GW-080

Groundwater Monitor Report

DATE:
Jan 2009

Cypress Engineering

7171 Highway 6 North, Suite 102
Houston, Texas 77095
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2009 JAN 14 PM 1 24

January 09, 2009

Mr. Glenn von Gonten
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Report of Groundwater Remediation Activities
Transwestern Pipeline Company
Thoreau Compressor Station
McKinley County, New Mexico
Case # GW-080

Dear Glenn,

The enclosed Report of Groundwater Remediation Activities is submitted for your review and files. This report presents a summary of groundwater monitoring and remediation activities completed since the last report of remediation activities.

If you have any questions or comments regarding this report, please contact me at (281) 797-3420.

Sincerely,

George Robinson

George Robinson
President/Principal Engineer

xc w/attachment:

Patrick Antonio	NNEPA
Brandon Powell	NMOCD Aztec District Office
Charlie Allen	Transwestern Pipeline Company
George Friend	Transwestern Pipeline Company
Sam Duletsky	Transwestern Pipeline Company

Report of Groundwater Remediation Activities

Transwestern Pipeline Company
Thoreau Compressor Station
McKinley County, New Mexico

CASE # GW-080

Submitted to:
New Mexico Oil Conservation Division

January 09, 2009

Prepared For:
Transwestern Pipeline Company
6381 North Main Street
Roswell, NM 88201

Prepared by:
Cypress Engineering Services, Inc.
7171 Highway 6 North, Suite 102
Houston, Texas 77095

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1. Introduction

The last report of groundwater remediation activities covered activities completed through July 2007. This report presents a summary of monitoring and remediation activities completed between August 2007 through December 2008.

2. Groundwater Monitoring Activities

2.1 Groundwater Sampling Events

One annual sampling event was completed since the last report of remediation activities. This event was completed on September 23, 2008.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase-separated hydrocarbon (PSH) was present, was determined for each monitoring well. The measured depth to water and the corresponding water table elevation for each monitoring well are presented in Table 1.

In the course of each sample event, groundwater samples were collected from selected monitoring wells at the site. Groundwater samples were delivered to a laboratory for analysis by EPA Method 8021B for benzene, toluene, ethylbenzene, and xylenes (BTEX), and PCB by EPA Method 8082 in accordance with the sampling analysis plan. A summary of field measured groundwater quality parameters (pH, temperature, electrical conductivity, and dissolved oxygen) obtained in the course of sampling is presented in Table 2. An updated summary of analytical results for BTEX and PCB compounds is presented in Tables 3 and 4, respectively. An updated summary of the quality assurance program results is presented in Table 5. A copy of the laboratory report for the annual groundwater sampling event is included in the appendix to this report.

2.2 Results/Conclusions from Groundwater Sampling Events

2.2.1 Occurrence and Direction of Groundwater Flow

A water table elevation map based on measurements obtained in the course of the September 2008 sampling event is included as Figure 3. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site.

Hydrographs for monitor wells 5-03B and 5-23B are included as Figures 6 and 7, respectively. The water table elevation continues to decline as it has since 1993.

2.2.2 Lateral Extent of Phase Separated Hydrocarbon

The lateral extent of PSH is currently defined by the periodic occurrence of PSH at the water table in wells MW 5-34B, MW 5-02C and SVE-3, and the absence of PSH in all other wells. On September 22, 2008, 0.05 feet of accumulated PSH was measured in well MW 5-34B, a sheen of PSH was indicated in well MW 5-02C, and there was no indication of PSH in well SVE-3.

2.2.3 Condition of Affected Groundwater

The primary constituents of concern are benzene and PCBs. The distribution of benzene in groundwater is presented in Figure 4. In general, the concentration of benzene in groundwater has shown a downward trend across the site, particularly at the perimeter of the contaminant plume. Elevated concentrations of benzene persist near the center of the plume.

Low concentrations of PCBs have previously been measured in water samples collected from monitoring wells 5-1C, 5-6C, and 5-59. These three wells are located just inside the southeast corner of the facility. Samples collected from these three wells in the course of the September 2008 sampling event were non-dedect for PCBs. PCBs have not been measured in water samples collected from well 5-60 located 20 feet west of well 5-6C. In addition, PCBs have not been detected in samples collected from well 5-17B located 100 feet downgradient of well 5-6C.

3. Status of Remediation Activities

3.1 Remediation Activities Completed through December 2008

The following remediation activities have been completed since the last report of groundwater remediation activities:

1) Operation of the SVE system is limited to the warmer weather months because condensed water collecting in the SVE conveyance lines during cold weather make the system ineffective. The SVE system was restarted on May 9, 2008 and shut-down on October 22, 2008. A copy of the routine operation and maintenance reports for the SVE system are included in an appendix to this report.
2) Six vapor samples were collected from the SVE system since the last report. A summary of the laboratory results is presented in Table 8.

3.2 Remediation Activities Planned for 2009

The SVE system will be operated from May through October 2009.

4. Planned Modifications

4.1 Planned Modifications to the Routine Groundwater Sampling Plan

There are no planned changes to the sampling analysis plan (SAP). Annual sampling will continue in accordance with the SAP presented in Table 6.

4.2 Planned Modifications to the Remediation System

4.2.1 Physical Modifications to the System

There are no planned physical modifications to the remediation system.

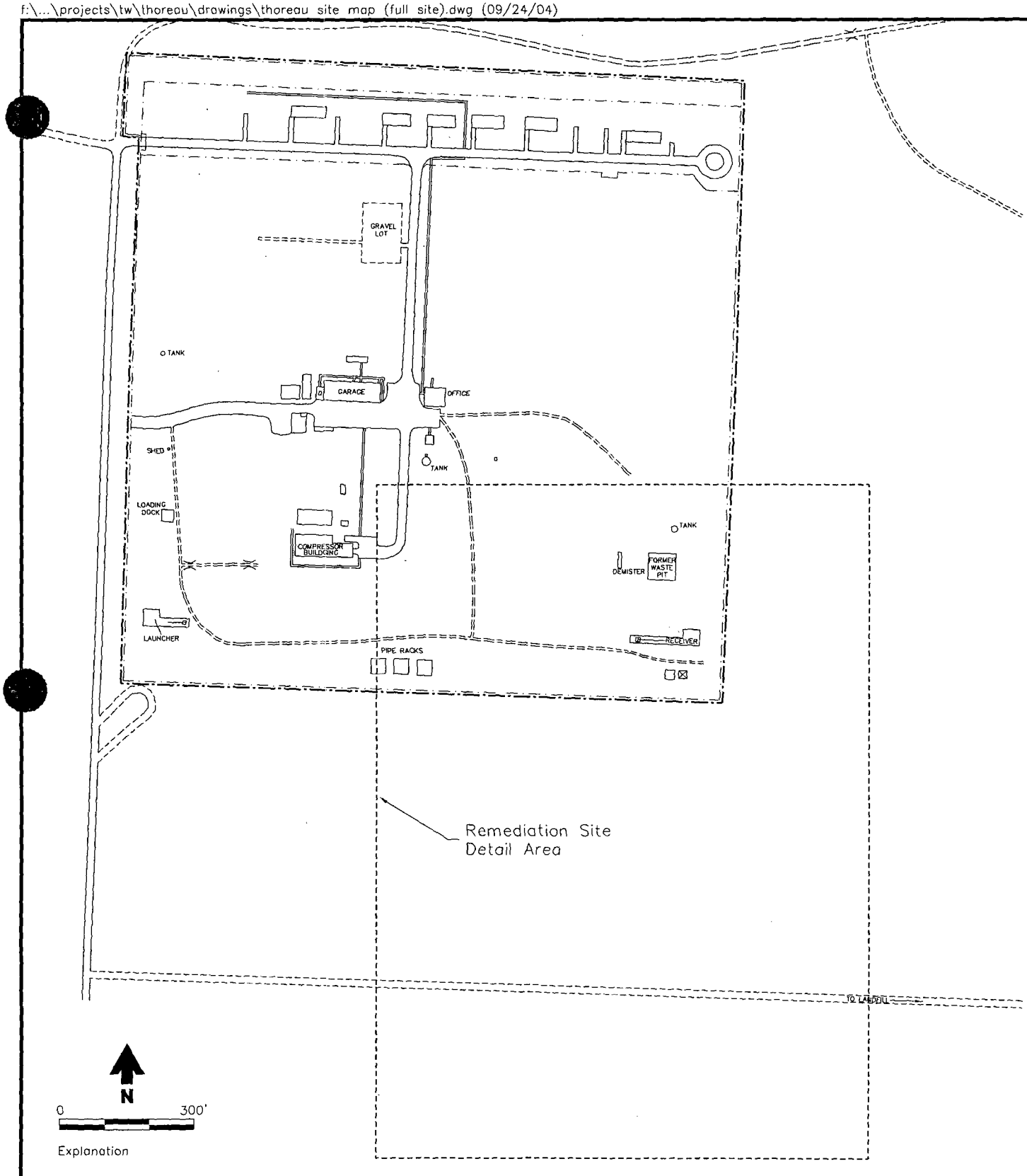
4.2.2 Operational Modifications to the System

There are no planned operational modifications to the remediation system.

4.3 Planned Reporting Frequency

Reporting will continue to be done on an annual basis.

f:\...\projects\tw\thoreau\drawings\thoreau site map (full site).dwg (09/24/04)



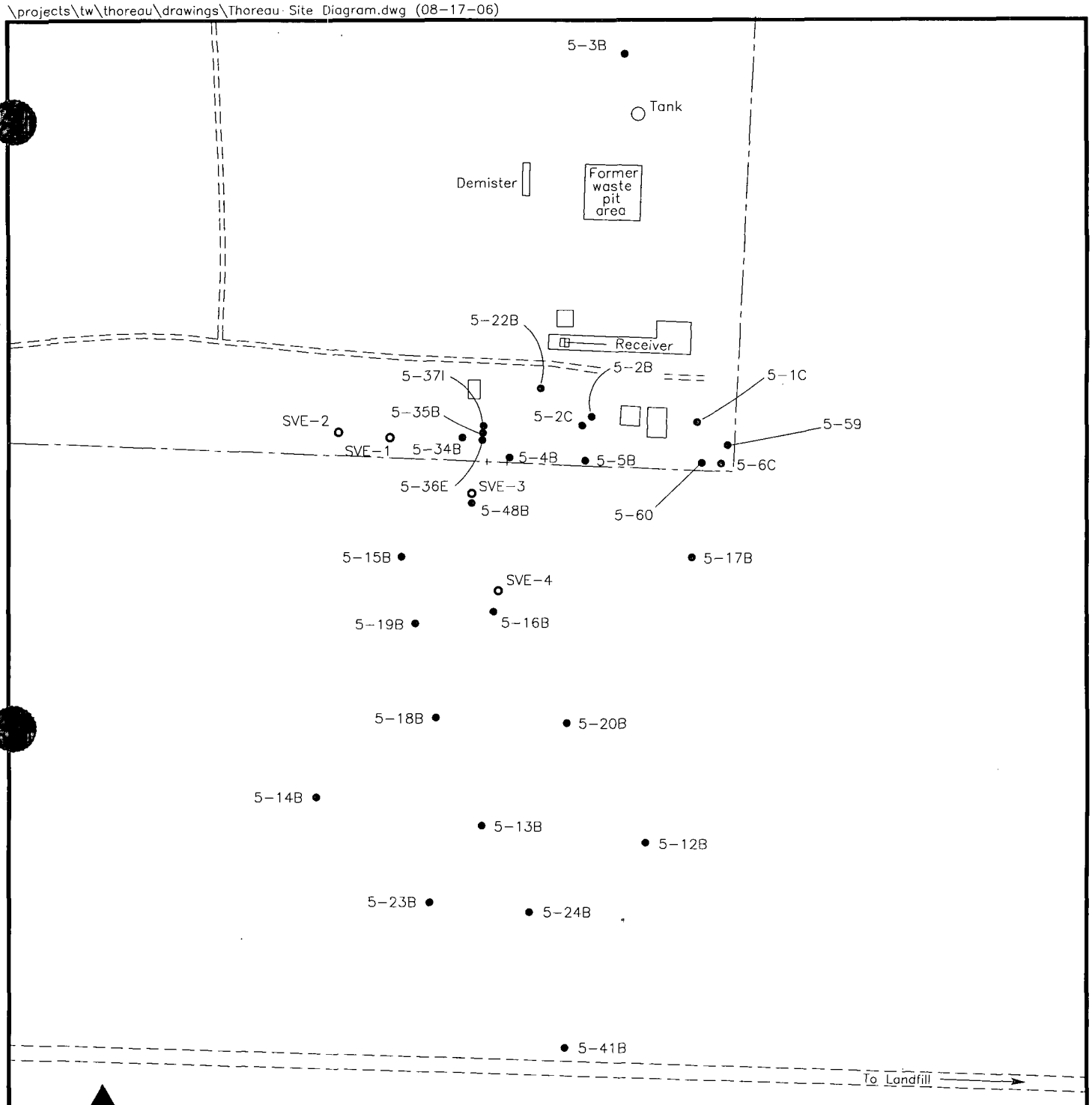
THOREAU COMPRESSOR STATION

Facility Site Map

Figure 1

CYPRESS ENGINEERING SERVICES, INC.

\projects\tw\thoreau\drawings\Thoreau Site Diagram.dwg (08-17-06)



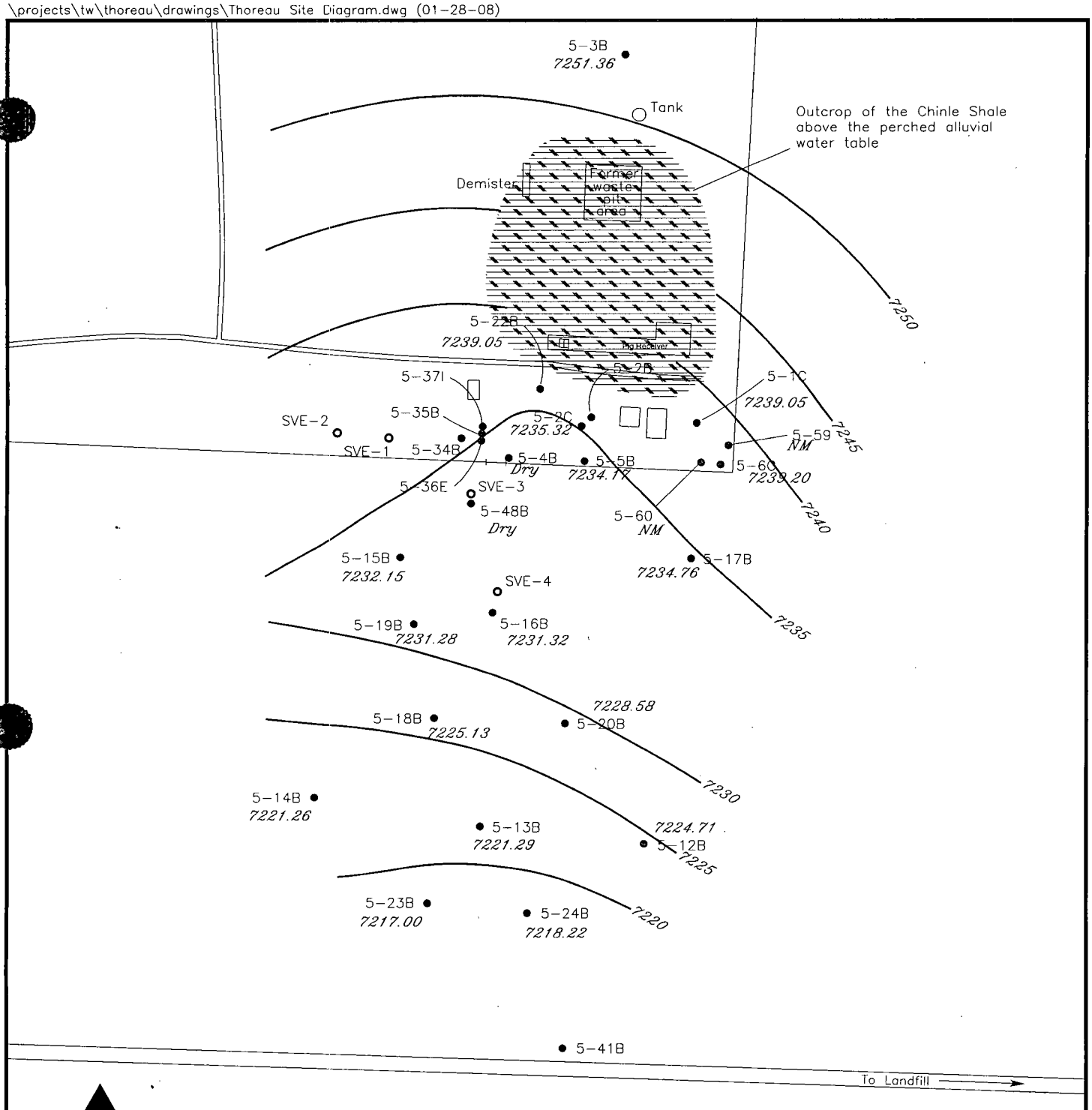
THOREAU COMPRESSOR STATION

Monitor Well & SVE Well Locations

Figure 2

CYPRESS ENGINEERING SERVICES, INC.

\projects\tw\thoreau\drawings\Thoreau Site Diagram.dwg (01-28-08)



THOREAU COMPRESSOR STATION

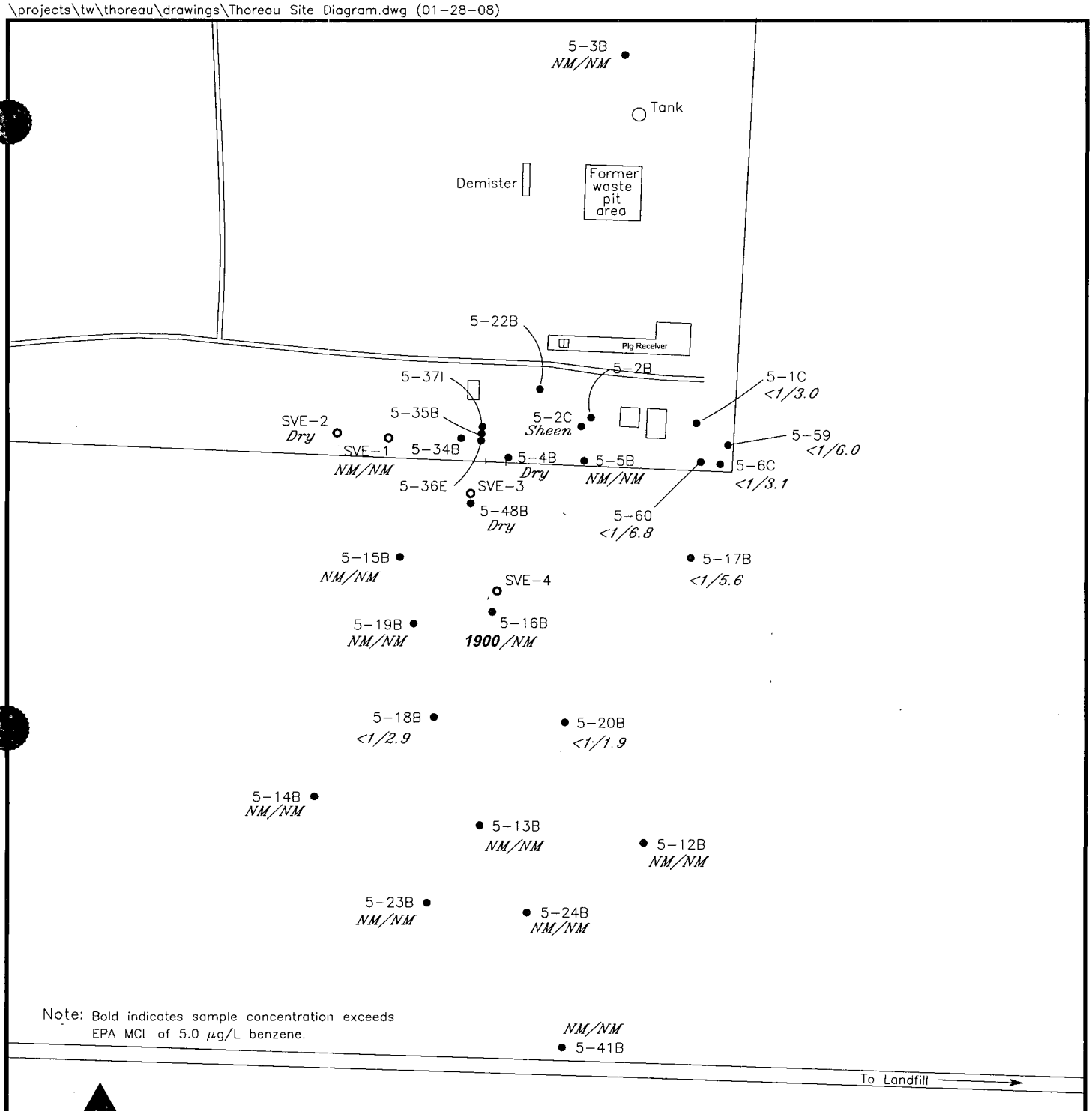
Ground Water Surface Elevation in the Perched Alluvial Aquifer

September 2008

Figure 3

CYPRESS ENGINEERING SERVICES, INC.

\projects\tw\thoreau\drawings\Thoreau Site Diagram.dwg (01-28-08)



Note: Bold indicates sample concentration exceeds EPA MCL of 5.0 µg/L benzene.

Explanation

- Monitor well
- Soil vapor extraction well
- 0.7/1.36 — Benzene (µg/L)/dissolved oxygen (mg/L) concentrations
- NM — Not measured
- Compressor station boundary

THOREAU COMPRESSOR STATION

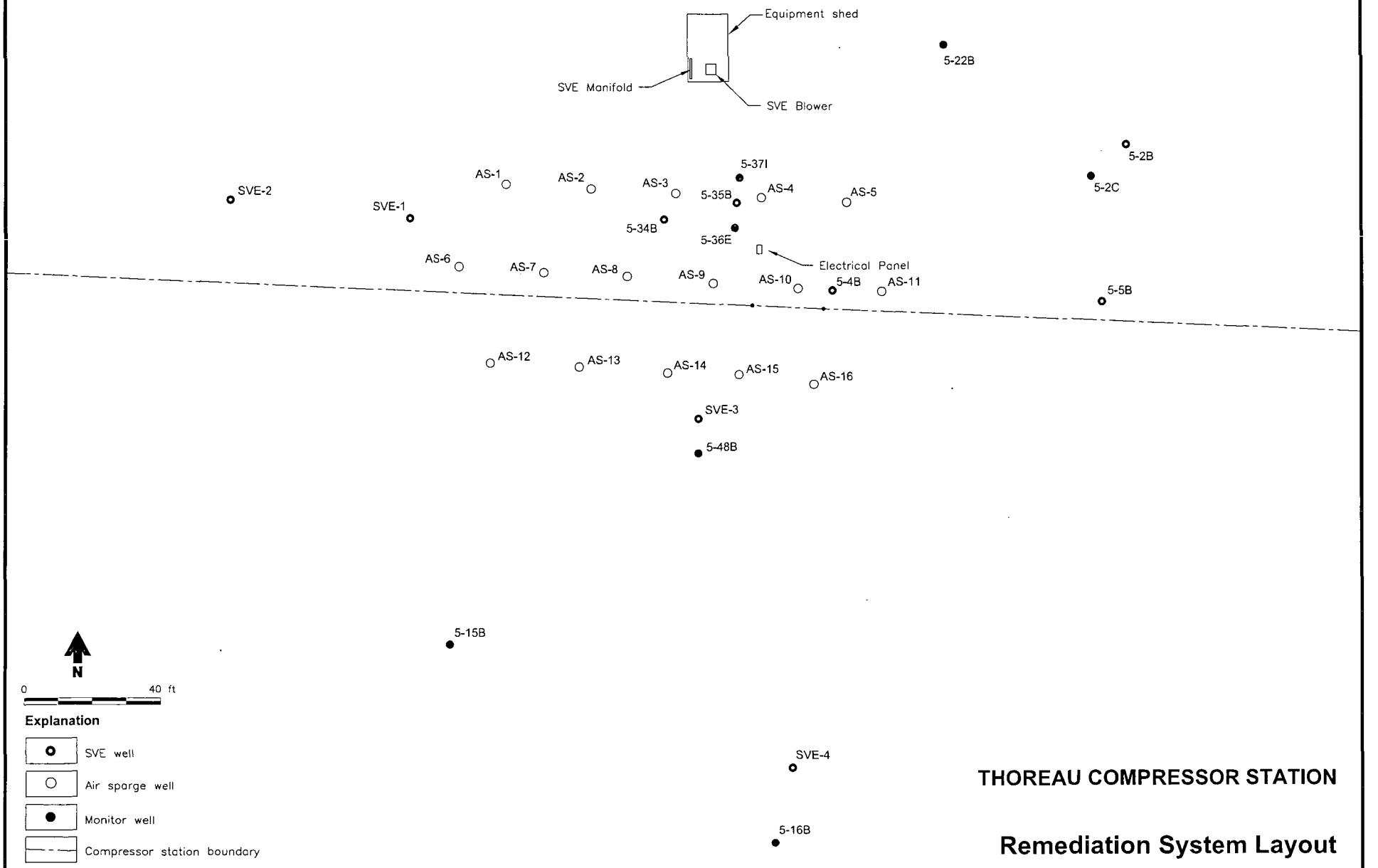
Benzene and Dissolved Oxygen Concentrations in the Perched Alluvial Aquifer

September 2008

Figure 4

CYPRESS ENGINEERING SERVICES, INC.

f:\...\project...thoreau\drawings\thoreau remediation system layout.dwg (09/24/04)



THOREAU COMPRESSOR STATION

Remediation System Layout

Figure 5

CYPRESS ENGINEERING SERVICES, INC.

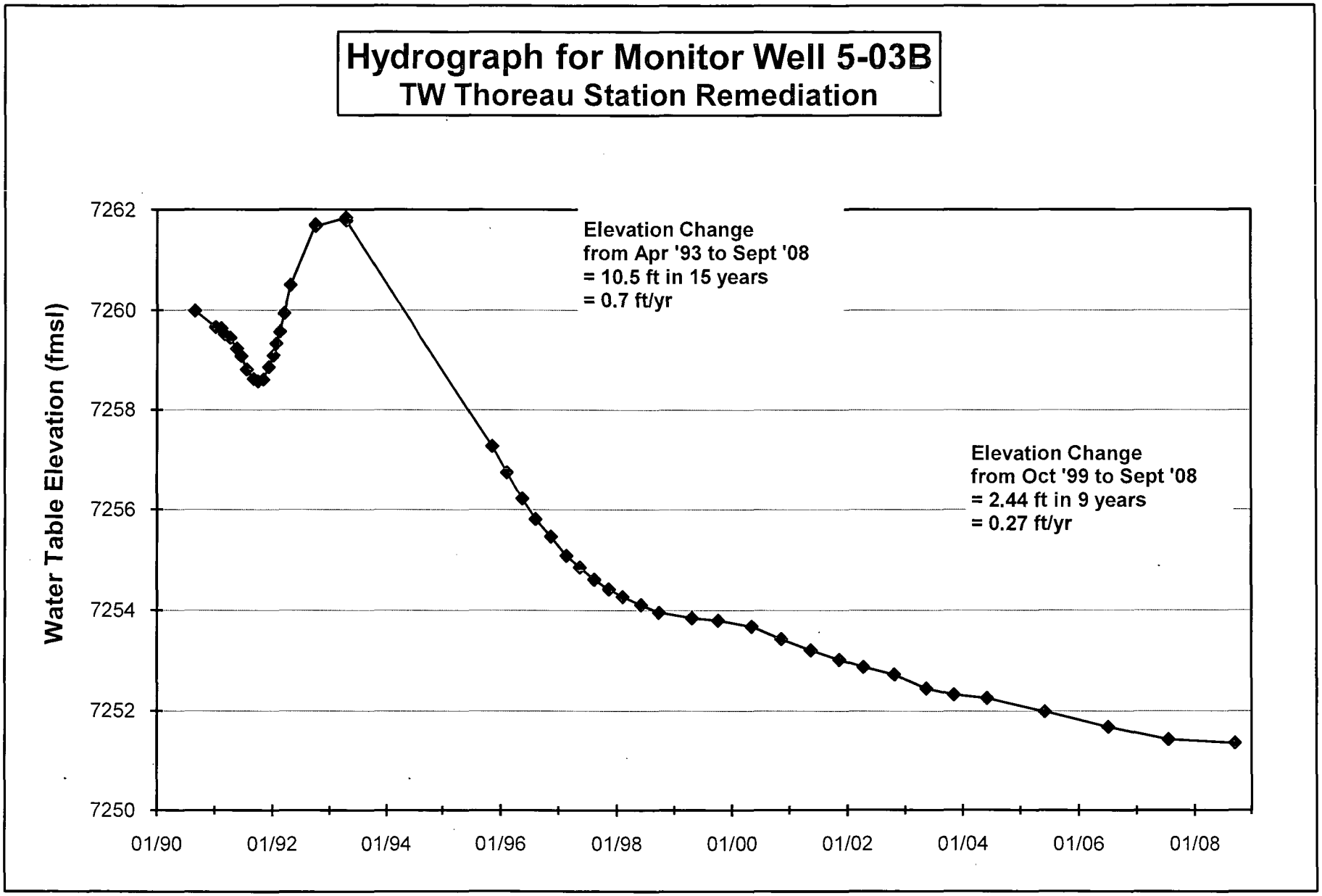

Hydrograph for Monitor Well 5-03B
TW Thoreau Station Remediation
Water Table Elevation (fmsl)
7262
7260
7258
7256
7254
7252
7250
01/90
01/92
01/94
01/96
01/98
01/00
01/02
01/04
01/06
01/08
Elevation Change
from Apr '93 to Sept '08
= 10.5 ft in 15 years
= 0.7 ft/yr
Elevation Change
from Oct '99 to Sept '08
= 2.44 ft in 9 years
= 0.27 ft/yr

Figure 6

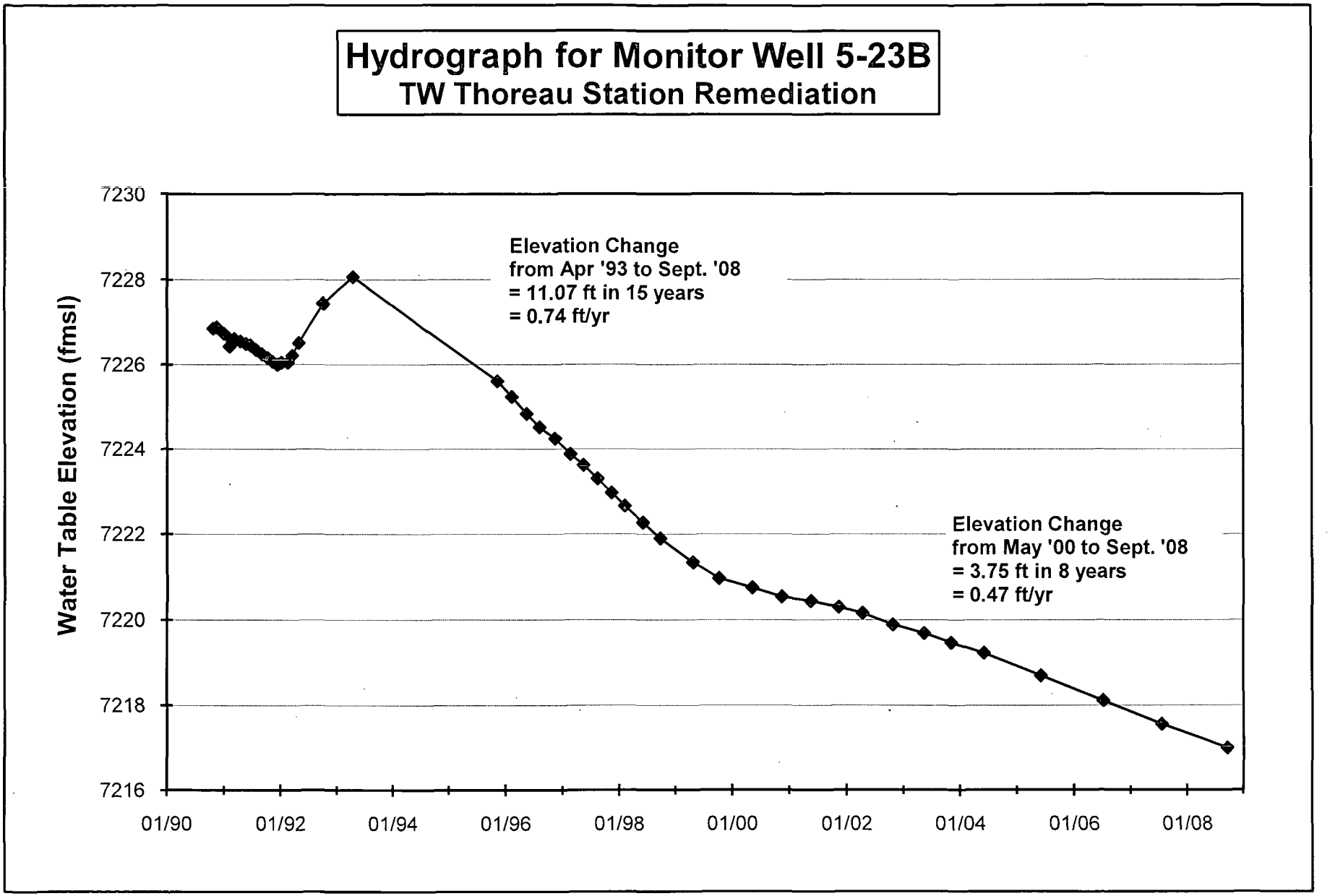

Hydrograph for Monitor Well 5-23B
TW Thoreau Station Remediation
Water Table Elevation (fmsl)
7230
7228
7226
7224
7222
7220
7218
7216
01/90
01/92
01/94
01/96
01/98
01/00
01/02
01/04
01/06
01/08
Elevation Change
from Apr '93 to Sept. '08
= 11.07 ft in 15 years
= 0.74 ft/yr
Elevation Change
from May '00 to Sept. '08
= 3.75 ft in 8 years
= 0.47 ft/yr

Figure 7

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 01B	7,290.53	08/29/90	44.69	7245.84
		11/08/90	44.70	7245.83
		01/08/91	44.82	7245.71
		02/05/91	44.86	7245.67
		03/05/91	44.91	7245.62
		04/10/91	44.94	7245.59
		05/21/91	45.08	7245.45
		06/18/91	45.15	7245.38
		07/23/91	45.28	7245.25
		09/04/91	45.38	7245.15
		10/02/91	45.52	7245.01
		11/06/91	45.63	7244.90
		12/10/91	45.64	7244.89
		01/09/92	45.61	7244.92
		01/27/92	45.53	7245.00
		02/20/92	45.39	7245.14
		03/18/92	45.18	7245.35
		04/29/92	44.78	7245.75
		10/06/92	43.71	7246.82
		10/14/92	43.67	7246.86
		04/19/93	42.96	7247.57
		11/14/95	46.16	7244.37
		02/15/96	46.64	7243.89
		05/21/96	47.32	7243.21
		08/12/96	NM	--
		11/18/96	47.91	7242.62
		02/24/97	48.31	7242.22
		05/19/97	48.57	7241.96
	(Recorded DTW=49.77?)	08/18/97	48.77	7241.76
		11/16/97	49.03	7241.50
5 01C	7,292.11	02/10/98	TP	--
		06/08/98	TP	--
		09/29/98	TP	--
		04/27/99	TP	--
		10/11/99	TP	--
		05/10/00	51.45	7240.66
		11/14/00	51.73	7240.38
		05/21/01	51.85	7240.26
		11/16/01	52.00	7240.11
		04/17/02	52.05	7240.06
		10/30/02	52.23	7239.88
		05/21/03	52.25	7239.86
		11/10/03	52.43	7239.68
		06/07/04	52.53	7239.58
		06/08/05	52.63	7239.48
		07/10/06	52.85	7239.26
		07/25/07	52.93	7239.18
		09/22/08	53.06	7239.05

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 02B	7,292.06	08/29/90	47.60	7244.46
		11/08/90	47.72	7244.34
		01/11/91	47.88	7244.18
		02/12/91	47.90	7244.16
		03/05/91	47.93	7244.13
		04/11/91	47.92	7244.14
		05/20/91	48.14	7243.92
		06/18/91	48.23	7243.83
		07/24/91	48.36	7243.70
		09/05/91	48.55	7243.51
		10/03/91	48.62	7243.44
		11/05/91	48.73	7243.33
		12/12/91	48.68	7243.38
		01/09/92	48.58	7243.48
		01/28/92	48.48	7243.58
		02/20/92	48.27	7243.79
		03/19/92	47.98	7243.79
		04/29/92	47.38	7244.68
		10/06/92	46.09	7245.97
		10/14/92	46.07	7245.99
		04/19/93	45.38	7246.68
		04/22/93	45.36	7246.70
		11/14/95	49.32	7242.74
		02/15/96	49.84	7242.22
		05/21/96	50.47	7241.59
		08/12/96	NM	--
		11/21/96	51.66	7240.40
		02/24/97	TP	--
		05/19/97	TP	--
		08/18/97	NM	--
		11/16/97	NM	--
	7,293.24 (w/SVE ext)	02/10/98	NM	--
	PSH @ 55.70	10/11/99	55.75	7237.53
		05/10/00	55.08	7238.16
	PSH @ 55.92	11/14/00	56.09	7237.28
	PSH @ 56.03	05/21/01	56.33	7237.14
	PSH @ 56.28	11/16/01	56.36	7236.94
	PSH @ 56.27	04/17/02	56.33	7236.96
	PSH @ 56.53	10/30/02	56.53	7236.91
		05/21/03	56.07	7237.17
		11/10/03	56.89	7236.35
		06/07/04	56.86	7236.38
		06/08/05	56.85	7236.39
		07/10/06	56.92	7236.32
		07/25/07	56.90	7236.34
		09/22/08	56.66	7236.58

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 02C	7,291.82	02/10/98	53.15	7238.67
		06/08/98	53.36	7238.46
		09/29/98	53.88	7237.94
		04/27/99	54.05	7237.77
		08/03/99	54.40	7237.42
		08/27/99	54.47	7237.35
		10/11/99	54.58	7237.24
		02/28/00	54.26	7237.56
		05/10/00	54.07	7237.75
		11/14/00	54.81	7237.01
		05/21/01	55.01	7236.81
		11/16/01	55.25	7236.57
		04/17/02	55.37	7236.45
		10/30/02	55.57	7236.25
		05/21/03	55.81	7236.01
		11/10/03	56.07	7235.75
		06/07/04	56.36	7235.46
		06/08/05	56.68	7235.14
	PSH @ 57.47	07/10/06	57.74	7234.29
	Sheen	07/25/07	57.07	7234.75
	Sheen	09/22/08	56.50	7235.32

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 03B	7,303.76	08/29/90	43.77	7259.99
		01/07/91	44.10	7259.66
		02/12/91	44.12	7259.64
		03/05/91	44.24	7259.52
		04/10/91	44.31	7259.45
		05/21/91	44.53	7259.23
		06/18/91	44.68	7259.08
		07/23/91	44.95	7258.81
		09/04/91	45.14	7258.62
		10/02/91	45.19	7258.57
		11/05/91	45.15	7258.61
		12/10/91	44.90	7258.86
		01/09/92	44.67	7259.09
		01/27/92	44.43	7259.33
		02/19/92	44.19	7259.57
		03/17/92	43.82	7259.94
		04/28/92	43.26	7260.50
		10/06/92	42.06	7261.70
		10/07/92	42.09	7261.67
		04/19/93	41.92	7261.84
		04/20/93	41.98	7261.78
		11/14/95	46.49	7257.27
		02/15/96	47.02	7256.74
		05/21/96	47.54	7256.22
		08/12/96	47.95	7255.81
		11/18/96	48.30	7255.46
		02/24/97	48.68	7255.08
		05/19/97	48.91	7254.85
		08/18/97	49.15	7254.61
		11/16/97	49.34	7254.42
		02/10/98	49.49	7254.27
		06/08/98	49.65	7254.11
		09/29/98	49.80	7253.96
		04/27/99	49.91	7253.85
		10/11/99	49.96	7253.80
		05/10/00	50.08	7253.68
		11/14/00	50.33	7253.43
		05/21/01	50.55	7253.21
		11/16/01	50.74	7253.02
		04/17/02	50.88	7252.88
		10/30/02	51.03	7252.73
		05/20/03	51.31	7252.45
		11/10/03	51.43	7252.33
		06/07/04	51.50	7252.26
		06/08/05	51.77	7251.99
		07/10/06	52.08	7251.68
		07/25/07	52.33	7251.43
		09/22/08	52.40	7251.36

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 04B	7,292.39	08/29/90	48.35	7244.04
		11/08/90	48.42	7243.97
		01/11/91	48.42	7243.97
		01/31/91	48.94	7243.45
		03/04/91	48.68	7243.71
		04/12/91	48.79	7243.60
		05/21/91	49.90	7242.49
		06/17/91	49.00	7243.39
		07/24/91	49.15	7243.24
		09/04/91	49.34	7243.05
		10/03/91	49.44	7242.95
		11/05/91	49.50	7242.89
		12/12/91	48.40	7243.99
		01/09/92	49.23	7243.16
		01/28/92	49.11	7243.28
		02/19/92	48.91	7243.48
		03/18/92	47.22	7245.17
	(Recorded DTW=47.65?)	04/28/92	46.65	7245.74
		10/06/92	46.36	7246.03
		10/13/92	46.35	7246.04
		04/19/93	45.77	7246.62
		04/21/93	45.79	7246.60
		11/14/95	50.21	7242.18
		02/15/96	50.82	7241.57
		05/21/96	NM	--
		08/12/96	NM	--
		11/18/96	NM	--
		02/24/97	NM	--
		05/19/97	NM	--
		08/18/97	NM	--
		11/16/97	NM	--
	7292.72 (w/SVE ext)	02/10/98	54.70	7238.02
		10/11/99	55.95	7236.77
		05/10/00	55.53	7237.19
		11/14/00	56.48	7236.24
		05/21/01	56.65	7236.07
		11/16/01	56.91	7235.81
		04/17/02	57.10	7235.62
		10/30/02	57.21	7235.51
		05/21/03	57.57	7235.15
		11/10/03	57.81	7234.91
		06/07/04	58.55	7234.17
		06/08/05	58.56	7234.16
		07/10/06	58.78	7233.94
		07/25/07	58.78	7233.94
		09/22/08	dry	--

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 05B	7,290.83	08/29/90	47.50	7243.33
		11/08/90	47.25	7243.58
		01/10/91	47.14	7243.69
		02/05/91	47.20	7243.63
		03/05/91	47.20	7243.63
		04/18/91	47.34	7243.49
		05/21/91	47.44	7243.39
		06/18/91	47.52	7243.31
		07/24/91	47.69	7243.14
		09/05/91	47.83	7243.00
		10/02/91	47.54	7243.29
		11/04/91	48.02	7242.81
		12/10/91	47.94	7242.89
		01/09/92	47.87	7242.96
		01/27/92	47.74	7243.09
		02/19/92	47.58	7243.25
	(Recorded DTW=48.43?)	03/17/92	47.43	7243.40
		04/28/92	46.61	7244.22
		10/06/92	45.39	7245.44
		10/12/92	45.37	7245.46
		04/19/93	44.76	7246.07
		04/21/93	44.75	7246.08
		11/14/95	48.59	7242.24
		02/15/96	49.12	7241.71
		05/21/96	49.71	7241.12
		08/12/96	50.22	7240.61
		11/18/96	50.65	7240.18
		02/24/97	51.14	7239.69
		05/19/97	NM	--
		08/18/97	NM	--
		11/16/97	NM	--
	7292.02 (w/SVE ext)	02/10/98	53.51	7238.51
		10/11/99	55.02	7237.00
		05/10/00	54.61	7237.41
		11/14/00	55.23	7236.79
		05/21/01	55.38	7236.64
		11/16/01	55.61	7236.41
		04/17/02	55.76	7236.26
		10/30/02	56.01	7236.01
		05/21/03	56.27	7235.75
		11/10/03	56.53	7235.49
		06/07/04	56.85	7235.17
		06/08/05	57.29	7234.73
		07/10/06	57.74	7234.28
		07/25/07	57.96	7234.06
		09/22/08	57.85	7234.17

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 06B	7,289.30	08/29/90	43.47	7245.83
		11/08/90	43.24	7246.06
		01/08/91	43.42	7245.88
		02/12/91	43.50	7245.80
		03/05/91	43.50	7245.80
		04/18/91	43.61	7245.69
		05/21/91	43.66	7245.64
		06/18/91	43.74	7245.56
		07/23/91	43.83	7245.47
		09/05/91	44.00	7245.30
		10/03/91	44.06	7245.24
		11/05/91	44.16	7245.14
		12/10/91	44.17	7245.13
		01/09/92	44.16	7245.14
		01/27/92	44.08	7245.22
		02/20/92	43.94	7245.36
		03/18/92	43.76	7245.54
		04/29/92	43.43	7245.87
		10/06/92	42.52	7246.78
		10/14/92	42.49	7246.81
		04/19/93	41.94	7247.36
		11/14/95	44.64	7244.66
		02/15/96	44.99	7244.31
		05/21/96	45.41	7243.89
		08/12/96	45.65	7243.65
		11/18/96	45.92	7243.38
		02/24/97	46.30	7243.00
		05/19/97	46.54	7242.76
		08/18/97	46.73	7242.57
		11/16/97	47.01	7242.29
5 06C	7,291.46	02/10/98	49.31	7242.15
		06/08/98	49.52	7241.94
		09/29/98	49.78	7241.68
		04/27/99	50.03	7241.43
		08/03/99	50.15	7241.31
		08/27/99	50.23	7241.23
		10/11/99	50.05	7241.41
		02/28/00	50.18	7241.28
		05/10/00	50.18	7241.28
		11/14/00	50.47	7240.99
		05/21/01	50.62	7240.84
		11/16/01	49.81	7241.65
		04/17/02	50.93	7240.53
		10/30/02	51.11	7240.35
		05/21/03	51.19	7240.27
		11/10/03	51.37	7240.09
		06/07/04	51.45	7240.01
		06/08/05	51.61	7239.85
		07/10/06	51.90	7239.56
		07/25/07	52.09	7239.37
		09/22/08	52.26	7239.20

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 12B	7,279.61	08/14/90	48.85	7230.76
		11/15/90	48.92	7230.69
		01/09/91	48.96	7230.65
		02/13/91	49.00	7230.61
		03/07/91	49.00	7230.61
		04/12/91	49.05	7230.56
		05/22/91	49.12	7230.49
		06/19/91	49.20	7230.41
		07/25/91	49.27	7230.34
		09/16/91	49.37	7230.24
		10/09/91	49.43	7230.18
		01/07/92	49.49	7230.12
		04/30/92	49.07	7230.54
		10/06/92	48.27	7231.34
		10/08/92	48.28	7231.34
		04/19/93	47.45	7232.16
		11/14/95	49.71	7229.90
		02/15/96	50.02	7229.59
		05/21/96	50.31	7229.30
		08/12/96	50.61	7229.00
		11/18/96	50.89	7228.72
		02/24/97	51.24	7228.37
		05/19/97	51.49	7228.12
		08/18/97	51.78	7227.83
		11/16/97	52.07	7227.54
		02/10/98	52.28	7227.33
		06/08/98	52.51	7227.10
		09/29/98	52.78	7226.83
		04/27/99	53.11	7226.50
		10/11/99	53.37	7226.24
		05/10/00	53.36	7226.25
		11/14/00	NM	--
		05/21/01	53.14	7226.47
		11/16/01	53.77	7225.84
		04/17/02	53.68	7225.93
		10/30/02	53.89	7225.72
		05/20/03	54.00	7225.61
		11/10/03	54.09	7225.52
		06/07/04	54.15	7225.46
		06/08/05	54.41	7225.20
		07/10/06	54.60	7225.01
		07/25/07	54.79	7224.82
		09/22/08	54.90	7224.71

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 13B	7,282.43	08/14/90	52.43	7230.00
		11/15/90	52.76	7229.67
		01/09/91	52.82	7229.61
		02/07/91	52.89	7229.54
		03/07/91	52.92	7229.51
		04/12/91	53.00	7229.43
		05/22/91	53.06	7229.37
		06/19/91	53.15	7229.28
		07/26/91	53.26	7229.17
		09/16/91	53.36	7229.07
		10/10/91	53.42	7229.01
		01/08/92	53.58	7228.85
		05/01/92	52.88	7229.55
		10/06/92	51.80	7230.63
		10/13/92	51.78	7230.65
		04/19/93	51.08	7231.35
		11/14/95	53.85	7228.58
		02/15/96	54.18	7228.25
		05/21/96	54.52	7227.91
		08/12/96	54.81	7227.62
		11/18/96	55.05	7227.38
		02/24/97	55.37	7227.06
		05/19/97	55.60	7226.83
		08/18/97	55.87	7226.56
		11/16/97	56.13	7226.30
		02/10/98	56.36	7226.07
		06/08/98	56.63	7225.80
		09/29/98	56.90	7225.53
		04/27/99	57.31	7225.12
		10/11/99	57.75	7224.68
		05/10/00	57.90	7224.53
		11/14/00	58.18	7224.25
		05/21/01	58.31	7224.12
		11/16/01	58.47	7223.96
		04/17/02	58.60	7223.83
		10/30/02	58.90	7223.53
		05/20/03	59.08	7223.35
		11/10/03	59.28	7223.15
		06/07/04	59.49	7222.94
		06/08/05	59.50	7222.93
		07/10/06	60.40	7222.03
		07/25/07	60.79	7221.64
		09/22/08	61.14	7221.29

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 14B	7,285.76	08/14/90	55.14	7230.62
		11/14/90	55.02	7230.74
		01/09/91	55.12	7230.64
		02/07/91	55.19	7230.57
		03/07/91	55.21	7230.55
		04/12/91	55.64	7230.12
		05/22/91	55.36	7230.40
		06/19/91	55.38	7230.38
		07/25/91	55.54	7230.22
		09/16/91	55.63	7230.13
		10/09/91	55.72	7230.04
		01/06/92	55.74	7230.02
		04/30/92	55.02	7230.74
		10/06/92	53.94	7231.82
		10/08/92	53.93	7231.83
		04/19/93	53.25	7232.51
		11/14/95	56.25	7229.51
		02/15/96	56.62	7229.14
		05/21/96	57.02	7228.74
		08/12/96	57.33	7228.43
		11/18/96	57.64	7228.12
		02/24/97	58.01	7227.75
		05/19/97	58.27	7227.49
		08/18/97	58.56	7227.20
		11/16/97	58.86	7226.90
		02/10/98	59.08	7226.68
		06/08/98	59.41	7226.35
		09/29/98	59.69	7226.07
		04/27/99	60.17	7225.59
		10/11/99	60.43	7225.33
		05/10/00	60.56	7225.20
		11/14/00	60.71	7225.05
		05/21/01	60.77	7224.99
		11/16/01	60.98	7224.78
		04/17/02	61.19	7224.57
		10/30/02	61.55	7224.21
		05/20/03	61.84	7223.92
		11/10/03	62.11	7223.65
		06/07/04	62.36	7223.40
		06/08/05	62.92	7222.84
		07/10/06	63.48	7222.28
		07/25/07	63.95	7221.81
		09/22/08	64.50	7221.26

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 15B	7,292.92	08/14/90	49.86	7243.06
		11/14/90	49.98	7242.94
	(Recorded DTW=51.10?)	01/10/91	50.10	7242.82
		02/07/91	50.16	7242.76
		03/06/91	50.17	7242.75
		04/10/91	50.25	7242.67
		05/23/91	50.45	7242.47
		06/19/91	50.54	7242.38
		07/25/91	50.70	7242.22
		09/16/91	50.92	7242.00
		10/09/91	50.95	7241.97
		01/07/92	50.57	7242.35
		04/30/92	48.74	7244.18
		10/06/92	47.75	7245.17
		10/08/92	47.74	7245.18
		04/19/93	47.41	7245.51
		11/14/95	51.84	7241.08
		02/15/96	52.42	7240.50
		05/21/96	53.04	7239.88
		08/12/96	53.52	7239.40
		11/18/96	53.99	7238.93
		02/24/97	54.48	7238.44
		05/19/97	54.60	7238.32
		08/18/97	55.18	7237.74
		11/16/97	55.48	7237.44
		02/10/98	55.70	7237.22
		06/08/98	56.00	7236.92
		09/29/98	56.35	7236.57
		04/27/99	56.55	7236.37
		08/03/99	57.02	7235.90
		08/27/99	57.10	7235.82
		10/11/99	56.98	7235.94
		02/28/00	56.60	7236.32
		05/10/00	56.63	7236.29
		11/14/00	56.78	7236.14
		05/21/01	57.03	7235.89
		11/16/01	57.28	7235.64
		04/17/02	57.56	7235.36
		10/30/02	57.74	7235.18
		05/21/03	58.05	7234.87
		11/10/03	58.36	7234.56
		06/07/04	58.73	7234.19
		06/08/05	59.35	7233.57
		07/10/06	59.99	7232.93
		07/25/07	61.65	7231.27
		09/22/08	60.77	7232.15

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 16B	7,288.82	08/14/90	47.21	7241.61
		11/14/90	47.46	7241.36
		01/10/91	47.60	7241.22
		02/06/91	47.62	7241.20
		03/06/91	47.63	7241.19
		04/09/91	47.73	7241.09
		05/23/91	47.87	7240.95
		06/18/91	47.91	7240.91
		07/26/91	48.04	7240.78
		09/03/91	48.17	7240.65
		10/11/91	48.30	7240.52
		11/12/91	48.34	7240.48
		12/12/91	48.22	7240.60
		01/08/92	48.11	7240.71
		02/20/92	47.76	7241.06
		03/18/92	47.43	7241.39
		04/29/92	46.89	7241.93
		10/06/92	45.97	7242.85
		10/13/92	45.95	7242.87
		04/19/93	45.61	7243.21
		04/20/93	45.62	7243.20
		11/14/95	48.88	7239.94
		02/15/96	49.33	7239.49
		05/21/96	50.11	7238.71
		08/12/96	50.41	7238.41
		11/18/96	50.74	7238.08
		02/24/97	51.08	7237.74
		05/19/97	51.35	7237.47
		08/18/97	51.67	7237.15
		11/16/97	52.02	7236.80
		02/10/98	52.16	7236.66
		06/08/98	52.42	7236.40
		09/29/98	52.86	7235.96
		04/27/99	53.02	7235.80
		08/03/99	53.98	7234.84
		08/27/99	54.06	7234.76
		10/11/99	53.66	7235.16
		02/28/00	53.21	7235.61
		05/10/00	53.50	7235.32
		11/14/00	53.52	7235.30
		05/21/01	53.71	7235.11
		11/16/01	53.93	7234.89
		04/17/02	54.11	7234.71
		10/30/02	54.34	7234.48
		05/21/03	54.65	7234.17
		11/10/03	54.94	7233.88
		06/07/04	55.32	7233.50
		06/08/05	55.94	7232.88
		07/10/06	56.57	7232.25
		07/25/07	57.11	7231.71
		09/22/08	57.50	7231.32

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 17B	7,284.75	08/14/90	40.79	7243.96
		11/15/90	40.83	7243.92
		01/10/91	40.96	7243.79
		02/08/91	40.99	7243.76
		03/06/91	41.01	7243.74
		04/11/91	41.06	7243.69
		05/22/91	41.14	7243.61
		06/18/91	41.23	7243.52
		07/25/91	41.34	7243.41
		09/16/91	41.50	7243.25
		10/09/91	41.60	7243.15
		01/07/92	41.60	7243.15
		02/19/92	41.46	7243.29
		03/17/92	41.21	7243.54
		04/28/92	40.84	7243.91
		10/06/92	39.97	7244.78
		10/07/92	39.97	7244.78
		04/19/93	39.40	7245.35
		11/14/95	42.06	7242.69
		02/15/96	42.46	7242.29
		05/21/96	42.94	7241.81
		08/12/96	43.33	7241.42
		11/18/96	43.72	7241.03
		02/24/97	44.14	7240.61
		05/19/97	44.44	7240.31
		08/18/97	44.76	7239.99
		11/16/97	45.07	7239.68
		02/10/98	45.30	7239.45
		06/08/98	45.58	7239.17
		09/29/98	45.97	7238.78
		04/27/99	46.36	7238.39
		10/11/99	46.78	7237.97
		05/10/00	46.57	7238.18
		11/14/00	47.19	7237.56
		05/21/01	47.34	7237.41
		11/16/01	47.58	7237.17
		04/17/02	47.70	7237.05
		10/30/02	48.04	7236.71
		05/20/03	48.22	7236.53
		11/10/03	48.51	7236.24
		06/07/04	48.69	7236.06
		06/08/05	48.73	7236.02
		07/10/06	49.71	7235.04
		07/25/07	49.99	7234.76
		09/22/08	50.06	7234.69

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 18B	7,286.41	08/14/90	51.67	7234.74
		08/24/90	51.68	7234.73
		11/15/90	51.60	7234.81
		01/04/91	51.66	7234.75
		02/13/91	51.76	7234.65
		03/06/91	51.79	7234.62
		04/16/91	51.90	7234.51
		06/19/91	52.05	7234.36
		07/26/91	52.21	7234.20
		09/16/91	52.35	7234.06
		10/11/91	52.41	7234.00
		01/08/92	52.40	7234.01
		05/01/92	51.38	7235.03
		10/06/92	50.24	7236.17
		10/13/92	50.22	7236.19
		04/19/93	49.68	7236.73
		04/22/93	49.70	7236.71
		11/14/95	53.04	7233.37
		02/15/96	53.49	7232.92
		05/21/96	53.94	7232.47
		08/12/96	54.31	7232.10
		11/18/96	54.64	7231.77
		02/24/97	55.03	7231.38
		05/19/97	55.25	7231.16
		08/18/97	55.51	7230.90
		11/16/97	55.75	7230.66
		02/10/98	55.94	7230.47
		06/08/98	56.18	7230.23
		09/29/98	56.43	7229.98
		04/27/99	56.81	7229.60
		10/11/99	57.26	7229.15
		05/10/00	57.18	7229.23
		11/14/00	57.38	7229.03
		05/21/01	57.47	7228.94
		11/16/01	57.87	7228.54
		04/17/02	57.85	7228.56
		10/30/02	58.16	7228.25
		05/20/03	58.40	7228.01
		11/10/03	58.71	7227.70
		06/07/04	59.03	7227.38
		06/08/05	59.65	7226.76
		07/10/06	60.29	7226.12
		07/25/07	60.82	7225.59
		09/22/08	61.28	7225.13

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 19B	7,290.52	08/14/90	49.44	7241.08
		11/14/90	49.76	7240.76
		01/10/91	49.86	7240.66
		02/07/91	49.90	7240.62
		03/06/91	49.92	7240.60
		04/09/91	50.02	7240.50
	Questionable (DTW=50.12?)	05/23/91	50.92	7239.60
		06/19/91	50.23	7240.29
		07/26/91	50.37	7240.15
		09/16/91	50.55	7239.97
		10/10/91	50.60	7239.92
		01/08/92	50.36	7240.16
		02/20/92	50.04	7240.48
		03/19/92	49.60	7240.92
		04/29/92	48.97	7241.55
		10/06/92	48.05	7242.47
		10/13/92	48.04	7242.48
		04/19/93	47.73	7242.79
		11/14/95	51.30	7239.22
		02/15/96	51.75	7238.77
		05/21/96	52.26	7238.26
		08/12/96	52.66	7237.86
		11/18/96	53.02	7237.50
		02/24/97	53.44	7237.08
		05/19/97	53.73	7236.79
		08/18/97	TP	--
		11/16/97	54.29	7236.23
		02/10/98	54.49	7236.03
		06/08/98	54.74	7235.78
		09/29/98	55.05	7235.47
		04/27/99	55.26	7235.26
		08/03/99	55.78	7234.74
		08/27/99	55.87	7234.65
		10/11/99	55.73	7234.79
		02/28/00	55.33	7235.19
		05/10/00	55.39	7235.13
		11/14/00	55.51	7235.01
		05/21/01	55.74	7234.78
		11/16/01	55.96	7234.56
		04/17/02	56.11	7234.41
		10/30/02	56.36	7234.16
		05/20/03	56.60	7233.92
		11/10/03	56.88	7233.64
		06/07/04	57.24	7233.28
		06/08/05	57.84	7232.68
		07/10/06	58.43	7232.09
		07/25/07	58.89	7231.63
		09/22/08	59.24	7231.28

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 20B	7,284.60	08/14/90	48.50	7236.10
		01/09/91	48.70	7235.90
		02/07/91	48.79	7235.81
		03/07/91	48.80	7235.80
		04/16/91	48.88	7235.72
		05/20/91	48.92	7235.68
		06/19/91	49.02	7235.58
		07/26/91	49.13	7235.47
		09/16/91	49.25	7235.35
		10/10/91	49.32	7235.28
		01/08/92	49.36	7235.24
		05/01/92	48.48	7236.12
		10/06/92	47.61	7236.99
		10/12/92	47.58	7237.02
		04/19/93	47.26	7237.34
		04/21/93	47.31	7237.29
		11/14/95	49.63	7234.97
		02/15/96	50.03	7234.57
		05/21/96	50.39	7234.21
		08/12/96	50.66	7233.94
		11/18/96	50.99	7233.61
		02/24/97	51.28	7233.32
		05/19/97	51.54	7233.06
		08/18/97	51.88	7232.72
		11/16/97	52.21	7232.39
		02/10/98	52.46	7232.14
		06/08/98	52.62	7231.98
		09/29/98	52.95	7231.65
		04/27/99	53.30	7231.30
		10/11/99	53.78	7230.82
		05/10/00	53.23	7231.37
		11/14/00	53.53	7231.07
		05/21/01	53.62	7230.98
		11/16/01	53.73	7230.87
		04/17/02	53.78	7230.82
		10/30/02	54.04	7230.56
		05/20/03	54.17	7230.43
		11/10/03	54.29	7230.31
		06/07/04	54.45	7230.15
		06/08/05	54.50	7230.10
		07/10/06	55.33	7229.27
		07/25/07	55.74	7228.86
		09/22/08	56.02	7228.58

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 22B	7,292.74	10/25/90	48.08	7244.66
		11/15/90	48.08	7244.66
		01/10/91	48.33	7244.41
		02/04/91	48.38	7244.36
		03/06/91	48.42	7244.32
		04/11/91	48.49	7244.25
		05/21/91	48.65	7244.09
		06/17/91	48.76	7243.98
		07/24/91	49.24	7243.50
		09/04/91	49.06	7243.68
		10/03/91	49.19	7243.55
		11/04/91	49.26	7243.48
		12/12/91	49.15	7243.59
		01/10/92	49.00	7243.74
		01/28/92	48.84	7243.90
		02/19/92	48.67	7244.07
		03/18/92	48.24	7244.50
		04/28/92	47.46	7245.28
		10/06/92	45.97	7246.77
		10/08/92	45.98	7246.76
		04/19/93	45.34	7247.40
		11/14/95	NM	--
		02/15/96	NM	--
		05/21/96	51.25	7241.49
		08/12/96	51.91	7240.83
		11/18/96	NM	--
		02/27/97	52.95	7239.79
		05/19/97	53.13	7239.61
		08/18/97	53.51	7239.23
		11/16/97	53.79	7238.95
		02/10/98	53.86	7238.88
		09/08/98	54.05	7238.69
		09/29/98	54.16	7238.58
		04/27/99	54.00	7238.74
		10/11/99	54.13	7238.61
		05/10/00	53.60	7239.14
		11/14/00	54.15	7238.59
		05/21/01	54.20	7238.54
		11/16/01	54.28	7238.46
		04/17/02	54.04	7238.70
		10/30/02	54.19	7238.55
		05/21/03	54.23	7238.51
		11/10/03	54.28	7238.46
		06/07/04	54.21	7238.53
		06/08/05	53.90	7238.84
		07/10/06	54.03	7238.71
		07/25/07	53.83	7238.91
		09/22/08	53.69	7239.05

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 23B	7,282.63	10/25/90	55.78	7226.85
		11/15/90	55.75	7226.88
		01/03/91	55.90	7226.73
		02/07/91	56.20	7226.43
		03/07/91	56.02	7226.61
		04/16/91	56.08	7226.55
		05/22/91	56.14	7226.49
		06/19/91	56.17	7226.46
		07/25/91	56.28	7226.35
		09/03/91	56.38	7226.25
		10/09/91	56.47	7226.16
		11/11/91	56.56	7226.07
		12/13/91	56.63	7226.00
		01/07/92	56.58	7226.05
		02/18/92	56.58	7226.05
		03/17/92	56.42	7226.21
		04/30/92	56.12	7226.51
		10/06/92	55.19	7227.44
		10/09/92	55.19	7227.44
		04/19/93	54.56	7228.07
		11/14/95	57.02	7225.61
		02/15/96	57.39	7225.24
		05/21/96	57.79	7224.84
		08/12/96	58.11	7224.52
		11/18/96	58.38	7224.25
		02/24/97	58.75	7223.88
		05/19/97	59.01	7223.62
	(Recorded DTW=60.33?)	08/18/97	59.33	7223.30
		11/16/97	59.66	7222.97
		02/10/98	59.97	7222.66
		06/08/98	60.36	7222.27
		09/29/98	60.73	7221.90
		04/27/99	61.29	7221.34
		10/11/99	61.66	7220.97
		05/10/00	61.88	7220.75
		11/14/00	62.09	7220.54
		05/21/01	62.19	7220.44
		11/16/01	62.33	7220.30
		04/17/02	62.47	7220.16
		10/30/02	62.74	7219.89
		05/20/03	62.94	7219.69
		11/10/03	63.16	7219.47
		06/07/04	63.40	7219.23
		06/08/05	63.93	7218.70
		07/10/06	64.52	7218.11
		07/25/07	65.07	7217.56
		09/22/08	65.63	7217.00

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 24B	7,279.18	10/25/90	53.64	7225.54
		11/15/90	53.72	7225.46
		01/03/91	53.76	7225.42
		01/09/91	53.78	7225.40
		02/07/91	53.86	7225.32
		03/07/91	53.86	7225.32
		04/16/91	53.94	7225.24
		05/22/91	54.00	7225.18
		07/26/91	54.15	7225.03
		09/03/91	54.21	7224.97
		10/10/91	54.30	7224.88
		11/11/91	54.38	7224.80
		12/13/91	54.43	7224.75
		01/07/92	54.40	7224.78
		02/18/92	54.40	7224.78
		03/17/92	54.25	7224.93
		04/30/92	53.98	7225.20
		10/06/92	53.06	7226.12
		10/13/92	53.02	7226.16
		04/19/93	52.33	7226.85
		04/21/93	52.33	7226.85
		11/14/95	54.62	7224.56
		02/15/96	54.96	7224.22
		05/21/96	55.38	7223.80
		08/12/96	55.66	7223.52
		11/18/96	55.93	7223.25
		02/24/97	56.26	7222.92
		05/19/97	56.50	7222.68
		08/18/97	56.78	7222.40
		11/16/97	57.07	7222.11
		02/10/98	57.32	7221.86
		06/08/98	57.69	7221.49
		09/29/98	58.03	7221.15
		04/27/99	58.56	7220.62
		10/11/99	58.89	7220.29
		05/10/00	59.04	7220.14
		11/14/00	59.22	7219.96
		05/21/01	59.29	7219.89
		11/16/01	59.38	7219.80
		04/17/02	59.45	7219.73
		10/30/02	59.66	7219.52
		05/20/03	59.79	7219.39
		11/10/03	59.93	7219.25
		06/07/04	60.07	7219.11
		06/08/05	60.41	7218.77
		07/10/06	60.68	7218.50
		07/25/07	60.85	7218.33
		09/22/08	60.96	7218.22

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 34B	7,294.71	05/12/92	48.62	7246.09
		05/13/92	48.60	7246.11
		05/14/92	48.58	7246.13
		06/19/92	48.18	7246.53
		07/28/92	47.88	7246.83
		04/19/93	46.98	7247.73
		11/14/95	52.33	7242.38
		02/16/96	NM	--
		08/12/96	NM	--
		11/18/96	NM	--
		02/24/97	NM	--
		05/19/97	NM	--
		08/18/97	NM	--
		11/16/97	NM	--
	PSH @ 58.54	10/11/99	58.56	7236.17
	PSH @ 57.33	05/10/00	57.35	7236.46
	PSH @ 57.57	11/14/00	57.61	7236.39
	PSH @ 58.78	05/21/01	58.83	7235.92
	PSH @ 59.02	11/16/01	59.26	7235.63
	PSH @ 59.09	04/17/02	59.86	7235.44
	PSH @ 58.94	10/30/02	60.10	7235.49
	PSH @ 59.48	05/21/03	60.72	7234.93
	PSH @ 60.03	11/10/03	61.31	7234.37
	PSH @ 60.32	06/07/04	61.38	7234.14
	?	06/08/05	61.26	---
	PSH @ 59.42	08/05/05	61.33	7234.83
	PSH @ 61.02	07/10/06	61.56	7233.56
	PSH @ 62.44	07/25/07	62.97	7232.14
	PSH @ 61.35	09/22/08	61.40	7233.35

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 35B	7,296.11	05/05/92	50.55	7245.56
		05/14/92	50.32	7245.79
		05/30/92	50.14	7245.97
		06/19/92	49.94	7246.17
		06/29/92	49.81	7246.30
		07/24/92	49.61	7246.50
		08/07/92	49.51	7246.60
		08/31/92	49.35	7246.76
		09/15/92	49.29	7246.82
		09/29/92	49.26	7246.85
		10/14/92	49.20	7246.91
		04/19/93	48.79	7247.32
		04/22/93	48.73	7247.38
		11/14/95	NM	--
		02/15/96	NM	--
		08/12/96	NM	--
		11/18/96	NM	--
		02/24/97	NM	--
	PSH=sheen	05/19/97	56.21	7240.67
	PSH=0.9 ft	08/18/97	56.41	7240.47
		11/16/97	NM	--
	7295.33 (w/SVE ext) PSH not measured	02/10/98	55.79	7239.54
	PSH @ 57.15	10/11/99	57.16	7238.18
		05/10/00	56.68	7238.65
		11/14/00	57.30	7238.03
		05/21/01	57.51	7237.82
		11/16/01	57.75	7237.58
		04/17/02	57.96	7237.37
		10/30/02	57.97	7237.36
		05/21/03	58.31	7237.02
		11/10/03	58.43	7236.90
		06/07/04	58.69	7236.64
		06/08/05	58.89	7236.44
		07/10/06	58.99	7236.34
		07/25/07	58.97	7236.36
		09/22/08	58.43	7236.90
5 41B	7,279.73	10/06/92	61.03	7218.70
		10/09/92	60.99	7218.74
		04/19/93	60.38	7219.35
		04/20/93	60.40	7219.33
		11/14/95	61.90	7217.83
		02/15/96	62.26	7217.47
		05/21/96	62.72	7217.01
		08/12/96	63.12	7216.61
		11/18/96	63.52	7216.21
		02/24/97	63.97	7215.76
		05/19/97	64.36	7215.37
		08/18/97	64.72	7215.01
		11/16/97	NM	--
		02/10/98	NM	--
		05/10/00	NM	--
		11/14/00	NM	--

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 47B	7,268.35	10/06/92	62.71	7205.64
		10/07/92	62.71	7205.64
		04/19/93	62.18	7206.17
		04/20/93	62.20	7206.15
		11/14/95	62.77	7205.58
		02/15/96	63.27	7205.08
		05/21/96	63.83	7204.52
		08/12/96	64.31	7204.04
		11/18/96	64.75	7203.60
		02/24/97	TP	--
		05/19/97	65.39	7202.96
		08/18/97	66.03	7202.32
		11/16/97	NM	--
5 48B	7,292.64	10/06/92	46.80	7245.84
		10/12/92	46.96	7245.68
		04/19/93	46.52	7246.12
		04/21/93	46.51	7246.13
		11/14/95	51.00	7241.64
		02/15/96	51.60	7241.04
		05/21/96	52.22	7240.42
		08/12/96	52.75	7239.89
		11/18/96	53.24	7239.40
		02/24/97	53.76	7238.88
		05/19/97	54.11	7238.53
		08/18/97	54.49	7238.15
		11/16/97	54.78	7237.86
		09/29/98	55.67	7236.97
		04/27/99	55.93	7236.71
		08/03/99	56.32	7236.32
		08/27/99	56.41	7236.23
		10/11/99	56.44	7236.20
		02/28/00	56.19	7236.45
		05/10/00	56.08	7236.56
		11/14/00	56.35	7236.29
		05/21/01	56.57	7236.07
		11/16/01	56.82	7235.82
		04/17/02	57.05	7235.59
		10/30/02	57.22	7235.42
		05/21/03	57.54	7235.10
		11/10/03	57.82	7234.82
		06/07/04	58.23	7234.41
		06/08/05	58.86	7233.78
		07/10/06	59.44	7233.20
	(TD = 59.87)	07/25/07	59.84	7232.80
		09/22/08	dry	--
5 57B	7,257.80	04/19/93	59.97	7197.83
		11/14/95	60.21	7197.59
		02/15/96	60.58	7197.22
		05/21/96	61.03	7196.77
		08/12/96	61.44	7196.36
		11/18/96	61.80	7196.00
		02/24/97	62.20	7195.60
		05/19/97	62.51	7195.29
		08/18/97	62.82	7194.98
		11/16/97	NM	--

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
5 58B	7,279.38	04/19/93	64.09	7215.29
		11/14/95	65.55	7213.83
		02/15/96	66.16	7213.22
		05/21/96	66.83	7212.55
		08/12/96	67.37	7212.01
		11/18/96	67.86	7211.52
		02/24/97	68.42	7210.96
		05/19/97	68.82	7210.56
		08/18/97	69.21	7210.17
		11/16/97	NM	--
5 59	7,290.82	11/16/01	49.97	7240.85
		04/17/02	50.07	7240.75
		10/30/02	50.29	7240.53
		05/21/03	50.38	7240.44
		11/10/03	50.57	7240.25
		06/07/04	50.66	7240.16
		06/08/05	50.84	7239.98
		07/10/06	51.12	7239.70
		07/25/07	51.32	7239.50
		09/22/08	51.50	7239.32
5 60	7,290.83	11/16/01	52.01	7238.82
		04/17/02	52.07	7238.76
		10/30/02	52.27	7238.56
		05/21/03	52.33	7238.50
		11/10/03	52.51	7238.32
		06/07/04	52.60	7238.23
		06/08/05	52.75	7238.08
		07/10/06	52.97	7237.86
		07/25/07	53.10	7237.73
		09/22/08	53.26	7237.57
SVE-1	7,296.88	02/10/98	58.35	7238.53
		10/11/99	59.28	7237.60
		05/10/00	58.78	7238.10
		11/14/00	59.07	7237.81
		11/16/01	59.83	7237.05
		04/17/02	60.01	7236.87
		10/30/02	60.20	7236.68
		05/21/03	60.54	7236.34
		11/10/03	60.84	7236.04
		06/07/04	61.16	7235.72
		06/08/05	61.46	7235.42
		07/10/06	61.51	7235.37
		07/25/07	61.51	7235.37
		09/22/08	61.52	7235.36
SVE-2	7,297.68	02/10/98	58.85	7238.83
		10/11/99	59.57	7238.11
		05/10/00	58.99	7238.69
		11/14/00	59.29	7238.39
		11/16/01	60.14	7237.54
		04/17/02	60.28	7237.40
		10/30/02	60.49	7237.19
		05/21/03	60.83	7236.85
		11/10/03	61.18	7236.50
		06/07/04	61.49	7236.19
		06/08/05	61.67	7236.01
		07/10/06	dry	--
		07/25/07	dry	--
		09/22/08	dry	--

Table 1. Summary of Groundwater Level Data
Thoreau Compressor Station No. 5

Well ID	Measuring Point Elevation (fmsl)	Date	Depth to Ground Water (ft below MP)	Ground Water Elevation (fmsl)
SVE-3	7,293.68	02/10/98	56.24	7237.44
		10/11/99	57.42	7236.26
		11/16/01	57.81	7235.87
		04/17/02	58.01	7235.67
		10/30/02	58.18	7235.50
		05/21/03	58.49	7235.19
		11/10/03	58.76	7234.92
		06/07/04	59.15	7234.53
		06/08/05	60.42	7233.26
	PSH @ 60.05	07/10/06	60.71	7233.47
	PSH @ 60.51	07/25/07	60.52	7233.52
		09/22/08	58.31	7234.05
SVE-4	7,289.83	02/10/98	52.91	7236.92
		10/11/99	54.48	7235.35
		11/16/01	54.75	7235.08
		04/17/02	54.94	7234.89
		10/30/02	55.19	7234.64
		05/21/03	55.48	7234.35
		11/10/03	55.75	7234.08
		06/07/04	56.14	7233.69
		06/08/05	56.79	7233.04
		07/10/06	57.45	7232.38
		07/25/07	57.94	7231.89
		09/22/08	60.53	7229.30
5-37I	7,296.31	10/11/99	58.90	7237.41
		05/10/00	58.46	7237.85
		11/14/00	58.99	7237.32
		11/16/01	59.46	7236.85
		04/17/02	59.64	7236.67
		10/30/02	59.71	7236.60
		05/21/03	59.94	7236.37
		11/10/03	60.14	7236.17
		06/07/04	60.33	7235.98
		06/08/05	60.37	7235.94
		07/10/06	60.47	7235.84
		07/25/07	60.45	7235.86
		09/22/08	59.93	7236.38
5-36E	7,296.56	10/11/99	60.76	7235.80
		05/10/00	59.76	7236.80
		11/14/00	59.25	7237.31
		11/16/01	61.31	7235.25
		04/17/02	61.51	7235.05
		10/30/02	61.59	7234.97
		05/21/03	61.46	7235.10
		11/10/03	61.86	7234.70
		06/07/04	62.30	7234.26
		06/08/05	62.62	7233.94
		07/10/06	62.83	7233.73
		07/25/07	62.93	7233.63
		09/22/08	62.46	7234.10

MP = Measuring point
fmsl = Feet above mean sea level
NM = Not measured
TP = Tagged top of pump

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-01B	11/21/95	3.8	7.37	12.8	1314	Muddy, no odor
	02/21/96	7.5	7.40	11.9	960	Turbid, no odor
	05/23/96	10.6a	7.28	13.2	1327	Turbid
	08/14/96	NM	7.51	15.8	1324	Turbid, no odor
	11/21/96	6.3	7.13	13.0	1080	Turbid
	02/27/97	4.57	7.49	7.7	820	Turbid
	05/21/97	3.73	7.02	14.0	990	Slightly turbid
	08/20/97	NM	7.29	14.7	1312	Turbid, no odor
5-01C	11/23/97	5.5	7.59	14.9	1252	Clear
	02/12/98	3.4	7.86	11.3	1137	Clear
	06/11/98	5.9	7.77	17.5	1248	Clear
	10/01/98	2.8	7.70	13.9	1255	Clear
	04/29/99	--/2.8	7.67	13.1	1262	Clear
	10/13/99	4.1	7.78	14.9	1294	Clear
	05/12/00	0.0/1.2	7.57	12.8	1390	Clear
	11/17/00	2.6	7.57	13.0	1467	Clear
	05/22/01	2.6/2.6	7.48	14.0	1510	Clear
	11/18/01	2.5	7.46	14.7	1506	Clear
	04/20/02	3.2	7.50	14.5	1494	Clear
	10/30/02	3.6	7.48	14.8	1498	Cloudy
	05/21/03	3.5	7.43	15.7	1571	Clear
	11/10/03	3.9	7.32	12.5	1387	Clear
	06/07/04	2.7	7.43	14.5	1637	Clear
	06/08/05	---	7.39	14.1	1658	---
	07/11/06	3.3	7.28	13.4	1318	Clear
	07/25/07	3.3	7.61	13.4	1300	Clear
	09/23/08	3.0	7.88	13.0	1310	Clear
5-02B	11/21/95	2.1	6.89	14.5	920	Slightly cloudy, HC odor
	02/22/96	4.0	7.14	11.9	1010	Colorless, suspended black silt, HC odor
	05/23/96	1.4	7.21	14.0	1430	HC odor, suspended black fine sand and silt
	08/14/96	NM	7.36	15.0	1000	HC odor, suspended black fine sand and silt
	11/21/96	2.9	7.02	13.0	990	Black, HC odor
	02/28/97	2.17	7.20	9.6	990	Clear
5-02C	11/24/97	3.0	7.24	12.5	1439	Turbid, Reddish
	02/11/98	0.9	7.24	10.1	1397	Clear
	06/10/98	1.3	7.15	13.5	1502	Slightly turbid, odor
	10/01/98	2.1	7.17	14.6	1617	Cloudy, odor
	04/28/99	--/0.8	7.10	13.4	1756	Clear, Strong HC odor
	10/13/99	0.9	7.12	14.1	1858	Cloudy, odor
	05/13/00	0.9	7.11	13.4	1821	Clear, strong odor
	11/17/00	2.2	7.18	13.1	1832	Clear, odor
	05/24/01	2.6/1.6	7.11	15.8	1800	Clear, odor
	11/17/01	NM	7.14	14.8	1806	Clear, odor
	04/20/02	1.5	7.15	15.0	1829	Cloudy, sweet odor
	10/31/02	0.9	7.11	15.6	1811	Cloudy, odor
	05/22/03	1.2	7.10	16.4	1833	Cloudy, odor
	11/11/03	1.7	7.03	12.9	1541	Cloudy, odor
	06/08/04	1.3	7.04	15.9	1934	Clear
	06/09/05	---	7.04	14.3	1984	---

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-03B	11/15/95	8.0	7.59	14.0	860	Clear, no odor
	05/20/96	7.0b	8.26	13.4	1282	Turbid
	08/12/96	8.6b	7.91	14.2	1000	Turbid
	11/18/96	8.0/7.0	7.77	12.0	1110	Turbid
	02/24/97	5.74/7.0	7.77	10.2	980	Turbid
	05/20/97	8.8/8.0	7.73	13.8	1060	Turbid
	05/18/97	8.0	7.69	13.5	1423	Turbid, Reddish
	11/17/97	7.36/8.0	7.64	13.4	1100	Turbid
	02/10/98	8.17	7.36	12.5	1000	Turbid
	06/08/98	8.8	7.58	13.4	1375	Turbid
	06/11/98	8.8	7.60	13.3	1379	Turbid (Resample - 1st Voa's broke)
	09/29/98	8.3/8.0	7.59	13.9	1390	Turbid
	04/27/99	8.6	7.72	13.8	1357	Redish silt, Turbid
	10/11/99	8.6/8.0	7.75	13.1	1326	Redish silt, Turbid
	05/11/00	7.6/7.5	7.78	13.1	1311	Redish turbid
	05/22/01	8.5/8.0	7.79	14.1	1314	Redish turbid
	04/18/02	8.2	7.81	14.9	1347	Red sand, turbid
	05/20/03	8.1	7.74	16.0	1415	Red sand, turbid
	06/07/04	2.7	7.65	14.2	1450	Red sand, turbid
5-04B	11/17/95	NM	7.15	14.6	1097	Clear, moderate HC odor
	11/22/95	5.6	7.87	14.0	720	Slightly cloudy, no HC odor
	05/14/00	--	--	--	--	Bailed dry @ 0.3 gals
	11/17/00	1.9	7.57	12.1	1851	Bailed dry @ 0.3 gals, turbid
	05/22/01	2.7/2.6	7.54	16.1	1994	Bailed dry @ 0.3 gals, turbid
	11/18/01	4.0	7.56	16.6	1994	Turbid w/odor. Bailed dry @ 0.2 gal
	04/19/02	4.8	7.48	17.0	1974	Turbid, Bailed dry @ 0.15 gal
	10/30/02	4.9	7.31	17.1	1961	Turbid, Bailed dry @ 0.06 gal
	05/21/03	7.1	7.52	18.5	1966	Clear, Bailed dry @ 0.08 gal
	11/10/03	8.9	7.85	14.9	1669	Muddy, Bailed dry @ 0.07 gal
5-05B	11/17/95	2.9	7.04	13.0	1350	Clear, moderate HC odor
	05/22/96	1.4	7.36	13.8	1419	Clear, no odor
	08/14/96	1.08	7.61	14.3	1395	Cloudy, HC odor
	11/20/96	4.2	7.26	12.2	1110	Clear
	02/25/97	2.86	7.46	8.2	890	Cloudy, HC odor
	10/13/99	7.1	7.42	13.2	1512	Clear
	05/11/00	2.2/2.4	7.38	13.3	1565	Cloudy
	11/17/00	2.5	7.43	12.8	1592	Cloudy
	05/22/01	2.5	7.37	14.4	1578	Cloudy, bailing down
	11/18/01	1.1	7.45	14.8	1290	Muddy, debris in well, odor (not hydrocarb)
	04/18/02	0.8	7.41	17.9	1444	Turbid (muddy water)
	10/30/02	1.2	7.29	15.1	1495	Turbid
	05/21/03	1.0	7.29	15.8	1515	Turbid (muddy water)
	11/10/03	2.1	7.16	12.4	1316	Turbid (muddy water)
	06/08/04	1.0	7.21	13.9	1555	Cloudy
5-06B	11/21/95	3.2	7.51	14.0	880	Slightly cloudy, no HC odor
	02/22/96	7.2	7.71	12.6	880	Clear, slight HC ordor
	05/23/96	1.7	7.90	13.2	1248	Clear
	08/15/96	NM	7.57	15.0	980	Clear, possible slight HC odor
	11/22/96	4.5	7.34	11.9	900	Clear
	02/28/97	1.11	7.78	11.7	895	Clear
	05/22/97	1.66	7.29	13.5	920	Clear
	08/20/97	2.7/2.2	7.62	14.2	1140	Clear

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181	Turbid
	02/12/98	0.0	7.75	11.9	1072	Clear
	06/11/98	3.2/0.6	7.67	16.0	1159	Clear
	10/02/98	0.7	7.64	13.6	1152	Clear
	04/29/99	--/1.0	7.55	12.8	1135	Clear
	10/14/99	0.2/0.4	7.66	13.3	1156	Clear
	05/13/00	0.4/0.6	7.65	13.2	1178	Clear
	11/17/00	2.1	7.62	13.0	1287	Turbid
	05/22/01	0.9	7.61	13.9	1252	Turbid
	11/18/01	1.1	7.62	14.4	1241	Cloudy
	04/20/02	1.4	7.64	14.4	1256	Clear
	10/30/02	0.5	7.62	14.7	1265	Clear
	05/21/03	1.7	7.47	15.2	1432	Cloudy
	11/10/03	1.8	7.38	12.3	1244	Cloudy
	06/07/04	1.4	7.43	14.4	1441	Turbid
	06/09/05	---	7.34	12.7	1560	---
	07/11/06	2.0	7.42	13.7	1145	Clear
	07/25/07	3.0	7.57	13.0	1094	Clear
	09/23/08	3.1	7.88	13.2	1115	Clear
5-12B	11/16/95	6.5	7.38	13.9	900	Clear, no odor
	05/24/96	8.0	7.44	15.0	870	Clear
	08/13/96	8.6	8.27	13.9	1242	Clear
	11/19/96	--/8.0	7.25	12.5	890	Clear, no odor
	02/26/97	4.78/6.5	7.58	11.8	895	Clear
	05/21/97	6.15	7.48	13.7	905	Clear
	08/19/97	--/7.0	7.61	14.9	1255	Clear
	11/17/97	8.49	7.65	13.9	990	Clear
	02/11/98	6.2 /7.0	7.70	11.3	1114	Clear
	06/09/98	10.2/8.0	7.65	17.1	1217	Clear
	09/30/98	8.1/7.0	7.67	15.4	1232	Clear
	04/27/99	7.8	7.70	12.8	1240	Clear
	10/12/99	7.2	7.87	14.2	1241	Clear
	05/11/00	6.7	7.83	14.4	1248	Clear
	05/23/01	6.7	7.78	15.2	1251	Clear
	04/19/02	7.4	8.04	15.1	1241	Clear
	05/20/03	8.6	8.00	15.8	1242	Clear
	06/08/04	3.9	8.03	16.3	1323	Clear
5-13B	11/20/95	4.3	7.59	13.9	800	Clear, HC odor
	02/21/96	4.2	7.67	13.8	840	Clear, HC odor
	05/22/96	1.4	7.68	13.8	860	Clear
	08/13/96	3.04	8.71	14.5	850	Clear, HC odor
	11/20/96	2.7	7.49	13.0	850	Clear, HC odor
	02/26/97	1.51	7.53	11.9	850	Clear
	05/21/97	2.79	7.31	13.4	880	Clear, Slight HC odor
	08/19/97	1.2/0.8	7.49	17.6	1205	Clear, HC odor
	11/18/97	--/1.2	7.78	10.1	1060	Clear
	02/11/98	1.3/1.0	7.81	11.0	1077	Clear, Odor
	06/09/98	1.8	7.54	14.6	1166	Clear, Odor
	09/30/98	1.2/1.4	7.57	14.3	1187	Clear, HC odor
	04/27/99	--	7.54	12.8	1223	Clear, HC odor
	10/12/99	3.0	7.62	13.4	1257	Clear
	05/11/00	0.1/0.8	7.50	13.2	1274	Clear
	11/16/00	2.1/1.0	7.44	13.2	1306	Clear
	05/23/01	2.3	7.47	14.1	1296	Clear
	11/17/01	2.2	7.53	15.0	1288	Clear
	04/19/02	1.9	7.49	15.2	1267	Cloudy
	10/31/02	1.7	7.47	15.4	1265	Clear
	05/20/03	1.9	7.44	15.5	1263	Clear
	11/11/03	1.8	7.34	12.9	1112	Clear
	06/08/04	1.5	7.95	16.4	1330	Clear

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-14B	11/16/95	8.0	8.03	14.6	1056	Very slightly cloudy
	05/21/96	9.8a	8.01	13.9	1011	Clear
	08/13/96	6.89	8.64	15.6	992	Clear
	11/19/96	6.1	7.42	12.5	720	Silty amber, no odor
	02/26/97	--/6.5	7.87	10.5	931	Clear, no odor
	05/21/97	6.81/7.0	7.87	13.2	964	Clear
	11/17/97	6.8	7.86	11.9	841	Clear
	02/10/98	8.12	6.91	10.2	630	Clear
	06/09/98	8.7/8.5	7.85	17.3	923	Clear
	09/30/98	6.70	7.79	15.0	1064	Slightly Turbid
	04/27/99	7.5/6.5	7.79	13.3	1058	Turbid
	10/12/99	7.9	7.88	13.5	1075	Cloudy
	05/11/00	7.3	7.85	13.0	1014	Clear
	05/24/01	8.1	7.86	14.3	1027	Clear
	04/19/02	6.9	7.86	15.5	1148	Turbid
	05/22/03	7.2	7.79	16.1	1168	Cloudy
	06/08/04	3.4	7.82	16.2	1246	Red Cloudy
5-15B	11/16/95	6.9	7.98	12.5	982	Clear, no odor
	05/22/96	4.9	7.67	13.0	710	Clear
	08/14/96	9.85	8.26	14.4	1006	Clear
	11/20/96	--/8.0	7.54	14.0	720	Clear
	02/26/97	--/6.8	7.82	11.4	977	Clear, no odor
	05/21/97	6.49	7.77	12.9	1020	Clear
	08/19/97	8.0/8.0	7.80	14.5	934	Clear
	11/17/97	6.4/6.5	7.78	11.8	904	Clear
	02/11/98	6.22/7.0	7.39	13.1	720	Slightly Turbid
	06/10/98	8.0/7.0	7.73	14.4	979	Slightly Turbid
	09/30/98	9.6	7.76	16.1	1031	Turbid
	04/28/99	--/7.0	7.73	13.0	1022	Cloudy
	10/12/99	5.8	7.87	13.3	950	Clear
	05/12/00	8.1	7.65	13.1	1008	Clear
	05/24/01	6.4	7.77	14.6	1049	Clear
	04/19/02	6.0	7.79	15.6	1116	Clear
	05/22/03	5.2	7.73	17.0	1150	Clear
	06/08/04	3.1	7.69	15.2	1159	Cloudy
5-16B	11/20/95	2.4	7.50	13.0	800	Clear, strong HC odor
	02/21/96	3.5	7.58	13.8	840	Clear, HC odor
	05/23/96	1.3	7.47	13.2	1181	Clear, very strong HC odor
	08/15/96	1.9/1.0	7.46	14.3	1214	Clear, very strong HC odor
	11/21/96	--/1.0	7.45	13.0	1000	Clear, HC odor
	02/27/97	2.31	7.52	12.0	1131	Clear, strong HC odor
	05/22/97	1.13	7.30	14.9	900	Clear, strong HC odor
	08/20/97	1.6/0.4	7.41	15.4	1100	Clear, HC odor, Film on top
	11/19/97	0.4/0.4	7.46	12.6	1096	Clear, HC odor
	02/11/98	2.78	7.16	11.6	840	Clear, HC odor, film/sheen
	06/10/98	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	10/01/98	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	04/28/99	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	10/13/99	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	05/12/00	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	11/17/00	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	05/24/01	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	11/18/01	--	--	--	--	Clear w/blk suspended solids, sheen
	04/20/02	--	--	--	--	Clear w/blk suspended solids, sheen
	10/31/02	--	--	--	--	Clear w/blk suspended solids, sheen
	05/22/03	--	--	--	--	Clear w/blk suspended solids, sheen
	11/11/03	--	--	--	--	Clear w/blk suspended solids, sheen
	06/08/04	1.47	7.76	15.60	544	Brackish, strong odor
	06/08/05	---	7.67	15.30	1566	Strong odor
	07/10/06	--	--	--	--	Clear w/blk suspended solids, sheen
	07/25/07	--	--	--	--	Clear w/blk suspended solids, sheen
	09/23/08	--	--	--	--	Clear w/blk suspended solids, sheen

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-17B	11/20/95	7.4	7.65	13.4	1525	Clear, no odor
	05/22/96	6.4	7.44	12.5	1005	Clear
	08/14/96	NM	7.66	17.0	1090	Clear
	11/20/96	NM	7.69	13.6	1160	Clear
	02/27/97	4.57	7.64	11.6	930	Clear
	05/21/97	NM	7.64	14.2	990	Clear
	08/20/97	9.0/8.0	7.67	15.8	1335	Clear, no odor
	11/18/97	9.5	7.91	12.0	990	Clear
	02/11/98	NM	7.25	10.2	910	Clear
	06/10/98	9.4	7.67	13.9	1331	Clear
	10/02/98	10.0	7.70	15.0	1345	Clear
	04/28/99	--/7.8	7.69	13.7	1344	Clear
	10/13/99	8.8/9.0	7.77	12.9	1381	Clear
	05/12/00	8.2	7.76	12.9	1363	Clear
	11/17/00	8.5	7.78	13.1	1385	Clear
	05/23/01	9.2/8.0	7.73	14.6	1405	Clear
	11/17/01	NM	7.73	14.9	1388	Clear
	04/19/02	8.4	7.80	14.8	1401	Clear
	10/31/02	8.5	7.75	15.3	1361	Clear
	05/22/03	8.6	7.71	15.7	1383	Clear
	11/11/03	8.9	7.61	12.6	1231	Clear
	06/08/04	3.3	7.44	14.9	1529	Clear
	06/08/05	---	7.36	13.9	1816	---
	07/10/06	3.2	7.25	13.1	1597	Clear
	07/25/07	4.7	7.48	13.6	1557	Clear
	09/23/08	5.6	7.83	13.1	1583	Clear
5-18B	11/17/95	1.4	7.68	14.0	720	Clear, HC odor
	02/21/96	5.6	7.76	12.2	760	Clear, HC odor
	05/22/96	1.5	7.62	13.3	790	Clear
	08/14/96	2.38	8.27	14.2	1071	Clear, HC odor
	11/20/96	2.3	7.70	13.0	890	Clear, HC odor
	02/27/97	1.29	7.78	11.7	988	Clear, HC odor
	05/22/97	4.45	7.71	13.3	1065	Clear, HC odor
	08/19/97	0.8/0.4	7.69	14.1	988	Clear, HC odor
	11/17/97	7.76	7.72	12.9	860	Clear
	02/11/98	2.28	7.33	12.8	790	Clear, HC odor
	06/10/98	0.6/0.6	7.61	13.6	1095	Clear, Odor
	09/30/98	2.2/0.8	7.60	15.6	1142	Clear, HC odor
	04/28/99	--/1.4	7.53	12.7	1144	Clear, HC odor
	10/12/99	2.3/2.0	7.64	14.0	1164	Clear, HC odor
	05/12/00	2.4	7.54	13.4	1198	Clear, Odor
	11/16/00	3.8	7.52	13.0	1257	Clear, Odor
	05/24/01	3.8	7.51	15.7	1264	Clear
	11/17/01	3.8	7.51	15.4	1234	Clear
	04/20/02	2.0	7.61	14.5	1124	Clear
	10/31/02	1.0	7.56	15.5	1112	Clear, slight odor
	05/22/03	1.6	7.52	15.6	1117	Clear, Odor
	11/11/03	1.9	7.45	13.0	976	Clear, Odor
	06/08/04	1.8	7.43	16.5	1171	---
	06/08/05	---	7.52	14.7	1198	---
	07/10/06	3.0	7.39	13.9	964	Clear
	07/25/07	1.3	7.59	14.8	962	Clear
	09/23/08	2.9	7.91	14.5	989	Clear

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-19B	11/20/95	2.00	7.68	13.0	700	Clear, slight HC odor
	02/21/96	4.4	7.81	12.7	730	Clear, HC odor
	05/22/96	2.0	7.78	14.1	1023	Clear, slight HC odor
	08/14/96	3.0	7.99	14.7	1022	Clear
	11/21/96	3.2	7.79	12.8	840	Clear, HC odor
	02/27/97	1.9/1.8	7.83	10.2	951	Clear, HC odor
	05/21/97	2.7	7.84	12.8	1002	Clear, HC odor
	08/20/97	2.5/1.6	7.82	15.7	939	Clear, HC odor
	11/17/97	3.68/1.0	7.91	12.3	800	Clear, Slight HC odor
	02/11/98	2.26	7.47	12.0	710	Clear, HC odor
	06/10/98	0.5	7.80	13.8	968	Clear, Odor
	10/01/98	0.2/0.4	7.75	14.0	982	Clear, HC odor
	04/28/99	--/0.4	7.89	12.7	982	Clear, HC odor
	10/12/99	0.2	8.00	13.6	990	Clear, HC odor
	05/12/00	0.6/0.8	7.89	13.0	986	Clear, slight odor
	11/17/00	1.2/1.4	7.96	13.2	999	Clear, Odor
	05/24/01	1.8/1.6	7.93	14.9	1007	Clear
	11/17/01	1.5	7.92	15.2	1019	Clear
	04/19/02	0.7	8.00	15.1	1038	Clear
	10/31/02	2.6	7.95	15.5	1051	Clear
	05/22/03	1.0	7.88	16.2	1094	Clear
	11/11/03	1.4	7.81	13.0	971	Clear
	06/08/04	1.5	7.87	15.0	1147	Cloudy
5-20B	11/17/95	2.9	7.16	13.7	1200	Clear, slight HC odor
	05/22/96	1.8	7.18	14.4	1120	Clear
	08/14/96	4.84	7.82	16.2	1629	Clear, HC odor
	11/20/96	NM	7.04	12.5	1180	Clear
	02/27/97	1.51	7.21	11.1	1120	Slightly Cloudy
	05/22/97	1.83/1.0	7.39	13.4	1537	Clear, HC odor
	08/19/97	2.5/1.2	7.13	16.9	1590	Clear, HC odor
	11/18/97	6.91	7.42	12.4	1200	Clear, HC odor
	02/11/98	0.00	7.35	10.9	1369	Clear
	06/09/98	2.80	7.29	16.1	1481	Clear
	10/01/98	2.4/1.8	7.31	15.8	1467	Clear
	04/28/99	--/0.8	7.30	13.4	1362	Clear
	10/12/99	2.6/2.2	7.46	14.4	1334	Clear
	05/12/00	0.5/0.6	7.25	12.7	1325	Clear, slight odor
	11/16/00	1.4/1.4	7.45	12.7	1337	Clear, slight odor
	05/24/01	1.1/0.8	7.48	14.4	1290	Clear, slight odor
	11/17/01	1.4	7.52	15.2	1260	Clear, slight odor
	04/19/02	0.7	7.49	14.9	1275	Clear
	10/31/02	1.1	7.48	15.3	1292	Clear
	05/22/03	0.5	7.42	15.7	1306	Clear
	11/11/03	1.5	7.35	12.9	1149	Clear
	06/08/04	1.6	7.41	13.9	1332	Clear
	06/08/05	---	7.43	15.0	1347	---
	07/10/06	1.3	7.46	13.5	1030	Clear
	07/25/07	1.3	7.55	14.3	1028	Clear
	09/23/08	1.9	7.88	13.6	1032	Clear
5-22B	11/15/95	6.4	7.70	12.9	990	Clear, no odor
	02/22/96	6.6	7.47	12.3	1030	Turbid, very light brown, no odor
	05/20/96	NM	8.32	13.8	1549	Slightly turbid
	08/12/96	8.01	7.63	15.0	1100	Turbid, no odor
	11/18/96	5.6	7.48	12.2	1300	Slightly cloudy
	02/27/97	3.53	7.39	10.0	1180	Turbid, HC odor
	05/22/97	NM	7.49	13.0	1899	Turbid
	08/20/97	3.0/2.2	7.32	14.8	2060	Clear, HC odor
	11/18/97	--/1.8	7.80	13.6	1740	Turbid, slight odor

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-23B	11/16/95	3.8	7.31	13.3	800	Clear, no odor
	05/22/96	2.6	7.66	13.0	1077	Clear
	08/13/96	5.06	8.80	15.0	780	Clear
	11/19/96	4.4	7.69	13.0	880	Clear
	02/26/97	--/3.4	7.73	11.8	1018	Clear, no odor (3.4 DO is low range of Hach)
	05/21/97	4.1/4.0	7.73	12.6	1036	Clear, (low range Hach DO = 3.8)
	08/19/97	3.0/2.8	7.75	14.5	949	Clear
	11/17/97	2.0	7.74	11.1	920	Clear
	02/10/98	1.0	7.77	10.7	928	Clear
	06/08/98	2.8/2.2	7.01	13.7	1004	Clear
	09/29/98	2.6/2.0	7.67	13.7	1013	Clear
	04/27/99	2.6/2.0	7.72	12.9	1015	Clear
	10/12/99	1.6/1.8	7.83	12.8	1024	Clear
	05/11/00	1.5/1.8	7.77	13.0	1035	Clear
	05/23/01	2.1	7.72	14.0	1084	Clear
	04/19/02	1.5	7.72	15.0	1103	Clear
	05/20/03	1.2	7.71	15.6	1112	Clear
	06/08/04	1.6	7.63	14.3	1131	Clear
5-24B	11/17/95	1.7	7.33	13.2	1050	Slight cloudy, HC odor
	05/21/96	3.5	7.41	13.9	1050	Clear
	08/13/96	2.32	8.07	16.0	1050	Clear
	11/19/96	3.30	7.36	12.6	1210	Slightly turbid, faint odor
	02/26/97	--/1.4	7.42	11.6	1468	Clear, slight odor
	05/20/97	4.83	7.56	12.6	1240	Clear
	05/21/97	3.44	7.24	13.1	1110	Slight odor, little cloudy
	08/19/97	3.8/4.0	7.32	15.5	1568	Slightly turbid, Red
	11/18/97	2.20	7.39	12.2	1386	Slightly turbid
	02/10/98	3.2/3.0	7.44	11.2	1392	Slightly turbid
	06/09/98	4.30	7.34	14.6	1492	Cloudy, turbid
	09/29/98	5.5	7.32	13.6	1499	Turbid
	04/27/99	9.7/8.0	7.37	14.1	1501	Slightly Cloudy
	10/11/99	4.3	7.46	13.6	1468	Very Turbid
	05/11/00	4.8	7.43	13.5	1454	Cloudy
	11/16/00	7.4/6.0	7.52	12.6	1467	Red, very turbid
	05/23/01	2.9	7.52	15.0	1475	Turbid, redish color
	11/17/01	4.9	7.54	15.3	1449	Clear
	04/19/02	2.2	7.56	15.0	1426	Very turbid, red sand
	10/31/02	4.1	7.62	15.3	1413	Very turbid
	05/20/03	1.3	7.51	15.4	1397	Turbid
	11/11/03	4.8	7.46	13.0	1215	Turbid
	06/08/04	2.8	7.68	15.4	1428	Turbid
5-37i	08/15/96	1.67	8.48	17.2	1382	Turbid, green cloudy color, strong HC odor
	11/22/96	NM	7.70	14.9	1080	Greenish black, strong HC odor
5-41B	11/16/95	2.00	7.28	14.5	940	Clear, no odor
	05/21/96	1.82	7.41	15.8	920	Clear
	08/13/96	2.68	7.99	15.0	910	Clear
	11/19/96	3.80	7.41	13.8	1080	Clear
	02/25/97	1.65	7.43	12.5	930	Clear
	05/20/97	4.83/3.0	7.56	12.6	1230	Clear (Hach DO low range = 2.6)
	08/18/97	--/2.2	7.55	14.1	1285	Clear
5-47B	11/15/95	2.50	7.83	13.0	900	Slightly cloudy, no odor
	05/21/96	4.70	7.54	14.6	1080	Clear
	08/13/96	3.17	7.98	15.2	1060	Clear
	11/19/96	NM	7.56	19.1	1110	Clear
	02/26/97	2.20	7.71	11.0	1000	Clear
	05/20/97	3.18/2.6	7.74	13.8	1100	Slightly turbid
	08/18/97	--/4.0	7.68	16.3	1470	Clear

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
5-48B	11/20/95	1.40	7.60	13.7	1035	Clear, strong HC odor
	02/21/96	3.60	7.54	14.0	750	Very slightly cloudy, HC odor
	05/22/96	2.20	7.62	14.6	1032	Clear, HC odor
	08/14/96	2.80	7.62	15.5	800	Clear, strong HC odor
	11/21/96	3.10	7.45	15.2	780	Clear, strong HC odor
	02/27/97	2.40	7.61	11.8	950	Clear, strong HC odor
	05/22/97	2.52	7.33	14.1	820	Clear, strong HC odor
	08/20/97	2.2/0.4	7.34	18.3	1139	Yellow tint, strong HC odor
	11/19/97	5.57/1.6	7.48	14.0	900	Clear, strong HC odor
	02/12/98	2.23	7.44	14.8	810	Clear, HC odor
	06/11/98	3.6/2.0	7.53	16.3	1176	Clear, HC odor
	10/01/98	0.2	7.56	15.7	1239	Cloudy w/blk flec's, turns dark in light,odor
	04/28/99	--	7.47	15.4	1261	Clear w/blk flec's, strong HC odor, sheen
	10/12/99	--	--	--	--	Clear w/blk flec's, strong HC odor, sheen
	05/12/00	--	--	--	--	Blk, turbid, odor, sheen streamers
	11/17/00	--	--	--	--	Blk, turbid, odor, sheen streamers
	05/22/01	--	--	--	--	Blk, turbid, odor, sheen streamers
	11/18/01	--	--	--	--	Blk, suspended solids, odor, sheen
	04/20/02	0.9	7.54	15.7	1524	Turbid, odor
	10/30/02	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	05/21/03	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	11/11/03	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	06/07/04	0.9	7.51	16.2	1550	Black
	06/09/05	---	7.31	15.5	1530	Black, brackish
5-57B	11/15/95	4.60	7.59	13.1	880	Brown muddy
	05/20/96	3.10	8.75	13.2	1212	Slightly turbid
	08/12/96	5.24	7.76	14.0	875	Slightly turbid, no odor
	11/18/96	5.4/2.2	7.53	12.9	980	Slightly cloudy
	02/25/97	--/3.4	7.71	10.6	1191	Light amber, no odor
	05/20/97	6.01	7.69	12.8	1130	Slightly cloudy, reddish tint, no odor
	08/18/97	0.7/2.6	7.69	14.4	1071	Slightly turbid
5-58B	11/16/95	8.10	7.47	14.8	740	Cloudy brown, no odor
	05/20/96	6.70	8.71	13.2	1073	Slightly turbid
	08/12/96	6.44	7.71	14.5	750	Slightly turbid, no odor
	11/18/96	7.00	7.58	12.6	880	Slightly cloudy
	02/25/97	7.0b	7.69	11.4	1073	Light amber, no odor
	05/20/97	6.84	7.73	13.2	790	Slightly turbid
	08/18/97	5.8/6.5	7.68	15.2	964	Slightly turbid
5-59	11/18/01	6.2	7.50	14.5	1430	Turbid, bailed down
	04/20/02	6.7	7.60	14.1	1431	Turbid, bailed down
	10/30/02	8.1	7.68	14.6	1437	Very turbid, bailed down
	05/21/03	5.9	7.40	15.3	1519	Turbid, bailed down
	11/11/03	6.8	7.21	12.4	1295	Turbid, bailed down
	06/08/04	3.2	7.38	12.8	1495	Turbid, bailed down
	06/09/05	---	7.37	14.2	1453	---
	07/10/06	6.7	7.42	13.3	1112	Turbid, bailed down
	07/25/07	5.5	7.33	14.1	1124	Turbid, bailed down
	09/23/08	6.0	7.84	12.9	1143	Turbid, bailed down
5-60	11/18/01	6.5	7.67	14.5	1296	Very turbid, bailed down
	04/20/02	6.6	7.74	14.1	1291	Very turbid, bailed down
	10/30/02	7.4	7.67	14.9	1272	Turbid, bailed down
	05/21/03	7.7	7.63	15.6	1297	Very turbid, bailed down
	11/10/03	7.5	7.72	12.4	1171	Very turbid, bailed down
	06/07/04	3.1	7.60	13.9	1415	Cloudy, bailed down
	06/09/05	---	7.65	12.5	1428	---
	07/10/06	7.4	7.40	13.3	1095	Turbid, bailed down
	07/25/07	6.9	7.50	13.6	1059	Turbid, bailed down
	09/23/08	6.8	7.87	12.9	1034	Turbid, bailed down

Table 2. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µmhos)	Remarks
SVE-1	05/11/00	7.8	7.90	13.5	992	Red turbid
	11/16/00	8.0	7.85	13.6	1008	Red turbid
	11/18/01	8.3	7.90	15.6	1016	Turbid
	04/18/02	8.3	7.96	15.7	1017	Turbid, bailing down
	10/30/02	8.5	7.58	16.1	1000	Turbid
	05/21/03	8.5	7.80	17.7	1009	Clear
	11/10/03	8.8	7.90	14.0	904	Clear
	06/07/04	2.1	7.98	21.7	1062	---
HC = Hydrocarbon						
NM = Not measured						
(a) Value above theoretical dissolved oxygen concentration for this altitude; therefore, measurement is suspect.						

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-01B	12/89	ER	< 5.0	6.3	< 5.0	NA
	03/90	ER	< 5.0	< 5.0	< 5.0	25
	06/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	08/90	AS	< 1	< 1	< 1	3.5
	11/90	EH	< 0.50	< 0.50	< 0.50	3.0
	01/91	EH	< 1.0	< 1.0	< 1.0	4.8
	02/91	EH	1.6	< 0.50	< 0.50	4.6
	03/91	EH	2.0	< 0.50	< 0.50	5.2
	04/91	EH	1.2	< 0.50	< 0.50	3.6
	05/91	EH	< 0.50	< 0.50	< 0.50	5.4
	06/91	EH	< 0.50	0.63	< 0.50	1.9
	07/91	EH	< 0.50	< 0.50	< 0.50	6.0
	09/91	EH	< 0.50	< 0.50	< 0.50	7.8
	10/91	ER	< 0.50	< 0.50	< 0.50	6.4
	11/91	ER	< 0.50	< 0.50	< 0.50	9.8
	12/91	ER	< 0.50	< 0.50	< 0.50	2.4
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	ER	< 0.50	< 0.50	< 0.50	0.79
	02/20/92	ER	< 0.50	< 0.50	< 0.50	5.2
	03/18/92	ATI-P	< 2.5	< 0.5	< 0.5	3.3
	04/29/92	ATI-P	< 0.5	< 0.5	< 0.5	2.3
	10/14/92	ATI-P	< 0.5	< 0.5	< 0.5	4.7
	12/13/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/27/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/06/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/21/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/22/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/15/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/22/96	HEAL	0.8	< 0.5	< 0.5	< 0.5
	02/28/97	HEAL	0.6	< 0.5	< 0.5	< 0.5
	05/22/97	HEAL	1.2	< 0.5	< 0.5	< 0.5
	08/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-01C	11/23/97	HEAL	1.4	< 0.5	< 0.5	< 0.5
	01/08/98	HEAL	2.0	< 0.5	< 0.5	< 0.5
	02/12/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/11/98	HEAL	6.5	< 0.5	< 0.5	< 0.5
	10/02/98	HEAL	5.2	< 0.5	< 0.5	< 0.5
	04/29/99	OAL	< 1	< 1	< 1	< 1
	10/14/99	OAL	< 1	< 2	< 2	< 4
Pulled pump	05/12/00	OAL	< 1	< 2	< 2	< 4
	11/17/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	11/19/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-02B	05/89	ER	1800	2000	< 200	NA
	08/89	ER	2500	4700	< 500	NA
	11/89	ER	1800	3100	250	NA
	03/90	ER	2300	3800	< 250	2400
	06/90	ER	1900	3100	< 250	2300
	08/90	AS	1400	2300	180	1700
	11/90	EH	1500	2400	230	1900
	01/91	EH	600	730	110	940
	02/91	EH	460	580	75	600
	03/91	EH	2400	3300	290	2600
	04/91	EH	830	1200	110	920
	05/91	EH	830	1200	150	1300
	06/91	EH	5.1	7.0	0.57	4.7
	07/91	EH	400	600	49	420
	09/91	EH	510	750	57	530
	10/91	ER	290	450	37	310
	11/91	ER	740	1200	97	950
	12/91	ER	330	580	31	320
	01/09/92	ER	360	710	52	480
	01/28/92	ER	420	810	64	560
	02/20/92	ER	890	1600	140	1200
	03/19/92	ATI-P	910	2100	170	1700
	04/29/92	ATI-P	1700	3800	240	2200
	10/14/92	ATI-P	800	700	74	640
	04/22/93	ATI-A	120	< 0.5	11	38
	12/09/94	HEAL	2100	2600	220	1800
	06/26/95	HEAL	1200	2700	130	1200
	10/06/95	HEAL	490	1600	66	640
	11/21/95	HEAL	740	2900	160	1100
	02/22/96	HEAL	260	1000	62	600
	05/21/96	HEAL	380	120	1300	1100
	08/14/96	HEAL	420	1200	100	880
	11/21/96	HEAL	660	1300	150	1600
	02/28/97	HEAL	260	500	90	680
5-02C	11/23/97	HEAL	26	2.7	9.1	2.7
	02/11/98	HEAL	110	7.0	33	8.3
	06/10/98	HEAL	460	1000	120	750
	10/01/98	HEAL	1300	3500	230	1800
	04/28/99	OAL	1500	4400	260	2500
	10/13/99	OAL	1300	3900	320	3100
	05/13/00	OAL	980	3400	340	3500
	11/17/00	NCA	671	1000	372	3820
	05/24/01	Analysys	446	60	340	3406
	11/17/01	Analysys	587	15.2	365	3622
	04/20/02	HEAL	450	< 10	300	3100
	10/31/02	HEAL	330	< 5.0	230	2000
	05/22/03	HEAL	290	< 10	200	800
	11/11/03	HEAL	450	< 2.5	240	770
	06/08/04	HEAL	270	28	160	1000
	06/09/05	HEAL	300	< 10	190	1700

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-03B	05/89	ER	< 5.0	< 5.0	< 5.0	NA
	11/89	ER	< 5.0	< 5.0	< 5.0	NA
	04/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	05/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	08/90	AS	< 1	< 1	< 1	< 1
	11/90	EH	< 0.50	< 0.50	< 0.50	< 1
	01/91	EH	< 0.30	< 0.30	< 0.30	< 0.60
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	< 0.50	1.4	< 0.50	2.2
	07/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	09/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	12/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/07/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	12/09/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/26/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/03/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/12/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/24/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/11/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/29/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/11/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	04/18/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-04B	10/89	ER	< 25	< 25	< 25	NA
	12/89	ER	18	< 5.0	< 5.0	NA
	01/90	ER	21	< 5.0	< 5.0	NA
	04/90	ER	54	< 5.0	7.1	110
	06/90	ER	60	< 50	< 50	64
	08/90	AS	63	9.5	< 1	15
	11/90	EH	25	< 5.0	< 5.0	< 10
	01/91	EH	22	1.6	0.75	5.6
	03/91	EH	76	11	< 0.50	5.7
	04/91	EH	39	0.66	< 0.50	2.9
	05/91	EH	90	1.1	0.96	13
	06/91	EH	81	21	14	87
	07/91	EH	71	< 0.5	4.5	43
	09/91	EH	270	< 1.0	6.6	54
	10/91	ER	180	< 5.0	7.8	48
	11/91	ER	< 1.2	< 1.2	11	83
	12/91	ER	100	< 2.5	5.1	45
	01/10/92	ER	53	< 1.2	3.7	44
	01/28/92	ER	48	2.8	6.5	44
	02/19/92	ER	42	< 1.0	3.4	39
	03/18/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/92	ATI-P	86	80	60	570
	10/13/92	ATI-P	230	40	19	260
	04/21/93	ATI-A	170	130	26	280
	12/12/94	HEAL	12	2.2	3.4	3.3
	12/20/94	HEAL	2.7	0.7	< 0.5	1.3
	01/10/95	HEAL	9.8	2.3	< 0.5	2.0
	03/07/95	HEAL	93	1.5	6.1	1.9
	06/08/95	HEAL	9.4	1.4	0.6	< 0.5
	06/26/95	HEAL	15	< 0.5	0.7	< 0.5
	10/05/95	HEAL	44	1.7	3.1	< 0.5
	11/17/95	HEAL	9.9	1.1	0.6	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/14/00	OAL	3	< 2	< 2	< 4
	11/17/00	NCA	1.65	< 0.500	< 0.500	< 1.00
	05/22/01	Analysys	1.72	< 1	< 1	< 2
	11/18/01	Analysys	<1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-05B	10/89	ER	< 5.0	< 5.0	8.7	NA
	11/89	ER	< 5.0	< 5.0	< 5.0	NA
	04/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	06/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	08/90	AS	2.5	< 1	< 1	4.6
	11/90	EH	1.4	< 0.50	< 0.50	2.9
	01/91	EH	< 0.50	< 0.50	< 0.50	0.56
	02/91	EH	49	35	7.4	56
	03/91	EH	12	1.2	< 0.50	< 1.0
	04/91	EH	1.3	< 0.50	< 0.50	< 1.0
	05/91	EH	4.6	< 0.50	< 0.50	< 1.0
	06/91	EH	3.8	< 0.50	< 0.50	< 1.0
	07/91	EH	0.51	< 0.50	< 0.50	< 1.0
	09/91	EH	3.0	< 0.50	< 0.50	< 1.0
	10/91	ER	0.90	< 0.50	< 0.50	< 0.50
	11/91	ER	1.2	< 0.50	< 0.50	< 0.50
	12/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	ATI-P	53	< 0.5	11	84
	04/28/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/12/92	ATI-P	770	110	25	160
	04/21/93	ATI-A	38	< 0.5	2.4	3
	12/12/94	HEAL	150	33	16	47
	06/26/95	HEAL	17	0.7	1.6	0.9
	10/05/95	HEAL	8.2	< 0.5	0.9	< 0.5
	11/17/95	HEAL	5.0	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	0.9	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	1.0	< 0.5	< 0.5	< 0.5
	08/14/96	HEAL	0.9	< 0.5	< 0.5	< 0.5
	11/20/96	HEAL	3.3	1.5	< 0.5	< 0.5
	02/25/97	HEAL	3.0	1.4	< 0.5	0.6
	10/14/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/17/00	NCA	0.981	< 0.500	< 0.500	< 1.00
	05/22/01	Analysys	1.61	< 1	< 1	< 2
	11/18/01	Analysys	7.4	< 1	< 1	< 2
	04/18/02	HEAL	5.2	< 0.50	< 0.50	< 0.50
	10/30/02	HEAL	3.4	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	2.1	0.92	1.0	2.6
	11/10/03	HEAL	1.8	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	2.5	< 0.50	0.51	1.3

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-06B	10/89	ER	15	< 5.0	< 5.0	NA
	12/89	ER	7.4	35	21	NA
	01/90	ER	< 5.0	< 5.0	8.3	NA
	04/90	ER	5.3	< 5.0	< 5.0	120
	06/90	ER	< 5.0	< 5.0	< 5.0	19
	08/90	AS	< 1	< 1	1.5	36
	11/90	EH	1.8	< 0.50	0.5	21
	01/91	EH	< 1.0	< 1.0	< 1.0	31
	02/91	EH	12	2.5	< 0.50	21
	03/91	EH	2.0	< 0.50	< 0.50	5.1
	04/91	EH	5.2	< 0.50	< 0.50	12
	05/91	EH	7.7	< 0.50	< 0.50	18
	06/91	EH	11	2.3	< 0.50	25
	07/91	EH	1.5	< 0.50	< 0.50	15
	09/91	EH	3.5	< 0.50	< 0.50	13
	10/91	ER	3.1	0.62	0.77	9.3
	11/91	ER	1.4	< 0.50	< 0.50	6.0
	11/91	ATI	2.3	< 0.50	< 0.50	18
	12/91	ER	< 0.50	< 0.50	< 0.50	5.0
	01/09/92	ER	2.3	< 0.50	< 0.50	< 0.50
	01/27/92	ER	1.3	< 0.50	< 0.50	2.6
	02/20/92	ER	1.0	< 0.50	< 0.50	1.2
	03/18/92	ATI-P	0.9	< 0.50	< 0.50	2.3
	04/29/92	ATI-P	1.4	< 0.50	< 0.50	3.6
	10/14/92	ATI-P	1.0	< 0.50	< 0.50	2.8
	12/14/94	HEAL	4.3	< 0.50	< 0.50	0.7
	06/27/95	HEAL	2.2	< 0.5	< 0.5	< 0.5
	10/06/95	HEAL	4.6	< 0.5	< 0.5	< 0.5
	11/21/95	HEAL	6.2	< 0.5	< 0.5	< 0.5
	02/22/96	HEAL	4.3	< 0.5	< 0.5	< 0.5
	04/17/96	HEAL	8.9	< 0.5	< 0.5	0.5
	04/17/96	AEN	9.4	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	1.2	< 0.5	< 0.5	< 0.5
	08/15/96	HEAL	2.4	< 0.5	< 0.5	< 0.5
	11/22/96	HEAL	0.9	< 5.0	< 5.0	< 0.5
	02/28/97	HEAL	0.9	< 5.0	< 5.0	< 0.5
	05/22/97	HEAL	0.7	< 5.0	< 5.0	< 0.5
	08/20/97	HEAL	0.7	< 5.0	< 5.0	< 0.5

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-06C	11/23/97	HEAL	1.4	0.6	< 5.0	11
	12/08/98	HEAL	1.0	< 0.5	< 0.5	5.7
	01/08/98	HEAL	1.9	< 0.5	< 0.5	3.1
	02/12/98	HEAL	2.2	1.4	< 0.5	1.3
	06/11/98	HEAL	1.2	0.6	< 0.5	< 0.5
	10/02/98	HEAL	1.5	1.3	< 0.5	< 0.5
	04/29/99	OAL	< 1	< 1	< 1	< 1
	10/14/99	OAL	< 1	< 2	< 2	< 4
	05/13/00	OAL	1	< 2	< 2	< 4
Pulled pump	11/17/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	11/19/01	Analysys	1.19	< 1	< 1	< 2
	04/20/02	HEAL	1.1	< 0.50	< 0.50	< 0.50
	10/30/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-12B	08/90	AS	< 1	< 1	< 1	< 1
	11/90	EH	< 0.50	< 0.50	< 0.50	< 1.0
	01/91	EH	1.5	4.7	0.79	3.8
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	07/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/08/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/03/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/13/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/19/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/11/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/09/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/30/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-13B	08/90	AS	54	13	< 1	330
	11/90	EH	61	< 10	< 10	480
	01/91	EH	180	17	< 5.0	310
	02/91	EH	270	25	< 10	460
	03/91	EH	240	< 50	< 50	480
	04/91	EH	430	< 0.50	< 0.50	620
	05/91	EH	290	< 10	< 10	450
	06/91	EH	330	0.53	< 0.50	600
	07/91	EH	97	0.72	< 0.50	760
	10/91	ER	71	< 5.0	< 5.0	510
	01/08/92	ER	150	< 25	< 25	570
	05/01/92	ATI-P	76	8.0	< 0.5	67
	10/13/92	ATI-P	88	8.7	< 0.5	1.5
	10/05/95	HEAL	0.6	2.5	0.5	1.9
	11/20/95	HEAL	< 0.5	< 0.5	0.6	2.0
	02/21/96	HEAL	1.0	0.7	< 0.5	< 0.5
	05/21/96	HEAL	0.7	< 0.5	< 0.5	0.8
	08/13/96	HEAL	1	5.4	< 0.5	< 0.5
	11/21/96	HEAL	1.2	6.1	< 0.5	< 0.5
	02/26/97	HEAL	1.5	5.9	< 0.5	2.5
	05/21/97	HEAL	1.1	4.3	< 0.5	0.7
	08/19/97	HEAL	1.2	2.9	< 0.5	0.6
	11/18/97	HEAL	1.3	2	< 0.5	< 0.5
	02/11/98	HEAL	0.9	1.5	< 0.5	< 0.5
	06/09/98	HEAL	0.8	0.7	< 0.5	< 0.5
	09/30/98	HEAL	< 0.5	1.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/16/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	11/17/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-14B	08/90	AS	< 1	< 1	< 1	< 1
	11/90	EH	< 0.50	< 0.50	< 0.50	< 1.0
	01/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	2.8	3.2	0.53	2.0
	07/91	EH	0.60	< 0.50	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/06/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/08/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/04/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	2.6	1.5	< 0.5
	08/13/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/19/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/09/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/30/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/24/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-15B	08/90	AS	< 1	< 1	< 1	< 1
	11/90	EH	2.1	< 0.50	< 0.50	< 1.0
	01/91	EH	< 0.30	< 0.30	< 0.30	1.0
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	07/91	EH	< 0.50	0.59	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/08/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/05/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/14/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/19/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/97	HEAL	0.9	< 0.5	< 0.5	0.5
	02/11/98	HEAL	1.5	< 0.5	1.0	1.2
	06/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/30/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/12/00	OAL	< 1	< 2	< 2	< 4
	05/24/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-16B	08/90	AS	19	25	50	320
	01/91	EH	< 0.30	< 0.30	< 0.30	< 0.60
	02/91	EH	320	46	170	860
	03/91	EH	920	14	1.2	130
	04/91	EH	92	< 0.50	0.68	9.2
	05/91	EH	270	< 12	230	1100
	06/91	EH	450	490	460	2300
	07/91	EH	260	140	400	2400
	09/91	EH	460	320	550	3600
	10/91	ER	170	420	460	3200
	11/91	ER	180	430	330	2400
	12/91	ER	140	490	360	2900
	01/08/92	ER	200	500	410	3000
	02/20/92	ER	170	330	470	3200
	03/18/92	ATI-P	53	89	400	2400
	04/29/92	ATI-P	23	3.3	210	1000
	10/13/92	ATI-P	5.1	2.3	12	63
	04/20/93	ATI-A	6.5	< 0.5	14	51
	10/05/95	HEAL	610	5900	300	2600
	11/20/95	HEAL	970	7100	430	3100
	02/21/96	HEAL	1700	6900	340	3600
	05/21/96	HEAL	1500	280	6900	3500
	08/15/96	HEAL	670	3600	130	2400
	11/21/96	HEAL	460	2200	130	2500
	02/27/97	HEAL	250	1100	190	2000
	05/22/97	HEAL	130	720	110	1500
	08/20/97	HEAL	130	820	120	1300
	11/19/97	HEAL	85	730	100	1100
	02/11/98	HEAL	41	360	90	660
	06/10/98	HEAL	23	210	56	590
	10/01/98	HEAL	140	190	66	590
	04/28/99	OAL	200	170	45	620
	10/13/99	OAL	610	630	79	600
	12/05/99	OAL	720	390	130	570
	05/12/00	OAL	600	290	92	360
	11/17/00	NCA	1360	742	213	1010
	05/24/01	Analysys	1240	487	174	1105
	11/18/01	Analysys	2330	948	356	1987
	04/20/02	HEAL	1800	660	230	1400
	10/31/02	HEAL	1300	240	170	1100
	05/22/03	HEAL	1300	130	180	950
	11/11/03	HEAL	2300	240	340	1700
	06/08/04	HEAL	890	< 5	110	260
	06/08/05	HEAL	1400	< 5	160	520
	07/10/06	HEAL	1600	< 20	150	380
	07/25/07	HEAL	1700	< 20	170	590
	09/23/08	HEAL	1900	< 5	180	600

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-17B	08/90	AS	< 1	< 1	< 1	< 1
	11/90	EH	< 0.50	< 0.50	< 0.50	< 1.0
	01/91	EH	< 0.50	< 0.50	< 0.50	< 0.50
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	0.72	2.9	1.8	11
	07/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/08/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/07/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/06/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/14/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/27/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/11/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/01/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/99	OAL	< 1	< 1	< 1	< 1
	10/13/99	OAL	< 1	< 2	< 2	< 4
	05/12/00	OAL	< 1	< 2	< 2	< 4
	11/17/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	11/17/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-18B	08/90	AS	1100	14	< 1	220
	11/90	EH	1900	< 100	< 100	320
	01/91	EH	1300	< 25	< 25	170
	02/91	EH	970	11	< 5.0	170
	03/91	EH	260	1.8	< 0.50	23
	04/91	EH	1000	< 1.0	< 1.0	78
	06/91	EH	680	1.1	1.0	150
	07/91	EH	1500	3.0	1.5	70
	10/91	ER	1200	< 25	< 25	130
	01/08/92	ER	1100	< 25	< 25	88
	05/01/92	ATI-P	790	2.7	< 0.5	36
	10/13/92	ATI-P	820	< 0.5	1.0	36
	04/22/93	ATI-A	360	< 0.5	0.5	2.6
	10/05/95	HEAL	87	8.4	9.0	26
	11/17/95	HEAL	240	24	22	53
	02/21/96	HEAL	290	54	37	110
	05/21/96	HEAL	390	56	1.3	50
	08/14/96	HEAL	400	< 0.5	53	0.9
	11/21/96	HEAL	210	5	48	< 0.5
	02/27/97	HEAL	9.4	5.2	64	1.5
	05/22/97	HEAL	< 0.5	4.7	88	0.8
	08/19/97	HEAL	1.1	4.9	110	1.5
	11/17/97	HEAL	0.9	6	140	1.1
	02/11/98	HEAL	0.9	6.4	120	1.1
	06/10/98	HEAL	< 0.5	6.2	64	< 0.5
	09/30/98	HEAL	5.6	1.3	17	1.0
	04/28/99	OAL	2	< 1	< 1	2.0
	10/12/99	OAL	17	< 2	5	42
	05/12/00	OAL	10	< 2	12	14
	11/16/00	NCA	1.93	< 0.500	< 0.500	1.60
	05/24/01	Analysys	2.92	< 1	< 1	< 2
	11/17/01	Analysys	<1	< 1	< 1	< 2
	04/20/02	HEAL	0.55	< 0.50	0.72	0.89
	10/31/02	HEAL	0.68	< 0.50	< 0.50	0.95
	05/22/03	HEAL	< 0.50	5.9	< 0.50	2.5
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	0.91	1.2
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-19B	08/90	AS	190	3.5	5.8	44
	11/90	EH	180	11	< 10	< 20
	01/91	EH	150	< 0.30	0.60	15
	02/91	EH	200	5.8	< 2.5	14
	03/91	EH	200	30	180	880
	04/91	EH	290	< 25	210	880
	05/91	EH	240	< 0.50	0.71	21
	06/91	EH	290	7.5	2.2	22
	07/91	EH	240	< 0.50	0.58	14
	10/91	ER	140	< 2.5	< 2.5	12
	01/08/92	ER	240	< 5.0	< 5.0	9.0
	02/20/92	ER	150	< 2.5	< 2.5	4.2
	03/19/92	ATI-P	140	< 0.5	< 0.5	5.9
	04/29/92	ATI-P	190	< 0.5	< 0.5	4.3
	10/13/92	ATI-P	130	< 0.5	< 0.5	4.4
	10/05/95	HEAL	1.0	0.7	< 0.5	< 0.5
	11/20/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/21/96	HEAL	0.9	0.8	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/14/96	HEAL	0.7	0.6	< 0.5	< 0.5
	11/21/96	HEAL	0.9	0.6	< 0.5	< 0.5
	02/27/97	HEAL	1.3	1	< 0.5	0.7
	05/21/97	HEAL	1.2	1	< 0.5	< 0.5
	08/20/97	HEAL	1.7	1.3	0.6	< 0.5
	11/17/97	HEAL	2.5	2.0	0.9	0.7
	02/11/98	HEAL	2.3	1.8	0.8	0.7
	06/10/98	HEAL	1.5	1.4	1.5	0.6
	10/01/98	HEAL	7.4	3.9	1.6	2.9
	04/28/99	OAL	43	< 1	1	3
	10/12/99	OAL	13	< 2	< 2	< 4
	05/12/00	OAL	16	< 2	3	4
	11/17/00	NCA	1.03	< 0.500	1.88	< 1.00
	05/24/01	Analysys	< 1	< 1	1.17	< 2
	11/17/01	Analysys	< 1	< 1	< 1	<2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-20B	08/90	AS	58	8.0	< 1	51
	11/90	EH	180	< 5.0	< 5.0	12
	01/91	EH	93	14	< 1.0	23
	02/91	EH	280	14	< 10	46
	02/91	EH	110	< 5.0	< 5.0	< 5.0
	03/91	EH	200	< 5.0	< 5.0	< 10
	04/91	EH	180	< 1.0	< 1.0	19
	05/91	EH	160	< 5.0	< 5.0	32
	06/91	EH	300	1.1	< 0.50	15
	07/91	EH	73	1.1	1.0	24
	10/91	ER	57	2.2	< 1.2	11
	01/08/92	ER	31	< 1.2	< 1.2	6.7
	05/01/92	ATI-P	55	3.9	4.9	6.2
	10/12/92	ATI-P	52	2.7	4.4	11
	04/21/93	ATI-A	14	< 0.5	6.1	10
	10/05/95	HEAL	3.2	0.7	3.5	< 0.5
	11/17/95	HEAL	12	2.3	< 0.5	2.6
	02/21/96	HEAL	2.8	1.7	2.7	2.3
	05/21/96	HEAL	1.7	1.3	0.8	< 0.5
	08/14/96	HEAL	8.1	0.7	0.8	1.5
	11/20/96	HEAL	7.2	0.9	1.4	< 0.5
	02/27/97	HEAL	12	1.3	1.8	3.3
	05/22/97	HEAL	2.0	0.7	0.8	0.5
	08/19/97	HEAL	10.0	1.0	1.9	1.4
	11/18/97	HEAL	4.3	0.8	1.1	1.1
	02/11/98	HEAL	< 0.5	1.3	2.3	0.5
	06/09/98	HEAL	15	0.8	0.7	< 0.5
	10/01/98	HEAL	1.5	1.4	1.5	1.3
	04/28/99	OAL	< 1	< 1	1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/12/00	OAL	1	< 2	2	< 4
	11/16/00	NCA	0.961	< 0.500	0.763	< 1.00
	05/24/01	Analysys	3.28	< 1	< 1	< 2
	11/17/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	0.86	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	0.76	0.70	< 0.50	< 0.50
	05/22/03	HEAL	1.0	0.91	< 0.50	< 0.50
	11/11/03	HEAL	0.5	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	1.1	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	1.0	0.53	< 0.50	< 0.50
	07/12/06	HEAL	1.3	< 1	< 1	< 3
	07/25/07	HEAL	< 1	< 1	< 1	< 2
	09/23/08	HEAL	< 1	< 1	< 1	< 2

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-22B	10/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	< 0.50	< 0.50	< 0.50	< 0.50
	02/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	03/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	04/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	05/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	06/91	EH	1.9	5.5	13	58
	07/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	09/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	12/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/10/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/28/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	03/18/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/08/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	12/12/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/26/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/03/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/12/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/96	HEAL	< 0.5	< 0.5	< 0.5	1.9
	02/27/97	HEAL	5.6	9.3	< 0.5	65
	05/22/97	HEAL	3.6	< 0.5	< 0.5	7.1
	08/20/97	HEAL	3.2	7.3	< 0.5	5.3
	11/18/97	HEAL	3.8	2.3	< 0.5	0.6

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-23B	10/90	AS	5.3	< 1	< 1	< 1
	11/90	EH	5.1	< 0.50	< 0.50	< 1.0
	01/91	EH	3.0	< 0.50	< 0.50	< 0.60
	02/91	EH	6.6	< 0.50	< 0.50	< 1.0
	03/91	EH	8.5	< 0.50	< 0.50	1.2
	04/91	EH	5.0	< 0.50	< 0.50	< 1.0
	05/91	EH	120	< 0.50	< 0.50	7.5
	06/91	EH	3.8	0.55	< 0.50	5.7
	07/91	EH	2.0	< 0.50	< 0.50	1.3
	09/91	EH	2.1	< 0.50	< 0.50	1.1
	10/91	ER	1.6	< 0.50	< 0.50	< 0.50
	11/91	ER	0.59	< 0.50	< 0.50	< 0.50
	12/91	ER	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	ER	0.65	< 0.50	< 0.50	< 0.50
	02/18/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	04/30/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/09/92	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/04/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/22/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/13/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/19/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/08/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/29/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-24B	10/90	AS	63	< 1	2.0	1.6
	11/90	EH	100	< 5.0	< 5.0	< 10
	01/91	EH	40	0.55	0.74	< 1.0
	02/91	EH	150	16	< 5.0	21
	03/91	EH	89	9.8	< 0.50	3.5
	04/91	EH	230	< 1.0	< 1.0	6.3
	05/91	EH	4.3	< 0.50	< 0.50	1.3
	06/91	EH	280	0.86	0.64	13
	07/91	EH	130	< 0.50	< 0.50	8.7
	09/91	EH	250	0.54	< 0.50	12
	10/91	ER	140	< 2.5	< 2.5	< 2.5
	11/91	ER	180	< 5.0	< 5.0	< 5.0
	12/91	ER	180	< 5.0	< 5.0	< 5.0
	01/07/92	ER	120	< 2.5	< 2.5	< 2.5
	02/18/92	ER	140	< 2.5	< 2.5	< 2.5
	03/17/92	ATI-P	120	< 2.5	0.8	1.4
	04/30/92	ATI-P	100	2.1	1.4	2.2
	10/13/92	ATI-P	1.2	< 0.5	0.8	0.8
	04/21/93	ATI-P	< 0.5	< 0.5	0.7	1.4
	10/03/95	HEAL	< 0.5	< 0.5	1.0	1.0
	11/17/95	HEAL	1.2	0.8	0.5	1.0
	02/20/96	HEAL	1.3	1.0	0.7	2.0
	05/21/96	HEAL	< 0.5	0.9	< 0.5	0.7
	08/13/96	HEAL	1.2	0.6	0.7	1.3
	11/19/95	HEAL	0.9	< 0.5	0.6	0.8
	02/26/97	HEAL	0.9	0.6	1	1.8
	05/21/97	HEAL	0.7	< 0.5	1	1.6
	08/19/97	HEAL	1.2	0.5	0.9	< 5.0
	11/18/97	HEAL	0.6	< 0.5	0.7	1.3
	02/10/98	HEAL	0.5	< 0.5	0.7	< 0.5
	06/09/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	09/29/98	HEAL	< 0.5	0.6	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/11/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/16/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	11/17/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	0.59
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-34B	01/07/92	ER	120	< 2.5	< 2.5	< 2.5
	02/18/92	ER	140	< 2.5	< 2.5	< 2.5
	03/17/92	ATI-P	120	< 0.5	0.8	1.4
	04/30/92	ATI-P	100	2.1	1.4	2.2
	10/13/92	ATI-P	1.2	< 0.5	0.8	0.8
	04/21/93	ATI-A	< 0.5	< 0.5	0.7	1.4
	12/13/94	HEAL	4700	13,000	460	5,900

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-35B	04/22/93	ATI-A	360	1400	130	1700
5-36E	12/14/94	HEAL	620	2700	230	3300
5-37I	02/22/96	HEAL	640	520	24	990
	04/16/96	HEAL	580	300	22	600
	05/21/96	HEAL	590	19	340	600
	07/03/96	HEAL	1100	600	31	880
	08/15/96	HEAL	310	54	14	430
	11/22/96	HEAL	440	140	20	520
5-41B	10/09/92	ATI-P	47	3.9	0.7	1.0
	04/20/93	ATI-A	1.4	< 0.5	2.5	2.1
	10/04/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/13/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-47B	10/07/92	ATI-P	1.0	< 0.5	< 0.5	< 0.5
	04/20/93	ATI-A	2.9	< 0.5	< 0.5	< 0.5
	10/04/95	HEAL	7.2	2.0	0.6	4.6
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/13/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-48B	10/12/92	ATI-P	380	1100	84	840
	04/21/93	ATI-A	99	390	34	360
	10/05/95	HEAL	550	940	290	1900
	11/20/95	HEAL	820	1700	390	2600
	02/21/96	HEAL	690	1100	550	3300
	04/16/96	HEAL	600	1700	420	3100
	05/21/96	HEAL	620	480	3600	3600
	07/03/96	HEAL	670	5100	410	3500
	08/14/96	HEAL	770	7600	340	3900
	11/21/96	HEAL	960	8500	330	3900
	02/27/97	HEAL	1100	10000	430	4700
	05/22/97	HEAL	1100	8000	450	4400
	08/20/97	HEAL	1200	7000	440	4200
	11/19/97	HEAL	1400	6900	330	3900
	12/09/97	HEAL	1800	7700	430	4700
	01/08/98	HEAL	1600	7600	440	4100
	02/11/98	HEAL	2100	8000	460	4600
	06/11/98	HEAL	2100	8000	200	3800
	10/01/98	HEAL	2100	6100	420	4300
	04/28/99	OAL	1700	4400	140	3100
	10/12/99	OAL	1000	1900	320	2900
	05/12/00	OAL	1400	680	270	2200
	11/17/00	NCA	860	157	259	2360
	05/22/01	Analysys	683	194	28.8	1703
	11/18/01	Analysys	841	24.3	241	1893
	04/20/02	HEAL	1100	23	190	1700
	10/30/02	HEAL	5600	51	350	3100
	05/21/03	HEAL	2100	< 50	320	2700
	11/11/03	HEAL	4100	< 25	520	4700
	06/07/04	HEAL	3400	38	420	3200
	06/09/05	HEAL	2500	< 25	200	1500
5-57B	04/19/93	ATI-A	< 0.5	< 0.5	< 0.5	< 0.5
	10/04/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/12/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/08/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	Date	Lab	Benzene	Toluene	Ethyl-benzene	Total Xylenes
5-58B	04/19/93	ATI-A	< 0.5	< 0.5	< 0.5	< 0.5
	10/04/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/19/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/12/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/20/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-59	07/28/01	Analysys	< 1	< 1	< 1	< 2
	11/19/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-60	11/18/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 3. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab	BTEX Concentration (ug/L)			
			Benzene	Toluene	Ethyl-benzene	Total Xylenes
SVE-1	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/16/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	11/18/01	Analysys	<1	<1	<1	<2
	04/18/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

† Lab Designations
ABB = ASEA Brown Boveri
AEN = American Environmental Network, Inc. (Albuquerque)
AS = Assaigai Laboratories (Albuquerque)
ATI-A = Analytical Technologies, Inc. (Albuquerque)
ATI-P = Analytical Technologies, Inc. (Phoenix)
ER = Enseco (Rocky Mountain Analytical)
EH = Enseco (Houston)
HEAL = Hall Environmental Analysis Laboratory (Albuquerque)
OAL = Oregon Analytical Laboratory (Portland, OR)
NCA = North Creek Analytical (Portland, OR)
Analysys = Analysys Inc. (Austin, TX)
NA = Not Analyzed

Table 4. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab †	PCB Concentration by Aroclor (µg/L)								
			1016	1221	1232	1242	1248	1254	1260	1016/1242	1016/1221
U. S. EPA / SDWA MCL											
5-01C	05/12/00	OAL	**2.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	11/17/00	NCA	< 0.5	< 1.0	< 0.5	**1.9**	< 0.5	< 0.5	< 0.5	--	--
	05/22/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/19/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	**13.5**	--
	04/20/02	NCA	< 0.5	**1.37**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	10/30/02	HEAL	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	05/21/03	HEAL	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	**2.6**
	11/10/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/07/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/08/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/11/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
5-06C	05/13/00	OAL	**7.2**	< 0.5	< 0.5	**266**	< 0.5	< 0.5	< 0.5	--	--
	11/17/00	NCA	< 0.5	< 0.5	< 0.5	**5.23**	< 0.5	< 0.5	< 0.5	--	--
	05/22/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	**3.1**	--
	11/18/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	**43.7**	--
	04/20/02	NCA	< 10.0	**150**	< 0.5	< 10.0	< 10.0	< 10.0	< 10.0	--	--
	10/30/02	HEAL	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	**41**
	05/21/03	HEAL	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	**5.8**
	11/10/03	HEAL	**1.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/07/04	HEAL	**2.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/09/05	HEAL	**2.2**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/11/06	HEAL	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	--	--
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--

Table 4. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab †	PCB Concentration by Aroclor (µg/L)								
			1016	1221	1232	1242	1248	1254	1260	1016/1242	1016/1221
U. S. EPA / SDWA MCL											
5-17B	05/12/00	OAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	11/17/00	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	05/23/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/17/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/19/02	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	10/31/02	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	05/22/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	11/11/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/08/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/08/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/10/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
5-59	07/28/01	Analysys	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	11/19/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	**30.7**	--
	04/20/02	NCA	< 10.0	**78.6**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	--	--
	10/30/02	HEAL	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	**19**
	05/21/03	HEAL	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	**14**
	11/11/03	HEAL	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/08/04	HEAL	**10**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/09/05	HEAL	**4.6**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/11/06	HEAL	**3.4**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/25/07	HEAL	**1.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--

Table 4. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	Date	Lab †	PCB Concentration by Aroclor (µg/L)								
			1016	1221	1232	1242	1248	1254	1260	1016/1242	1016/1221
U. S. EPA / SDWA MCL											
5-60	11/18/01	Analysys	--	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/20/02	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
	10/31/02	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	05/22/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	11/11/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/08/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	06/09/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/11/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--

Notes:

† Lab Designations
OAL = Oregon Analytical Laboratory (Portland, Or)
NCA = North Creek Analytical (Portland, Or)
Analysys = Analysys Inc. (Austin, Tx)
HEAL = Hall Environmental Analysis Laboratory (Albuquerque, NM)

†† Total PCB for purpose of this summary table and plotting is the sum of all measured Aroclor concentrations.
Values reported as Non Detect are reported as zero.

Table 5. Summary of Quality Assurance Program Results
Thoreau Compressor Station No. 5

Well ID	Date	Replicate ID	Lab	Concentration (µg/L)											
				PCBs	Aroclor	RL	Benzene	RL	Toluene	RL	Ethyl-benzene	RL	Total Xylenes	RL
5-01B	1/9/92	5-01B	ER	ND	---	1.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50
	1/9/92	5-99	ER	ND	---	1.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50
	2/20/92	5-01B	ER	82	1221	10	ND	0.50	ND	0.50	ND	0.50	5.2	0.50
	2/20/92	5-99	ER	87	1221	10	ND	0.50	ND	0.50	ND	0.50	6.7	0.50
	3/18/92	5-01B	ATI	54	1221	2.5	ND	0.50	ND	0.50	ND	0.50	3.3	0.50
	3/18/92	5-99	ATI	65	1221	2.5	ND	0.50	ND	0.50	ND	0.50	3.9	0.50
	2/22/96	5-01B	HEAL/NET	<0.065	---	0.065	4.3	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	2/22/96	5-99	HEAL/NET	<0.065	---	0.065	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	08/14/96	5-01B	HEAL/NET	14.2	1221	NA	<0.5	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	08/14/96	5-99	HEAL/NET	5.61	1221	NA	NA	0.50	NA	0.50	NA	0.50	NA	0.50
5-02B	7/24/91	5-02B	EH	ND	---	0.50	830	250	1200	250	150	25	1300	50
	7/24/91	9107245-2BR	EH	ND	---	0.50	680	50	1000	50	73	50	670	100
	11/21/95	5-02B	HEAL	NA	---	NA	740	0.50	2900	0.50	160	0.50	1100	0.50
	11/21/95	5-98	HEAL	NA	---	NA	670	0.50	2000	0.50	120	0.50	990	0.50
	05/23/96	5-02B	HEAL	NA	---	NA	380	0.50	120	0.50	1300	0.50	1100	0.50
	05/23/96	5-98	HEAL	NA	---	NA	520	0.50	160	0.50	1600	0.50	1200	0.50
	2/28/97	5-06B	HEAL	NA	---	NA	260	0.50	500	0.50	90	0.50	680	0.50
	2/28/97	5-98	HEAL	NA	---	NA	290	0.50	510	0.50	91	0.50	690	0.50
5-02C	10/01/98	5-02C	HEAL	NA	---	NA	1300	0.50	3500	0.50	230	0.50	1800	0.50
	10/01/98	5-98	HEAL	NA	---	NA	1300	0.50	3400	0.50	230	0.50	1800	0.50
	4/28/99	5-02C	OAL	NA	---	NA	1500	1	4400	1	260	1	2500	1
	4/28/99	5-98	OAL	NA	---	NA	1500	1	4400	1	250	1	2400	1
	11/17/00	5-02C	NCA	NA	---	NA	671	0.500	1000	0.500	372	0.500	3820	20.0
	11/17/00	5-98	NCA	NA	---	NA	623	0.500	972	0.500	358	0.500	3730	20.0
	11/17/01	5-02C	Analysys	NA	---	NA	587	100	15.2	100	365	100	3622	100
	11/17/01	5-65	Analysys	NA	---	NA	577	100	15.6	100	401	100	3890	100
	4/20/02	5-02C	HEAL	NA	---	NA	450	10	ND	10	300	10	3100	10
	4/20/02	5-65	HEAL	NA	---	NA	450	10	ND	10	300	10	3200	10
	10/31/02	5-02C	HEAL	NA	---	NA	330	5.0	ND	5.0	230	5.0	2000	5.0
	10/31/02	5-65	HEAL	NA	---	NA	350	20	3.2	2.5	230	20	2200	20
	5/22/03	5-02C	HEAL	NA	---	NA	290	10	ND	10	200	10	800	10
	5/22/03	5-67	HEAL	NA	---	NA	290	10	ND	10	190	10	780	10
	11/11/03	5-02C	HEAL	NA	---	NA	450	2.5	ND	2.5	240	2.5	770	2.5
	11/11/03	5-66	HEAL	NA	---	NA	490	2.5	ND	2.5	240	2.5	770	2.5
	6/8/04	5-02C	HEAL	NA	---	NA	270	25	28	25	160	25	1000	25
	6/8/04	5-66	HEAL	NA	---	NA	280	5	28	5	170	5	1100	5
5-04B	10/3/91	5-04B	ER	ND	---	0.50	180	5.0	ND	5.0	7.8	5.0	48	5.0
	10/3/91	9110035-4R	ER	ND	---	0.50	86	2.5	2.5	2.5	6.5	2.5	40	2.5
5-06B	11/5/91	5-06B	ER	140	1221	100	1.4	0.50	ND	0.50	ND	0.50	6.0	0.50
	11/5/91	6-99	ER	ND	---	1.0	1.8	0.50	ND	0.50	ND	0.50	14	0.50
	12/10/91	5-06B	ER	270	1221	100	ND	0.50	ND	0.50	ND	0.50	5.0	0.50
	12/10/91	9112105-99	ER	170	1221	100	ND	0.50	ND	0.50	ND	0.50	5.4	0.50
	1/27/92	5-06B	ER	190	1221	100	1.3	0.50	ND	0.50	ND	0.50	2.6	0.50
	1/27/92	9201275-99	ER	250	1221	100	3.0	0.50	ND	0.50	ND	0.50	13	0.50
	4/29/92	5-06B	ATI	150	1221	0.50	1.4	0.50	ND	0.50	ND	0.50	3.6	0.50
	4/29/92	5-99	ATI	150	1221	0.50	1.3	0.50	ND	0.50	ND	0.50	2.0	0.50
	10/14/92	5-06B	ATI	280	1221	5.0	1.0	0.50	ND	0.50	ND	0.50	2.8	0.50
	10/14/92	5-99	ATI	270	1221	5.0	1.0	0.50	ND	0.50	ND	0.50	2.6	0.50
	12/14/94	5-06B	HEAL	NA	---	NA	4.3	0.50	ND	0.50	ND	0.50	0.7	0.50
	12/14/94	5-99	HEAL	NA	---	NA	3.2	0.50	ND	0.50	ND	0.50	ND	0.50
	11/21/95	5-06B	HEAL/NET	44.4	1242	0.50	6.2	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	11/21/95	5-99	HEAL/NET	37.8	1242	0.50	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	05/23/96	5-06B	HEAL/NET	78	---	0.065	1.2	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	05/23/96	5-99	HEAL/NET	<0.065	---	0.065	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	11/22/96	5-06B	HEAL/NET	42.8	1221	0.065	0.9	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	11/22/96	5-99	HEAL/NET	34.1	1221	0.065	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	2/28/97	5-06B	HEAL/NET	48.2	1221	0.065	0.9	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	2/28/97	5-99	HEAL/NET	49.7	1221	0.065	0.8	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	5/22/97	5-06B	HEAL/NET	7.29	1221	0.065	0.7	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	5/22/97	5-99B	HEAL/NET	5.18	1221	0.065	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	8/20/97	5-06B	HEAL/EPIC	16.5	1221	0.65	0.7	0.50	<0.5	0.50	<0.5	0.50	<0.5	0.50
	8/20/97	5-99B	HEAL/EPIC	8.1	1221	0.065	NA	0.50	NA	0.50	NA	0.50	NA	0.50
5-06C	2/12/98	5-06C	HEAL	320	1221	5.0	2.2	0.50	1.4	0.50	<0.5	0.50	1.3	0.50
	2/12/98	5-99	HEAL	280	1221	5.0	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	6/11/98	5-06C	HEAL	180	1221	5.0	1.2	0.50	0.6	0.50	<0.5	0.50	<0.5	0.50
	6/11/98	5-99	HEAL	190	1221	5.0	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	10/01/98	5-06C	HEAL	29	1221	5.0	1.5	0.50	1.3	0.50	<0.5	0.50	<0.5	0.50
	10/01/98	5-99	HEAL	33	1221	5.0	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	4/28/99	5-06C	OAL	7.1/320	1061/1221	1.5/1.0	<1	1	<1	1	<1	1	<1	1
	4/28/99	5-99	OAL	6.3/280	1061/1221	0.5/1.0	NA	1	NA	1	NA	1	NA	1
	10/14/99	5-06C	OAL	14/300	1061/1221	5.0/10	<1	1	<2	2	<2	2	<4	4
	10/14/99	5-99	OAL	14/290	1061/1221	5.0/10	NA	1	NA	2	NA	2	NA	4
	5/13/00	5-06C	OAL	7.2/266	1061/1221	5.0/10	1	1	<2	2	<2	2	<4	4
	5/13/00	5-99	OAL	6.6/263	1061/1221	5.0/10	NA	1	NA	2	NA	2	NA	4
	11/17/00	5-06C	NCA	5.23	1242	0.500	<0.500	0.500	<0.500	0.500	<0.500	0.500	<1	1.00
	11/17/00	5-99	NCA	4.45/5.17	1016/1242	0.500/0.500	NA	0.500	NA	0.500	NA	0.500	NA	1.00
	5/22/01	5-06C	Analysys	3.1	1016/1242	1	<1	0.500	<1	0.500	<1	0.500	<2	1.00
	5/22/01	5-99	Analysys	5.81	1016/1242	1	NA	0.500	NA	0.500	NA	0.500	NA	1.00
	11/18/01	5-06C	Analysys	43.7	1016/1242	0.5	1.19	1	<1	1	<1	1	<2	2
	11/18/01	5-66	Analysys	40.5	1016/1242	0.5	NA	1	NA	1	NA	1	NA	2
	4/20/02	5-06C	HEAL	150	1221	1.00	1.1	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50
	4/20/02	5-66	HEAL	168	1221	20.0	NA	0.50	NA	0.50	NA	0.50	NA	0.50
	7/25/07	5-06C	HEAL	1.1	1248	1.00	<1	1	<1	1	<1	1	<2	2
	7/25/07	5-61	HEAL	1.1	1248	1.00	NA	1	NA	1	NA	1	NA	2
	9/23/08	5-06C	HEAL	<1/<5	---	1.0/5.0	<1	1	<1	1	<1	1	<2	2
	9/23/08	5-61	HEAL	1.3	1016	1.0	NA	1	NA	1	NA	1	NA	2

Table 5. Summary of Quality Assurance Program Results
Thoreau Compressor Station No. 5

Well ID	Date	Replicate ID	Lab	Concentration (µg/L)											
				PCBs	Aroclor	RL	Benzene	RL	Toluene	RL	Ethyl-benzene	RL	Total Xylenes	RL
5-16B	8/20/97	5-16B	HEAL	NA	---	NA	130	0.50	820	0.50	120	0.50	1300	0.50
	8/20/97	5-98	HEAL	NA	---	NA	130	0.50	790	0.50	120	0.50	1200	0.50
	2/11/98	5-16B	HEAL	NA	---	NA	41	0.50	360	0.50	90	0.50	660	0.50
	2/11/98	5-98	HEAL	NA	---	NA	45	0.50	350	0.50	91	0.50	650	0.50
	5/12/00	5-16B	OAL	NA	---	NA	600	5	290	10	92	10	360	20
	5/12/00	5-98	OAL	NA	---	NA	510	10	200	20	70	20	270	40
	5/24/01	5-16B	Analysys	NA	---	NA	1240	100	487	100	174	100	1105	100
	5/24/01	5-98	Analysys	NA	---	NA	1220	100	466	100	181	100	1184	100
	06/08/05	5-16B	HEAL	NA	---	NA	1400	5	< 5	5	160	5	520	5
	06/08/05	5-68B	HEAL	NA	---	NA	1900	5	< 5	5	200	5	920	5
	7/10/06	5-16B	HEAL	NA	---	NA	1600	20	< 20	20	150	20	380	60
	7/10/06	5-61	HEAL	NA	---	NA	1400	20	< 20	20	140	20	420	60
	7/25/07	5-16B	HEAL	NA	---	NA	1700	20	< 20	20	170	20	590	40
	7/25/07	5-61	HEAL	NA	---	NA	1500	20	< 20	20	150	20	380	40
	9/23/08	5-16B	HEAL	NA	---	NA	1900	20	< 20	20	180	20	600	10
	9/23/08	5-61	HEAL	NA	---	NA	1700	20	< 20	20	190	20	680	10
5-17B	5/22/1991	5-17B	EH	ND	---	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.0
	5/22/1991	91-5-22-5-17BI	EH	ND	---	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.0
5-18B	10/11/91	5-18B	ER	NA	---	NA	1200	25	ND	25	ND	25	130	25
	10/11/91	91110115 18BR	ER	NA	---	NA	1200	25	ND	25	ND	25	110	25
	5/22/97	5-18B	HEAL	NA	---	NA	<0.5	0.50	4.7	0.50	88	0.50	0.8	0.50
	5/22/97	5-98	HEAL	NA	---	NA	<0.5	0.50	4.3	0.50	89	0.50	0.8	0.50
5-24B	5/22/1991	5-24B	EH	ND	---	0.50	4.3	0.50	ND	0.50	ND	0.50	1.3	1.0
	5/22/1991	91-5-22-5-24BI	EH	ND	---	0.50	130	5.0	ND	0.50	ND	0.50	9.4	1.0
5-48B	10/06/95	5-48B	HEAL	NA	---	NA	550	12.5	940	12.5	290	12.5	1900	12.5
	10/06/95	5-99	HEAL	NA	---	NA	730	20	1000	20	290	20	2300	20
	2/21/96	5-48B	HEAL	NA	---	NA	690	0.50	1100	0.50	550	0.50	3300	0.50
	2/21/96	5-98	HEAL	NA	---	NA	580	0.50	1200	0.50	540	0.50	3100	0.50
	08/14/96	5-48B	HEAL	NA	---	NA	770	0.50	7600	0.50	340	0.50	3900	0.50
	08/14/96	5-98	HEAL	NA	---	NA	630	0.50	7900	0.50	300	0.50	3600	0.50
	11/21/96	5-48B	HEAL	NA	---	NA	960	0.50	8500	0.50	330	0.50	3900	0.50
	11/21/96	5-98	HEAL	NA	---	NA	970	0.50	8600	0.50	330	0.50	4000	0.50
	11/19/97	5-48B	HEAL	NA	---	NA	1400	0.50	6900	0.50	330	0.50	3900	0.50
	11/19/97	5-98	HEAL	NA	---	NA	1600	0.50	7300	0.50	330	0.50	4100	0.50
	6/11/98	5-48B	HEAL	NA	---	NA	2100	0.50	8000	0.50	200	0.50	3800	0.50
	6/11/98	5-98	HEAL	NA	---	NA	2000	0.50	7900	0.50	210	0.50	3800	0.50
	10/12/99	5-48B	OAL	NA	---	NA	1000	50	1900	100	320	100	2900	200
	10/12/99	5-98	OAL	NA	---	NA	960	50	1800	100	300	100	2600	200
5-59	10/30/02	5-59	HEAL	19	1016/1221	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
	10/30/02	5-66	HEAL	19	1016/1221	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/03	5-59	HEAL	14	1016/1221	1.0	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	5/22/03	5-66	HEAL	14	1016/1221	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	11/11/03	5-59	HEAL	11	1016	1.0	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	11/11/03	5-66	HEAL	9.7	1016	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/8/04	5-59	HEAL	10	1016	1.0	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	6/8/04	5-61	HEAL	11	1016	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	7/11/06	5-59	HEAL	3.4	1016	1.0	ND	1.0	ND	1.0	ND	1.0	ND	3.0
	7/11/06	5-61	HEAL	3.3	1016	1.0	NA	NA	NA	NA	NA	NA	NA	NA

† Lab Designations
ATI-A = Analytical Technologies, Inc. (Albuquerque)
ATI-P = Analytical Technologies, Inc. (Phoenix)
ER = Enseco (Rocky Mountain Analytical)
EH = Enseco (Houston)
HEAL = Hall Environmental Analysis Laboratory (Albuquerque)
NET - National Environmental Testing, INC.
OAL - Oregon Analytical Laboratory
NA = Not Analyzed

Table 6. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
Thoreau Compressor Station No. 5

Well ID	Analytical Requirements for Annual Event	Benzene (ppb) Last Sample Event	PCBs (ppb) Last Sample Event	Comments
5-01C	BTEX & PCBs	<1	<5	has tested positive for PCBs
5-02B	none	---	---	not enough water to collect a sample
5-02C	BTEX	300	---	replacement for well 5-02B - PSH in well
5-03B	none	<0.5	---	clean upgradient well
5-04B	none	---	---	little value as a sampling point
5-05B	none	2.5	---	little value as a sampling point
5-06C	BTEX & PCBs	<1	1.5	has tested positive for PCBs
5-12B	none	<0.5	---	clean downgradient well
5-13B	none	<0.5	---	clean downgradient well
5-14B	none	<0.5	---	clean downgradient well
5-15B	none	<0.5	---	clean perimeter well
5-16B	BTEX	1600	---	impacted well
5-17B	BTEX & PCBs	<1	<5	downgradient of wells with PCBs
5-18B	BTEX	<1	---	downgradient of current plume
5-19B	none	<0.5	---	clean perimeter well
5-20B	BTEX	1.3	---	downgradient of current plume
5-22B	none	---	---	not enough water to collect a sample
5-23B	none	<0.5	---	clean downgradient well
5-24B	none	<0.5	---	clean downgradient well
5-34B	none	---	---	remediation system well
5-35B	none	---	---	pilot test well not suitable for sampling
5-36E	none	---	---	pilot test well not suitable for sampling
5-37I	none	---	---	pilot test well not suitable for sampling
5-41B	none	---	---	clean downgradient well
5-48B	BTEX	2500	---	impacted well - not enough water to collect sample 2006
5-59	BTEX & PCBs	<1	3.4	has tested positive for PCBs
5-60	BTEX & PCBs	<1	<5	adjacent to wells with PCBs
SVE-1	none	<0.5	---	remediation system well
SVE-2	none	---	---	remediation system well
SVE-3	none	---	---	remediation system well
SVE-4	none	---	---	remediation system well

Notes:
1) na - not available
2) BTEX - BTEX Compounds by either EPA Method 8021B or EPA Method 8260
3) PCBs - Polychlorinated Biphenyls by EPA Method 8082

Table 7. Summary of Completion Details for Soil Borings Completed as Wells
Thoreau Compressor Station No. 5

Well	Source[a]	Date of Completion	Measuring Point Elevation (ft)	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
5 01C	Layne Christensen/CES	11/17/97	7,292.11 (c)	52.73	-35.22	55.0	na	stick up	2	44.5-54.5	42.5
5-02B	na	05/12/89	7,292.06 (b)	58.60	-145.02	55.5	56.69	flush mount	2	37.5-51.0	ns
5 02C	Layne Christensen/CES	11/15/97	7,291.82 (c)	49.32	-155.28	58.5	62.10	flush mount	2	42.0-57.0	40
5-03B	na	05/11/89	7,303.76 (b)	440.30	-109.97	58.0	55.60	flush mount	2	41.0-54.5	na
5-04B	Western Technologies Inc./DBS	09/16/89	7,292.39 (b)	15.05	-231.56	58.8	58.08	flush mount	2	38.7-57.2	36.9
5-05B	Western Technologies Inc./DBS	09/19/89	7,290.83 (b)	12.86	-152.20	59.5	62.02	flush mount	2	39.5-58.0	37.5
5 06C	Layne Christensen/CES	11/18/97	7,291.46 (c)	9.38	-10.62	62.5	na	stick up	2	47.0-62.0	44.9
5-12B	Stewart Brothers/DBS	06/28/90	7,279.61 (b)	-387.48	-89.37	65.0	na	flush mount	2	45.0-65.0	41.4
5-13B	Stewart Brothers/DBS	06/28/90	7,282.43 (b)	-369.35	-261.04	69.4	na	flush mount	2	49.3-69.4	45.0
5-14B	Stewart Brothers/DBS	06/27/90	7,285.76 (b)	-357.23	-441.25	72.3	na	flush mount	2	42.3-72.3	48.4
5-15B	Stewart Brothers/DBS	06/29/90	7,292.92 (b)	-87.47	-344.34	65.6	na	flush mount	2	45.6-65.6	41.5
5-16B	Western Technologies Inc./DBS	07/05/90	7,288.82 (b)	-145.56	-248.38	64.6	65.4	flush mount	2	34.6-64.6	33.5
5-17B	Western Technologies Inc./DBS	07/03/90	7,284.75 (b)	-88.53	-40.96	63.9	64.2	flush mount	2	33.9-63.9	31.2
5-18B	Western Technologies Inc./DBS	07/09/90	7,286.41 (b)	-256.43	-309.06	69.9	na	flush mount	2	49.9-69.9	43.4
5-19B	Western Technologies Inc./DBS	07/10/90	7,290.52 (b)	-157.69	-330.24	63.3	65.05	flush mount	2	43.3-63.3	37.5
5-20B	Western Technologies Inc./DBS	07/11/90	7,284.60 (b)	-261.92	-172.12	64.0	na	flush mount	2	33.9-63.9	28.3
5-22B	Stewart Brothers/DBS	09/13/90	7,292.74 (b)	88.16	-198.69	55.8	54.9	flush mount	2	45.8-55.8	42.2
5-23B	Stewart Brothers/DBS	09/21/90	7,282.63 (b)	-450.52	-315.67	80.1	na	flush mount	2	50.1-80.1	42.7
5-24B	Stewart Brothers/DBS	09/25/90	7,279.18 (b)	-460.67	-211.48	75.5	na	flush mount	2	45.5-75.5	36.5
5-34B	Ward Drilling Co./DBS	03/31/93	7,294.71 (b)	25.97	-306.80	65.7	63.10	flush mount	4	34.0-64.0	33.0
5-35B	Ward Drilling Co./DBS	04/05/92	7,296.11 (b)	37.30	-289.09	70.0	62.21	stick up	4	31.3-61.3	28.4
5-36E	Ward Drilling Co./DBS	04/09/92	7,296.56 (b)	30.28	-287.13	67.5	68.51	stick up	4	47.7-62.3	43.4
5-37I	Ward Drilling Co./DBS	04/16/92	7,296.31 (b)	44.48	-290.76	72.5	61.72	stick up	4	52.1-59.8	51.4
5-41B	Stewart Brothers/DBS	07/24/92	7,279.73 (b)	-603.88	-174.07	77.0	na	flush mount	2	55.0-72.0	53.0

Table 7. Summary of Completion Details for Soil Borings Completed as Wells
Thoreau Compressor Station No. 5

Well	Source[a]	Date of Completion	Measuring Point Elevation (ft)	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
5-47B	Stewart Brothers/DBS	08/04/92	7,268.35 (b)	-862.86	-104.00	80.0	na	abandoned	2	59.5-76.5	57.5
5-48B	Stewart Brothers/DBS	08/05/92	7,292.64 (b)	-34.33	-271.94	63.7	59.68	flush mount	2	43.0-60.0	41.0
5-57B	Stewart Brothers/DBS	03/04/93	7,257.80	-1014.77	-109.30	76.2	na	abandoned	2	60.0-75.0	57.9
5-58B	Stewart Brothers/DBS	03/03/93	7,279.38	-682.60	-340.89	78.1	na	abandoned	2	61.2-76.2	58.9
5-59	Rodgers & Co.	07/27/01	7290.82 (d)	29.53	-2.43	56.0	55.23	stick up	4	41.0-56.0	38.0
5-60	Rodgers & Co.	07/27/01	7290.83 (d)	11.62	-30.66	56.0	57.41	stick up	4	41.0-56.0	38.0
SVE-1	Techna/DBS	03/29/96	7,296.88 (c)	37.08	-356.25	60.0	61.55	flush mount	2	35.0-60.0	33.3
SVE-2	Techna/DBS	03/29/96	7,297.68 (c)	42.46	-409.54	61.0	61.59	flush mount	2	35.0-60.0	33.6
SVE-3	Layne Christensen/CES	11/16/1997	7,293.68 (c)	-21.30	-271.04	65.0	65.54	flush mount	2	44.0 - 64.0	41.9
SVE-4	Layne Christensen/CES	11/16/1997	7,289.83 (c)	-123.39	-243.36	62.5	62.03	flush mount	2	42.0 - 62.0	40.0
AS-1	Techna/DBS	03/29/96	na	46.99	-327.63	60.5	na	flush mount	2	56.0-58.5	54.8
AS-2	Techna/DBS	03/27/96	na	45.70	-302.63	61.0	na	flush mount	2	57.5-60.0	56.5
AS-3	Techna/DBS	03/27/96	na	44.41	-277.63	59.5	na	flush mount	2	57.0-59.5	56.0
AS-4	Techna/DBS	03/27/96	na	43.11	-252.35	60.3	na	flush mount	2	57.8-60.3	55.6
AS-5	Techna/DBS	03/27/96	na	41.82	-227.35	58.0	na	flush mount	2	55.5-58.0	54.1
AS-6	Techna/DBS	03/29/96	7,295.62 (c)	23.02	-341.69	59.0	57.57	flush mount	2	56.5-59.0	55.0
AS-7	Techna/DBS	03/27/96	7,295.72 (c)	21.31	-316.55	60.0	59.29	flush mount	2	57.0-59.5	55.5
AS-8	Techna/DBS	03/27/96	7,294.45 (c)	20.25	-292.07	61.0	62.18	flush mount	2	58.5-61.0	57.2
AS-9	Techna/DBS	03/27/96	7,293.76 (c)	18.29	-266.75	59.8	59.31	flush mount	2	57.1-59.6	54.0
AS-10	Techna/DBS	03/27/96	7,293.90 (c)	16.75	-241.70	60.3	61.31	flush mount	2	57.8-60.3	56.4
AS-11	Techna/DBS	03/27/96	7,293.05 (c)	15.96	-217.21	60.0	60.69	flush mount	2	57.0-59.5	55.4
AS-12	Layne Christensen/CES	11/21/1997	7,295.22 (c)	-5.04	-332.45	64.5	65.93	flush mount	2	62.0 - 64.0	59.0
AS-13	Layne Christensen/CES	11/21/1997	7,294.58 (c)	-6.15	-306.17	68.0	68.37	flush mount	2	65.5 - 67.5	62.0
AS-14	Layne Christensen/CES	11/20/1997	7,293.98 (c)	-7.89	-280.13	64.5	64.46	flush mount	2	62.0 - 64.0	58.0
AS-15	Layne Christensen/CES	11/20/1997	7,293.40 (c)	-8.43	-259.05	64.0	62.82	flush mount	2	61.5 - 63.5	58.0
AS-16	Layne Christensen/CES	11/19/1997	7,293.27 (c)	-11.17	-237.02	65.0	64.96	flush mount	2	62.0 - 64.0	57.0

Table 7. Summary of Completion Details for Soil Borings Completed as Wells
Thoreau Compressor Station No. 5

Well	Source[a]	Date of Completion	Measuring Point Elevation (ft)	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)

NOTES:
na - Information not available
(a) Driller/Consultant
(b) Survey done by Bob Martinez 8/92
(c) Survey done by Cypress Engineering 1/98
(d) Survey done by Cypress Engineering 9/08

Table 8. Summary of SVE System Monitoring Results
Thoreau Compressor Station No. 5

SVE Well	Date	PID Reading	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppmv)	(ug/L)	(ppmv) [a]	(%)									
SVE-1	11/22/96	178.9	1,400	403	0.0	0.7	46.7	39.7	4.9	0.1	0.0	0.0	0.0	0.0
	08/21/97	10.4	47	14	0.1	0.2	0.6	4.2	14.8	30.6	23.9	16.6	8.9	0.1
	11/24/97	na	19	5	0.4	0.7	1.2	2.3	10.4	22.6	23.2	27.7	11.1	0.4
	01/07/98	na	130	37	0.0	0.1	0.3	0.8	12.2	30.2	32.2	17.7	6.5	0.0
SVE-3	11/24/97	na	900	259	0.0	3.5	9.2	16.9	25.4	27.9	11.1	5.1	0.9	0.0
	01/07/98	na	720	207	0.1	6.6	12.0	14.5	18.9	19.1	17.7	8.4	2.7	0.0
SVE-4	11/24/97	na	590	170	0.0	2.2	11.8	27.9	30.6	15.8	6.7	4.2	0.8	0.0
	01/07/98	na	710	204	0.1	3.1	9.7	16.5	26.9	19.8	15.5	6.4	2.0	0.0
5-02B	08/21/97	23.3	490	141	1.4	13.5	34.0	41.7	7.1	1.3	0.6	0.4	0.0	0.0
	11/24/97	na	10	3	0.0	5.0	13.1	14.6	15.5	15.2	21.8	11.1	3.7	0.0
	01/07/98	na	250	72	0.1	14.3	37.7	27.6	8.0	2.4	4.4	3.6	1.9	0.0
5-04B	11/22/96	122.3	210	60	0.0	2.0	8.2	35.3	43.0	9.8	1.2	0.3	0.2	0.0
	08/21/97	41.1	530	152	0.0	0.1	1.6	9.0	39.8	38.1	8.2	2.8	0.4	0.0
	11/24/97	na	290	83	0.0	1.9	3.4	8.8	35.2	32.7	11.3	4.9	1.8	0.0
	01/07/98	na	44	13	0.0	0.0	0.2	0.9	8.1	32.1	33.9	17.4	7.4	0.0
5-05B	08/21/97	8.4	44	13	0.1	0.2	0.6	4.2	14.2	31.4	23.9	16.5	8.8	0.1
	11/24/97	na	6.7	2	0.0	0.0	0.6	3.1	19.9	22.9	28.0	15.6	9.6	0.3
	01/07/98	na	69	20	0.0	0.1	0.2	0.4	6.1	21.1	34.9	25.5	11.7	0.0
5-34B	11/22/96	307.0	3,000	863	0.0	6.4	18.3	59.4	14.9	1.0	0.0	0.0	0.0	0.0
	08/21/97	186.0	7,700	2,215	0.2	1.4	6.5	26.6	23.8	26.7	11.3	3.0	0.5	0.0
	11/24/97	na	4,400	1,265	0.0	1.0	4.6	23.5	38.9	24.9	1.8	1.9	1.3	2.1
	01/07/98	na	7,100	2,042	0.1	2.0	5.7	21.5	38.6	22.0	8.3	1.7	0.1	0.0
5-35B	11/22/96	135.8	120	35	0.0	12.9	28.2	32.5	16.7	7.8	1.7	0.2	0.0	0.0
	11/24/97	na	1,600	460	0.0	0.1	1.0	7.1	16.6	28.6	31.6	12.8	2.2	0.0
	01/07/98	na	1,800	518	0.0	0.2	1.0	3.7	26.8	36.3	22.1	8.3	1.6	0.0
Total Flow	08/21/02	na	298	86	0.0	11.1	12.4	22.3	15.7	22.8	10.5	5.0	0.2	0.0
Total Flow	06/19/03	na	381	110	0.0	6.1	16.8	23.7	13.1	17.2	11.7	8.5	2.9	0.0
Total Flow	07/30/03	na	218	63	0.0	7.6	23.5	23.7	15.8	14.0	9.5	5.4	0.5	0.0
Total Flow	09/03/03	na	312	90	0.0	7.3	18.2	21.0	12.6	18.6	12.8	7.0	2.5	0.0
Total Flow	10/03/03	na	293	84	1.5	7.5	19.0	19.5	12.8	15.0	14.7	7.3	2.7	0.0
Total Flow	10/30/03	na	268	77	2.6	4.6	16.5	30.8	13.1	12.2	13.6	5.7	0.9	0.0
Total Flow	05/11/04	na	322	93	0.2	16.4	27.8	22.8	14.1	10.1	5.9	1.2	1.2	0.3
Total Flow	06/16/04	na	241	69	6.7	14.0	25.5	27.2	12.8	7.7	4.8	1.2	0.1	0.0
Total Flow	07/13/04	na	367	106	2.4	9.4	19.6	22.1	11.8	11.1	13.1	7.7	2.8	0.0
Total Flow	08/10/04	na	291	84	4.0	10.3	22.9	25.3	12.8	9.5	9.4	4.3	1.3	0.2
Total Flow	09/14/04	na	276	79	0.9	9.2	21.9	26.2	13.4	10.4	10.6	5.7	1.7	0.0
Total Flow	10/13/04	na	262	75	1.1	8.5	20.8	24.0	13.3	10.3	11.7	7.1	3.2	0.0
Total Flow	05/27/05	na	346	100	7.4	13.9	22.1	26.2	11.8	6.8	5.8	3.7	2.1	0.2
Total Flow	06/24/05	na	415	119	2.1	14.7	23.0	23.4	12.7	8.0	8.4	4.9	2.7	0.1
Total Flow	07/28/05	na	296	85	4.1	10.2	23.0	26.0	13.6	8.3	7.7	5.0	2.1	0.0
Total Flow	09/07/05	na	302	87	3.5	9.3	21.2	29.3	14.2	8.0	6.9	5.4	2.2	0.0
Total Flow	10/07/05	na	241	69	3.9	10.0	22.3	31.6	14.6	8.7	5.7	2.8	0.4	0.0
Total Flow	05/31/06	na	218	63	10.4	13.2	24.5	26.7	12.4	6.1	5.5	1.2	0.0	0.0
Total Flow	06/28/06	na	139	40	8.5	12.2	23.3	27.9	12.8	5.1	6.4	1.6	1.8	0.4
Total Flow	07/26/06	na	162	47	7.6	12.9	24.8	27.3	14.2	6.5	5.0	1.4	0.3	0.0
Total Flow	08/23/06	na	177	51	6.7	11.7	24.5	27.4	14.5	8.5	4.5	1.8	0.4	0.0

Table 8. Summary of SVE System Monitoring Results
Thoreau Compressor Station No. 5

SVE Well	Date	PID Reading	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppmv)	(ug/L)	(ppmv) [a]	(%)									
Total Flow	09/25/06	na	152	44	6.8	12.2	25.8	28.4	14.9	6.1	4.3	1.3	0.2	0.0
Total Flow	05/25/07	na	104	30	3.0	10.2	17.6	32.9	14.4	10.1	7.1	3.8	0.9	0.0
Total Flow	07/13/07	na	190	55	--	6.1	50.5	24.3	8.2	9.9	0.6	0.4	0.0	0.0
Total Flow	08/24/07	na	158	45	2.3	14.5	25.4	36.6	9.3	5.1	6.0	0.8	0.0	0.0
Total Flow	09/21/07	na	148	43	2.3	9.9	31.7	33.5	12.0	5.6	3.5	1.3	0.2	0.0
Total Flow	10/25/07	na	140	40	5.3	6.0	20.5	33.1	20.4	8.1	4.8	1.6	0.2	0.0
Total Flow	06/09/08	na	133	38	3.3	12.9	23.0	31.7	16.8	6.5	4.3	1.2	0.3	0.0
Total Flow	07/11/08	na	108	31	6.4	12.2	23.3	31.8	15.7	5.9	3.5	1.1	0.1	0.0
Total Flow	08/04/08	na	104	30	3.1	12.3	23.9	32.2	16.3	6.5	4.6	0.8	0.3	0.0
Total Flow	09/05/08	na	161	46	--	9.7	24.1	34.2	16.3	10.6	3.1	1.7	0.3	0.0
Total Flow	10/03/08	na	121	35	5.9	11.3	25.7	33.5	14.2	4.2	4.9	0.2	0.1	0.0
Total Flow	10/22/08	na	121	35	5.2	10.5	24.9	33.4	12.2	8.8	4.5	0.5	0.0	0.0

All air samples analyzed by Hall Laboratory of Albuquerque, NM

PID = Photoionization detector

[a] Conversion Factor:

P = 0.76 atm, MW = 110 g/mole, R = 0.08205 L*atm/(K*mole), T = 293K

C ppmv = C ug/L * ((R * T)/(MW*P))

C ppmv = C ug/L * 0.2876

O & M REPORTS

June 9, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for May 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

Daniel B. Stephens & Associates, Inc. reactivated the soil vapor extraction (SVE) system at the above-referenced site on May 9, 2008. A summary of maintenance activities for the month of May are outlined in the attached table.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy NE, Suite 100 505-822-9400
Albuquerque, NM 87109 FAX 505-822-8877

Operation and Maintenance Activities for May 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
5/9/2008	Justin Jayne Celestine Ngam	▪ Measured fluid levels in 5-2C, 5-34B, SVE-3 ▪ Set Soakease absorbent sock in 5-2C, 5-34B, SVE-3 ▪ Power up SVE system ▪ Checked SVE filter ▪ Checked gauges and recorded measurements at 11:52 ▪ Checked moisture in knockout pot; appears to be empty ▪ Green tank is empty ▪ Secured all connections ▪ Verified vacuum on all extraction wells	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	70.3	35	35	5-2C: 56.16 5-34B: 62.31 SVE-3: 60.70	5-2C: 57.07 5-34B: 62.45 SVE-3: 60.75
5/16/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 9:05 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	57.4	36	36	Not Measured	Not Measured

Operation and Maintenance Activities for May 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
5/23/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 10:20 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	53.4	36	36	Not Measured	Not Measured
5/30/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Shut down system to check air filter: filter OK ▪ Checked gauges at 10:45 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	74.8	36	36	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing, GAC = granulated activated carbon, PSH = phase-separated hydrocarbons

July 7, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for June 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

A summary of maintenance activities for the month of June are outlined in the attached table.

On June 9, 2008, we collected an exhaust sample from the system and submitted it to Hall Environmental Analysis Laboratory (HEAL) for total petroleum hydrocarbon analysis. HEAL will continue to send the analytical report directly to you.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy Rd., NE, Suite 100 505-822-9400
Albuquerque, NM 87109-3315 FAX 505-822-8877

Operation and Maintenance Activities for June 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
6/9/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 8:10 and recorded all measurements ▪ Collected air exhaust sample ▪ Measured fluid levels and replaced absorbent socks in 5-2C, 5-34B and SVE-3 ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	64.9	36	36	5-2C: 56.72 5-34B: ND SVE-3: ND	5-2C: 56.75 5-34B: 62.23 SVE-3: 60.23
6/13/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Shut down system to check air filter: filter OK ▪ Checked gauges at 10:55 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	81.0	36	36	Not Measured	Not Measured

Operation and Maintenance Activities for June 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp. (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
6/20/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Shut down system to check air filter: filter OK ▪ Checked gauges at 11:10 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	87.1	36	38	Not Measured	Not Measured
6/26/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Shut down system to check air filter: filter OK ▪ Checked gauges at 10:00 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	77.4	36	38	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing
ND = not detected

August 1, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for July 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

A summary of maintenance activities for the month of July are outlined in the attached table.

On July 11, 2008, we collected an exhaust sample from the system and submitted it to Hall Environmental Analysis Laboratory (HEAL) for total petroleum hydrocarbon analysis. HEAL will continue to send the analytical report directly to you.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy Rd., NE, Suite 100 505-822-9400
Albuquerque, NM 87109-3315 FAX 505-822-8877

Operation and Maintenance Activities for July 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
7/7/2008	Justin Jayne	▪ All manifold valves full open ▪ Checked gauges at 11:35 and recorded all measurements ▪ 5-2B offline; repair but postpone further activities until next visit ▪ Verified vacuum on all extraction wells and integrity of connections ▪ No fluid detected in knockout pot	5-5B 5-34B 5-36E SVE-3 SVE-4	87.3	32	32	Not Measured	Not Measured
7/11/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 11:22 and recorded all measurements ▪ Collected air exhaust sample ▪ Measured fluid levels and replaced absorbent socks in 5-2C, 5-34B and SVE-3 ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	83.5	36	36.5	5-2C: ND 5-34B: 61.95 SVE-3: ND	5-2C: 56.41 5-34B: 62.10 SVE-3: 59.99

Operation and Maintenance Activities for July 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
7/18/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 9:50 and recorded all measurements ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	88.7	36	38	Not Measured	Not Measured
7/28/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 12:28 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	86.4	36	38	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing
ND = not detected

September 4, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for August 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

A summary of maintenance activities for the month of August are outlined in the attached table.

On August 4, 2008, we collected an exhaust sample from the system and submitted it to Hall Environmental Analysis Laboratory (HEAL) for total petroleum hydrocarbon analysis. HEAL will continue to send the analytical report directly to you.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy Rd., NE, Suite 100 505-822-9400
Albuquerque, NM 87109-3315 FAX 505-822-8877

Operation and Maintenance Activities for August 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
8/4/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 11:00 and recorded all measurements ▪ Collected air exhaust sample ▪ Measured fluid levels and replaced absorbent socks in 5-2C, 5-34B and SVE-3 ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	91.6	36	38	5-2C: ND 5-34B: 61.77 SVE-3: ND	5-2C: 56.42 5-34B: 61.90 SVE-3: 60.03
8/15/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 10:43 and recorded all measurements ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	86.0	36	38	Not Measured	Not Measured

Operation and Maintenance Activities for August 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
8/25/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 12:10 and recorded all measurements ▪ Shut down system and replace air filter ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	93.9	36	38	Not Measured	Not Measured
8/29/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 10:50 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	80.8	34	38	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing
ND = not detected

October 1, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for September 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

A summary of maintenance activities for the month of August are outlined in the attached table.

On September 5, 2008, we collected an exhaust sample from the system and submitted it to Hall Environmental Analysis Laboratory (HEAL) for total petroleum hydrocarbon analysis. HEAL will continue to send the analytical report directly to you.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy Rd., NE, Suite 100 505-822-9400
Albuquerque, NM 87109-3315 FAX 505-822-8877

Operation and Maintenance Activities for September 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
9/5/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 10:56 and recorded all measurements ▪ Collected air exhaust sample ▪ Measured fluid levels and replaced absorbent socks in 5-2C, 5-34B and SVE-3 ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	84.2	34	38	5-2C: ND 5-34B: 61.42 SVE-3: ND	5-2C: 56.60 5-34B: 61.51 SVE-3: 60.07
9/12/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 11:30 and recorded all measurements ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	80.4	34	38	Not Measured	Not Measured

Operation and Maintenance Activities for September 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
9/19/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 11:30 and recorded all measurements ▪ No fluid detected in knockout pot ▪ Shut down system at end of visit in anticipation of upcoming sample event	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	85.6	34.5	38	Not Measured	Not Measured
9/26/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 11:00 and recorded all measurements ▪ Shut down system to check air filter: filter OK ▪ No fluid detected in knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	81.3	36	37	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing
ND = not detected

October 31, 2008

George C. Robinson, P.E.
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste 102
Houston, TX 77095-2422

Re: Summary of Remediation System Operation and Maintenance for October 2008
Thoreau Compressor Station No. 5, McKinley County, New Mexico

Dear Mr. Robinson:

A summary of maintenance activities for the month are outlined in the attached table. October was the final month of operation of the Remediation System for 2008. We shut down the system on October 22, as daily low temperatures dropped below freezing. We anticipate that the system can be restarted in May, 2009.

Please feel free to contact me or Bob Marley at (505) 822-9400 with any questions that you may have on the submitted materials.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Justin Jayne
Staff Scientist

Daniel B. Stephens & Associates, Inc.
6020 Academy Rd., NE, Suite 100 505-822-9400
Albuquerque, NM 87109-3315 FAX 505-822-8877

Operation and Maintenance Activities for October 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
10/3/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 9:37 and recorded all measurements ▪ Collected air exhaust sample ▪ Measured fluid levels and replaced absorbent socks in 5-2C, 5-34B and SVE-3 ▪ No fluid detected in knockout pot ▪ Coordinated with Transwestern Pipeline staff to dispose of used absorbent socks	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	68.9	35	38	5-2C: ND 5-34B: 61.28 SVE-3: ND	5-2C: 56.56 5-34B: 61.29 SVE-3: 59.83
10/10/2008	Bob Marley	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 12:00 and recorded all measurements ▪ Removed 17 gallons from knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	73.6	36	38	Not Measured	Not Measured

Operation and Maintenance Activities for October 2008
Thoreau Compressor Station #5, McKinley County, NM

Date of Visit	DBS&A Employee	Task Description	Wells Online	Temp. (°F)	Pressure In (in H_2O)	Pressure Out (in H_2O)	Depth to PSH (ft btoc)	Depth to Water (ft btoc)
10/17/2008	Celestine Ngam	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 12:07 and recorded all measurements ▪ Removed 16.5 gallons from knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	81.3	36	38	Not Measured	Not Measured
10/22/2008	Justin Jayne	▪ Verified vacuum on all extraction wells and integrity of connections ▪ All manifold valves full open ▪ Checked gauges at 13:03[pp and recorded all measurements ▪ Collected air exhaust sample ▪ Shut down system for winter ▪ Removed 8 gallons from knockout pot	5-2B 5-5B 5-34B 5-36E SVE-3 SVE-4	56.5	36	37	Not Measured	Not Measured

Notes: ft btoc = feet below top of casing
ND = not detected

LAB REPORTS