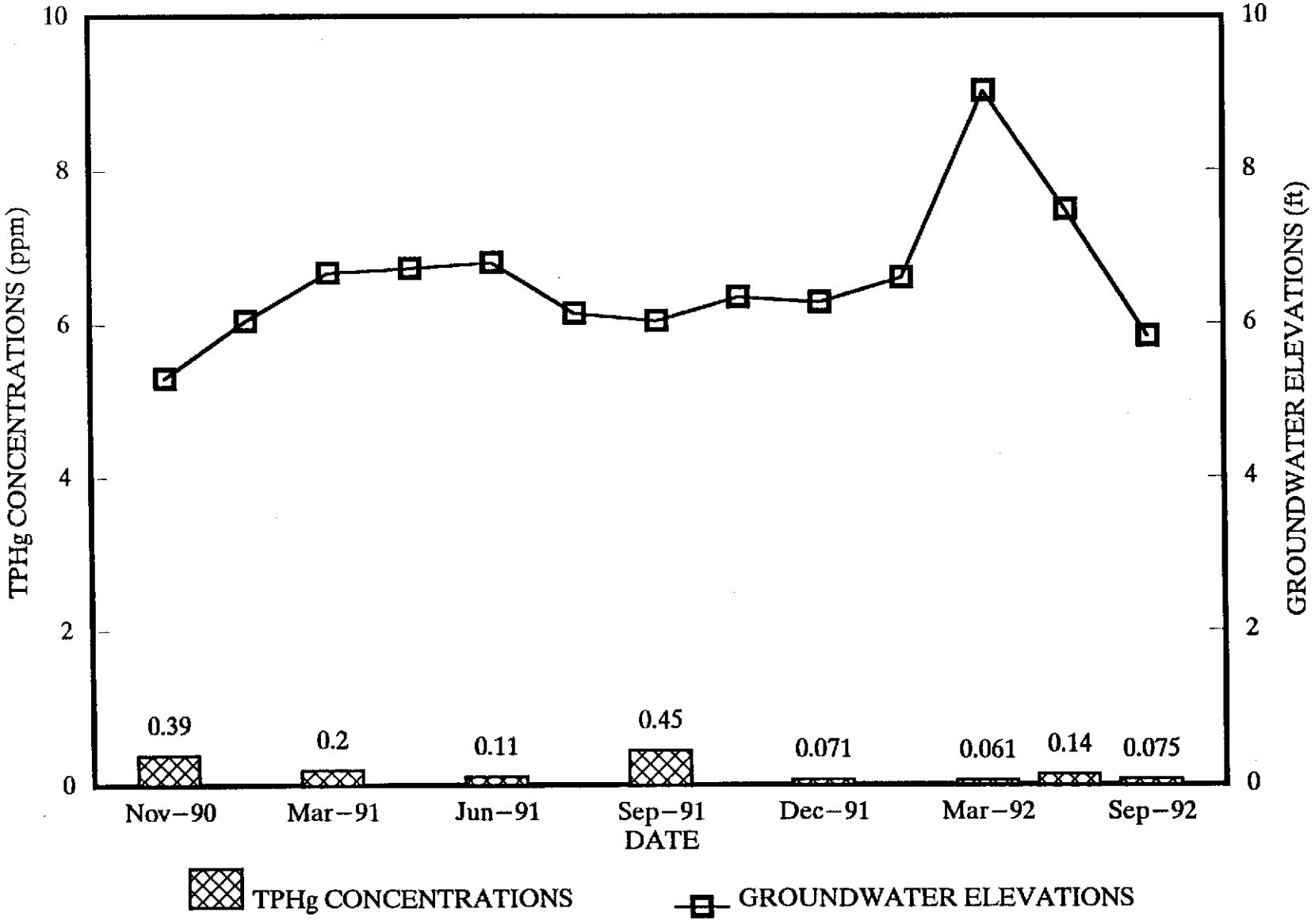
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1990-92
Monitoring Well MW-14



RESNA
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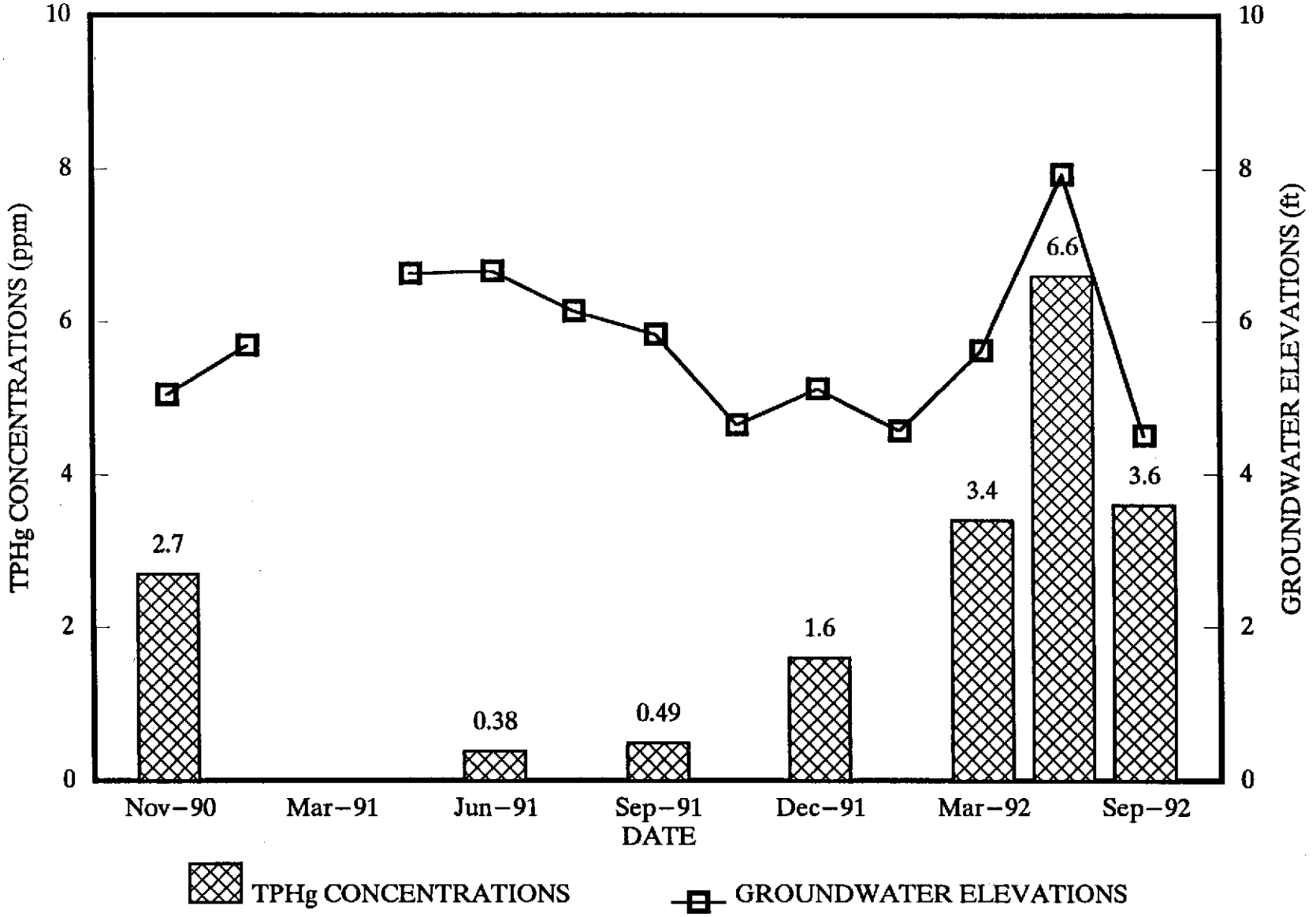
EXXON 7-3006 HYDROGRAPH AND TPHg CONCENTRATION GRAPH 1990-92
Monitoring Well MW-15



RESNA
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APPENDIX C

CHAIN OF CUSTODY RECORDS AND LABORATORY ANALYSIS REPORTS

pace INCORPORATED THE ASSURANCE OF QUALITY

420828 SCS

EXXON COMPANY, U.S.A.

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

☑ Novato, CA, 11 Digital Drive, 94949 (415) 883-6100

☐ Huntington Beach, CA, 5702 Bolsa Avenue, 92649 (714) 892-2565

Consultant's Name: RESNA

Page 3 of 3

Address: 3315 Almaden Expressway #34 San Jose, CA 95118		Site Location: 720 High St. Oakland
Project #: 87042-11	Consultant Project #:	Consultant Work Release #: 9104F65 64
Project Contact: Marc Briggs	Phone #: (408) 264-7723 Fax #: 264-2435	Laboratory Work Release #:
EXXON Contact: Maya Gutierrez ☑ EE ☐ C&M	Phone #: Fax #:	EXXON RAS #: 7-306
Sampled by (print): Patrick Lane	Sampler's Signature:	
Shipment Method:	Air Bill #:	Shipment Date: 9/28/92

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ Standard (5 day)

ANALYSIS REQUIRED

Sample Condition as Received
Temperature ° C: ____
Cooler #: ____
Inbound Seal Yes No
Outbound Seal Yes No
Via Courier

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	COMMENTS
W7-MW12	9/25/92 1500	W	Hcl	3	21388.6	✓			
W7-MW12D	↓ 0550	↓	—	—	21399.1		✓		

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
RESNA			C.L. McGee Pace Inc	9-28-92	13:00
C.L. McGee Pace Inc.	9-28-92	16:30	Lea Lafferee MCE	9-29	1630

Additional Comments:

Distribution: A/2/16/3 White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

pace INCORPORATED THE ASSURANCE OF QUALITY

EXXON COMPANY, U.S.A.

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

☑ Novato, CA, 11 Digital Drive, 94949 (415) 883-6100

☐ Huntington Beach, CA, 5702 Bolsa Avenue, 92649 (714) 892-2565

920128.506

Consultant's Name: RESNA

Page 2 of 3

Address: 3315 ALMADEN EXPRESSWAY #34 SAN JOSE, CA.

Site Location: 720 14TH ST. OAKLAND

Project #: 87842.11

Consultant Project #:

Consultant Work Release #: 9004/9465 C64

Project Contact: MARK BRUFF

Phone #: (408) 264-7723 Fax #: 264-2475

Laboratory Work Release #:

EXXON Contact: KAREN GÜNTHER ☑ EE ☐ C&M

Phone #: (510) 246-8765 Fax #:

EXXON RAS #: 7-306

Sampled by (print): PATRICK LAIR / MIKE PARISE

Sampler's Signature:

Shipment Method: PACE COURIER

Air Bill #:

Shipment Date: 9/28/92

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ Standard (5 day)

ANALYSIS REQUIRED

Sample Condition as Received
Temperature ° C: _____
Cooler #: _____
Inbound Seal Yes No
Outbound Seal Yes No
VIA COURIER

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	COMMENTS
W10-MW1	9/25/92 1355	W	HCl	3	21383.5	✓			
W-10-MW1D	1400	W	—	1	21394.0		✓		
W-8-MW7	1415	W	HCl	3	84.3	✓			Bubbles in 1voa
W-8-MW7D	1420	W	—	1	95.9		✓		
W-11-MW15	1435	W	HCl	3	85.1	✓			Bubbles in 2voas 9/28/92
W11-MW15D	1440	W	—	1	96.7		✓		
W31-MW6	9/25/92 1530	W	HCl	3	86.0	✓			Bubble in 3voas
W-31-MW6D	1530	W	—	1	97.5		✓		
W8-MW13	9/25/92 1445	W	HCl	3	87.8	✓			
W8-MW13D	1450	W	—	1	98.3		✓		

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
RESNA			L. McEffee Pace Inc.	9-28-92	13:01
L. McEffee Pace Inc	9-28-92	16:30	Lea Hodson PACE	9-28-92	16:20

Additional Comments:

Distribution: A/2/10/3 White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

pace INCORPORATED
THE ASSURANCE OF QUALITY

EXXON COMPANY, U.S.A.

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

☑ Novato, CA, 11 Digital Drive, 94949 (415) 883-6100

☐ Huntington Beach, CA, 5702 Bolsa Avenue, 92649 (714) 892-2565

Consultant's Name: RESNA

Page 1 of 3

Address: 3315 ALMADEN EXPRESSWAY #34 SAN JOSE, CA. 95118

Site Location: 72 HIGH ST. OAKLAND

Project #: 87042.11

Consultant Project #:

Consultant Work Release #: 900419654

Project Contact: MARK BRUGES

Phone #(408) 264-7723 Fax #:264-2435

Laboratory Work Release #:

EXXON Contact: MARIA GHOSHER ☑ EE ☐ C&M

Phone #(510) 246-8769 Fax #:

EXXON RAS #: 7-3806

Sampled by (print): PATRICK LAM / MIKE PRATT

Sampler's Signature:

Shipment Method: PAC COURIER

Air Bill #:

Shipment Date: 9/25/92

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ Standard (5 day)

ANALYSIS REQUIRED

Sample Condition as Received
Temperature ° C: _____
Cooler #: _____
Inbound Seal Yes No
Outbound Seal Yes No
Via Courier

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1		H2O							COMMENTS
W-9-MW9 R	9/25/92 1240	W	HCl	3	213789	✓											
TRIP BLANK	1240			3	21389.4					✓							
W-9-MW9	1230			3	797	✓											
W-9-MW9D	1250		—	1	90.8		✓										
W-8-MW10	1300		HCl	3	80.0	✓											Bubbles in Vials
W-8-MW10D	1310		—	1	91.6		✓										
W-10-MW14	1325		HCl	3	81.9	✓											
W-10-MW14D	1335		—	1	92.4		✓										
W-10-MW11	1340		HCl	3	82.7	✓											Bubbles in 2 vials 9-29-92
W-10-MW11D	1350		—	1	93.2		✓										

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
RESNA			P.J. McGee Pace Inc.	9-25-92	13:00
P.J. McGee Pace Inc.	9-25-92	16:30	Lea Pastore PACE	9-28-92	16:30

Additional Comments:

Distribution: A/2, 10/3 White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

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REPORT OF LABORATORY ANALYSIS

October 05, 1992

Mr. Marc Briggs
Resna/Applied Geosystems
3315 Almaden Expressway Suite 34
San Jose, CA 95118

RE: PACE Project No. 420928.506
Client Reference: Exxon 7-3006 (EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received September 28, 1992.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Stephanie Matzo

Stephanie Matzo
Project Manager

Enclosures

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Novato, CA 94949
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FAX: 415-883-2673

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REPORT OF LABORATORY ANALYSIS

Resna/Applied Geosystems
3315 Almaden Expressway Suite 34
San Jose, CA 95118

October 05, 1992
PACE Project Number: 420928506

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213789	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-9-MW9R	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	ND	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213797	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-9-MW9	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	ND	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213800	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-8-MW10	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	ND	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0213819	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW14	
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	75	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	ND	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213827	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW11	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	ND	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213835	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	0.5	ND	09/29/92
Toluene	ug/L	0.5	0.6	09/29/92
Ethylbenzene	ug/L	0.5	ND	09/29/92
Xylenes, Total	ug/L	0.5	ND	09/29/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213843	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-8-MW7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/02/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	3900	10/02/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/02/92
Benzene	ug/L	0.5	160	10/02/92
Toluene	ug/L	0.5	4.6	10/02/92
Ethylbenzene	ug/L	0.5	3.7	10/02/92
Xylenes, Total	ug/L	0.5	13	10/02/92

MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213851	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W11-MW15	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/29/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	500	3600	09/29/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/29/92
Benzene	ug/L	5.0	120	09/29/92
Toluene	ug/L	5.0	7.0	09/29/92
Ethylbenzene	ug/L	5.0	480	09/29/92
Xylenes, Total	ug/L	5.0	47	09/29/92

MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213860	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W31-MW6	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/02/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	25000	45000	10/02/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/02/92
Benzene	ug/L	250	9800	10/02/92
Toluene	ug/L	250	270	10/02/92
Ethylbenzene	ug/L	250	1700	10/02/92
Xylenes, Total	ug/L	250	3600	10/02/92

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213878	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W8-MW13	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/02/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	25000	86000	10/02/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/02/92
Benzene	ug/L	250	9500	10/02/92
Toluene	ug/L	250	6100	10/02/92
Ethylbenzene	ug/L	250	2400	10/02/92
Xylenes, Total	ug/L	250	10000	10/02/92

MDL Method Detection Limit

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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213886	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W7-MW12	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	09/30/92
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	31000	570000	09/30/92
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	09/30/92
Benzene	ug/L	310	62000	09/30/92
Toluene	ug/L	310	46000	09/30/92
Ethylbenzene	ug/L	310	15000	09/30/92
Xylenes, Total	ug/L	310	57000	09/30/92

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213908	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-9-MW9D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	ND	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213916	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-8-MW10D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	ND	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213924	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW14D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	0.30	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213932	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW11D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	ND	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213940	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-10-MW1D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	ND	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213959	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-8-MW7D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	0.66	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213967	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-11-MW15D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	0.74	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213975	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-31-MW6D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	2.0	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213983	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-8-MW13D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	2.9	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

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Mr. Marc Briggs
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October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0213991	
Date Collected:			09/25/92	
Date Received:			09/28/92	
Client Sample ID:			W-7-MW12D	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH DIESEL, BY EPA METHOD 8015				
Extractable Fuels, as Diesel	mg/L	0.050	3.1	10/02/92
Date Extracted			10/01/92	

MDL Method Detection Limit

These data have been reviewed and are approved for release.

Darrell Cann for
Mark A. Valentini, Ph.D.
Regional Director

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Mr. Marc Briggs
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QUALITY CONTROL DATA

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

TPH DIESEL, BY EPA METHOD 8015
Batch: 70 15933
Samples: 70 0213908, 70 0213916, 70 0213924, 70 0213932, 70 0213940
70 0213959, 70 0213967, 70 0213975, 70 0213983, 70 0213991

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.050	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.050	1.00	69%	65%	5%

MDL Method Detection Limit
RPD Relative Percent Difference

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Mr. Marc Briggs
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QUALITY CONTROL DATA

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

TPH GASOLINE/BTEX
Batch: 70 15823
Samples: 70 0213835, 70 0213851

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	297	109%	110%	0%
Benzene	ug/L	0.5	40.0	88%	90%	2%
Toluene	ug/L	0.5	40.0	96%	98%	2%
Ethylbenzene	ug/L	0.5	40.0	98%	101%	3%
Xylenes, Total	ug/L	0.5	80.0	102%	104%	1%

MDL Method Detection Limit
RPD Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

TPH GASOLINE/BTEX
Batch: 70 15848
Samples: 70 0213789, 70 0213797, 70 0213800, 70 0213819, 70 0213827

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	427	100%	100%	0%
Benzene	ug/L	0.5	40.0	103%	99%	3%
Toluene	ug/L	0.5	40.0	95%	94%	1%
Ethylbenzene	ug/L	0.5	40.0	102%	102%	0%
Xylenes, Total	ug/L	0.5	80.0	107%	106%	0%

MDL Method Detection Limit
RPD Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

TPH GASOLINE/BTEX
Batch: 70 15854
Samples: 70 0213886

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	297	99%	100%	1%
Benzene	ug/L	0.5	40.0	83%	89%	6%
Toluene	ug/L	0.5	40.0	91%	97%	6%
Ethylbenzene	ug/L	0.5	40.0	94%	100%	6%
Xylenes, Total	ug/L	0.5	80.0	95%	101%	6%

MDL Method Detection Limit
RPD Relative Percent Difference

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QUALITY CONTROL DATA

October 05, 1992
PACE Project Number: 420928506

Client Reference: Exxon 7-3006 (EE)

TPH GASOLINE/BTEX
Batch: 70 15919
Samples: 70 0213843, 70 0213860, 70 0213878

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	427	93%	92%	1%
Benzene	ug/L	0.5	40.0	97%	95%	2%
Toluene	ug/L	0.5	40.0	94%	92%	2%
Ethylbenzene	ug/L	0.5	40.0	94%	93%	1%
Xylenes, Total	ug/L	0.5	80.0	99%	97%	2%

MDL Method Detection Limit
RPD Relative Percent Difference