

**GW - 109**

**ANNUAL  
MONITORING  
REPORT**

**2/6/2009**



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RECEIVED

February 6, 2009

2009 FEB 23 AM 9 25

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 - WT-1 Station Dehy Area  
Lea County, New Mexico  
Case # GW-109

Dear Glenn,

The enclosed Report of Groundwater Remediation Activities is submitted for your review and files.

If you have any questions or comments regarding this report, please contact me at (281) 797-3421 or Larry Campbell at (505) 625-8022.

Sincerely,

George C. Robinson, PE  
President/Principal Engineer

xc w/attachment: Mike Crump  
Larry Campbell  
Larry Johnson

Transwestern Pipeline Company  
Transwestern Pipeline Company  
NMOCD Hobbs District Office

# **Report of Groundwater Remediation Activities**

**Transwestern Pipeline Company  
WT-1 Compressor Station Dehy Area  
Lea County, New Mexico**

**CASE # GW-109**

**Submitted to:  
New Mexico Oil Conservation Division**

**February 6, 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 77095-2422**

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## **1. Groundwater Monitoring Activities**

### **1.1 Semi-Annual Groundwater Sampling Events**

Two semi-annual groundwater-sampling events have been completed since the last report of remediation activities. These events were completed on May 30, 2008 and December 10, 2008.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase-separated hydrocarbons (PSH) were present, was determined for each monitoring well. The measured depth to water and the corresponding water table elevation for each monitoring well is presented in Table 1. Similar measurements obtained from the SVE wells are presented in Table 2.

Groundwater samples were collected from selected monitoring wells at the site. Samples were not collected from wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B. A summary of the laboratory results and field-measured parameters is presented in Table 3. A copy of the laboratory results for each of the sampling events is included as an appendix to this report.

### **1.2 Results/Conclusions from Groundwater Sampling Events**

#### ***1.2.1 Occurrence and Direction of Groundwater Flow***

A water table elevation map based on measurements obtained in the course of the December 10, 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.

#### ***1.2.2 Lateral Extent of Phase Separated Hydrocarbon***

The lateral extent of PSH is presently defined by the occurrence of PSH at the water table in monitor well MW-10 and wells SVE-11, SVE-12, and SVE-14. Based on the information currently available, the volume and lateral extent of PSH in the area appears to be relatively limited. A figure indicating the estimated area with PSH present at the water table is included as Figure 4.

#### ***1.2.3 Condition of Affected Groundwater***

The condition of affected groundwater has not changed significantly from previous sampling events as evidenced by the information presented in Table 3 and Figure 5. The three monitor wells downgradient of the release area continue to yield groundwater samples that are non-detect for BTEX constituents. Monitor well MW-9, located about 200 feet upgradient of the release area, also yielded samples that are non-detect for BTEX constituents.

## **2. Status of Remediation Activities**

### **2.1 Remediation Activities Completed through December 2008**

The following remediation activities were completed since the last report of remediation activities:

- 1) Two groundwater-sampling events were completed.
- 2) Operation of the SVE system is limited to the warmer weather months. Condensed water collecting in the SVE conveyance lines during cold weather made the system ineffective, therefore, the system was shut-down during the winter months. The SVE system is scheduled to restart in April 2009.

## **2.2 Remediation Activities Planned for January 2009 through December 2009**

The SVE system is scheduled to operate from April 2009 through October 2009.

## **3. Proposed Modifications**

### **3.1 Modifications to the Routine Groundwater Sampling Plan**

Groundwater monitoring at the site has been ongoing for about 14 years (since November 1994). An extensive volume of monitoring data has been generated during this timeframe. Groundwater monitoring has demonstrated that the distribution of benzene in groundwater has remained relatively unchanged over the last eight years or more. In light of this, the routine groundwater sampling plan is being revised from semiannual to annual sampling events. The revised sample analysis plan is summarized in Table 6.

### **3.2 Reporting Frequency**

Annual reporting will continue with the next scheduled report being submitted to the OCD by February 28, 2010.

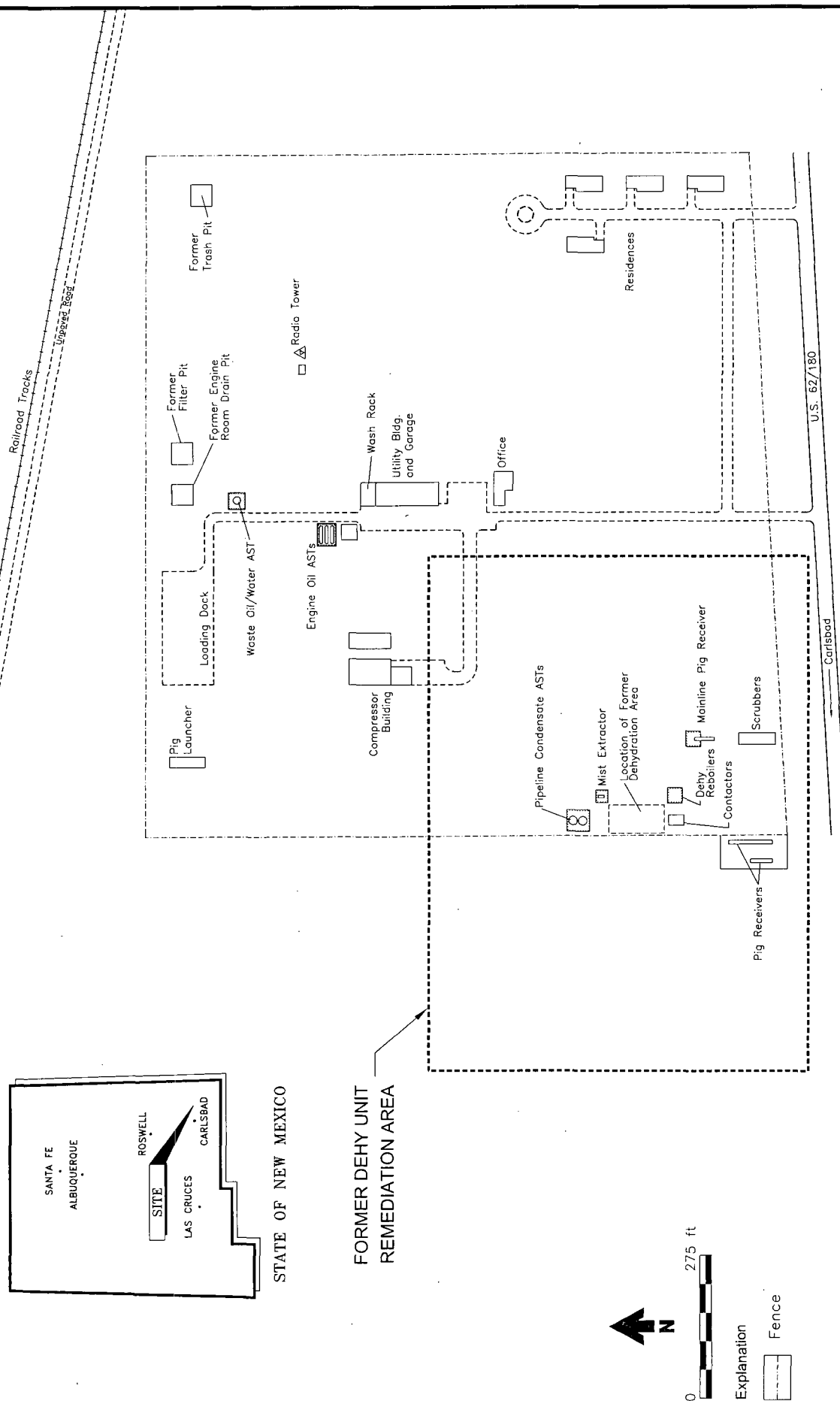


FIGURE 1

CYPRESS ENGINEERING SERVICES, INC. **WT-1 COMPRESSOR STATION** TRANSWESTERN PIPELINE COMPANY

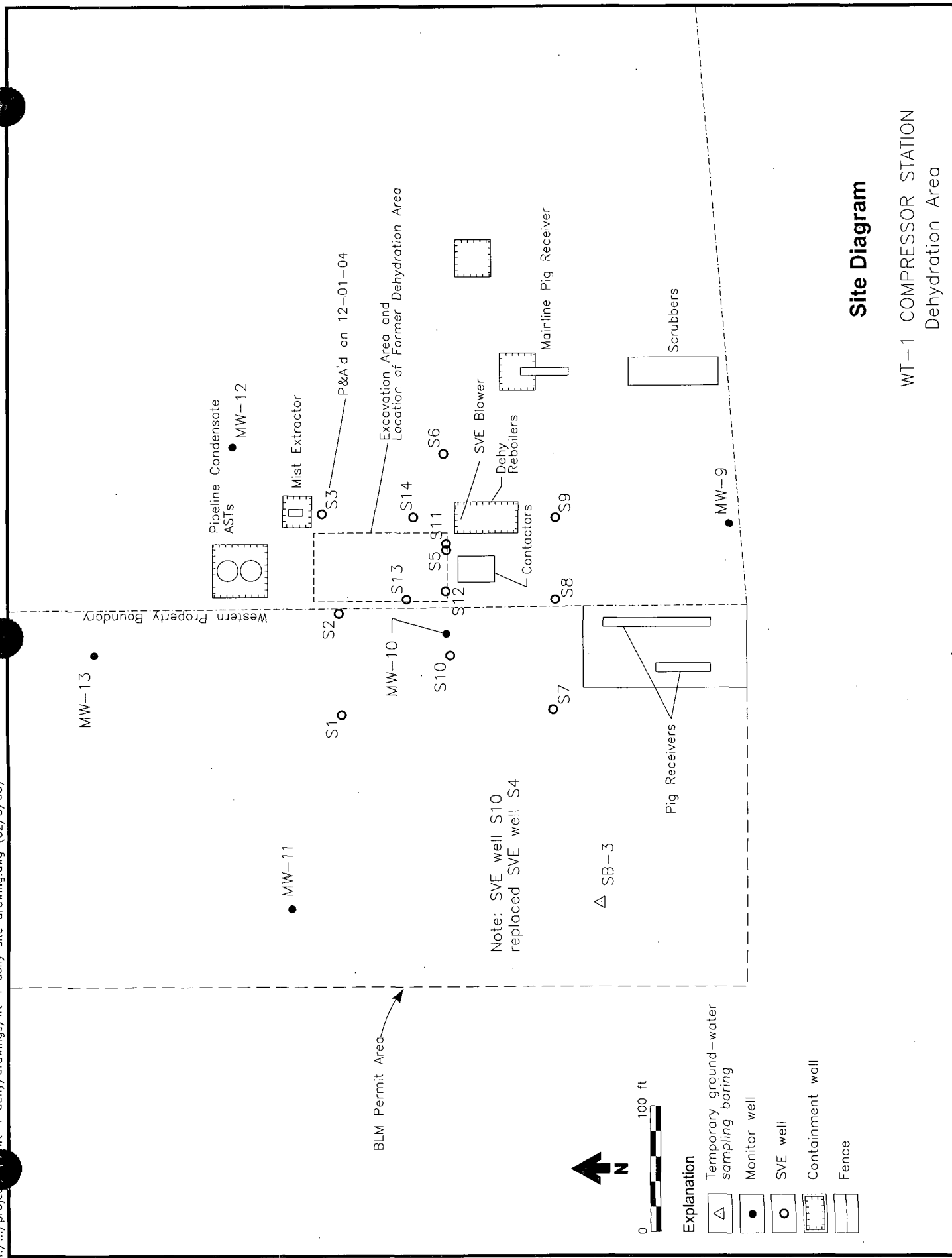


Figure 2

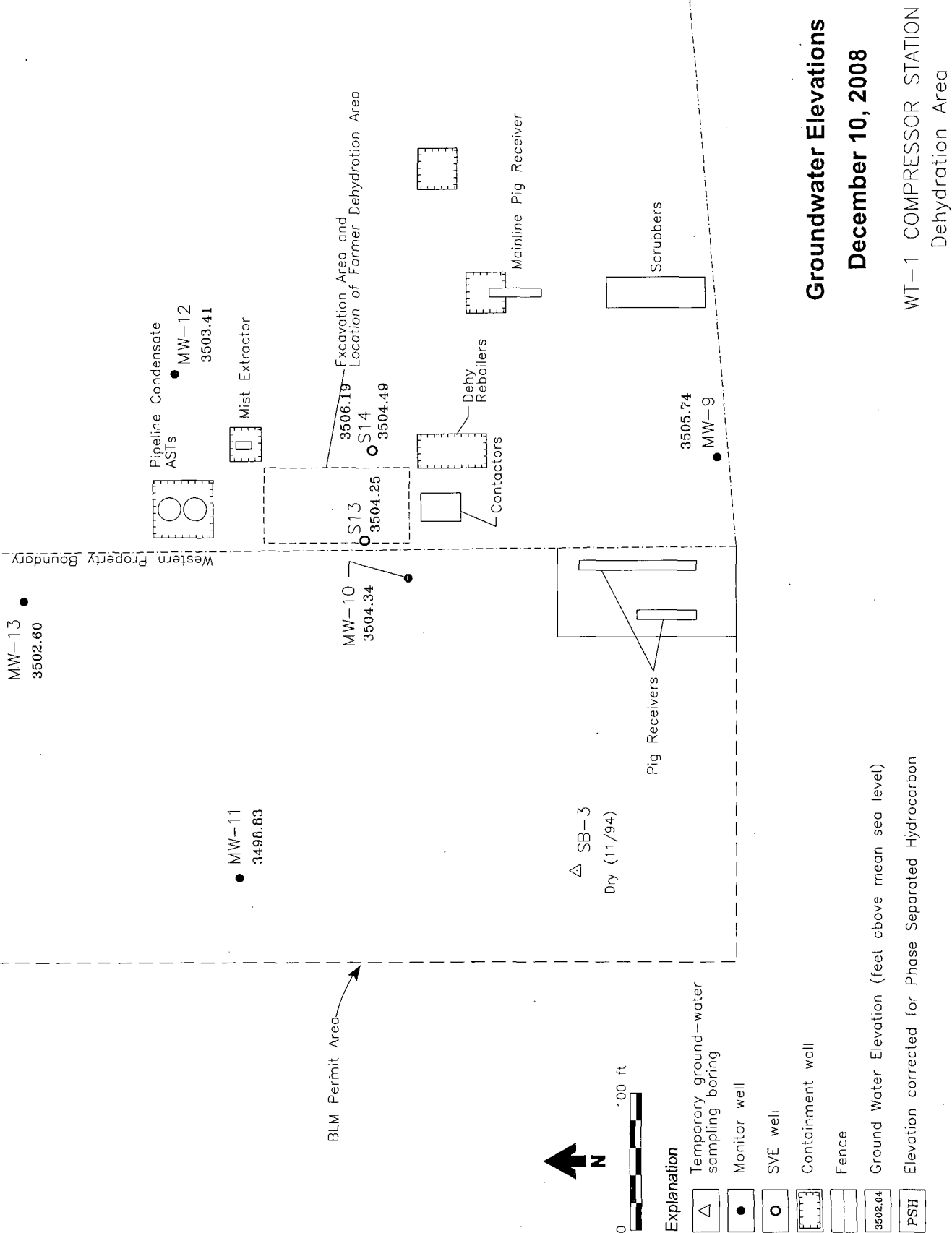
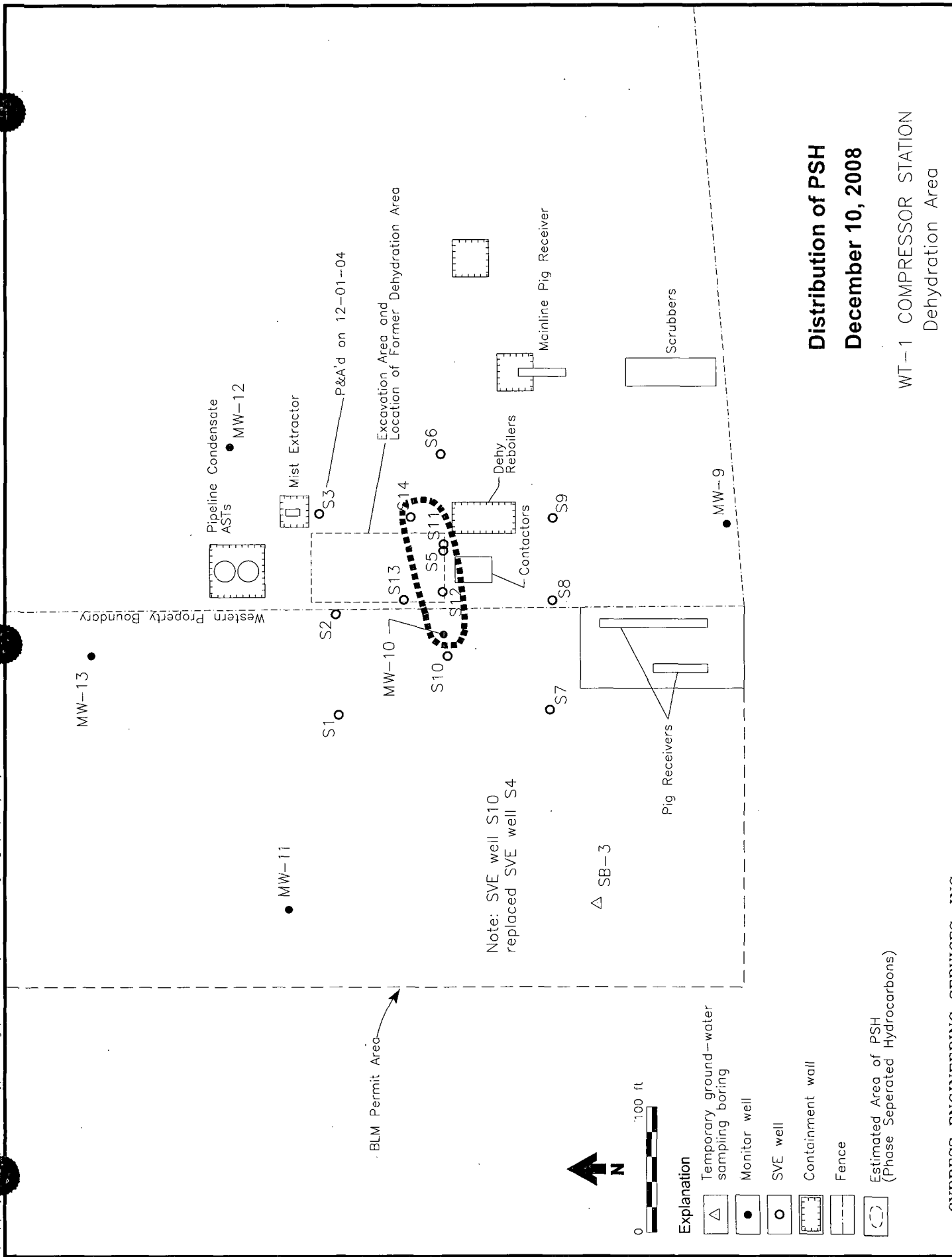


Figure 3

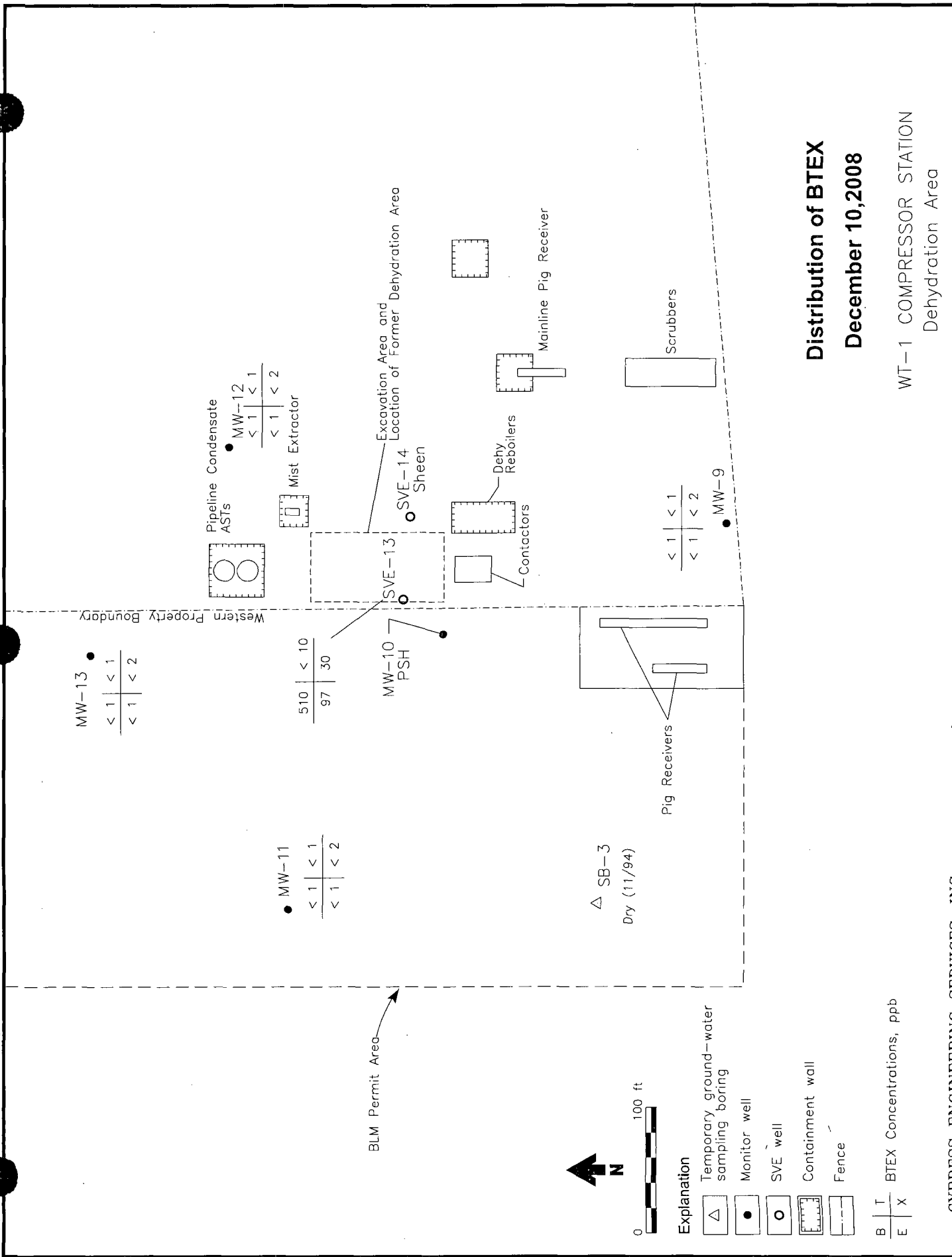


# **Distribution of PSH**

**December 10, 2008**

WT-1 COMPRESSOR STATION  
Dehydration Area

Figure 4



# **Distribution of BTEX** **December 10, 2008**

WT-1 COMPRESSOR STATION  
 Dehydration Area

Figure 5

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| MW-9 | 11/21/94      | 3557.31 (b)        | (a)               | 55.14               | (a)      | 3502.17                |
|      | 11/21/95      |                    | (a)               | 55.67               | (a)      | 3501.64                |
|      | 02/22/96      |                    | (a)               | 55.27               | (a)      | 3502.04                |
|      | 05/14/96      |                    | (a)               | 55.18               | (a)      | 3502.13                |
|      | 08/12/96      |                    | (a)               | 55.53               | (a)      | 3501.78                |
|      | 11/12/96      |                    | (a)               | 55.25               | (a)      | 3502.06                |
|      | 02/05/97      |                    | (a)               | 55.20               | (a)      | 3502.11                |
|      | 08/05/97      |                    | (a)               | 55.25               | (a)      | 3502.06                |
|      | 12/29/97      |                    | (a)               | 55.19               | (a)      | 3502.12                |
|      | 02/23/98*     |                    | (a)               | 54.71               | (a)      | 3502.60                |
|      | 08/05/98*     |                    | (a)               | 54.72               | (a)      | 3502.59                |
|      | 08/27/98      |                    | (a)               | 54.64               | (a)      | 3502.67                |
|      | 02/11/99*     |                    | (a)               | 55.63               | (a)      | 3501.68                |
|      | 08/11/99*     |                    | (a)               | 55.15               | (a)      | 3502.16                |
|      | 02/13/00*     |                    | (a)               | 54.66               | (a)      | 3502.65                |
|      | 08/21/00*     |                    | (a)               | 54.82               | (a)      | 3502.49                |
|      | 02/17/01*     |                    | (a)               | 54.95               | (a)      | 3502.36                |
|      | 08/15/01      |                    | (a)               | 54.42               | (a)      | 3502.89                |
|      | 02/27/02*     |                    | (a)               | 54.40               | (a)      | 3502.91                |
|      | 07/31/02*     |                    | (a)               | 54.32               | (a)      | 3502.99                |
|      | 02/13/03*     |                    | (a)               | 54.47               | (a)      | 3502.84                |
|      | 08/04/03*     |                    | (a)               | 54.32               | (a)      | 3502.99                |
|      | 05/24/04*     |                    | (a)               | 54.52               | (a)      | 3502.79                |
|      | 11/09/04*     |                    | (a)               | 54.53               | (a)      | 3502.78                |
|      | 04/11/05*     |                    | (a)               | 53.80               | (a)      | 3503.51                |
|      | 12/01/05*     |                    | (a)               | 53.03               | (a)      | 3504.28                |
|      | 05/10/06*     |                    | (a)               | 52.64               | (a)      | 3504.67                |
|      | 12/14/06*     |                    | (a)               | 52.08               | (a)      | 3505.23                |
|      | 06/20/07*     |                    | (a)               | 51.84               | (a)      | 3505.47                |
|      | 12/07/07*     |                    | (a)               | 51.57               | (a)      | 3505.74                |
|      | 05/30/08*     |                    | (a)               | 51.79               | (a)      | 3505.52                |
|      | 12/10/08*     |                    | (a)               | 52.32               | (a)      | 3504.99                |

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| MW-10 | 11/18/94      | 3553.45 (b)        | (a)               | 52.63               | (a)      | 3500.82                |
|       | 11/21/95      |                    | 52.31             | 54.21               | 1.90     | 3500.76                |
|       | 02/22/96      |                    | 52.08             | 53.75               | 1.67     | 3501.04                |
|       | 05/14/96      |                    | 51.93             | 53.58               | 1.65     | 3501.19                |
|       | 08/12/96      |                    | 52.25             | 53.40               | 1.15     | 3500.97                |
|       | 11/12/96      |                    | 52.48             | 52.82               | 0.34     | 3500.90                |
|       | 02/05/97      |                    | 52.57             | 52.98               | 0.41     | 3500.80                |
|       | 08/05/97      |                    | 52.38             | 53.08               | 0.70     | 3500.93                |
|       | 08/07/97      |                    | 52.39             | 52.72               | 0.33     | 3500.99                |
|       | 08/29/97      |                    | 52.15             | 52.57               | 0.42     | 3501.22                |
|       | 12/29/97      |                    | 53.51             | 53.62               | 0.11     | 3499.92                |
|       | 02/23/98*     |                    | (a)               | 53.42               | (a)      | 3500.03                |
|       | 08/27/98      |                    | (a)               | 51.65               | (a)      | 3501.80                |
|       | 02/11/99*     |                    | (a)               | 52.50               | (a)      | 3500.95                |
|       | 06/15/99      |                    | 54.05             | 54.24               | 0.19     | 3499.36                |
|       | 07/13/99      |                    | 54.15             | 54.25               | 0.10     | 3499.28                |
|       | 07/22/99      |                    | 53.58             | 54.00               | 0.42     | 3499.79                |
|       | 08/11/99*     | 3554.31 (c)        | 53.57             | 53.62               | 0.05     | 3500.73                |
|       | 09/02/99      |                    | (a)               | 53.54               | (a)      | 3499.91                |
|       | 09/14/99      |                    | (a)               | 53.60               | (a)      | 3499.85                |
|       | 09/28/99      |                    | (a)               | 53.85               | (a)      | 3499.60                |
|       | 10/07/99      |                    | (a)               | 53.71               | (a)      | 3499.74                |
|       | 10/26/99      |                    | (a)               | 53.63               | (a)      | 3499.82                |
|       | 11/11/99      |                    | (a)               | 53.28               | (a)      | 3500.17                |
|       | 11/30/99      |                    | (a)               | 52.76               | (a)      | 3500.69                |
|       | 12/14/99      |                    | (a)               | 53.08               | (a)      | 3500.37                |
|       | 12/30/99      |                    | (a)               | 52.65               | (a)      | 3500.80                |
|       | 01/13/00      |                    | (a)               | 53.10               | (a)      | 3500.35                |
|       | 02/03/00      |                    | (a)               | 53.39               | (a)      | 3500.06                |
|       | 02/13/00*     |                    | (a)               | 52.81               | (a)      | 3500.64                |
|       | 03/06/00      |                    | (a)               | 53.18               | (a)      | 3500.27                |
|       | 04/20/00      |                    | (a)               | 55.19               | (a)      | 3498.26                |
|       | 05/11/00      |                    | (a)               | 54.14               | (a)      | 3499.31                |
|       | 05/25/00      |                    | 53.66             | 53.98               | 0.32     | 3500.59                |
|       | 06/08/00      |                    | (a)               | 58.24               | (a)      | 3495.21                |
|       | 06/22/00      |                    | (a)               | 54.35               | (a)      | 3499.10                |
|       | 07/13/00      |                    | (a)               | 53.82               | (a)      | 3499.63                |
|       | 07/27/00      |                    | (a)               | 53.48               | (a)      | 3499.97                |
|       | 08/03/00      |                    | (a)               | 53.10               | (a)      | 3500.35                |
|       | 08/21/00*     |                    | 52.95             | 53.15               | 0.20     | 3501.32                |
|       | 09/19/00      |                    | 52.98             | 53.30               | 0.32     | 3501.27                |
|       | 09/28/00      |                    | (a)               | 52.94               | (a)      | 3500.51                |
|       | 11/03/00      |                    | 52.68             | 52.97               | 0.29     | 3501.57                |
|       | 11/16/00      |                    | (a)               | 52.69               | (a)      | 3500.76                |
|       | 12/06/00      |                    | 52.80             | 53.11               | 0.31     | 3501.45                |

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
|      | 01/25/01      |                    | 52.51             | 52.96               | 0.45     | 3501.71                |
|      | 02/17/01*     |                    | 52.76             | 53.11               | 0.35     | 3501.48                |
|      | 02/23/01      |                    | 52.30             | 52.76               | 0.46     | 3501.92                |
|      | 03/30/01      |                    | 52.48             | 52.49               | 0.01     | 3501.83                |
|      | 08/15/01      |                    | (a)               | 52.37               | (a)      | 3501.08                |
|      | 02/27/02*     |                    | 52.22             | 52.32               | 0.10     | 3502.07                |
|      | 07/31/02*     |                    | 52.03             | 52.37               | 0.34     | 3502.21                |
|      | 02/13/03*     |                    | 52.09             | 52.41               | 0.32     | 3502.16                |
|      | 08/04/03*     |                    | 51.87             | 52.32               | 0.45     | 3502.35                |
|      | 05/24/04*     |                    | 51.87             | 52.52               | 0.65     | 3502.31                |
|      | 11/09/04*     |                    | (a)               | 52.02               | sheen    | 3501.43                |
|      | 04/11/05*     |                    | 51.66             | 52.22               | 0.56     | 3502.54                |
|      | 12/01/05*     |                    | 50.97             | 51.58               | 0.61     | 3503.22                |
|      | 05/10/06*     |                    | 50.33             | 51.04               | 0.71     | 3503.84                |
|      | 12/14/06*     |                    | 49.87             | 50.77               | 0.90     | 3504.26                |
|      | 06/20/07*     |                    | 49.47             | 50.54               | 1.07     | 3504.63                |
|      | 12/07/07*     |                    | 49.19             | 50.36               | 1.17     | 3504.89                |
|      | 05/30/08*     |                    | 49.31             | 50.52               | 1.21     | 3504.76                |
|      | 12/10/08*     |                    | 49.74             | 50.89               | 1.15     | 3504.34                |

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| MW-11 | 11/21/94      | 3547.84 (b)        | (a)               | DRY                 | (a)      | DRY                    |
|       | 11/21/95      |                    | (a)               | 58.10               | (a)      | 3489.74                |
|       | 02/22/96      |                    | (a)               | 56.70               | (a)      | 3491.14                |
|       | 05/14/96      |                    | (a)               | 57.33               | (a)      | 3490.51                |
|       | 08/12/96      |                    | (a)               | 56.96               | (a)      | 3490.88                |
|       | 11/12/96      |                    | (a)               | 56.66               | (a)      | 3491.18                |
|       | 02/05/97      |                    | (a)               | 57.09               | (a)      | 3490.75                |
|       | 08/05/97      |                    | (a)               | 54.93               | (a)      | 3492.91                |
|       | 12/29/97      |                    | (a)               | 54.53               | (a)      | 3493.31                |
|       | 02/23/98*     |                    | (a)               | 53.97               | (a)      | 3493.87                |
|       | 08/05/98*     |                    | (a)               | 54.37               | (a)      | 3493.47                |
|       | 08/27/98      |                    | (a)               | 57.48               | (a)      | 3490.36                |
|       | 02/11/99*     |                    | (a)               | 53.11               | (a)      | 3494.73                |
|       | 08/11/99*     |                    | (a)               | 52.67               | (a)      | 3495.17                |
|       | 02/13/00*     |                    | (a)               | 52.20               | (a)      | 3495.64                |
|       | 08/21/00*     |                    | (a)               | 52.34               | (a)      | 3495.50                |
|       | 02/17/01*     |                    | (a)               | 52.38               | (a)      | 3495.46                |
|       | 08/15/01      |                    | (a)               | 52.06               | (a)      | 3495.78                |
|       | 02/27/02*     |                    | (a)               | 52.01               | (a)      | 3495.83                |
|       | 07/31/02*     |                    | (a)               | 51.79               | (a)      | 3496.05                |
|       | 02/13/03*     |                    | (a)               | 51.65               | (a)      | 3496.19                |
|       | 08/04/03*     |                    | (a)               | 51.54               | (a)      | 3496.30                |
|       | 05/24/04*     |                    | (a)               | 51.39               | (a)      | 3496.45                |
|       | 11/09/04*     |                    | (a)               | 51.50               | (a)      | 3496.34                |
|       | 04/11/05*     |                    | (a)               | 51.18               | (a)      | 3496.66                |
|       | 12/01/05*     |                    | (a)               | 51.10               | (a)      | 3496.74                |
|       | 05/10/06*     |                    | (a)               | 50.75               | (a)      | 3497.09                |
|       | 12/14/06*     |                    | (a)               | 50.31               | (a)      | 3497.53                |
|       | 06/20/07*     |                    | (a)               | 50.03               | (a)      | 3497.81                |
|       | 12/07/07*     |                    | (a)               | 49.32               | (a)      | 3498.52                |
|       | 05/30/08*     |                    | (a)               | 49.15               | (a)      | 3498.69                |
|       | 12/10/08*     |                    | (a)               | 49.01               | (a)      | 3498.83                |

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| MW-12 | 11/17/94      | 3551.19 (b)        | (a)               | 49.31               | (a)      | 3501.88                |
|       | 11/21/95      |                    | (a)               | 50.49               | (a)      | 3500.70                |
|       | 02/22/96      |                    | (a)               | 50.13               | (a)      | 3501.06                |
|       | 05/14/96      |                    | (a)               | 49.96               | (a)      | 3501.23                |
|       | 08/12/96      |                    | (a)               | 50.31               | (a)      | 3500.88                |
|       | 11/12/96      |                    | (a)               | 50.41               | (a)      | 3500.78                |
|       | 02/05/97      |                    | (a)               | 50.53               | (a)      | 3500.66                |
|       | 08/05/97      |                    | (a)               | 50.39               | (a)      | 3500.80                |
|       | 12/29/97      |                    | (a)               | 50.35               | (a)      | 3500.84                |
|       | 02/23/98*     |                    | (a)               | 50.26               | (a)      | 3500.93                |
|       | 08/05/98*     |                    | (a)               | 50.22               | (a)      | 3500.97                |
|       | 08/27/98      |                    | (a)               | 49.94               | (a)      | 3501.25                |
|       | 02/11/99*     |                    | (a)               | 49.87               | (a)      | 3501.32                |
|       | 08/11/99*     |                    | (a)               | 50.29               | (a)      | 3500.90                |
|       | 02/13/00*     |                    | (a)               | 49.62               | (a)      | 3501.57                |
|       | 08/21/00*     |                    | (a)               | 50.28               | (a)      | 3500.91                |
|       | 02/17/01*     |                    | (a)               | 50.06               | (a)      | 3501.13                |
|       | 08/15/01      |                    | (a)               | 49.61               | (a)      | 3501.58                |
|       | 02/27/02*     |                    | (a)               | 49.45               | (a)      | 3501.74                |
|       | 07/31/02*     |                    | (a)               | 49.43               | (a)      | 3501.76                |
|       | 02/13/03*     |                    | (a)               | 49.41               | (a)      | 3501.78                |
|       | 08/04/03*     |                    | (a)               | 49.36               | (a)      | 3501.83                |
|       | 05/24/04*     |                    | (a)               | 49.45               | (a)      | 3501.74                |
|       | 11/09/04*     |                    | (a)               | 49.57               | (a)      | 3501.62                |
|       | 04/11/05*     |                    | (a)               | 49.37               | (a)      | 3501.82                |
|       | 12/01/05*     |                    | (a)               | 49.05               | (a)      | 3502.14                |
|       | 05/10/06*     |                    | (a)               | 48.51               | (a)      | 3502.68                |
|       | 12/14/06*     |                    | (a)               | 48.11               | (a)      | 3503.08                |
|       | 06/20/07*     |                    | (a)               | 47.85               | (a)      | 3503.34                |
|       | 12/07/07*     |                    | (a)               | 47.42               | (a)      | 3503.77                |
|       | 05/30/08*     |                    | (a)               | 47.55               | (a)      | 3503.64                |
|       | 12/10/08*     |                    | (a)               | 47.78               | (a)      | 3503.41                |

**Table 1. Summary of Groundwater Surface Elevations  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| MW-13 | 12/01/94      | 3547.78 (b)        | (a)               | 49.70               | (a)      | 3498.08                |
|       | 11/21/95      |                    | (a)               | 49.55               | (a)      | 3498.23                |
|       | 02/22/96      |                    | (a)               | 49.27               | (a)      | 3498.51                |
|       | 05/14/96      |                    | (a)               | 49.15               | (a)      | 3498.63                |
|       | 08/12/96      |                    | (a)               | 49.40               | (a)      | 3498.38                |
|       | 11/12/96      |                    | (a)               | 49.42               | (a)      | 3498.36                |
|       | 02/05/97      |                    | (a)               | 49.40               | (a)      | 3498.38                |
|       | 08/05/97      |                    | (a)               | 49.37               | (a)      | 3498.41                |
|       | 12/29/97      |                    | (a)               | 49.50               | (a)      | 3498.28                |
|       | 02/23/98*     |                    | (a)               | 49.35               | (a)      | 3498.43                |
|       | 08/05/98*     |                    | (a)               | 49.41               | (a)      | 3498.37                |
|       | 08/27/98      |                    | (a)               | 49.20               | (a)      | 3498.58                |
|       | 02/11/99*     |                    | (a)               | 49.12               | (a)      | 3498.66                |
|       | 08/11/99*     |                    | (a)               | 49.43               | (a)      | 3498.35                |
|       | 02/13/00*     |                    | (a)               | 49.05               | (a)      | 3498.73                |
|       | 08/21/00*     |                    | (a)               | 49.40               | (a)      | 3498.38                |
|       | 02/17/01*     |                    | (a)               | 49.22               | (a)      | 3498.56                |
|       | 08/15/01      |                    | (a)               | 48.98               | (a)      | 3498.80                |
|       | 02/27/02*     |                    | (a)               | 48.85               | (a)      | 3498.93                |
|       | 07/31/02*     |                    | (a)               | 48.62               | (a)      | 3499.16                |
|       | 02/13/03*     |                    | (a)               | 48.52               | (a)      | 3499.26                |
|       | 08/04/03*     |                    | (a)               | 48.40               | (a)      | 3499.38                |
|       | 05/24/04*     |                    | (a)               | 48.35               | (a)      | 3499.43                |
|       | 11/09/04*     |                    | (a)               | 48.55               | (a)      | 3499.23                |
|       | 04/11/05*     |                    | (a)               | 48.13               | (a)      | 3499.65                |
|       | 12/01/05*     |                    | (a)               | 47.75               | (a)      | 3500.03                |
|       | 05/10/06*     |                    | (a)               | 46.88               | (a)      | 3500.90                |
|       | 12/14/06*     |                    | (a)               | 46.02               | (a)      | 3501.76                |
|       | 06/20/07*     |                    | (a)               | 45.43               | (a)      | 3502.35                |
|       | 12/07/07*     |                    | (a)               | 45.07               | (a)      | 3502.71                |
|       | 05/30/08*     |                    | (a)               | 45.02               | (a)      | 3502.76                |
|       | 12/10/08*     |                    | (a)               | 45.18               | (a)      | 3502.60                |

NOTES:

PSH - Phase separated hydrocarbon

Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of

(a) Not applicable since no measurable thickness of hydrocarbon is present

(b) Survey by John West Engineering, Hobbs, NM dated 11/94

(c) Survey by Cypress Engineering, Houston, TX dated 08/11/99

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-1 | 05/14/96      | 3551.22 (e)        | (a)               | 51.01               | (a)      | 3500.21                |
|       | 08/06/97      |                    | (a)               | 49.09               | (a)      | 3502.13                |
|       | 02/11/99*     |                    | (a)               | 51.52               | (a)      | 3499.70                |
|       | 08/11/99*     |                    | (a)               | 52.17               | (a)      | 3499.05                |
|       | 02/13/00*     |                    | (a)               | 51.32               | (a)      | 3499.90                |
|       | 08/21/00*     |                    | (a)               | 51.85               | (a)      | 3499.37                |
|       | 02/17/01*     |                    | (a)               | 51.55               | (a)      | 3499.67                |
|       | 08/15/01      |                    | (a)               | 51.17               | (a)      | 3500.05                |
|       | 02/27/02*     |                    | (a)               | 50.90               | (a)      | 3500.32                |
|       | 07/31/02*     |                    | (a)               | 50.79               | (a)      | 3500.43                |
|       | 02/13/03*     |                    | (a)               | 50.71               | (a)      | 3500.51                |
|       | 08/04/03*     |                    | (a)               | 50.63               | (a)      | 3500.59                |
|       | 05/24/04*     |                    | (a)               | 50.80               | (a)      | 3500.42                |
|       | 11/09/04*     |                    | (a)               | 50.73               | (a)      | 3500.49                |
|       | 04/11/05*     |                    | (a)               | 50.72               | (a)      | 3500.50                |
|       | 12/01/05*     |                    | (a)               | 50.44               | (a)      | 3500.78                |
|       | 05/10/06*     |                    | (a)               | 50.05               | (a)      | 3501.17                |
|       | 12/14/06*     |                    | (a)               | 48.37               | (a)      | 3502.85                |
|       | 06/20/07*     |                    | (a)               | 49.09               | (a)      | 3502.13                |
|       | 12/07/07*     |                    | (a)               | 48.57               | (a)      | 3502.65                |
|       | 05/30/08*     |                    | (a)               | 48.42               | (a)      | 3502.80                |
|       | 12/10/08*     |                    | (a)               | 48.43               | (a)      | 3502.79                |
| SVE-2 | 05/14/96      | 3551.96 (e)        | 50.63             | 51.38               | 0.75     | 3501.18                |
|       | 08/06/97      |                    | 50.95             | 52.15               | 1.20     | 3500.77                |
|       | 08/07/97      |                    | 50.93             | 51.64               | 0.71     | 3500.89                |
|       | 08/29/97      |                    | 50.75             | 51.16               | 0.41     | 3501.13                |
|       | 12/29/97      |                    | 51.02             | 51.76               | 0.74     | 3500.79                |
|       | 06/26/98      |                    | (a)               | 50.87               | (a)      | 3501.09                |
|       | 07/13/98      |                    | (a)               | 50.87               | (a)      | 3501.09                |
|       | 02/11/99*     |                    | (a)               | 50.15               | (a)      | 3501.81                |
|       | 08/11/99*     |                    | (a)               | 51.26               | (a)      | 3500.70                |
|       | 02/13/00*     |                    | (a)               | 50.57               | (a)      | 3501.39                |
|       | 08/21/00*     |                    | (a)               | 50.68               | (a)      | 3501.28                |
|       | 02/17/01*     |                    | (a)               | 50.55               | (a)      | 3501.41                |
|       | 08/15/01      |                    | (a)               | 50.07               | (a)      | 3501.89                |
|       | 07/31/02*     |                    | (a)               | 49.81               | (a)      | 3502.15                |
|       | 02/13/03*     |                    | (a)               | 49.89               | (a)      | 3502.07                |
|       | 08/04/03*     |                    | (a)               | 49.68               | (a)      | 3502.28                |
|       | 05/24/04*     |                    | (a)               | 49.70               | (a)      | 3502.26                |
|       | 11/09/04*     |                    | (a)               | 49.85               | (a)      | 3502.11                |
|       | 04/11/05*     |                    | (a)               | 50.31               | (a)      | 3501.65                |
|       | 12/01/05*     |                    | (a)               | 49.62               | (a)      | 3502.34                |
|       | 05/10/06*     |                    | (a)               | 48.15               | (a)      | 3503.81                |
|       | 12/14/06*     |                    | (a)               | 47.82               | (a)      | 3504.14                |
|       | 06/20/07*     |                    | (a)               | 47.48               | (a)      | 3504.48                |
|       | 12/07/07*     |                    | (a)               | 47.28               | (a)      | 3504.68                |
|       | 05/30/08*     |                    | (a)               | 47.40               | (a)      | 3504.56                |
|       | 12/10/08*     |                    | (a)               | 47.84               | (a)      | 3504.12                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-3 | 05/14/96      | 3552.75 (e)        | (a)               | 50.95               | (a)      | 3501.80                |
|       | 08/06/97      |                    | (a)               | 47.70               | (a)      | 3505.05                |
|       | 12/29/97      |                    | (a)               | 51.44               | (a)      | 3501.31                |
|       | 02/11/99*     |                    | (a)               | 46.45               | (a)      | 3506.30                |
|       | 08/11/99*     |                    | (a)               | 51.03               | (a)      | 3501.72                |
|       | 02/13/00*     |                    | (a)               | 51.17               | (a)      | 3501.58                |
|       | 02/17/01*     |                    | (a)               | 51.08               | (a)      | 3501.67                |
|       | 08/15/01      |                    | (a)               | 50.87               | (a)      | 3501.88                |
|       | 02/27/02*     |                    | (a)               | 50.61               | (a)      | 3502.14                |
|       | 07/31/02*     |                    | (a)               | 50.57               | (a)      | 3502.18                |
|       | 02/13/03*     |                    | (a)               | 50.56               | (a)      | 3502.19                |
|       | 08/04/03*     |                    | (a)               | 50.46               | (a)      | 3502.29                |
|       | 05/24/04*     | (f)                | --                | TD@41.00            | --       | --                     |
|       | 11/09/04*     |                    | --                | TD@41.00            | --       | --                     |
|       | 12/01/04      |                    | --                | --                  | --       | --                     |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-4 | 05/14/96      | 3553.03 (d)        | 51.91             | 53.67               | 1.76     | 3500.77                |
|       | 08/06/97      |                    | 50.56             | 52.24               | 1.68     | 3502.13                |
|       | 08/07/97      |                    | 52.84             | 53.39               | 0.55     | 3500.08                |
|       | 08/29/97      |                    | 50.50             | 51.74               | 1.24     | 3502.28                |
|       | 12/29/97      |                    | 52.02             | 53.04               | 1.02     | 3500.81                |
|       | 06/26/98      |                    | 50.58             | 52.30               | 1.72     | 3502.11                |
|       | 07/13/98      |                    | 50.52             | 52.30               | 1.78     | 3502.15                |
|       | 07/24/98      |                    | 50.38             | 51.80               | 1.42     | 3502.37                |
|       | 09/23/98      |                    | 50.11             | 51.31               | 1.20     | 3502.68                |
|       | 01/07/99      |                    | 50.70             | 51.36               | 0.66     | 3502.20                |
|       | 01/27/99      |                    | 50.65             | 51.18               | 0.53     | 3502.27                |
| SVE-5 | 05/14/96      | 3554.39 (e)        | 51.34             | --                  | --       | (a)                    |
|       | 08/06/97      |                    | 45.69             | 49.30               | 3.61     | 3507.98                |
|       | 08/07/97      |                    | 50.22             | 51.08               | 0.86     | 3504.00                |
|       | 08/29/97      |                    | 45.00             | 48.59               | 3.59     | 3508.67                |
|       | 12/29/97      |                    | 51.83             | --                  | --       | (a)                    |
|       | 08/26/98      |                    | 44.65             | 47.10               | 2.45     | 3509.25                |
|       | 01/17/99      |                    | 46.20             | 46.60               | 0.40     | 3508.11                |
|       | 02/11/99*     |                    | 44.87             | 45.10               | 0.23     | 3509.47                |
|       | 06/15/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 07/15/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 08/13/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 09/14/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 10/07/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 11/16/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 12/16/99      |                    | <52.05            | <52.05              | na       | na                     |
|       | 01/25/00      |                    | (a)               | 52.08               | (a)      | 3502.31                |
|       | 02/03/00      |                    | (a)               | 51.23               | (a)      | 3503.16                |
|       | 02/13/00*     |                    | (a)               | 51.08               | (a)      | 3503.31                |
|       | 02/17/01*     |                    | (a)               | 48.08               | (a)      | 3506.31                |
|       | 08/15/01      |                    | (a)               | 50.68               | (a)      | 3503.71                |
|       | 02/27/02*     |                    | (a)               | 50.53               | (a)      | 3503.86                |
|       | 07/31/02*     |                    | (a)               | 51.96               | (a)      | (a)                    |
|       | 02/13/03*     |                    | 51.85             | 52.06               | 0.21     | 3502.50                |
|       | 08/04/03*     |                    | 52.90             | 53.56               | 0.66     | 3501.36                |
|       | 05/24/04*     |                    | 51.90             | 52.13               | 0.23     | 3502.44                |
|       | 11/09/04*     |                    | 51.99             | to TD @ 52.14       | --       | --                     |
|       | 04/11/05*     |                    | 51.40             | 51.99               | 0.59     | 3502.87                |
|       | 12/01/05*     |                    | 50.81             | 51.57               | 0.76     | 3503.43                |
|       | 05/10/06*     |                    | 50.24             | 51.09               | 0.85     | 3503.98                |
|       | 12/14/06*     |                    | 47.85             | 48.12               | 0.27     | 3506.49                |
|       | 06/20/07*     |                    | (a)               | 46.76               | (a)      | 3507.63                |
|       | 12/07/07*     |                    | (a)               | 47.37               | (a)      | 3507.02                |
|       | 05/30/08*     |                    | (a)               | 47.98               | (a)      | 3506.41                |
|       | 12/10/08*     |                    | (a)               | 48.73               | (a)      | 3505.66                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-6 | 05/14/96      | 3553.74 (e)        | (a)               | 54.30               | (a)      | 3499.44                |
|       | 08/06/97      |                    | (a)               | 49.75               | (a)      | 3503.99                |
|       | 02/11/99*     |                    | (a)               | 52.05               | (a)      | 3501.69                |
|       | 08/11/99*     |                    | (a)               | 52.59               | (a)      | 3501.15                |
|       | 02/13/00*     |                    | (a)               | 51.95               | (a)      | 3501.79                |
|       | 02/17/01*     |                    | (a)               | 51.88               | (a)      | 3501.86                |
|       | 08/15/01      |                    | (a)               | 51.36               | (a)      | 3502.38                |
|       | 02/27/02*     |                    | (a)               | 51.22               | (a)      | 3502.52                |
|       | 07/31/02*     |                    | (a)               | 51.03               | (a)      | 3502.71                |
|       | 02/13/03*     |                    | (a)               | 51.16               | (a)      | 3502.58                |
|       | 08/04/03*     |                    | (a)               | 50.88               | (a)      | 3502.86                |
|       | 05/24/04*     |                    | (a)               | 51.18               | (a)      | 3502.56                |
|       | 11/09/04*     |                    | (a)               | 50.99               | (a)      | 3502.75                |
|       | 04/11/05*     |                    | (a)               | 51.82               | (a)      | 3501.92                |
|       | 12/01/05*     |                    | (a)               | 49.94               | (a)      | 3503.80                |
|       | 05/10/06*     |                    | (a)               | 49.45               | (a)      | 3504.29                |
|       | 12/14/06*     |                    | (a)               | 48.88               | (a)      | 3504.86                |
|       | 06/20/07*     |                    | (a)               | 48.50               | (a)      | 3505.24                |
|       | 12/07/07*     |                    | (a)               | 48.18               | (a)      | 3505.56                |
|       | 05/30/08*     |                    | (a)               | 48.32               | (a)      | 3505.42                |
|       | 12/10/08*     |                    | (a)               | 48.81               | (a)      | 3504.93                |
| SVE-7 | 05/14/96      | 3553.81 (e)        | (a)               | 53.89               | (a)      | 3499.92                |
|       | 08/06/97      |                    | (a)               | 51.40               | (a)      | 3502.41                |
|       | 12/29/97      |                    | (a)               | 54.14               | (a)      | 3499.67                |
|       | 02/11/99*     |                    | (a)               | 53.65               | (a)      | 3500.16                |
|       | 08/11/99*     |                    | (a)               | 54.18               | (a)      | 3499.63                |
|       | 02/13/00*     |                    | (a)               | 53.37               | (a)      | 3500.44                |
|       | 08/21/00*     |                    | (a)               | 53.98               | (a)      | 3499.83                |
|       | 02/17/01*     |                    | (a)               | 53.64               | (a)      | 3500.17                |
|       | 08/15/01      |                    | (a)               | 53.28               | (a)      | 3500.53                |
|       | 02/27/02*     |                    | (a)               | 52.93               | (a)      | 3500.88                |
|       | 07/31/02*     |                    | (a)               | 52.87               | (a)      | 3500.94                |
|       | 02/13/03*     |                    | (a)               | 52.71               | (a)      | 3501.10                |
|       | 08/04/03*     |                    | (a)               | 52.61               | (a)      | 3501.20                |
|       | 05/24/04*     |                    | (a)               | 52.63               | (a)      | 3501.18                |
|       | 11/09/04*     |                    | (a)               | 52.70               | (a)      | 3501.11                |
|       | 04/11/05*     |                    | (a)               | 52.38               | (a)      | 3501.43                |
|       | 12/01/05*     |                    | (a)               | 51.85               | (a)      | 3501.96                |
|       | 05/10/06*     |                    | (a)               | 51.23               | (a)      | 3502.58                |
|       | 12/14/06*     |                    | (a)               | 50.46               | (a)      | 3503.35                |
|       | 06/20/07*     |                    | (a)               | 50.04               | (a)      | 3503.77                |
|       | 12/07/07*     |                    | (a)               | 49.53               | (a)      | 3504.28                |
|       | 05/30/08*     |                    | (a)               | 49.45               | (a)      | 3504.36                |
|       | 12/10/08*     |                    | (a)               | 49.71               | (a)      | 3504.10                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well  | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|-------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-8 | 05/14/96      | 3555.25 (e)        | (a)               | 53.55               | (a)      | 3501.70                |
|       | 08/06/97      |                    | (a)               | 51.72               | (a)      | 3503.53                |
|       | 12/29/97      |                    | (a)               | 54.07               | (a)      | 3501.18                |
|       | 02/11/99*     |                    | (a)               | 53.06               | (a)      | 3502.19                |
|       | 08/11/99*     |                    | (a)               | 54.02               | (a)      | 3501.23                |
|       | 02/13/00*     |                    | (a)               | 53.33               | (a)      | 3501.92                |
|       | 08/21/00*     |                    | (a)               | 53.57               | (a)      | 3501.68                |
|       | 02/17/01*     |                    | (a)               | 53.34               | (a)      | 3501.91                |
|       | 08/15/01      |                    | (a)               | 53.08               | (a)      | 3502.17                |
|       | 02/27/02*     |                    | (a)               | 52.94               | (a)      | 3502.31                |
|       | 07/31/02*     |                    | (a)               | 52.83               | (a)      | 3502.42                |
|       | 02/13/03*     |                    | (a)               | 52.86               | (a)      | 3502.39                |
|       | 08/04/03*     |                    | (a)               | 52.73               | (a)      | 3502.52                |
|       | 05/24/04*     |                    | (a)               | 52.74               | (a)      | 3502.51                |
|       | 11/09/04*     |                    | (a)               | 52.87               | (a)      | 3502.38                |
|       | 04/11/05*     |                    | (a)               | 52.39               | (a)      | 3502.86                |
|       | 12/01/05*     |                    | (a)               | 51.60               | (a)      | 3503.65                |
|       | 05/10/06*     |                    | (a)               | 51.07               | (a)      | 3504.18                |
|       | 12/14/06*     |                    | (a)               | 50.67               | (a)      | 3504.58                |
|       | 06/20/07*     |                    | (a)               | 50.18               | (a)      | 3505.07                |
|       | 12/07/07*     |                    | (a)               | 50.03               | (a)      | 3505.22                |
|       | 05/30/08*     |                    | (a)               | 50.12               | (a)      | 3505.13                |
|       | 12/10/08*     |                    | (a)               | 50.58               | (a)      | 3504.67                |
| SVE-9 | 05/14/96      | 3555.36 (e)        | (a)               | 54.13               | (a)      | 3501.23                |
|       | 08/06/97      |                    | (a)               | 50.06               | (a)      | 3505.30                |
|       | 02/11/99*     |                    | (a)               | 50.97               | (a)      | 3504.39                |
|       | 08/11/99*     |                    | (a)               | 54.39               | (a)      | 3500.97                |
|       | 02/13/00*     |                    | (a)               | 53.65               | (a)      | 3501.71                |
|       | 08/21/00*     |                    | (a)               | 54.22               | (a)      | 3501.14                |
|       | 02/17/01*     |                    | (a)               | 53.57               | (a)      | 3501.79                |
|       | 08/15/01      |                    | (a)               | 53.14               | (a)      | 3502.22                |
|       | 02/27/02*     |                    | (a)               | 53.01               | (a)      | 3502.35                |
|       | 07/31/02*     |                    | (a)               | 52.78               | (a)      | 3502.58                |
|       | 02/13/03*     |                    | (a)               | 52.88               | (a)      | 3502.48                |
|       | 08/04/03*     |                    | (a)               | 52.63               | (a)      | 3502.73                |
|       | 05/24/04*     |                    | (a)               | 52.81               | (a)      | 3502.55                |
|       | 11/09/04*     |                    | (a)               | 52.78               | (a)      | 3502.58                |
|       | 04/11/05*     |                    | (a)               | 53.53               | (a)      | 3501.83                |
|       | 12/01/05*     |                    | (a)               | 51.81               | (a)      | 3503.55                |
|       | 05/10/06*     |                    | (a)               | 51.10               | (a)      | 3504.26                |
|       | 12/14/06*     |                    | (a)               | 50.61               | (a)      | 3504.75                |
|       | 06/20/07*     |                    | (a)               | 50.31               | (a)      | 3505.05                |
|       | 12/07/07*     |                    | (a)               | 49.91               | (a)      | 3505.45                |
|       | 05/30/08*     |                    | (a)               | 50.00               | (a)      | 3505.36                |
|       | 12/10/08*     |                    | (a)               | 50.46               | (a)      | 3504.90                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well   | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|--------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-10 | 06/04/99      | 3554.40 (e)        | 52.86             | 52.88               | 0.02     | 3501.54                |
|        | 06/29/99      |                    | 53.25             | 53.32               | 0.07     | 3501.14                |
|        | 07/08/99      |                    | 51.63             | 51.70               | 0.07     | 3502.76                |
|        | 07/27/99      |                    | 51.23             | 51.41               | 0.18     | 3503.13                |
|        | 08/11/99*     |                    | 53.12             | 53.32               | 0.20     | 3501.24                |
|        | 08/26/99      |                    | 51.63             | 51.77               | 0.14     | 3502.74                |
|        | 09/28/99      |                    | 56.65             | 56.79               | 0.14     | 3497.72                |
|        | 10/07/99      |                    | 54.98             | 55.23               | 0.25     | 3499.37                |
|        | 10/26/99      |                    | 54.68             | 54.77               | 0.09     | 3499.70                |
|        | 11/11/99      |                    | 55.79             | 55.85               | 0.06     | 3498.60                |
|        | 11/30/99      |                    | 55.03             | 55.07               | 0.04     | 3499.36                |
|        | 12/14/99      |                    | 54.52             | 54.53               | 0.01     | 3499.88                |
|        | 12/30/99      |                    | 53.91             | 53.94               | 0.03     | 3500.48                |
|        | 01/13/00      |                    | 53.56             | 53.59               | 0.03     | 3500.83                |
|        | 01/25/00      |                    | 53.50             | 53.52               | 0.02     | 3500.90                |
|        | 02/03/00      |                    | 53.61             | 53.63               | 0.02     | 3500.79                |
|        | 02/13/00*     |                    | 53.53             | 53.58               | 0.05     | 3500.86                |
|        | 03/06/00      |                    | 54.11             | 54.12               | 0.01     | 3500.29                |
|        | 03/23/00      |                    | (a)               | 54.95               | (a)      | 3499.45                |
|        | 04/06/00      |                    | 54.05             | 54.07               | 0.02     | 3500.35                |
|        | 04/20/00      |                    | 54.19             | 54.20               | 0.01     | 3500.21                |
|        | 05/11/00      |                    | 54.21             | 54.22               | 0.01     | 3500.19                |
|        | 05/25/00      |                    | (a)               | 54.21               | (a)      | 3500.19                |
|        | 06/08/00      |                    | (a)               | 54.18               | (a)      | 3500.22                |
|        | 06/22/00      |                    | (a)               | 54.18               | (a)      | 3500.22                |
|        | 07/13/00      |                    | (a)               | 54.19               | (a)      | 3500.21                |
|        | 07/27/00      |                    | (a)               | 54.19               | (a)      | 3500.21                |
|        | 08/03/00      |                    | 54.03             | 54.04               | 0.01     | 3500.37                |
|        | 08/21/00*     |                    | (a)               | 54.02               | (a)      | 3500.38                |
|        | 09/14/00      |                    | (a)               | 53.60               | (a)      | 3500.80                |
|        | 09/28/00      |                    | (a)               | 53.58               | (a)      | 3500.82                |
|        | 10/12/00      |                    | (a)               | 53.55               | (a)      | 3500.85                |
|        | 11/03/00      |                    | (a)               | 53.35               | (a)      | 3501.05                |
|        | 11/16/00      |                    | (a)               | 53.29               | (a)      | 3501.11                |
|        | 12/06/00      |                    | (a)               | 53.25               | sheen    | 3501.15                |
|        | 01/25/01      |                    | (a)               | 53.11               | (a)      | 3501.29                |
|        | 02/17/01*     |                    | 53.04             | 53.05               | 0.01     | 3501.36                |
|        | 02/23/01      |                    | (a)               | 53.00               | (a)      | 3501.40                |
|        | 03/30/01      |                    | (a)               | 52.95               | (a)      | 3501.45                |
|        | 08/15/01      |                    | (a)               | 56.16               | (a)      | 3498.24                |
|        | 02/27/02*     |                    | (a)               | 52.70               | (a)      | 3501.70                |
|        | 07/31/02*     |                    | (a)               | 52.60               | (a)      | 3501.80                |
|        | 02/13/03*     |                    | (a)               | 52.47               | sheen    | 3501.93                |
|        | 08/04/03*     |                    | (a)               | 52.30               | sheen    | 3502.10                |
|        | 05/24/04*     |                    | (a)               | 52.27               | (a)      | 3502.13                |
|        | 11/09/04*     |                    | (a)               | 52.37               | sheen    | 3502.03                |
|        | 04/11/05*     |                    | (a)               | 52.06               | (a)      | 3502.34                |
|        | 12/01/05*     |                    | (a)               | 51.50               | (a)      | 3502.90                |
|        | 05/10/06*     |                    | (a)               | 50.89               | sheen    | 3503.51                |
|        | 12/14/06*     |                    | (a)               | 50.53               | (a)      | 3503.87                |
|        | 06/20/07*     |                    | (a)               | 50.10               | sheen    | 3504.30                |
|        | 12/07/07*     |                    | (a)               | 49.85               | sheen    | 3504.55                |
|        | 05/30/08*     |                    | (a)               | 49.82               | (a)      | 3504.58                |
|        | 12/10/08*     |                    | (a)               | 50.12               | (a)      | 3504.28                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well   | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|--------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-11 | 06/04/99      | 3555.33 (e)        | 54.94             | 55.32               | 0.38     | 3500.31                |
|        | 06/29/99      |                    | 54.94             | 55.31               | 0.37     | 3500.32                |
|        | 07/08/99      |                    | 54.87             | 56.51               | 1.64     | 3500.13                |
|        | 07/27/99      |                    | 54.52             | 56.18               | 1.66     | 3500.48                |
|        | 08/11/99*     |                    | 54.32             | 55.91               | 1.59     | 3500.69                |
|        | 08/13/99      |                    | 54.66             | 55.80               | 1.14     | 3500.44                |
|        | 09/02/99      |                    | 54.30             | 54.39               | 0.09     | 3501.01                |
|        | 09/14/99      |                    | 55.30             | 56.14               | 0.84     | 3499.86                |
|        | 10/05/99      |                    | 54.80             | 54.85               | 0.05     | 3500.52                |
|        | 11/02/99      |                    | 54.58             | 54.59               | 0.01     | 3500.75                |
|        | 11/16/99      |                    | (a)               | 54.21               | (a)      | 3501.12                |
|        | 12/02/99      |                    | (a)               | 54.20               | (a)      | 3501.13                |
|        | 12/30/99      |                    | (a)               | 53.86               | (a)      | 3501.47                |
|        | 01/13/00      |                    | (a)               | 53.99               | (a)      | 3501.34                |
|        | 01/25/00      |                    | (a)               | 54.64               | (a)      | 3500.69                |
|        | 02/03/00      |                    | (a)               | 54.32               | (a)      | 3501.01                |
|        | 02/13/00*     |                    | 53.87             | 53.89               | 0.02     | 3501.46                |
|        | 03/23/00      |                    | 57.55             | 57.56               | 0.01     | 3497.78                |
|        | 04/06/00      |                    | (a)               | 56.00               | (a)      | 3499.33                |
|        | 05/11/00      |                    | (a)               | 55.26               | (a)      | 3500.07                |
|        | 05/25/00      |                    | (a)               | 54.63               | (a)      | 3500.70                |
|        | 06/08/00      |                    | (a)               | 54.73               | (a)      | 3500.60                |
|        | 06/22/00      |                    | (a)               | 55.28               | (a)      | 3500.05                |
|        | 07/13/00      |                    | 54.62             | 54.63               | 0.01     | 3500.71                |
|        | 07/27/00      |                    | (a)               | 54.29               | (a)      | 3501.04                |
|        | 08/03/00      |                    | (a)               | 54.22               | (a)      | 3501.11                |
|        | 08/21/00*     |                    | (a)               | 53.77               | (a)      | 3501.56                |
|        | 09/14/00      |                    | (a)               | 53.92               | (a)      | 3501.41                |
|        | 09/28/00      |                    | (a)               | 53.92               | (a)      | 3501.41                |
|        | 10/12/00      |                    | (a)               | 53.95               | (a)      | 3501.38                |
|        | 11/03/00      |                    | 53.75             | 53.76               | 0.01     | 3501.58                |
|        | 11/16/00      |                    | 53.76             | 53.77               | 0.01     | 3501.57                |
|        | 12/06/00      |                    | 53.83             | 53.89               | 0.06     | 3501.49                |
|        | 01/25/01      |                    | 53.64             | 53.71               | 0.07     | 3501.68                |
|        | 02/17/01*     |                    | 53.76             | 53.87               | 0.11     | 3501.55                |
|        | 02/23/01      |                    | 53.47             | 53.54               | 0.07     | 3501.85                |
|        | 03/30/01      |                    | 53.48             | 53.55               | 0.07     | 3501.84                |
|        | 08/15/01      |                    | (a)               | 53.43               | (a)      | 3501.90                |
|        | 02/27/02*     |                    | 53.35             | 53.43               | 0.08     | 3501.96                |
|        | 07/31/02*     |                    | 53.15             | 53.16               | 0.01     | 3502.18                |
|        | 02/13/03*     |                    | (a)               | 53.03               | sheen    | 3502.30                |
|        | 08/04/03*     |                    | 51.81             | 52.02               | 0.21     | 3503.48                |
|        | 05/24/04*     |                    | 55.85             | 56.33               | 0.48     | 3499.38                |
|        | 11/09/04*     |                    | 52.94             | 53.31               | 0.37     | 3502.32                |
|        | 04/11/05*     |                    | 52.54             | 52.55               | 0.01     | 3502.79                |
|        | 12/01/05*     |                    | 51.81             | 53.05               | 1.24     | 3503.27                |
|        | 05/10/06*     |                    | 51.19             | 52.55               | 1.36     | 3503.87                |
|        | 12/14/06*     |                    | (a)               | 50.71               | sheen    | 3504.62                |
|        | 06/20/07*     |                    | 50.36             | 52.04               | 1.68     | 3504.63                |
|        | 12/07/07*     |                    | 50.05             | 51.90               | 1.85     | 3504.91                |
|        | 05/30/08*     |                    | 50.09             | 52.35               | 2.26     | 3504.79                |
|        | 12/10/08*     |                    | 50.58             | 52.72               | 2.14     | 3504.32                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well   | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|--------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-12 | 06/04/99      | 3555.64 (e)        | 55.00             | 58.71               | 3.71     | 3499.90                |
|        | 07/13/99      |                    | 55.25             | 55.83               | 0.58     | 3500.27                |
|        | 07/27/99      |                    | 54.99             | 56.16               | 1.17     | 3500.42                |
|        | 08/03/99      |                    | 55.11             | 56.41               | 1.30     | 3500.27                |
|        | 09/07/99      |                    | 54.29             | 54.30               | 0.01     | 3501.35                |
|        | 09/14/99      |                    | 55.28             | 55.29               | 0.01     | 3500.36                |
|        | 10/12/99      |                    | 53.35             | 53.37               | 0.02     | 3502.29                |
|        | 10/28/99      |                    | (a)               | 54.56               | (a)      | 3501.08                |
|        | 11/11/99      |                    | (a)               | 54.23               | (a)      | 3501.41                |
|        | 11/30/99      |                    | (a)               | 53.88               | (a)      | 3501.76                |
|        | 12/14/99      |                    | (a)               | 53.89               | (a)      | 3501.75                |
|        | 12/30/99      |                    | (a)               | 53.82               | (a)      | 3501.82                |
|        | 01/25/00      |                    | (a)               | 54.33               | (a)      | 3501.31                |
|        | 02/03/00      |                    | (a)               | 54.41               | (a)      | 3501.23                |
|        | 02/13/00*     |                    | (a)               | 54.17               | sheen    | 3501.47                |
|        | 04/20/00      |                    | (a)               | 56.38               | (a)      | 3499.26                |
|        | 06/15/00      |                    | (a)               | 55.25               | (a)      | 3500.39                |
|        | 07/13/00      |                    | (a)               | 54.50               | (a)      | 3501.14                |
|        | 07/27/00      |                    | (a)               | 53.97               | (a)      | 3501.67                |
|        | 08/03/00      |                    | (a)               | 53.19               | (a)      | 3502.45                |
|        | 08/21/00*     |                    | (a)               | 53.73               | (a)      | 3501.91                |
|        | 09/14/00      |                    | (a)               | 53.57               | (a)      | 3502.07                |
|        | 09/28/00      |                    | (a)               | 53.82               | (a)      | 3501.82                |
|        | 10/12/00      |                    | (a)               | 53.54               | (a)      | 3502.10                |
|        | 11/03/00      |                    | (a)               | 54.04               | (a)      | 3501.60                |
|        | 11/16/00      |                    | (a)               | 54.06               | (a)      | 3501.58                |
|        | 12/06/00      |                    | (a)               | 54.12               | sheen    | 3501.52                |
|        | 01/25/01      |                    | 53.92             | 53.94               | 0.02     | 3501.72                |
|        | 02/17/01*     |                    | 54.06             | 54.10               | 0.04     | 3501.57                |
|        | 02/23/01      |                    | (a)               | 52.28               | (a)      | 3503.36                |
|        | 03/30/01      |                    | 53.79             | 53.88               | 0.09     | 3501.83                |
|        | 08/15/01      |                    | (a)               | 53.73               | (a)      | 3501.91                |
|        | 02/27/02*     |                    | 53.60             | 53.61               | 0.01     | 3502.04                |
|        | 07/31/02*     |                    | 53.44             | 53.59               | 0.15     | 3502.17                |
|        | 02/13/03*     |                    | 53.47             | 53.62               | 0.15     | 3502.14                |
|        | 08/04/03*     |                    | 53.23             | 53.57               | 0.34     | 3502.34                |
|        | 05/24/04*     |                    | 53.13             | 53.74               | 0.61     | 3502.39                |
|        | 11/09/04*     |                    | 53.33             | 53.87               | 0.54     | 3502.20                |
|        | 04/11/05*     |                    | 52.97             | 52.98               | 0.01     | 3502.67                |
|        | 12/01/05*     |                    | 52.20             | 52.90               | 0.70     | 3503.30                |
|        | 05/10/06*     |                    | 51.61             | 52.37               | 0.76     | 3503.88                |
|        | 12/14/06*     |                    | 51.22             | 52.12               | 0.90     | 3504.24                |
|        | 06/20/07*     |                    | 50.81             | 51.81               | 1.00     | 3504.63                |
|        | 12/07/07*     |                    | 50.52             | 51.57               | 1.05     | 3504.91                |
|        | 05/30/08*     |                    | 50.65             | 51.75               | 1.10     | 3504.77                |
|        | 12/10/08*     |                    | 51.11             | 52.34               | 1.23     | 3504.28                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well   | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|--------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-13 | 06/04/99      | 3554.11 (e)        | 53.73             | 54.83               | 1.10     | 3500.16                |
|        | 06/24/99      |                    | 53.65             | 54.02               | 0.37     | 3500.39                |
|        | 07/15/99      |                    | 53.97             | 54.02               | 0.05     | 3500.13                |
|        | 07/27/99      |                    | 53.28             | 53.30               | 0.02     | 3500.83                |
|        | 08/11/99*     |                    | 53.37             | 53.39               | 0.02     | 3500.74                |
|        | 08/26/99      |                    | (a)               | 53.27               | (a)      | 3500.84                |
|        | 09/14/99      |                    | (a)               | 53.93               | (a)      | 3500.18                |
|        | 09/28/99      |                    | (a)               | 53.24               | (a)      | 3500.87                |
|        | 10/07/99      |                    | (a)               | 53.36               | (a)      | 3500.75                |
|        | 10/21/99      |                    | (a)               | 53.51               | (a)      | 3500.60                |
|        | 11/11/99      |                    | (a)               | 53.00               | (a)      | 3501.11                |
|        | 11/30/99      |                    | (a)               | 52.56               | (a)      | 3501.55                |
|        | 12/14/99      |                    | (a)               | 52.54               | (a)      | 3501.57                |
|        | 12/30/99      |                    | (a)               | 52.38               | (a)      | 3501.73                |
|        | 01/25/00      |                    | (a)               | 54.18               | (a)      | 3499.93                |
|        | 02/03/00      |                    | (a)               | 52.79               | (a)      | 3501.32                |
|        | 02/13/00*     |                    | (a)               | 52.60               | (a)      | 3501.51                |
|        | 03/06/00      |                    | (a)               | 53.45               | (a)      | 3500.66                |
|        | 03/23/00      |                    | (a)               | 56.07               | (a)      | 3498.04                |
|        | 04/06/00      |                    | (a)               | 54.76               | (a)      | 3499.35                |
|        | 05/11/00      |                    | (a)               | 53.54               | (a)      | 3500.57                |
|        | 05/25/00      |                    | (a)               | 52.68               | (a)      | 3501.43                |
|        | 06/08/00      |                    | (a)               | 53.16               | (a)      | 3500.95                |
|        | 06/22/00      |                    | (a)               | 54.22               | (a)      | 3499.89                |
|        | 07/13/00      |                    | (a)               | 52.91               | (a)      | 3501.20                |
|        | 07/27/00      |                    | (a)               | 52.67               | (a)      | 3501.44                |
|        | 08/03/00      |                    | (a)               | 52.48               | (a)      | 3501.63                |
|        | 08/21/00*     |                    | (a)               | 52.47               | (a)      | 3501.64                |
|        | 09/14/00      |                    | (a)               | 52.65               | (a)      | 3501.46                |
|        | 09/28/00      |                    | (a)               | 52.58               | (a)      | 3501.53                |
|        | 10/12/00      |                    | (a)               | 52.57               | (a)      | 3501.54                |
|        | 11/03/00      |                    | (a)               | 52.49               | (a)      | 3501.62                |
|        | 11/16/00      |                    | (a)               | 52.51               | (a)      | 3501.60                |
|        | 12/06/00      |                    | (a)               | 52.59               | (a)      | 3501.52                |
|        | 01/25/01      |                    | (a)               | 52.41               | (a)      | 3501.70                |
|        | 02/17/01*     |                    | (a)               | 52.55               | (a)      | 3501.56                |
|        | 02/23/01      |                    | 53.72             | 53.74               | 0.02     | 3500.39                |
|        | 03/30/01      |                    | (a)               | 52.26               | (a)      | 3501.85                |
|        | 08/15/01      |                    | (a)               | 52.16               | (a)      | 3501.95                |
|        | 02/27/02*     |                    | (a)               | 52.14               | (a)      | 3501.97                |
|        | 07/31/02*     |                    | (a)               | 51.93               | (a)      | 3502.18                |
|        | 02/13/03*     |                    | (a)               | 52.01               | (a)      | 3502.10                |
|        | 08/04/03*     |                    | (a)               | 51.81               | (a)      | 3502.30                |
|        | 05/24/04*     |                    | (a)               | 51.70               | (a)      | 3502.41                |
|        | 11/09/04*     |                    | (a)               | 50.90               | (a)      | 3503.21                |
|        | 04/11/05*     |                    | (a)               | 51.49               | (a)      | 3502.62                |
|        | 12/01/05*     |                    | (a)               | 50.86               | (a)      | 3503.25                |
|        | 05/10/06*     |                    | (a)               | 49.18               | (a)      | 3504.93                |
|        | 12/14/06*     |                    | (a)               | 48.76               | (a)      | 3505.35                |
|        | 06/20/07*     |                    | (a)               | 48.46               | (a)      | 3505.65                |
|        | 12/07/07*     |                    | (a)               | 48.21               | (a)      | 3505.90                |
|        | 05/30/08*     |                    | (a)               | 49.38               | (a)      | 3504.73                |
|        | 12/10/08*     |                    | (a)               | 49.86               | (a)      | 3504.25                |

**Table 2. Summary of Groundwater Surface Elevations at SVE Wells  
TW WT-1 Compressor Station Dehy Area**

| Well   | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|--------|---------------|--------------------|-------------------|---------------------|----------|------------------------|
| SVE-14 | 06/04/99      | 3554.83 (e)        | (a)               | 54.43               | (a)      | 3500.40                |
|        | 06/24/99      |                    | (a)               | 52.01               | (a)      | 3502.82                |
|        | 07/15/99      |                    | (a)               | 52.76               | (a)      | 3502.07                |
|        | 07/27/99      |                    | (a)               | 52.03               | (a)      | 3502.80                |
|        | 08/11/99*     |                    | (a)               | 54.13               | (a)      | 3500.70                |
|        | 08/26/99      |                    | (a)               | 52.40               | (a)      | 3502.43                |
|        | 09/14/99      |                    | (a)               | 52.61               | (a)      | 3502.22                |
|        | 09/28/99      |                    | (a)               | 52.36               | (a)      | 3502.47                |
|        | 10/07/99      |                    | (a)               | 52.14               | (a)      | 3502.69                |
|        | 10/21/99      |                    | (a)               | 54.37               | (a)      | 3500.46                |
|        | 11/11/99      |                    | (a)               | 53.09               | (a)      | 3501.74                |
|        | 11/30/99      |                    | (a)               | 51.51               | (a)      | 3503.32                |
|        | 12/14/99      |                    | (a)               | 51.16               | (a)      | 3503.67                |
|        | 12/30/99      |                    | (a)               | 53.32               | (a)      | 3501.51                |
|        | 01/13/00      |                    | (a)               | 53.51               | (a)      | 3501.32                |
|        | 01/25/00      |                    | (a)               | 51.42               | (a)      | 3503.41                |
|        | 02/03/00      |                    | (a)               | 51.28               | (a)      | 3503.55                |
|        | 02/13/00*     |                    | (a)               | 53.36               | (a)      | 3501.47                |
|        | 02/17/01*     |                    | (a)               | 53.31               | (a)      | 3501.52                |
|        | 08/21/00*     |                    | (a)               | 53.37               | (a)      | 3501.46                |
|        | 02/17/01*     |                    | (a)               | 53.31               | (a)      | 3501.52                |
|        | 08/15/01      |                    | (a)               | 52.95               | (a)      | 3501.88                |
|        | 02/27/02*     |                    | (a)               | 52.88               | sheen    | 3501.95                |
|        | 07/31/02*     |                    | (a)               | 52.67               | (a)      | 3502.16                |
|        | 02/13/03*     |                    | (a)               | 52.75               | sheen    | 3502.08                |
|        | 08/04/03*     |                    | 52.56             | 52.57               | 0.01     | 3502.27                |
|        | 05/24/04*     |                    | (a)               | 52.51               | (a)      | 3502.32                |
|        | 11/09/04*     |                    | (a)               | 51.65               | (a)      | 3503.18                |
|        | 04/11/05*     |                    | (a)               | 49.37               | (a)      | 3505.46                |
|        | 12/01/05*     |                    | 51.65             | 51.66               | 0.01     | 3503.18                |
|        | 05/10/06*     |                    | (a)               | 50.02               | (a)      | 3504.81                |
|        | 12/14/06*     |                    | (a)               | 49.56               | (a)      | 3505.27                |
|        | 06/20/07*     |                    | (a)               | 49.08               | (a)      | 3505.75                |
|        | 12/07/07*     |                    | Sheen             | 48.64               | (a)      | 3506.19                |
|        | 05/30/08*     |                    | Sheen             | 49.92               | (a)      | 3504.91                |
|        | 12/10/08*     |                    | Sheen             | 50.34               | (a)      | 3504.49                |

Notes:

- (a) Not Applicable
- (b) No elevation data available
- (c) Survey by John West Engineering, Hobbs, NM dated 11/94
- (d) Survey by John West Engineering, Hobbs, NM dated 02/22/96
- (e) Survey by Cypress Engineering, Houston, TX dated 08/11/99
- (f) SVE-3 plugged and abandoned on 12-01-04 by George Friend.

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |
| MW-9            | 11/21/94      | -                         | -          | -         | -                    | 12                          | < 0.5   | < 0.5        | < 0.5         |
|                 | 11/21/95      | -                         | 7.03       | 19.4      | 2,890                | 4                           | 3       | < 2          | 11            |
|                 | 02/22/96      | -                         | 6.48       | 22.2      | 2,980                | 13                          | < 2     | < 2          | < 2           |
|                 | 05/14/96      | -                         | -          | -         | -                    | 14                          | < 2     | < 2          | < 2           |
|                 | 08/12/96      | -                         | 6.79       | 27.0      | 3,090                | 14                          | < 2     | < 2          | < 3           |
|                 | 11/12/96      | -                         | 6.97       | 16.6      | -                    | 9                           | < 2     | < 2          | < 2           |
|                 | 02/05/97      | 3.0                       | 7.26       | 16.3      | 3,900                | 13                          | < 2     | < 2          | < 2           |
|                 | 08/05/97      | 1.8                       | 6.97       | 20.7      | 3,580                | 3                           | < 2     | < 2          | < 2           |
|                 | 02/24/98      | 4.2                       | 7.00       | 20.3      | 3,550                | 16.3                        | < 5     | < 5          | < 5           |
|                 | 08/05/98      | 2.2                       | 6.93       | 22.6      | 3,910                | 1.9                         | < 1     | < 1          | < 1           |
|                 | 02/12/99      | -                         | -          | -         | -                    | 6                           | < 1     | < 1          | < 1           |
|                 | 08/11/99      | 3.1                       | 6.9        | 21.0      | 3,230                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/13/00      | -                         | -          | -         | -                    | 3.0                         | < 1     | < 1          | < 1           |
|                 | 08/21/00 (a)  | -                         | -          | -         | -                    | 1.5                         | < 0.5   | 0.5          | 0.9           |
|                 | 02/17/01      | -                         | -          | -         | -                    | < 0.500                     | < 0.500 | < 0.500      | < 0.10        |
|                 | 08/15/01      | 2.6                       | 7.12       | 22.5      | 3,140                | 2.06                        | < 1     | < 1          | < 2           |
|                 | 02/27/02      | 3.6                       | 6.94       | 21.9      | 4,130                | 6                           | < 1     | < 1          | < 1           |
|                 | 08/01/02      | 3.7                       | 6.80       | 21.5      | 3,810                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 02/13/03      | 2.8                       | 6.98       | 22.7      | 4,310                | 0.86                        | < 0.50  | < 0.50       | < 0.50        |
|                 | 08/05/03      | 2.1                       | 6.91       | 23.3      | 3,830                | 0.60                        | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/24/04      | 2.7                       | 7.07       | 22.9      | 4,090                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 11/09/04*     | 3.3                       | 6.83       | 20.6      | 4,423                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 04/11/05      | -                         | -          | -         | -                    | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 12/01/05      | 4.6                       | 7.16       | 19.8      | 3,977                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/10/06      | 6.1                       | 6.98       | 21.0      | 4,104                | < 1                         | < 1     | < 1          | < 3           |
|                 | 12/14/06      | 5.5                       | 6.95       | 20.5      | 4,355                | < 1                         | < 1     | < 1          | < 3           |
|                 | 06/21/07      | 5.8                       | 7.18       | 20.9      | 4,132                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/07/07      | 4.9                       | 6.90       | 20.4      | 3,957                | < 1                         | < 1     | < 1          | < 2           |
|                 | 05/30/08      | 4.1                       | 7.38       | 21.7      | 4,002                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/11/08      | 4.6                       | 6.95       | 20.2      | 3,633                | < 1                         | < 1     | < 1          | < 2           |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |
| MW-10           | 11/18/94      | -                         | -          | -         | -                    | 9,000                       | 16,000  | 620          | 8,500         |
|                 | 08/05/98      | -                         | -          | -         | -                    | 4,000                       | 7,500   | 190          | 3,100         |
|                 | 02/12/99      | -                         | -          | -         | -                    | 4,300                       | 7,700   | 340          | 3,300         |
|                 | 11/18/99      | -                         | -          | -         | -                    | 3,400                       | 5,600   | 280          | 3,100         |
|                 | 02/13/00      | -                         | -          | -         | -                    | 4,800                       | 9,200   | 710          | 6,200         |
|                 | 06/20/00      | -                         | -          | -         | -                    | 3,700                       | 6,600   | 380          | 3,900         |
|                 | 08/15/01      | -                         | -          | -         | -                    | 4,590                       | 454     | 429          | 4,680         |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |        |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|--------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |        |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |        |
| MW-11           | 11/21/94      | (b)                       | -          | -         | -                    | -                           | -       | -            | -             |        |
|                 | 11/21/95      |                           | -          | -         | -                    | < 2                         | < 2     | < 2          | < 2           |        |
|                 | 02/22/96      |                           | -          | 7.34      | 21.9                 | 1,920                       | < 2     | < 2          | < 2           |        |
|                 | 05/14/96      |                           | -          | -         | -                    | -                           | < 2     | < 2          | < 2           |        |
|                 | 08/12/96      |                           | -          | 7.11      | 25.7                 | 2,050                       | < 2     | < 2          | < 2           | < 3    |
|                 | 11/11/96      |                           | 6.0        | 7.15      | 19.9                 | -                           | < 2     | < 2          | < 2           | < 2    |
|                 | 02/05/97      |                           | 7.0        | 7.56      | 14.8                 | 2,300                       | < 2     | < 2          | < 2           | < 2    |
|                 | 08/05/97      |                           | 5.3        | 7.19      | 21.2                 | 2,280                       | < 2     | < 2          | < 2           | < 2    |
|                 | 02/24/98      |                           | 6.5        | 7.35      | 18.8                 | 2,100                       | < 5     | < 5          | < 5           | < 5    |
|                 | 08/05/98      |                           | 7.2        | 7.15      | 20.4                 | 2,250                       | < 1     | < 1          | < 1           | < 1    |
|                 | 02/12/99      |                           | -          | -         | -                    | -                           | < 1     | < 1          | < 1           | < 1    |
|                 | 08/11/99      |                           | 8.8        | 7.42      | 20.8                 | 1,800                       | < 2     | < 2          | < 2           | < 2    |
|                 | 02/13/00      |                           | 6.6        | 7.83      | 19.6                 | 2,050                       | < 1     | < 1          | < 1           | < 1    |
|                 | 08/21/00      | (a)                       | 6.7        | 7.41      | 21.6                 | 1,720                       | < 0.5   | < 0.5        | < 0.5         | < 1    |
|                 | 02/17/01      |                           | -          | -         | -                    | -                           | < 0.500 | < 0.500      | < 0.500       | < 0.10 |
|                 | 08/15/01      |                           | 6.0        | 7.20      | 20.3                 | 1,932                       | < 1     | < 1          | < 1           | < 2    |
|                 | 02/27/02      |                           | 6.3        | 7.38      | 21.6                 | 2,020                       | < 1     | < 1          | < 1           | < 1    |
|                 | 08/01/02      |                           | 7.9        | 6.87      | 23.5                 | 1,700                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 02/13/03      |                           | 6.1        | 7.41      | 22.3                 | 1,960                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 08/05/03      |                           | 5.0        | 7.47      | 22.7                 | 1,660                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 05/24/04      |                           | 5.1        | 7.46      | 21.9                 | 1,780                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 11/09/04*     |                           | 5.8        | 7.14      | 20.2                 | 1,775                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 04/11/05      |                           | -          | -         | -                    | -                           | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 12/01/05      |                           | 5.8        | 7.46      | 19.5                 | 1,456                       | < 0.50  | < 0.50       | < 0.50        | < 0.50 |
|                 | 05/10/06      |                           | 7.3        | 7.36      | 20.1                 | 1,481                       | < 1     | < 1          | < 1           | < 3    |
|                 | 12/14/06      |                           | 7.3        | 7.28      | 20.0                 | 1,374                       | < 1     | < 1          | < 1           | < 3    |
|                 | 06/21/07      |                           | 7.4        | 6.99      | 20.3                 | 1,322                       | < 1     | < 1          | < 1           | < 2    |
|                 | 12/07/07      |                           | 6.7        | 7.26      | 20.0                 | 1,216                       | < 1     | < 1          | < 1           | < 2    |
|                 | 05/30/08      |                           | 7.0        | 6.92      | 21.1                 | 1,636                       | < 1     | < 1          | < 1           | < 2    |
|                 | 12/11/08      |                           | 6.2        | 7.24      | 19.4                 | 1,648                       | < 1     | < 1          | < 1           | < 2    |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |
| MW-12           | 11/17/94      | -                         | -          | -         | -                    | < 0.5                       | 1.9     | < 0.5        | 3.1           |
|                 | 11/21/95      | -                         | 6.97       | 19.2      | 3,260                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/22/96      | -                         | 6.71       | 22.6      | 3,400                | < 2                         | < 2     | < 2          | < 2           |
|                 | 05/14/96      | -                         | -          | -         | -                    | < 2                         | < 2     | < 2          | < 2           |
|                 | 08/12/96      | -                         | 6.70       | 26.8      | 3,430                | < 2                         | < 2     | < 2          | < 3           |
|                 | 11/12/96      | 6.0                       | 7.06       | 19.3      | -                    | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/05/97      | 7.0                       | 7.23       | 15.8      | 3,900                | < 2                         | < 2     | < 2          | < 2           |
|                 | 08/05/97      | 4.9                       | 6.85       | 21.8      | 3,880                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/24/98      | 6.0                       | 7.06       | 20.1      | 3,570                | < 5                         | < 5     | < 5          | < 5           |
|                 | 08/05/98      | 5.6                       | 6.96       | 22.1      | 3,830                | < 1                         | < 1     | < 1          | < 1           |
|                 | 02/12/99      | -                         | -          | -         | -                    | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/11/99      | 6.7                       | 7.13       | 20.7      | 3,770                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/13/00      | 5.4                       | 7.10       | 20.1      | 3,780                | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/21/00 (a)  | 6.7                       | 7.06       | 21.1      | 3,350                | < 0.5                       | 0.5     | 0.8          | 1.1           |
|                 | 02/17/01      | -                         | -          | -         | -                    | < 0.500                     | < 0.500 | < 0.500      | < 0.10        |
|                 | 08/15/01      | 4.5                       | 7.23       | 20.7      | 3,690                | < 1                         | < 1     | < 1          | < 2           |
|                 | 02/27/02      | 4.6                       | 7.01       | 22.4      | 4,030                | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/01/02      | 4.3                       | 6.84       | 21.4      | 3,580                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 02/13/03      | 4.3                       | 7.04       | 22.8      | 3,930                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 08/05/03      | 4.1                       | 7.05       | 23.4      | 3,380                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/24/04      | 4.1                       | 7.09       | 22.1      | 3,540                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 11/09/04*     | 4.2                       | 6.90       | 20.4      | 3,547                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 04/11/05      | -                         | -          | -         | -                    | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 12/01/05      | 3.5                       | 7.09       | 19.7      | 3,000                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/10/06      | 4.8                       | 6.75       | 20.5      | 3,128                | < 1                         | < 1     | < 1          | < 3           |
|                 | 12/14/06      | 4.2                       | 7.06       | 20.0      | 2,999                | < 1                         | < 1     | < 1          | < 3           |
|                 | 06/21/07      | 4.4                       | 7.11       | 20.4      | 3,049                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/07/07      | 4.0                       | 6.80       | 20.0      | 3,021                | < 1                         | < 1     | < 1          | < 2           |
|                 | 05/30/08      | 6.3                       | 6.59       | 21.8      | 3,106                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/11/08      | 3.5                       | 6.87       | 19.5      | 2,645                | < 1                         | < 1     | < 1          | < 2           |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |
| MW-13           | 12/01/94      | -                         | -          | -         | -                    | < 0.5                       | < 0.5   | < 0.5        | < 0.5         |
|                 | 11/21/95      | -                         | 7.63       | 20.3      | 1,530                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/22/96      | -                         | 7.18       | 24.1      | 1,880                | < 2                         | < 2     | < 2          | < 2           |
|                 | 05/14/96      | -                         | -          | -         | -                    | < 2                         | 3       | < 2          | 7             |
|                 | 08/12/96      | -                         | 7.02       | 26.7      | 1,980                | < 2                         | < 2     | < 2          | < 3           |
|                 | 11/11/96      | 4.0                       | 7.18       | 18.8      | -                    | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/05/97      | 7                         | 7.65       | 17.7      | 1,900                | < 2                         | < 2     | < 2          | < 2           |
|                 | 08/05/97      | 5.2                       | 7.38       | 21.1      | 1,830                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/24/98      | 4.5                       | 7.27       | 19.5      | 1,703                | < 5                         | < 5     | < 5          | < 5           |
|                 | 08/05/98      | 5.5                       | 7.28       | 20.30     | 1,840                | < 1                         | < 1     | < 1          | < 1           |
|                 | 02/12/99      | -                         | -          | -         | -                    | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/11/99      | 6.5                       | 7.42       | 20.6      | 1,700                | < 2                         | < 2     | < 2          | < 2           |
|                 | 02/13/00      | 5.2                       | 7.37       | 19.3      | 1,753                | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/21/00 (a)  | 6.4                       | 7.57       | 21.1      | 1,640                | 0.4                         | 0.5     | 2.3          | 2.9           |
|                 | 02/17/01      | -                         | -          | -         | -                    | < 0.500                     | < 0.500 | < 0.500      | < 0.10        |
|                 | 08/15/01      | 4.2                       | 7.42       | 20.6      | 1,646                | < 1                         | < 1     | < 1          | < 2           |
|                 | 02/27/02      | 4.1                       | 7.33       | 21.7      | 1,804                | < 1                         | < 1     | < 1          | < 1           |
|                 | 08/01/02      | 4.5                       | 6.90       | 20.7      | 1,600                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 02/13/03      | 4.2                       | 7.37       | 22.3      | 1,803                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 08/05/03      | 4.6                       | 7.42       | 22.5      | 1,620                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/24/04      | 4.4                       | 7.43       | 22.0      | 1,800                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 11/09/04*     | 4.8                       | 7.11       | 20.0      | 1,979                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 04/11/05      | -                         | -          | -         | -                    | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 12/01/05      | 3.6                       | 7.26       | 18.8      | 1,928                | < 0.50                      | < 0.50  | < 0.50       | < 0.50        |
|                 | 05/10/06      | 5.2                       | 7.14       | 20.5      | 2,427                | < 1                         | < 1     | < 1          | < 3           |
|                 | 12/14/06      | 2.0                       | 6.93       | 19.7      | 2,710                | < 1                         | < 1     | < 1          | < 3           |
|                 | 06/21/07      | 1.9                       | 6.99       | 20.2      | 2,921                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/07/07      | 1.5                       | 6.80       | 19.9      | 3,130                | < 1                         | < 1     | < 1          | < 2           |
|                 | 05/30/08      | 1.6                       | 7.49       | 20.9      | 3,424                | < 1                         | < 1     | < 1          | < 2           |
|                 | 12/11/08      | 1.0                       | 6.84       | 19.3      | 2,994                | < 1                         | < 1     | < 1          | < 2           |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |
| SVE-13          | 02/13/00      | -                         | -          | -         | -                    | 1,300                       | 1,800   | 270          | 1,900         |
|                 | 06/20/00      | -                         | -          | -         | -                    | 1,600                       | 2,300   | 170          | 2,100         |
| @ 1 well vol    | 08/21/00      | (a)                       | -          | -         | -                    | 110                         | 140     | 91           | 390           |
|                 | 08/21/00      | (a)                       | -          | -         | -                    | 240                         | 370     | 110          | 1,000         |
| @ 1 well vol    | 02/18/01      | -                         | -          | -         | -                    | 968                         | 789     | 93.2         | 831           |
|                 | 02/18/01      | -                         | -          | -         | -                    | 1,170                       | 1,110   | 124          | 1,240         |
| (Dup MW-17)     | 02/18/01      | -                         | -          | -         | -                    | 860                         | 613     | 96.2         | 864           |
|                 | 08/15/01      | -                         | -          | -         | -                    | 773                         | 60.1    | 73.1         | 520.3         |
|                 | 02/28/02      | -                         | -          | -         | -                    | 614                         | < 50    | < 50         | 1,670         |
| (Dup MW-24)     | 02/28/02      | -                         | -          | -         | -                    | 686                         | 604     | 619          | 1,670         |
|                 | 08/01/02      | -                         | -          | -         | -                    | 720                         | < 10    | 74           | 220           |
|                 | 02/13/03      | -                         | -          | -         | -                    | 760                         | < 10    | 120          | 300           |
|                 | 08/05/03      | -                         | -          | -         | -                    | 1,100                       | < 10    | 93           | 250           |
|                 | 05/24/04      | -                         | -          | -         | -                    | 620                         | 21      | 73           | 230           |
|                 | 11/09/04*     | -                         | -          | -         | -                    | 920                         | < 20    | 150          | 260           |
|                 | 04/11/05      | -                         | -          | -         | -                    | 800                         | 4.8     | 120          | 160           |
|                 | 12/01/05      | -                         | -          | -         | -                    | 590                         | 9.5     | 110          | 150           |
|                 | 05/11/06      | -                         | -          | -         | -                    | 640                         | < 10    | 120          | 67            |
|                 | 12/14/06      | -                         | -          | -         | -                    | 540                         | 12      | 110          | 72            |
|                 | 06/21/07      | -                         | -          | -         | -                    | 710                         | < 10    | 160          | 76            |
|                 | 12/07/07      | -                         | -          | -         | -                    | 580                         | 7.5     | 160          | 79            |
|                 | 05/30/08      | -                         | -          | -         | -                    | 280                         | 2.8     | 33           | 75            |
|                 | 12/11/08      | -                         | -          | -         | -                    | 510                         | < 10    | 97           | 30            |

**Table 3. Summary of Groundwater Analyses  
TW WT-1 Compressor Station Dehy Area**

| Well            | Sampling Date | Field Measured Parameters |            |           |                      | BTEX Concentration - (ug/L) |         |              |               |       |
|-----------------|---------------|---------------------------|------------|-----------|----------------------|-----------------------------|---------|--------------|---------------|-------|
|                 |               | DO (mg/L)                 | pH (Units) | Temp. (C) | Conductivity (us/cm) | Benzene                     | Toluene | Ethylbenzene | Total Xylenes |       |
| NMWQCC Standard |               | none                      | 6-9        | none      | none                 | 10                          | 750     | 750          | 620           |       |
| SVE-14          | 09/08/99      | 1.2                       | 6.89       | 22.0      | 2,460                | 1,600                       | 1,200   | 360          | 1,300         |       |
|                 | 11/18/99      | -                         | -          | -         | -                    | 1,400                       | 560     | 400          | 970           |       |
|                 | 02/13/00      | -                         | -          | -         | -                    | 3,000                       | 4,200   | 510          | 3,000         |       |
|                 | 06/20/00      | -                         | -          | -         | -                    | 1,600                       | 2,300   | 330          | 2,400         |       |
|                 | @ 1 well vol  | 08/21/00 (a)              | -          | -         | -                    | -                           | 1,600   | 1,900        | 440           | 2,430 |
|                 | 08/21/00 (a)  | 5.6                       | 7.25       | 22.8      | 2830                 | 2,100                       | 2,900   | 380          | 2,620         |       |
|                 | @ 1 well vol  | 02/18/01                  | -          | -         | -                    | -                           | 819     | 1,130        | 297           | 1,900 |
|                 | 02/18/01      | -                         | -          | -         | -                    | 3,740                       | 5,910   | 344          | 3,880         |       |
|                 | (Dup MW-18)   | 02/18/01                  | -          | -         | -                    | -                           | 2,150   | 3,290        | 445           | 2,910 |
|                 | 08/15/01      | -                         | -          | -         | -                    | -                           | 369     | 1,520        | 632           | 6,440 |
| 08/01/02        | -             | -                         | -          | -         | -                    | 3,000                       | 2,900   | 380          | 4,100         |       |
| 05/24/04        | -             | -                         | -          | -         | -                    | 260                         | 340     | 260          | 1,800         |       |

NOTES:

- (a) Trip Blank contained low concentrations of BTEX constituents.
- (b) No sample collected due to insufficient volume of water in well.
- (c) @ 1 well vol - Sample collected after purging 1 casing volume. All other samples were collected after purging 3 casing volumes.
- (d) Dup MW-17 - Blind duplicate sample collected and labeled as MW-17.

**Table 4. Summary of SVE Vapor Concentration Monitoring  
TW WT-1 Compressor Station Dehy Area**

| SVE Well      | Date        | Gasoline<br>Range VOCs |                       | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---------------|-------------|------------------------|-----------------------|------|-------|-------|-------|-------|--------|---------|---------|---------|------|
|               |             | (ug/L)                 | (ppmv) <sup>(c)</sup> | (%)  |       |       |       |       |        |         |         |         |      |
| Combined Flow |             |                        |                       |      |       |       |       |       |        |         |         |         |      |
| (Core Lab)    | 02/10/97    |                        | 6,240                 |      |       |       |       |       |        |         |         |         |      |
|               | 03/20/97    | 6,600                  | 1,639                 | 0.0  | 2.7   | 29.3  | 32.1  | 23.2  | 9.2    | 3.0     | 0.4     | 0.1     | 0.0  |
| (Core Lab)    | 03/20/97    |                        | 1,740                 |      |       |       |       |       |        |         |         |         |      |
|               | 08/06/97    | 5,000                  | 1,242                 | 0.3  | 4.0   | 21.2  | 34.8  | 25.3  | 10.2   | 3.5     | 0.7     | 0.0     | 0.0  |
|               | 12/30/97    | 7,300                  | 1,813                 | 0.0  | 2.4   | 13.6  | 35.0  | 29.0  | 16.9   | 2.6     | 0.4     | 0.1     | 0.0  |
|               | 08/05/98    | 6,500                  | 1,615                 | 0.0  | 1.3   | 15.4  | 32.2  | 30.5  | 13.7   | 5.2     | 1.3     | 0.4     | 0.0  |
|               | 08/12/98    | 5,300                  | 1,317                 | 0.0  | 1.5   | 8.9   | 30.9  | 30.5  | 22.5   | 4.7     | 0.9     | 0.1     | 0.0  |
| (dup)         | 08/12/98    | 5,000                  | 1,242                 | 0.1  | 1.5   | 8.8   | 31.8  | 32.9  | 18.0   | 5.0     | 1.4     | 0.4     | 0.1  |
|               | 04/13/99    | 6,800                  | 1,689                 | 0.0  | 1.2   | 8.0   | 28.5  | 32.7  | 23.6   | 3.9     | 1.8     | 0.3     | 0.0  |
|               | 12/07/99    | 4,800                  | 1,192                 | 0.1  | 6.2   | 17.6  | 31.8  | 28.8  | 10.0   | 4.2     | 0.9     | 0.2     | 0.2  |
| (dup)         | 12/07/99    | 4,900                  | 1,217                 | 0.1  | 6.2   | 17.5  | 32.3  | 28.6  | 9.7    | 4.2     | 1.1     | 0.3     | 0.0  |
|               | 05/22/00(d) | 3,700                  | 919                   | 0.0  | 3.8   | 13.4  | 35.0  | 28.7  | 12.4   | 4.7     | 0.8     | 0.6     | 0.6  |
| (dup)         | 05/22/00(d) | 6,300                  | 1,565                 | 0.0  | 3.2   | 12.1  | 34.1  | 31.5  | 11.4   | 5.4     | 1.6     | 0.6     | 0.1  |
|               | 06/15/00(d) | 3,000                  | 745                   | 0.1  | 3.9   | 16.6  | 37.7  | 29.8  | 8.6    | 2.1     | 0.6     | 0.1     | 0.5  |
| (dup)         | 06/15/00(d) | 3,700                  | 919                   | 0.1  | 3.3   | 15.4  | 32.6  | 29.8  | 10.9   | 5.8     | 1.6     | 0.4     | 0.1  |
|               | 08/21/00(d) | 3,900                  | 969                   | 0.0  | 2.9   | 12.2  | 28.7  | 30.0  | 15.4   | 7.9     | 2.4     | 0.5     | 0.0  |
|               | 06/10/02(d) | 3,630                  | 902                   | 0.0  | 1.3   | 8.3   | 27.1  | 30.8  | 24.6   | 4.8     | 2.6     | 0.5     | 0.0  |
| (dup)         | 06/10/02(d) | 3,440                  | 854                   | 0.0  | 1.4   | 8.4   | 27.9  | 31.6  | 24.3   | 4.2     | 2.1     | 0.1     | 0.0  |
|               | 08/09/02(d) | 551                    | 137                   | 0.0  | 4.3   | 18.9  | 31.5  | 23.8  | 10.3   | 3.5     | 2.2     | 2.9     | 2.6  |
| (dup)         | 08/09/02(d) | 543                    | 135                   | 0.0  | 4.6   | 20.6  | 34.0  | 25.1  | 10.3   | 3.2     | 1.5     | 0.3     | 0.4  |
|               | 05/02/03(d) | 3,450                  | 857                   | 0.3  | 3.3   | 14.6  | 29.3  | 19.8  | 24.4   | 5.4     | 2.8     | 0.1     | 0.0  |
| (dup)         | 05/02/03(d) | 2,740                  | 681                   | 0.3  | 3.4   | 15.3  | 30.3  | 20.0  | 23.4   | 4.8     | 2.4     | 0.1     | 0.0  |
|               | 07/25/03(d) | 665                    | 165                   | 0.0  | 2.8   | 17.2  | 28.3  | 34.4  | 15.4   | 1.7     | 0.2     | 0.0     | 0.0  |
| (dup)         | 07/25/03(d) | 1,550                  | 385                   | 0.0  | 2.0   | 11.7  | 23.6  | 36.4  | 21.1   | 4.2     | 1.0     | 0.0     | 0.0  |
|               | 08/21/03(d) | 2,590                  | 643                   | 0.0  | 4.7   | 20.1  | 16.0  | 26.0  | 25.8   | 6.1     | 1.2     | 0.1     | 0.0  |
|               | 04/20/04(d) | 2,750                  | 683                   | 0.5  | 3.4   | 13.8  | 21.4  | 38.3  | 15.7   | 5.9     | 0.9     | 0.1     | 0.0  |
| (dup)         | 04/20/04(d) | 2,740                  | 681                   | 0.6  | 3.7   | 15.1  | 23.6  | 31.3  | 17.7   | 6.5     | 1.1     | 0.3     | 0.1  |
|               | 08/30/04(d) | 2,590                  | 643                   | 2.7  | 5.2   | 15.9  | 29.3  | 24.5  | 15.3   | 5.9     | 1.2     | 0.0     | 0.0  |
| (dup)         | 08/30/04(d) | 2,110                  | 524                   | 0.7  | 3.1   | 13.2  | 29.8  | 27.1  | 17.5   | 6.7     | 1.5     | 0.3     | 0.1  |
|               | 08/08/05(d) | 2,060                  | 512                   | 0.8  | 2.8   | 11.8  | 25.3  | 27.7  | 20.3   | 7.5     | 2.8     | 1.0     | 0.0  |
| (dup)         | 08/08/05(d) | 2,440                  | 606                   | 0.8  | 2.6   | 11.2  | 26.1  | 28.8  | 21.8   | 6.3     | 2.0     | 0.4     | 0.0  |
|               | 11/14/05(d) | 1,620                  | 402                   | 0.8  | 3.6   | 10.9  | 30.8  | 27.0  | 16.1   | 7.5     | 2.9     | 0.4     | 0.0  |
| (dup)         | 11/14/05(d) | 1,830                  | 455                   | 0.7  | 3.2   | 10.0  | 29.4  | 27.4  | 17.3   | 8.1     | 3.2     | 0.7     | 0.0  |
|               | 09/18/06(e) | 1,250                  | 311                   | 1.7  | 4.2   | 15.1  | 29.2  | 27.0  | 15.6   | 6.0     | 1.2     | 0.0     | 0.0  |
| (dup)         | 09/18/06(e) | 1,300                  | 323                   | 1.8  | 4.4   | 15.7  | 29.9  | 27.4  | 14.7   | 5.4     | 0.7     | 0.0     | 0.0  |
|               | 07/01/08(f) | 1,400                  | 348                   | 0.8  | 2.9   | 8.3   | 21.6  | 28.9  | 22.7   | 13.1    | 1.7     | 0.0     | 0.0  |
| (dup)         | 07/01/08(f) | 1,370                  | 340                   | 0.7  | 2.9   | 8.2   | 20.8  | 26.8  | 25.4   | 13.2    | 2.0     | 0.0     | 0.0  |

Notes:

(a) All air samples analyzed by Hall Laboratory of Albuquerque, NM

(b) PID = Photoionization detector

(c) Conversion Factor:

$$P = 0.88 \text{ atm, MW} = 110 \text{ g/mole, } R = 0.08205 \text{ L}^* \text{atm}/(\text{K}^* \text{mole}), T = 293\text{oK}$$

$$C \text{ ppmv} = C \text{ ug/L} * ((R * T) / (\text{MW} * P))$$

$$C \text{ ppmv} = C \text{ ug/L} * 0.2484$$

(d) Total Flow analysis included wells SVE-11, 12, 13, 14 & MW-10

(e) Total Flow analysis included wells SVE-6, 11, 12, 14 & MW-10

**Table 5. Summary of Completion Details for Soil Borings Completed as Wells**  
**TWP WT-1 Compressor Station Dehy Area**

| Well          | Source <sup>a</sup> | 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) |
|---------------|---------------------|--------------------|--------------------------------|---------------|--------------|--------------------------------|--------------------------------------|-------------------------|-----------------------|--------------------------|---------------------------|
| MW-9          | Eades Drig/DBS      | 11/18/94           | 3557.31 (b)                    | -1209.40      | -1254.20     | 60.5                           | na                                   | Flush Mount             | 2                     | 44-59                    | 40.5                      |
| MW-10         | Eades Drig/DBS      | 11/17/94           | 3553.45 (b)                    | -986.60       | -1342.10     | 62.5                           | 63.57                                | Flush Mount             | 2                     | 47.5-62.5                | 43.5                      |
| MW-11         | Eades Drig/DBS      | 11/21/94           | 3547.84 (b)                    | -864.70       | -1562.50     | 65.0                           | 59.78                                | Flush Mount             | 2                     | 45-60                    | 38.5                      |
| MW-12         | Eades Drig/DBS      | 11/16/94           | 3551.19 (b)                    | -818.40       | -1192.90     | 60.0                           | 60.11                                | Flush Mount             | 2                     | 45-60                    | 42.3                      |
| MW-13         | Eades Drig/DBS      | 11/16/94           | 3547.78 (b)                    | -708.90       | -1359.20     | 58.0                           | 57.52                                | Flush Mount             | 2                     | 43-58                    | 39.5                      |
| SVE-1         | Eades Drig/DBS      | 10/04/95           | 3551.22 (d)                    | -903.90       | -1406.60     | 55.0                           | 54.49                                | Flush Mount             | 2                     | 35-55                    | 32.9                      |
| SVE-2         | Eades Drig/DBS      | 10/05/95           | 3551.96 (d)                    | -901.70       | -1325.80     | 53.0                           | 52.75                                | Flush Mount             | 2                     | 33-53                    | 30.8                      |
| SVE-3         | Eades Drig/DBS      | 10/05/95           | 3552.75 (d)                    | -888.70       | -1245.80     | 55.0                           | 55.30                                | Flush Mount             | 2                     | 35-55                    | 32.6                      |
| SVE-3 P&A     | CES                 | 12/01/04           | --                             | --            | --           | --                             | --                                   | --                      | --                    | --                       | --                        |
| SVE-4         | Eades Drig/DBS      | 10/04/95           | 3553.03 (c)                    | -989.20       | -1359.10     | 55.0                           | na                                   | Flush Mount             | 2                     | 30-55                    | 27.9                      |
| SVE-4 P&A (e) | GPI/CES             | 05/25/99           | --                             | --            | --           | --                             | --                                   | --                      | --                    | --                       | --                        |
| SVE-5         | Eades Drig/DBS      | 10/04/95           | 3554.39 (d)                    | -986.40       | -1275.10     | 52.7                           | 52.11                                | Flush Mount             | 2                     | 32.7-52.7                | 30.0                      |
| SVE-6         | Eades Drig/DBS      | 10/05/95           | 3553.74 (d)                    | -984.10       | -1198.40     | 55.0                           | 54.29                                | Flush Mount             | 2                     | 35-55                    | 32.8                      |
| SVE-7         | Eades Drig/DBS      | 10/04/95           | 3553.81 (d)                    | -1071.00      | 1402.50      | 58.0                           | 57.68                                | Flush Mount             | 2                     | 33-58                    | 31.8                      |
| SVE-8         | Eades Drig/DBS      | 10/05/95           | 3555.25 (d)                    | -1072.80      | -1314.70     | 56.5                           | 56.76                                | Flush Mount             | 2                     | 36.5-56.5                | 34.8                      |
| SVE-9         | Eades Drig/DBS      | 10/05/95           | 3555.36 (d)                    | -1073.10      | -1249.20     | 56.2                           | 55.90                                | Flush Mount             | 2                     | 36.2-56.2                | 34.2                      |
| SVE-10 (e)    | GPI/CES             | 05/25/99           | 3554.40 (d)                    | -989.58       | -1359.42     | 66.6                           | 64.46                                | Flush Mount             | 4                     | 47.5-62.5                | 42.7                      |
| SVE-11        | GPI/CES             | 05/14/99           | 3555.33 (d)                    | -986.39       | -1269.94     | 63.4                           | 63.93                                | Flush Mount             | 4                     | 47.5-62.5                | 44.5                      |
| SVE-12        | GPI/CES             | 05/14/99           | 3555.64 (d)                    | -985.74       | -1307.78     | 63.5                           | 63.55                                | Flush Mount             | 4                     | 47.5-62.5                | 42.7                      |
| SVE-13        | GPI/CES             | 05/10/99           | 3554.11 (d)                    | -954.94       | -1314.42     | 64.8                           | 63.21                                | Flush Mount             | 4                     | 47.5-62.5                | 42.3                      |
| SVE-14        | GPI/CES             | 05/14/99           | 3554.83 (d)                    | -960.46       | -1248.58     | 63.4                           | 63.97                                | Flush Mount             | 4                     | 47.5-62.5                | 43.5                      |

**NOTES:**

- (a) Driller/Consultant
- (b) Survey by John West Engineering on 11/94
- (c) Survey by John West Engineering on 2/96
- (d) Survey by Cypress Engineering on 8/99
- (e) SVE-10 is an overdrill of SVE-4
- na - Information not available

**Table 6. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan  
TW WT-1 Compressor Station Dehy Area**

| Well ID                                                                         | Analytical Requirements<br>for Annual Event | Benzene (ppb)<br>Latest Result | Comments                    |
|---------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|-----------------------------|
| MW-9                                                                            | BTEX                                        | < 1                            |                             |
| MW-10                                                                           | BTEX                                        | na                             | contains PSH                |
| MW-11                                                                           | BTEX                                        | < 1                            | clean downgradient well     |
| MW-12                                                                           | BTEX                                        | < 1                            | clean downgradient well     |
| MW-13                                                                           | BTEX                                        | < 1                            | clean downgradient well     |
| SVE-13                                                                          | BTEX                                        | 510                            |                             |
| SVE-14                                                                          | BTEX                                        | na                             | contains PSH intermittently |
| Notes:<br>1) na - not available<br>2) BTEX - BTEX Compounds by EPA Method 8021B |                                             |                                |                             |



**HALL  
ENVIRONMENTAL  
ANALYSIS  
LABORATORY**

## COVER LETTER

Wednesday, June 11, 2008

Sandra Sharp  
Cypress Engineering  
7171 Highway 6 North  
Suite 102  
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP WT-1 Station DEHY GW 2008

Order No.: 0806051

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 6/4/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001



**Hall Environmental Analysis Laboratory, Inc.**

Date: 11-Jun-08

**CLIENT:** Cypress Engineering  
**Project:** TWP WT-1 Station DEHY Area GW Sampling**Lab Order:** 0806051**Lab ID:** 0806051-01**Collection Date:** 5/30/2008 2:40:00 PM**Client Sample ID:** MW-12**Matrix:** AQUEOUS

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed       |
|------------------------------------|--------|----------|------|-------|----|---------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | <b>Analyst: NSB</b> |
| Benzene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 4:36:05 PM |
| Toluene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 4:36:05 PM |
| Ethylbenzene                       | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 4:36:05 PM |
| Xylenes, Total                     | ND     | 2.0      |      | µg/L  | 1  | 6/9/2008 4:36:05 PM |
| Surr: 4-Bromofluorobenzene         | 92.0   | 68.9-122 |      | %REC  | 1  | 6/9/2008 4:36:05 PM |

**Lab ID:** 0806051-02**Collection Date:** 5/30/2008 3:12:00 PM**Client Sample ID:** MW-9**Matrix:** AQUEOUS

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed       |
|------------------------------------|--------|----------|------|-------|----|---------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | <b>Analyst: NSB</b> |
| Benzene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:06:15 PM |
| Toluene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:06:15 PM |
| Ethylbenzene                       | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:06:15 PM |
| Xylenes, Total                     | ND     | 2.0      |      | µg/L  | 1  | 6/9/2008 5:06:15 PM |
| Surr: 4-Bromofluorobenzene         | 90.9   | 68.9-122 |      | %REC  | 1  | 6/9/2008 5:06:15 PM |

**Lab ID:** 0806051-03**Collection Date:** 5/30/2008 3:30:00 PM**Client Sample ID:** MW-11**Matrix:** AQUEOUS

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed       |
|------------------------------------|--------|----------|------|-------|----|---------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | <b>Analyst: NSB</b> |
| Benzene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:36:21 PM |
| Toluene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:36:21 PM |
| Ethylbenzene                       | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 5:36:21 PM |
| Xylenes, Total                     | ND     | 2.0      |      | µg/L  | 1  | 6/9/2008 5:36:21 PM |
| Surr: 4-Bromofluorobenzene         | 93.3   | 68.9-122 |      | %REC  | 1  | 6/9/2008 5:36:21 PM |

**Lab ID:** 0806051-04**Collection Date:** 5/30/2008 3:35:00 PM**Client Sample ID:** MW-13**Matrix:** AQUEOUS

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed       |
|------------------------------------|--------|----------|------|-------|----|---------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | <b>Analyst: NSB</b> |
| Benzene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 6:06:32 PM |
| Toluene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 6:06:32 PM |
| Ethylbenzene                       | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 6:06:32 PM |
| Xylenes, Total                     | ND     | 2.0      |      | µg/L  | 1  | 6/9/2008 6:06:32 PM |
| Surr: 4-Bromofluorobenzene         | 99.0   | 68.9-122 |      | %REC  | 1  | 6/9/2008 6:06:32 PM |

**Qualifiers:** \* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 11-Jun-08

**CLIENT:** Cypress Engineering  
**Project:** TWP WT-1 Station DEHY Area GW Sampling**Lab Order:** 0806051**Lab ID:** 0806051-05**Collection Date:** 5/30/2008 4:15:00 PM**Client Sample ID:** SVE-13**Matrix:** AQUEOUS

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|------------------------------------|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | Analyst: NSB          |
| Benzene                            | 280    | 10       |      | µg/L  | 10 | 6/9/2008 6:39:16 PM   |
| Toluene                            | 2.8    | 1.0      |      | µg/L  | 1  | 6/10/2008 12:07:05 PM |
| Ethylbenzene                       | 33     | 1.0      |      | µg/L  | 1  | 6/10/2008 12:07:05 PM |
| Xylenes, Total                     | 75     | 2.0      |      | µg/L  | 1  | 6/10/2008 12:07:05 PM |
| Surr: 4-Bromofluorobenzene         | 111    | 68.9-122 |      | %REC  | 1  | 6/10/2008 12:07:05 PM |

**Lab ID:** 0806051-06**Collection Date:****Client Sample ID:** TRIP BLANK**Matrix:** TRIP BLANK

| Analyses                           | Result | PQL      | Qual | Units | DF | Date Analyzed       |
|------------------------------------|--------|----------|------|-------|----|---------------------|
| <b>EPA METHOD 8021B: VOLATILES</b> |        |          |      |       |    | Analyst: NSB        |
| Benzene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 7:09:21 PM |
| Toluene                            | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 7:09:21 PM |
| Ethylbenzene                       | ND     | 1.0      |      | µg/L  | 1  | 6/9/2008 7:09:21 PM |
| Xylenes, Total                     | ND     | 2.0      |      | µg/L  | 1  | 6/9/2008 7:09:21 PM |
| Surr: 4-Bromofluorobenzene         | 92.9   | 68.9-122 |      | %REC  | 1  | 6/9/2008 7:09:21 PM |

**Qualifiers:** \* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

## QA/QC SUMMARY REPORT

Client: Cypress Engineering  
 Project: TWP WT-1 Station DEHY Area GW Sampling

Work Order: 0806051

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|

Method: EPA Method 8021B: Volatiles

Sample ID: 0806051-01A MSD

MSD

Batch ID: R28852

Analysis Date: 6/9/2008 8:09:42 PM

|                |       |      |     |      |      |     |       |    |  |
|----------------|-------|------|-----|------|------|-----|-------|----|--|
| Benzene        | 17.55 | µg/L | 1.0 | 87.7 | 85.9 | 113 | 0.148 | 27 |  |
| Toluene        | 18.00 | µg/L | 1.0 | 90.0 | 86.4 | 113 | 0.620 | 19 |  |
| Ethylbenzene   | 18.06 | µg/L | 1.0 | 90.3 | 83.5 | 118 | 0.530 | 10 |  |
| Xylenes, Total | 54.08 | µg/L | 2.0 | 90.1 | 83.4 | 122 | 0.248 | 13 |  |

Sample ID: 5ML RB

MBLK

Batch ID: R28852

Analysis Date: 6/9/2008 12:34:56 PM

|                |    |      |     |  |  |  |  |  |  |
|----------------|----|------|-----|--|--|--|--|--|--|
| Benzene        | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Toluene        | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Ethylbenzene   | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Xylenes, Total | ND | µg/L | 2.0 |  |  |  |  |  |  |

Sample ID: 5ML RB

MBLK

Batch ID: R28877

Analysis Date: 6/10/2008 9:36:14 AM

|                |    |      |     |  |  |  |  |  |  |
|----------------|----|------|-----|--|--|--|--|--|--|
| Benzene        | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Toluene        | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Ethylbenzene   | ND | µg/L | 1.0 |  |  |  |  |  |  |
| Xylenes, Total | ND | µg/L | 2.0 |  |  |  |  |  |  |

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R28852

Analysis Date: 6/9/2008 9:39:56 PM

|                |       |      |     |      |      |     |  |  |  |
|----------------|-------|------|-----|------|------|-----|--|--|--|
| Benzene        | 18.32 | µg/L | 1.0 | 91.6 | 85.9 | 113 |  |  |  |
| Toluene        | 18.15 | µg/L | 1.0 | 90.7 | 86.4 | 113 |  |  |  |
| Ethylbenzene   | 18.24 | µg/L | 1.0 | 91.2 | 83.5 | 118 |  |  |  |
| Xylenes, Total | 54.60 | µg/L | 2.0 | 91.0 | 83.4 | 122 |  |  |  |

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R28877

Analysis Date: 6/10/2008 6:50:34 PM

|                |       |      |     |      |      |     |  |  |  |
|----------------|-------|------|-----|------|------|-----|--|--|--|
| Benzene        | 18.63 | µg/L | 1.0 | 93.2 | 85.9 | 113 |  |  |  |
| Toluene        | 18.61 | µg/L | 1.0 | 93.0 | 86.4 | 113 |  |  |  |
| Ethylbenzene   | 18.57 | µg/L | 1.0 | 92.8 | 83.5 | 118 |  |  |  |
| Xylenes, Total | 55.89 | µg/L | 2.0 | 93.1 | 83.4 | 122 |  |  |  |

Sample ID: 0806051-01A MS

MS

Batch ID: R28852

Analysis Date: 6/9/2008 7:39:36 PM

|                |       |      |     |      |      |     |  |  |  |
|----------------|-------|------|-----|------|------|-----|--|--|--|
| Benzene        | 17.57 | µg/L | 1.0 | 87.9 | 85.9 | 113 |  |  |  |
| Toluene        | 18.11 | µg/L | 1.0 | 90.6 | 86.4 | 113 |  |  |  |
| Ethylbenzene   | 18.16 | µg/L | 1.0 | 90.8 | 83.5 | 118 |  |  |  |
| Xylenes, Total | 53.95 | µg/L | 2.0 | 89.9 | 83.4 | 122 |  |  |  |

## Qualifiers:

E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name CYP

Date Received:

6/4/2008

Work Order Number 0806051

Received by: TLS

Checklist completed by:

*Janyc Shomin*

Signature

6/4/08

Date

Sample ID labels checked by:

*AS*  
Initials

Matrix:

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

3°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

# Chain-of-Custody Record

Client: Cypress Engineering Services  
 Attn: George Robinson, PE  
 Address: 1711 Highway 6 North  
Suite 102, Houston TX 77058  
 Phone #: 281-797-3420  
 email or Fax: 281-797-1861  
 QA/QC Package: George Robinson - Cypress Inc.  
☒ Standard ☐ Level 4 (Full Validation)  
☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

| Date    | Time | Sample Request ID |
|---------|------|-------------------|
| 5/30/08 | 1440 | MW-12             |
| 5/30/08 | 1512 | MW-9              |
| 5/30/08 | 1530 | MW-11             |
| 5/30/08 | 1535 | MW-13             |
| 5/30/08 | 1615 | SVE-13            |

Relinquished by: [Signature] Date: 5/30/08 Time: 1400  
 Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Turn-Around Time: \_\_\_\_\_  
☒ Standard ☐ Rush  
 Project Name: Twp WT-1 Station  
DeHy Area GW Sample - 2008  
 Project #: MONITOR WELL  
SAMPLING TWP WT-1  
DEHY AREA - 2008  
 Project Manager: Sandy Sharp  
 Sampler: CM Barnhill, PE

| Container Type and # | Preservative Type | HEAL No. |
|----------------------|-------------------|----------|
| 3x40mL Vials         | HAL               | 0306051  |
| 3x40mL Vials         | HAL               | 1        |
| 3x40mL Vials         | HAL               | 2        |
| 3x40mL Vials         | HAL               | 3        |
| 3x40mL Vials         | HAL               | 4        |
| 3x40mL Vials         | HAL               | 5        |

Received by: 04/10/08 910  
 Received by: [Signature]

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

|                                                                                        |  |
|----------------------------------------------------------------------------------------|--|
| BTEX + MTBE + TMBs (8021)                                                              |  |
| BTEX + MTBE + TPH (Gas only)                                                           |  |
| TPH Method 8015B (Gas/Diesel)                                                          |  |
| TPH (Method 418.1)                                                                     |  |
| EDB (Method 504.1)                                                                     |  |
| EDC (Method 8260)                                                                      |  |
| 8310 (PNA or PAH)                                                                      |  |
| Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> ) |  |
| 8081 Pesticides / 8082 PCB's                                                           |  |
| 8260B (VOA)                                                                            |  |
| 8270 (Semi-VOA)                                                                        |  |
| Air Bubbles (Y or N)                                                                   |  |

Remarks: Any questions please call  
Sandy Sharp @  
281-797-3421

## COVER LETTER

Friday, December 19, 2008

George Robinson  
Cypress Engineering  
7171 Highway 6 North  
Suite 102  
Houston, TX 770952422

TEL: (281) 797-3420  
FAX (281) 859-1881

RE: TWP WT-1 Station DEHY

Order No.: 0812271

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 12/15/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001  
Texas Lab# T104704424-08-TX



## Hall Environmental Analysis Laboratory, Inc.

Date: 19-Dec-08

CLIENT: Cypress Engineering  
Project: TWP WT-1 Station DEHY

Lab Order: 0812271

Lab ID: 0812271-01

Collection Date: 12/11/2008 11:00:00 AM

Client Sample ID: MW-12

Matrix: AQUEOUS

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed          |
|-----------------------------|--------|----------|------|-------|----|------------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM           |
| Benzene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 12:43:38 PM |
| Toluene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 12:43:38 PM |
| Ethylbenzene                | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 12:43:38 PM |
| Xylenes, Total              | ND     | 2.0      |      | µg/L  | 1  | 12/17/2008 12:43:38 PM |
| Surr: 4-Bromofluorobenzene  | 82.1   | 65.9-130 |      | %REC  | 1  | 12/17/2008 12:43:38 PM |

Lab ID: 0812271-02

Collection Date: 12/11/2008 11:30:00 AM

Client Sample ID: MW-9

Matrix: AQUEOUS

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|-----------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM          |
| Benzene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:25:48 AM |
| Toluene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:25:48 AM |
| Ethylbenzene                | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:25:48 AM |
| Xylenes, Total              | ND     | 2.0      |      | µg/L  | 1  | 12/17/2008 2:25:48 AM |
| Surr: 4-Bromofluorobenzene  | 95.8   | 65.9-130 |      | %REC  | 1  | 12/17/2008 2:25:48 AM |

Lab ID: 0812271-03

Collection Date: 12/11/2008 2:20:00 PM

Client Sample ID: MW-11

Matrix: AQUEOUS

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|-----------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM          |
| Benzene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:56:03 AM |
| Toluene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:56:03 AM |
| Ethylbenzene                | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 2:56:03 AM |
| Xylenes, Total              | ND     | 2.0      |      | µg/L  | 1  | 12/17/2008 2:56:03 AM |
| Surr: 4-Bromofluorobenzene  | 87.5   | 65.9-130 |      | %REC  | 1  | 12/17/2008 2:56:03 AM |

Lab ID: 0812271-04

Collection Date: 12/11/2008 1:30:00 PM

Client Sample ID: SVE-13

Matrix: AQUEOUS

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|-----------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM          |
| Benzene                     | 510    | 10       |      | µg/L  | 10 | 12/17/2008 3:28:55 AM |
| Toluene                     | ND     | 10       |      | µg/L  | 10 | 12/17/2008 3:28:55 AM |
| Ethylbenzene                | 97     | 10       |      | µg/L  | 10 | 12/17/2008 3:28:55 AM |
| Xylenes, Total              | 30     | 20       |      | µg/L  | 10 | 12/17/2008 3:28:55 AM |
| Surr: 4-Bromofluorobenzene  | 96.4   | 65.9-130 |      | %REC  | 10 | 12/17/2008 3:28:55 AM |

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

Date: 19-Dec-08

CLIENT: Cypress Engineering  
Project: TWP WT-1 Station DEHY

Lab Order: 0812271

Lab ID: 0812271-05

Collection Date: 12/11/2008 2:30:00 PM

Client Sample ID: MW-13

Matrix: AQUEOUS

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|-----------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM          |
| Benzene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 3:59:09 AM |
| Toluene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 3:59:09 AM |
| Ethylbenzene                | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 3:59:09 AM |
| Xylenes, Total              | ND     | 2.0      |      | µg/L  | 1  | 12/17/2008 3:59:09 AM |
| Surr: 4-Bromofluorobenzene  | 91.5   | 65.9-130 |      | %REC  | 1  | 12/17/2008 3:59:09 AM |

Lab ID: 0812271-06

Collection Date:

Client Sample ID: TRIP BLANK

Matrix: TRIP BLANK

| Analyses                    | Result | PQL      | Qual | Units | DF | Date Analyzed         |
|-----------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8021B: VOLATILES |        |          |      |       |    | Analyst: DAM          |
| Benzene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 4:29:36 AM |
| Toluene                     | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 4:29:36 AM |
| Ethylbenzene                | ND     | 1.0      |      | µg/L  | 1  | 12/17/2008 4:29:36 AM |
| Xylenes, Total              | ND     | 2.0      |      | µg/L  | 1  | 12/17/2008 4:29:36 AM |
| Surr: 4-Bromofluorobenzene  | 86.4   | 65.9-130 |      | %REC  | 1  | 12/17/2008 4:29:36 AM |

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

## QA/QC SUMMARY REPORT

Client: Cypress Engineering  
Project: TWP WT-1 Station DEHY

Work Order: 0812271

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|

Method: EPA Method 8021B: Volatiles

Sample ID: 5ML RB

MBLK

Batch ID: R31647 Analysis Date: 12/16/2008 10:41:58 AM

|                |    |      |     |
|----------------|----|------|-----|
| Benzene        | ND | µg/L | 1.0 |
| Toluene        | ND | µg/L | 1.0 |
| Ethylbenzene   | ND | µg/L | 1.0 |
| Xylenes, Total | ND | µg/L | 2.0 |

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R31647 Analysis Date: 12/16/2008 9:21:40 PM

|                |       |      |     |     |      |     |
|----------------|-------|------|-----|-----|------|-----|
| Benzene        | 21.29 | µg/L | 1.0 | 106 | 85.9 | 113 |
| Toluene        | 21.46 | µg/L | 1.0 | 107 | 86.4 | 113 |
| Ethylbenzene   | 21.10 | µg/L | 1.0 | 106 | 83.5 | 118 |
| Xylenes, Total | 63.66 | µg/L | 2.0 | 106 | 83.4 | 122 |

## Qualifiers:

|   |                                            |    |                                                    |
|---|--------------------------------------------|----|----------------------------------------------------|
| E | Estimated value                            | H  | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit                |
| R | RPD outside accepted recovery limits       | S  | Spike recovery outside accepted recovery limits    |

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name CYP

Date Received:

12/15/2008

Work Order Number 0812271

Received by: AT

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

- VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

2°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Active Action

Tel. 505-345-3975 Fax 505-345-4107

1990

53

## COVER LETTER

Tuesday, July 08, 2008

George Robinson  
Cypress Engineering  
7171 Highway 6 North  
Suite 102  
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP WT-1 Station DEHY

Order No.: 0807053

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 7/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425

AZ license # AZ0682

ORELAP Lab # NM100001



**CLIENT:** Cypress Engineering  
**Project:** TWP WT-1 Station DEHY  
**Lab Order:** 0807053

**CASE NARRATIVE**

Analytical Comments for METHOD 8015GRO\_A, SAMPLE 0807053-01A: Elevated surrogate due to matrix interference. Analytical Comments for METHOD 8015GRO\_A, SAMPLE 0807053-02A: Elevated surrogate due to matrix interference.

# Hall Environmental Analysis Laboratory, Inc.

Date: 08-Jul-08

CLIENT: Cypress Engineering  
Project: TWP WT-1 Station DEHY

Lab Order: 0807053

Lab ID: 0807053-01  
Client Sample ID: SVE TOTAL

Collection Date: 7/1/2008 12:45:00 PM  
Matrix: AIR

| Analyses                         | Result | PQL      | Qual | Units | DF | Date Analyzed        |
|----------------------------------|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: GASOLINE RANGE |        |          |      |       |    | Analyst: NSB         |
| Gasoline Range Organics (GRO)    | 1400   | 10.0     |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: <C5          | 0.800  | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C05-C6       | 2.90   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C06-C7       | 8.30   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C07-C8       | 21.6   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C08-C9       | 28.9   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C09-C10      | 22.7   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C10-C11      | 13.1   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C11-C12      | 1.70   | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C12-C14      | ND     | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| % GRO Hydrocarbons: C14+         | ND     | 0        |      | µg/L  | 2  | 7/3/2008 12:13:31 PM |
| Surr: BFB                        | 507    | 76.8-150 | S    | %REC  | 2  | 7/3/2008 12:13:31 PM |

Lab ID: 0807053-02  
Client Sample ID: SVE NORTH

Collection Date: 7/1/2008 12:50:00 PM  
Matrix: AIR

| Analyses                         | Result | PQL      | Qual | Units | DF | Date Analyzed        |
|----------------------------------|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: GASOLINE RANGE |        |          |      |       |    | Analyst: NSB         |
| Gasoline Range Organics (GRO)    | 1370   | 10.0     |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: <C5          | 0.700  | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C05-C6       | 2.90   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C06-C7       | 8.20   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C07-C8       | 20.8   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C08-C9       | 26.8   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C09-C10      | 25.4   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C10-C11      | 13.2   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C11-C12      | 2.00   | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C12-C14      | ND     | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| % GRO Hydrocarbons: C14+         | ND     | 0        |      | µg/L  | 2  | 7/3/2008 12:43:44 PM |
| Surr: BFB                        | 563    | 76.8-150 | S    | %REC  | 2  | 7/3/2008 12:43:44 PM |

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

## QA/QC SUMMARY REPORT

Client: Cypress Engineering  
Project: TWP WT-1 Station DEHY

Work Order: 0807055

| Analyte                                  | Result | Units | PQL   | %Rec | LowLimit | HighLimit        | %RPD           | RPDLimit            | Qual |
|------------------------------------------|--------|-------|-------|------|----------|------------------|----------------|---------------------|------|
| Method: EPA Method 8015B: Gasoline Range |        |       |       |      |          |                  |                |                     |      |
| Sample ID: 5ML RB                        |        | MBLK  |       |      |          | Batch ID: R29201 | Analysis Date: | 7/3/2008 9:12:18 AM |      |
| Gasoline Range Organics (GRO)            | ND     | mg/L  | 0.050 |      |          |                  |                |                     |      |
| Sample ID: 2.5UG GRO LCS                 |        | LCS   |       |      |          | Batch ID: R29201 | Analysis Date: | 7/3/2008 7:50:59 PM |      |
| Gasoline Range Organics (GRO)            | 0.4760 | mg/L  | 0.050 | 95.2 | 80       | 115              |                |                     |      |

## Qualifiers:

|   |                                            |    |                                                    |
|---|--------------------------------------------|----|----------------------------------------------------|
| E | Value above quantitation range             | H  | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit                |
| R | RPD outside accepted recovery limits       | S  | Spike recovery outside accepted recovery limits    |

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name CYP

Date Received:

7/3/2008

Work Order Number 0807053

Received by: TLS

Checklist completed by:

Jimmy Shonin  
Signature

7/3/08  
Date

Sample ID labels checked by:

TLS  
Initials

Matrix:

Carrier name Greyhound

|                                                         |                                                            |                              |                                         |                                      |
|---------------------------------------------------------|------------------------------------------------------------|------------------------------|-----------------------------------------|--------------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  | Not Present <input type="checkbox"/>    |                                      |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  | Not Present <input type="checkbox"/>    | Not Shipped <input type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | N/A <input checked="" type="checkbox"/> |                                      |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |                                         |                                      |
| Water - VOA vials have zero headspace?                  | No VOA vials submitted <input checked="" type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/>             |                                      |
| Water - Preservation labels on bottle and cap match?    | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | N/A <input checked="" type="checkbox"/> |                                      |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | N/A <input checked="" type="checkbox"/> |                                      |

Container/Temp Blank temperature?

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

