# GW - 052

# ANNUAL MONITORING REPORT

# 7/30/2008

GW 052

Cypress Engineering

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July 30, 2008

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

RE: Annual Report of Groundwater Remediation Activities
Roswell Station Remediation Site
Chavez County, New Mexico
Case # GW-052

Enclosed for your review is the Annual Report of Groundwater Remediation Activities for the Roswell Station remediation site. This report includes the results of recent groundwater assessment and remediation work completed at the site.

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

Sincerely,

George Robinson

George Robinson
President/Principal Engineer

xc w/attachment:

| | |
|---|---|
| Sam Duletsky | Transwestern Pipeline Company |
| Larry Campbell | Transwestern Pipeline Company |
| Tim Gum | NMOCD Artesia District Office |

# Annual Report of Groundwater Remediation Activities

**Transwestern Pipeline Company**
**Roswell Station Remediation Site**
**Chaves County, New Mexico**

**CASE # GW-052**

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

**July 30, 2008**

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

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

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**Figure**



## LIST OF TABLES

**Table**



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# 1. Groundwater Monitoring Activities

## 1.1 Semiannual Groundwater Sampling Events

Two semiannual sampling events have been completed since the last report of groundwater remediation activities. These events were completed in March 13, 2007 and September 21, 2007.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase separated hydrocarbon (PSH) was present, was determined for each monitor well and recovery well. The measured depths and the corresponding water table elevation for each monitor well and recovery well is presented in Tables 1 and 2.

In the course of each sample event, groundwater samples were collected from selected monitor wells at the site. As a matter of standard operating procedure, samples were not collected from monitor wells with accumulated PSH in the well casing. A summary of field measured groundwater quality parameters obtained in the course of sampling is presented in Table 3. An updated summary of laboratory results for organic compounds is presented in Table 4. A summary of laboratory results for inorganic constituents is presented in Table 5.

A copy of the laboratory reports for the two semiannual groundwater sampling events are included as an Attachment.

## 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 on September 21, 2007 is included as Figure 2. The information presented in Figure 2 appears to define a complex groundwater system with some areas of low flow and other areas of preferential flow. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site and is also consistent with the distribution of contaminants in the uppermost aquifer.

There is a sharp decline in the water table elevation following startup of the groundwater recovery and treatment system. Hydrographs for selected wells are included as Attachment #1 of this report. The hydrographs indicate about a 2.5 foot decline in the water table during the 42 month period between March 2004 and September 2007. A continued decline in the water table is anticipated and is beneficial to the remediation effort.

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

The lateral extent of PSH is currently defined by the occurrence of PSH at the water table in 20 wells and the absence of PSH in all other wells. The thickness of accumulated PSH in the monitor wells and the multiphase extraction wells is presented in Tables 1 and 2. A figure indicating the estimated area with PSH present at the water table is included as Figure 3.

On June 22, 2007, vapor samples were collected from each of the remediation system wells and delivered to a laboratory for analysis for total petroleum hydrocarbons (TPH) by method 8015mod (GRO). The results from laboratory analyses are presented in Table 9 and in Figures 7 and 8. The area defined by elevated concentrations of TPH in soil vapor corresponds well with

the area defined by PSH measured in wells. A copy of this laboratory report is included as an Attachment.

On June 22, 2007 vapor samples were collected from each of the five remediation system circuits and delivered to a laboratory for analysis for total petroleum hydrocarbons (TPH) by method 8015mod (GRO). The concentrations of TPH found in each circuit correspond well with the area defined by the individual well analyses. The results from laboratory analyses are presented in Table 8 and in Figure 9. A copy of this laboratory report is included as an Attachment.

### *1.2.3 Condition of Affected Groundwater*

The primary constituent of concern is benzene. Additional constituents of concern are 111-trichloroethane, 11-dichloroethane, and 11-dichloroethene. A diagram indicating the distribution of these constituents in groundwater is included as Figure 4. Only three organic constituents, benzene, 11-dichloroethane and 11-dichloroethene have been measured at concentrations above NMWQCC standards.

Startup of the groundwater recovery system appears to have accelerated the natural attenuation processes and has resulted in a decrease in contaminant concentrations at most sampling locations. It is anticipated that contaminant concentrations will continue to decline with continued operation of the groundwater recovery system.

## 2. Status of Remediation Activities

### 2.1 Remediation Activities Completed in 2007

The following remediation activities were completed during 2007:

1) Two routine semiannual groundwater sampling events were completed on March 13, 2007 and September 21, 2007.
2) The SVE system operated continuously during the year except for temporary shut-downs for maintenance.
3) Soil vapor samples were collected from each of the SVE circuits on June 22, 2007.
4) Soil vapor samples were collected from each of the MPE wells on June 22, 2007.
5) The groundwater recovery and irrigation system operated from April 24, 2007 through August 21, 2007 except for temporary shut-downs for maintenance. Normally, the groundwater recovery and irrigation system would operate through November, but mechanical problems with various components of the water treatment system prevented operation during September through November. These problems have been resolved.
6) Five routine monthly irrigation water sampling events were completed during the period that the groundwater recovery and irrigation system was in operation. A copy of these laboratory reports are included as an Attachment.

### 2.2 Current Status of Remediation Activities

The SVE component of the remediation system is currently in operation. The groundwater recovery, treatment, and irrigation component of the system was restarted in May 2008 and is currently in operation.

### 2.3 Remediation Activities Planned for 2008

The SVE system is expected to operate continuously through December 2008. The groundwater recovery system is expected to operate through late November 2008 when it will be shut-down for the winter months. Routine operation and maintenance of the system will continue throughout 2008.

## Proposed Modifications

### 2.4 Proposed Modifications to the Remediation System

#### *2.4.1 Physical Modifications to the System*

There are no proposed physical modifications to the remediation system at this time.

#### *2.4.2 Operational Modifications to the System*

There are no proposed operational modifications to the remediation system at this time.

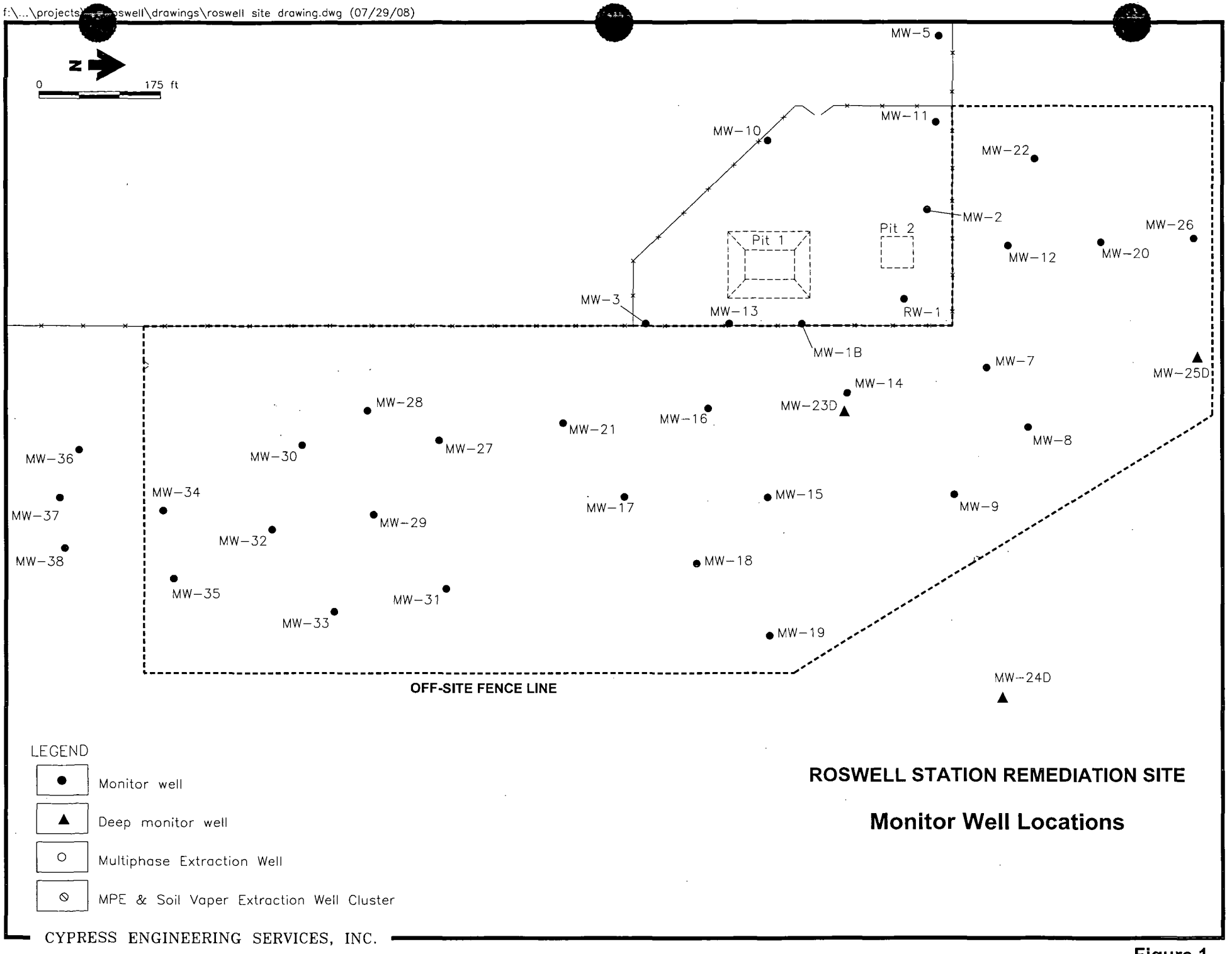
### 2.5 Proposed Reporting Frequency

Annual reporting will continue with the next scheduled report submitted to the NMOCD by March 31, 2009.

## 3. Progress Toward Project Completion

The Phase I and Phase II components of the remediation system have been installed and are in operation as described in the "Conceptual Remedial Design and Discharge Plan Modification" document dated September 10, 2002. The SVE component of the system has been in operation since March 2003 and the groundwater recovery system has been in operation since April 2004.

Based upon a review of groundwater sample results, startup of the groundwater recovery system appears to have accelerated natural attenuation processes and has resulted in a decrease in contaminant concentrations at most sampling locations.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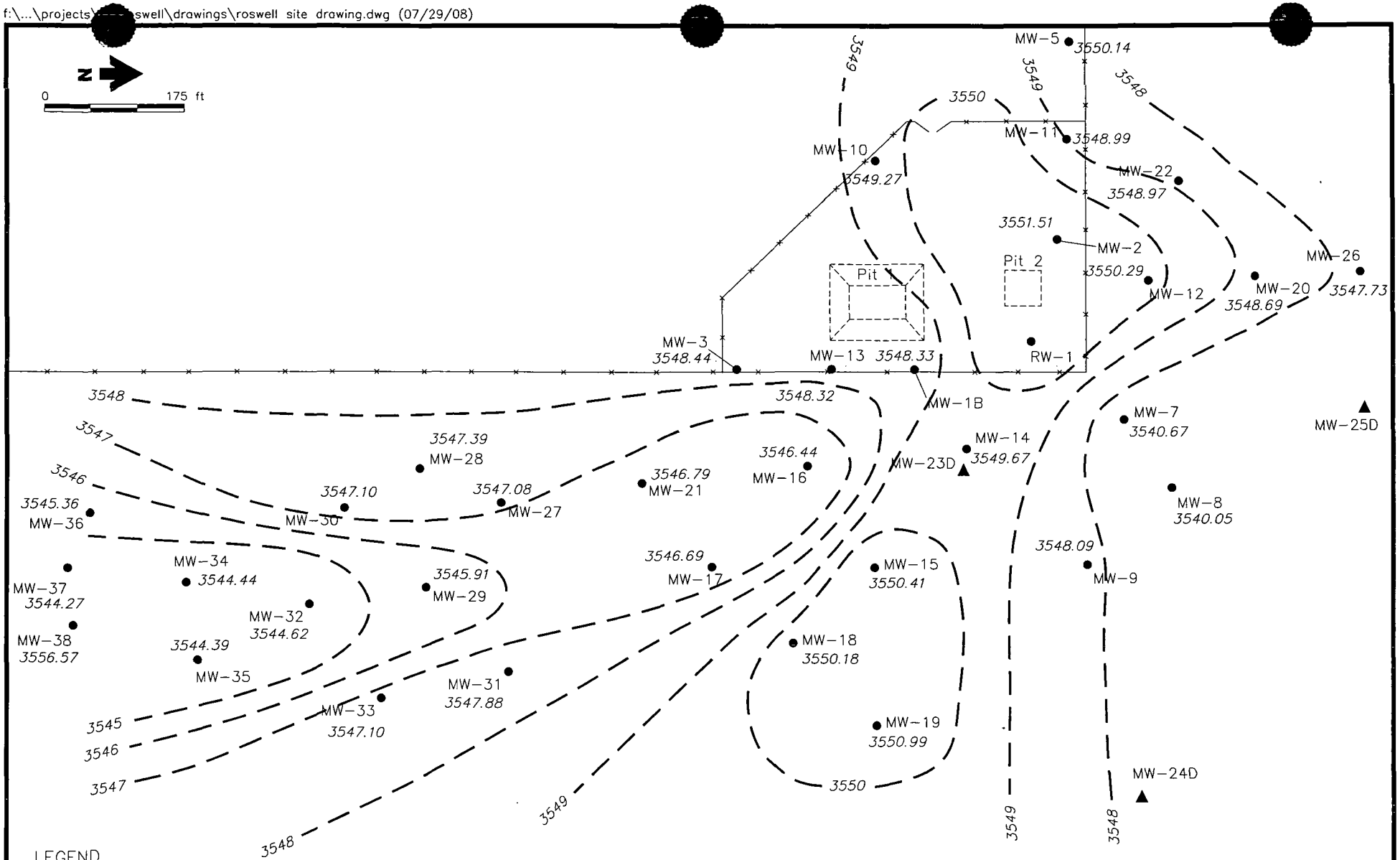
N
0
175 ft
MW-5
MW-11
MW-10
MW-22
MW-2
MW-26
Pit 1
Pit 2
MW-12
MW-20
MW-3
MW-13
RW-1
MW-1B
MW-7
MW-25D
MW-14
MW-28
MW-23D
MW-16
MW-21
MW-27
MW-8
MW-36
MW-30
MW-34
MW-15
MW-37
MW-17
MW-9
MW-29
MW-32
MW-38
MW-18
MW-35
MW-31
MW-33
MW-19
MW-24D
OFF-SITE FENCE LINE
LEGEND
Monitor well
Deep monitor well
Multiphase Extraction Well
MPE & Soil Vaper Extraction Well Cluster
ROSWELL STATION REMEDIATION SITE
Monitor Well Locations
CYPRESS ENGINEERING SERVICES, INC.

Figure 1

f:\...\projects\...swell\drawings\roswell site drawing.dwg (07/29/08)




LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster
- 3551.97 Water level elevation (ft msl) (Note: *NM* = Not Measured)
- 3549 Elevation contour (ft msl)

**ROSWELL STATION REMEDIATION SITE**

## Groundwater Surface Elevations in the Uppermost Aquifer

**September 21, 2007**

CYPRESS ENGINEERING SERVICES, INC.

**Figure 2**

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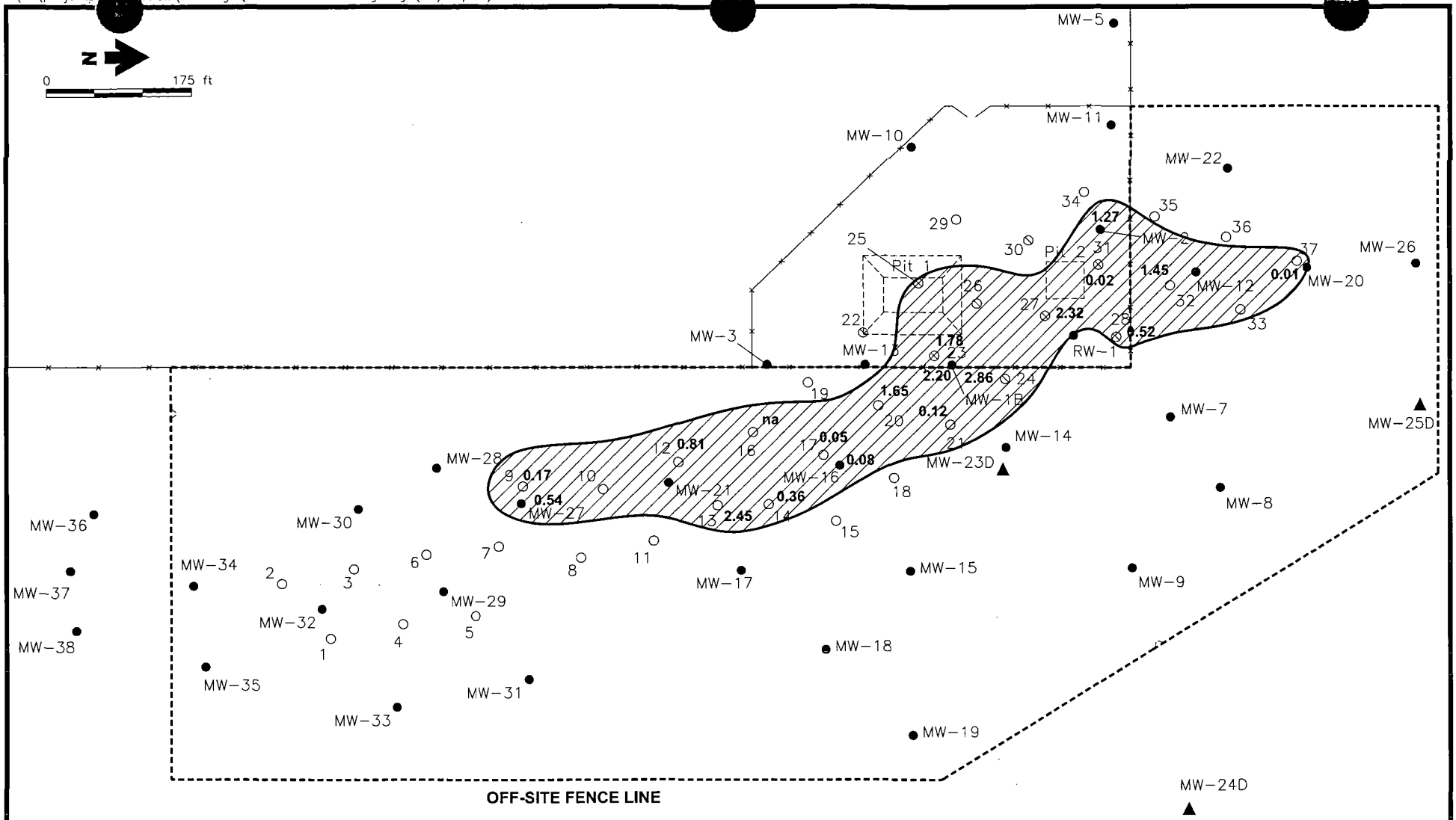


LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster

**ROSWELL STATION REMEDIATION SITE**

**Distribution of PSH on Groundwater**

**September 21, 2007**

CYPRESS ENGINEERING SERVICES, INC.

**Figure 3**

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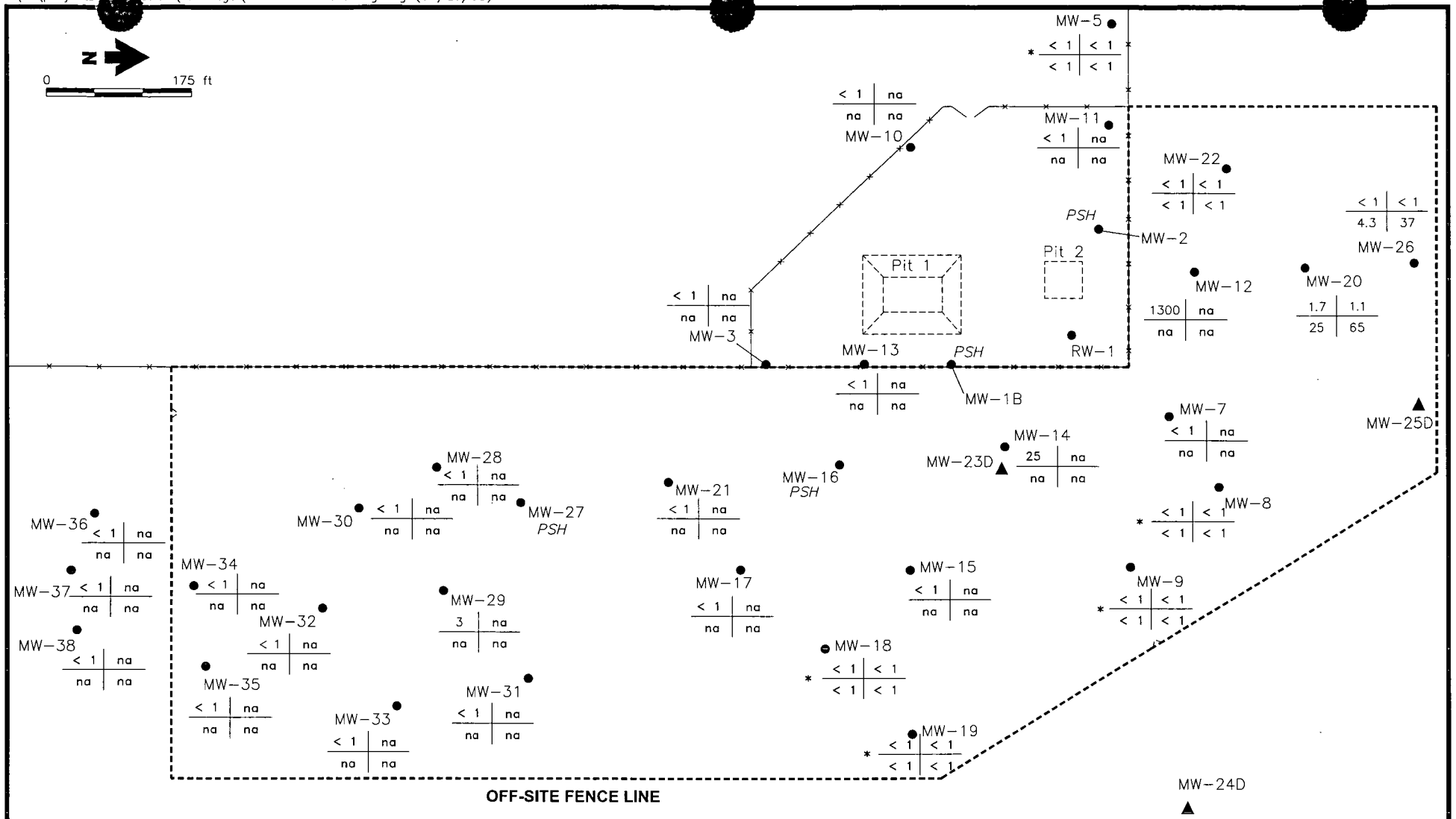


LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster

PSH — Phase Separated Hydrocarbon

Benzene | 111-TCA
11-DCA | 11-DCE — Concentration in Ground Water (ppb)
(* indicates results from the last sample event)
(na – not analyzed)

## ROSWELL STATION REMEDIATION SITE

## Distribution of Dissolved Phase Organics in the Uppermost Aquifer

**September 21, 2007**

CYPRESS ENGINEERING SERVICES, INC.

**Figure 4**

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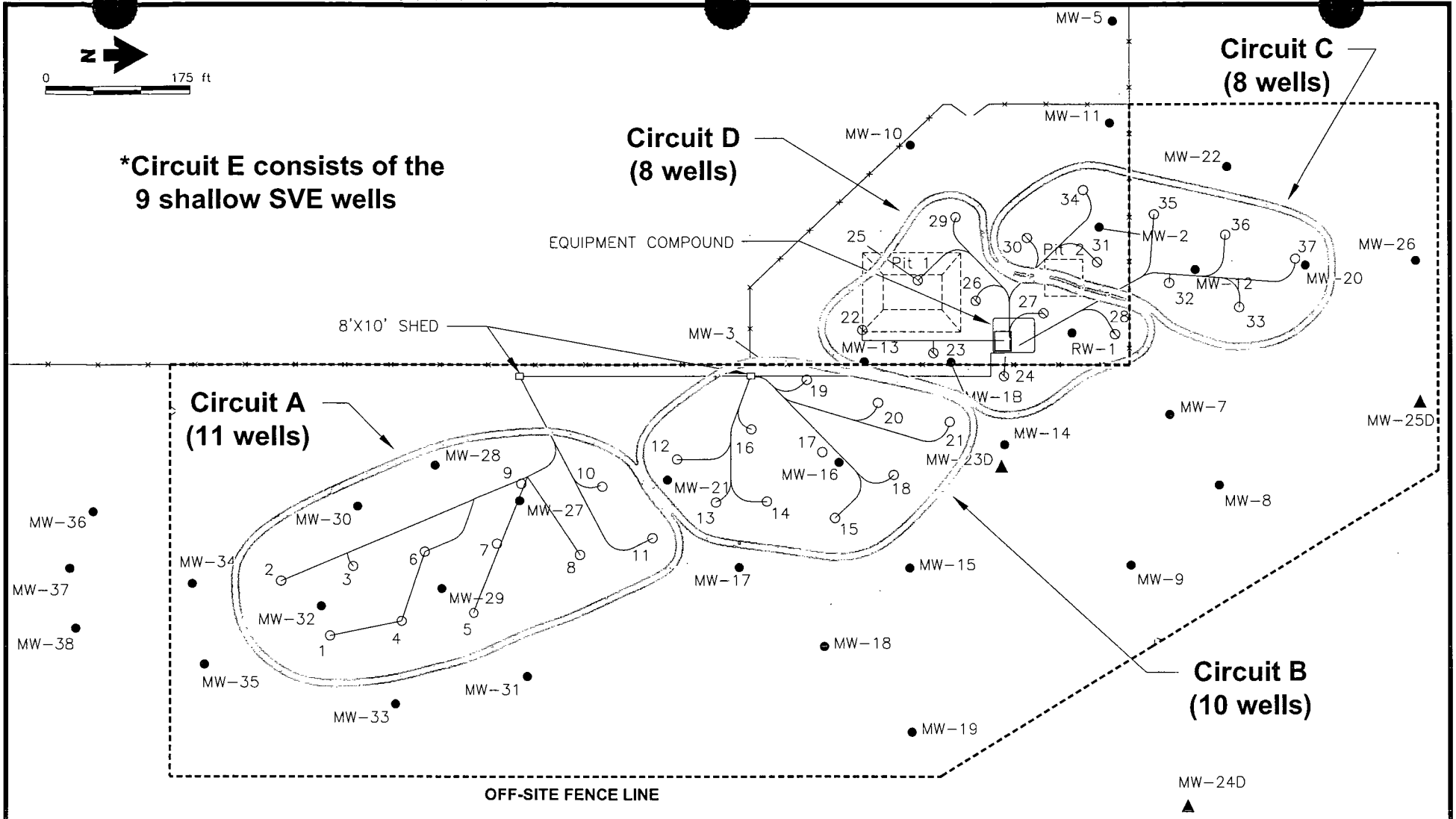



ROSWELL STATION REMEDIATION SITE

Remediation System Layout

CYPRESS ENGINEERING SERVICES, INC.

Figure 5

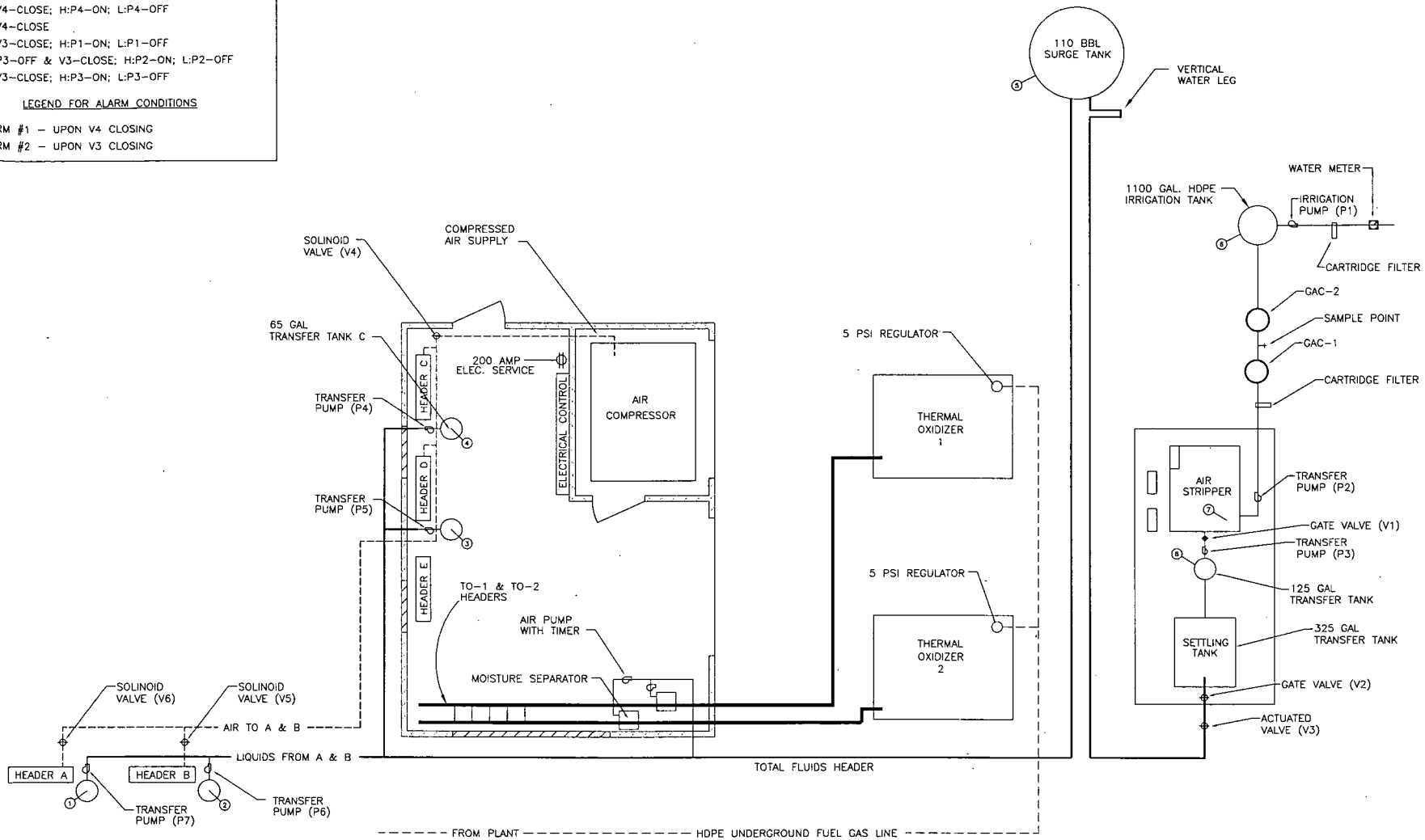
g:\...\tw\roswell\drawings\roswell equipment layout (rev100806).dwg

LEGEND FOR CONTROLS

① HH:V6-CLOSE; H:P7-ON; L:P7-OFF
② HH:V5-CLOSE; H:P6-ON; L:P6-OFF
③ HH:V4-CLOSE; H:P5-ON; L:P5-OFF
④ HH:V4-CLOSE; H:P4-ON; L:P4-OFF
⑤ HH:V4-CLOSE
⑥ HH:V3-CLOSE; H:P1-ON; L:P1-OFF
⑦ HH:P3-OFF & V3-CLOSE; H:P2-ON; L:P2-OFF
⑧ HH:V3-CLOSE; H:P3-ON; L:P3-OFF

LEGEND FOR ALARM CONDITIONS

ALARM #1 – UPON V4 CLOSING
ALARM #2 – UPON V3 CLOSING




0 Not to Scale

## ROSWELL STATION REMEDIATION SITE

# Water and Vapor Treatment Equipment, Controls, and Process Details

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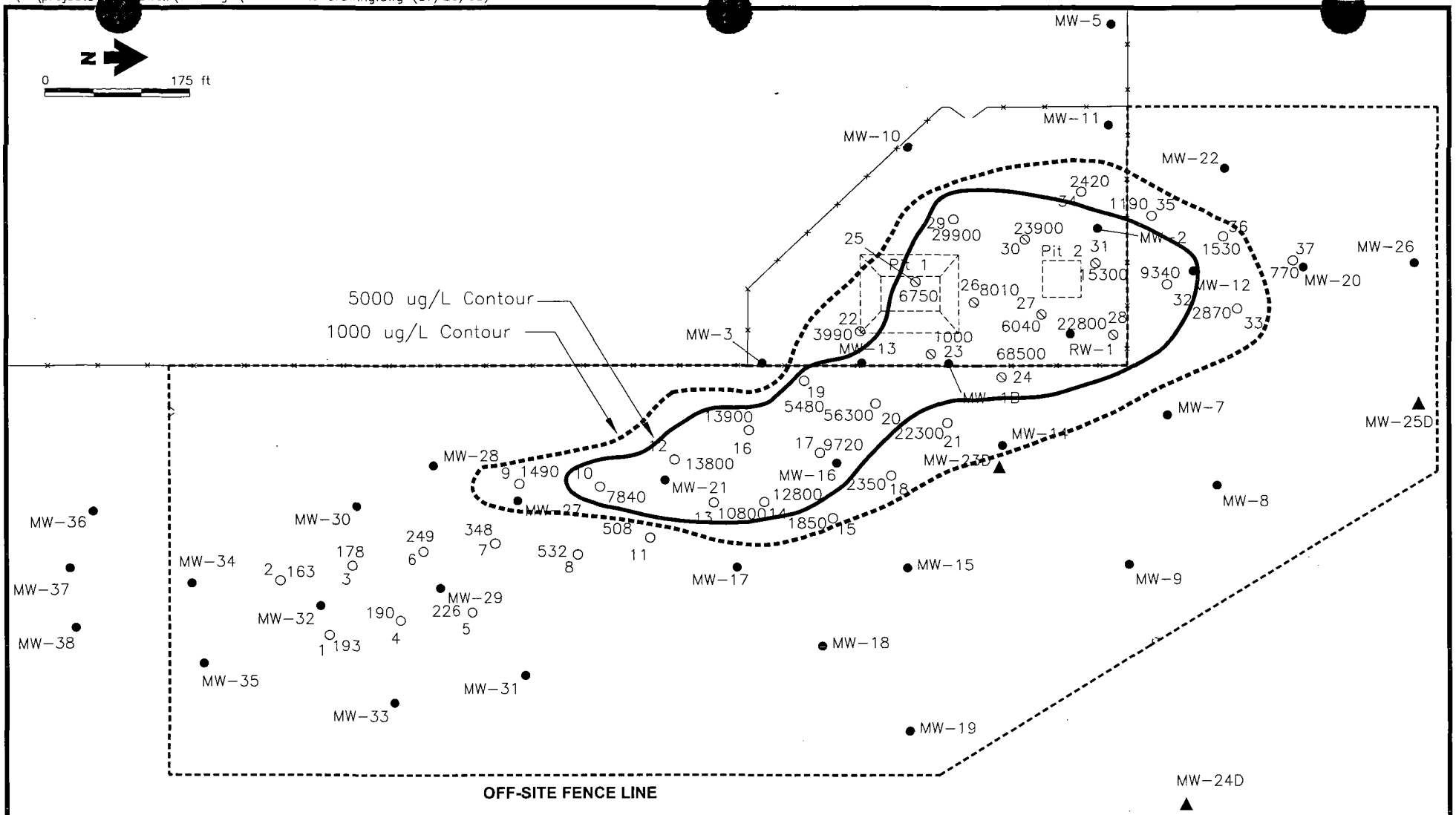


LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster

CYPRESS ENGINEERING SERVICES, INC.

**ROSWELL STATION REMEDIATION SITE**

## Distribution of VOCs Measured in Soil Vapor Samples from MPE Wells

**June 22, 2007**

**Figure 7**

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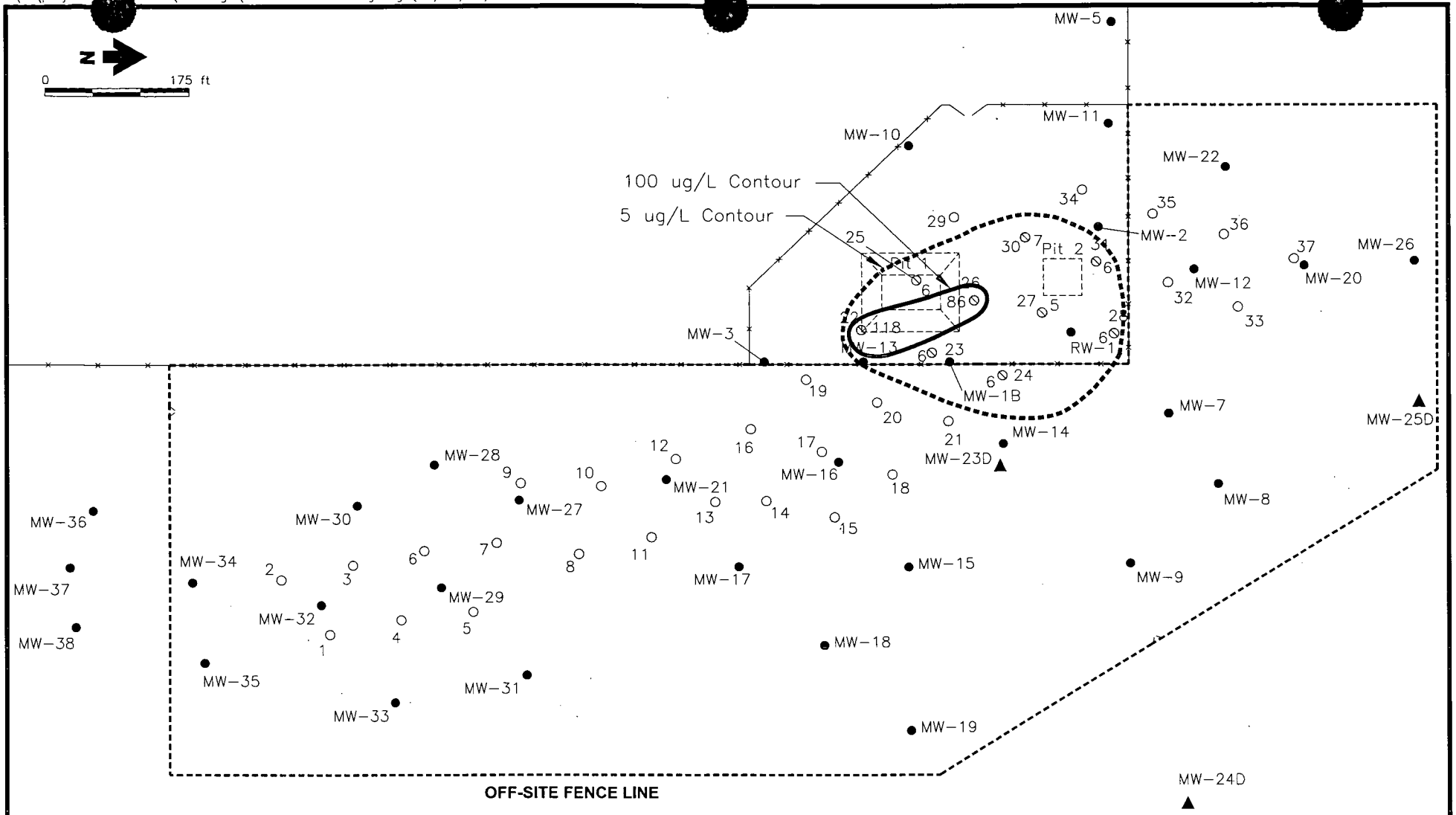


LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster

**ROSWELL STATION REMEDIATION SITE**

# Distribution of VOCs Measured In Soil Vapor Samples from SVE Wells

**June 22, 2007**

CYPRESS ENGINEERING SERVICES, INC.

**Figure 8**

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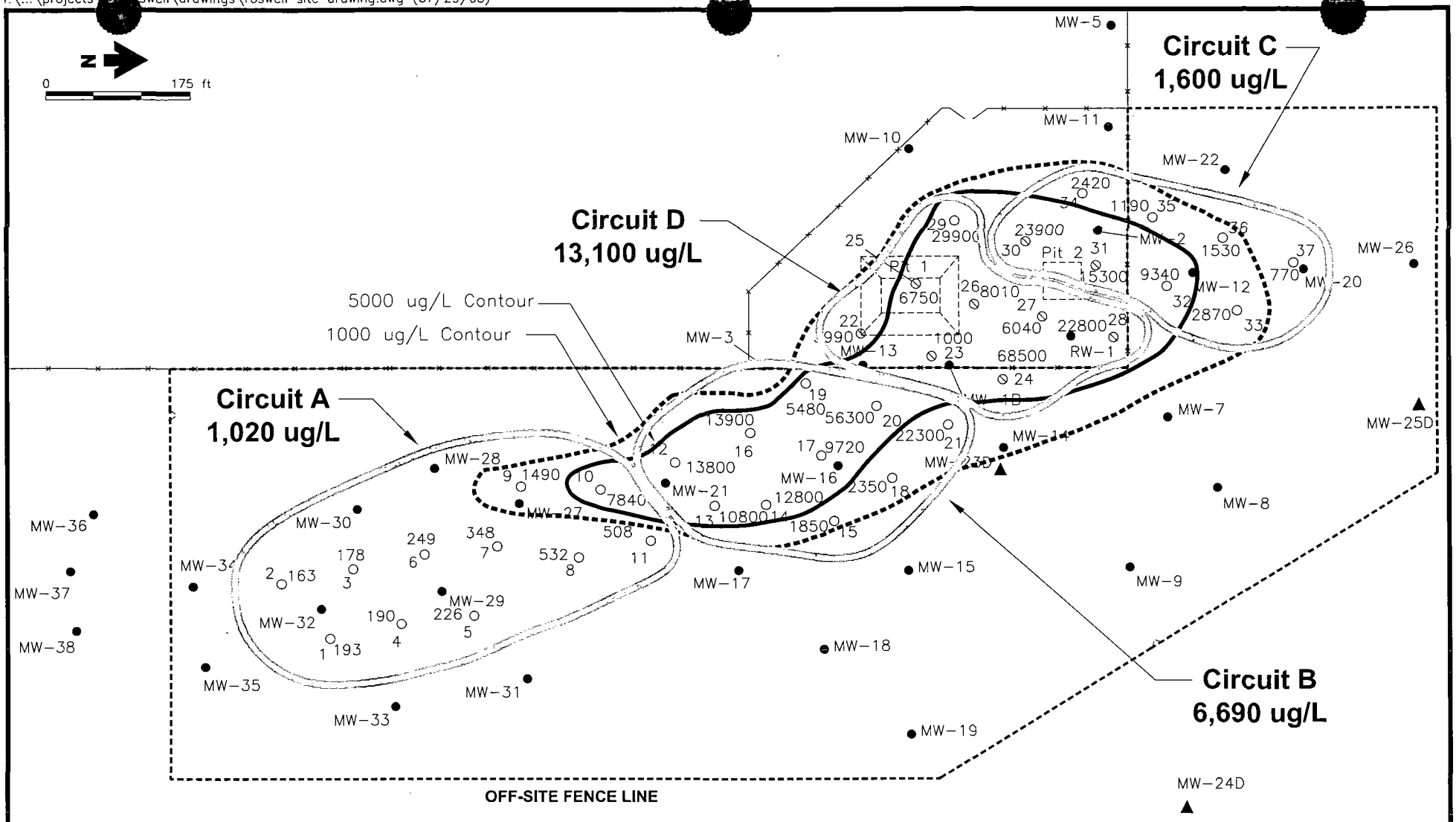



LEGEND

- Monitor well
- Deep monitor well
- Multiphase Extraction Well
- MPE & Soil Vaper Extraction Well Cluster

**ROSWELL STATION REMEDIATION SITE**

## Distribution of VOCs Measured in Circuits vs Individual MPE Wells

**June 22, 2007**

CYPRESS ENGINEERING SERVICES, INC.

**Figure 9**

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-1 B | 09/27/96 | 3609.96 | - | 61.60 | 2.33 | 3550.13 |
| | 10/31/97 | | 58.37 | 59.76 | 1.39 | 3551.26 |
| | 01/26/98 | | 58.20 | 60.80 | 2.60 | 3551.14 |
| | 05/25/98 | | 58.28 | 60.38 | 2.10 | 3551.18 |
| | 08/10/98 | | 58.64 | 59.05 | 0.41 | 3551.22 |
| | 10/11/98 | | 58.20 | 61.20 | 3.00 | 3551.04 |
| | 03/21/99 | | 60.45 | 60.46 | 0.01 | 3549.51 |
| | 09/07/99 | | (a) | 60.15 | (a) | 3549.81 |
| | 11/19/00 | | 57.87 | 60.13 | 2.26 | 3551.55 |
| | 03/27/01 | | 57.42 | 59.97 | 2.55 | 3551.93 |
| | 10/03/01* | | 57.12 | 60.25 | 3.13 | 3552.09 |
| | 06/11/02 | | 57.00 | 60.42 | 3.42 | 3552.14 |
| | 01/29/03 | | 57.05 | 60.72 | 3.67 | 3552.03 |
| | 07/31/03 | | 57.35 | 60.72 | 3.37 | 3551.80 |
| | 03/22/04 | | 57.88 | 61.50 | 3.62 | 3551.21 |
| | 09/08/04 | | 59.71 | 63.13 | 3.42 | 3549.43 |
| | 03/29/05 | | 60.35 | 63.49 | 3.14 | 3548.86 |
| | 10/04/05 | | 60.40 | 63.30 | 2.90 | 3548.86 |
| | 03/23/06 | | 60.95 | 63.95 | 3.00 | 3548.29 |
| | 09/19/06 | | 61.48 | 64.30 | 2.82 | 3547.80 |
| | 03/13/07 | | 60.77 | 62.91 | 2.14 | 3548.68 |
| | 09/21/07 | | 61.10 | 63.30 | 2.20 | 3548.33 |
| MW-2 | 09/27/96 | 3611.76 | - | 62.00 | 2.33 | 3551.53 |
| | 10/31/97 | | 58.36 | 59.60 | 1.24 | 3553.10 |
| | 01/26/98 | | 58.20 | 59.85 | 1.65 | 3553.16 |
| | 05/25/98 | | 58.42 | 58.79 | 0.37 | 3553.25 |
| | 08/10/98 | | 58.25 | 58.55 | 0.30 | 3553.44 |
| | 10/11/98 | | 58.20 | 59.70 | 1.50 | 3553.20 |
| | 03/21/99 | | 58.35 | 58.37 | 0.02 | 3553.41 |
| | 09/07/99 | | 61.25 | 61.27 | 0.02 | 3550.51 |
| | 11/19/00 | | 57.67 | 57.74 | 0.07 | 3554.07 |
| | 03/27/01 | | 57.78 | 58.23 | 0.45 | 3553.87 |
| | 10/03/01* | | 58.04 | 58.35 | 0.31 | 3553.65 |
| | 06/11/02 | | 58.07 | 59.20 | 1.13 | 3553.42 |
| | 01/29/03 | | 58.20 | 60.61 | 2.41 | 3552.98 |
| | 07/31/03 | | 58.60 | 59.30 | 0.70 | 3552.99 |
| | 03/22/04 | | 58.92 | 59.50 | 0.58 | 3552.70 |
| | 09/08/04 | | 59.64 | 60.99 | 1.35 | 3551.80 |
| | 03/29/05 | | (a) | 59.28 | (a) | 3552.48 |
| | 10/04/05 | | 59.73 | 61.24 | 1.51 | 3551.67 |
| | 03/23/06 | | 60.10 | 61.22 | 1.12 | 3551.39 |
| | 09/19/06 | | 60.30 | 61.27 | 0.97 | 3551.23 |
| | 03/13/07 | | 59.93 | 60.60 | 0.67 | 3551.67 |
| | 09/21/07 | | 59.95 | 61.22 | 1.27 | 3551.51 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-3 | 09/27/96 | 3614.87 | (a) | 64.79 | (a) | 3550.08 |
| | 07/23/97 | | (a) | 64.19 | (a) | 3550.68 |
| | 08/19/97 | | (a) | 64.36 | (a) | 3550.51 |
| | 10/30/97 | | (a) | 64.22 | (a) | 3550.65 |
| | 01/26/98 | | (a) | 64.34 | (a) | 3550.53 |
| | 05/25/98 | | (a) | 64.20 | (a) | 3550.67 |
| | 08/10/98 | | (a) | 64.06 | (a) | 3550.81 |
| | 10/11/98 | | (a) | 64.23 | (a) | 3550.64 |
| | 12/21/98 | | (a) | 64.25 | (a) | 3550.62 |
| | 03/23/99 | | (a) | 64.24 | (a) | 3550.63 |
| | 09/07/99 | | (a) | 63.99 | (a) | 3550.88 |
| | 03/27/00 | | (a) | 63.85 | (a) | 3551.02 |
| | 11/19/00 | | (a) | 63.85 | (a) | 3551.02 |
| | 02/12/01 | | (a) | 63.62 | (a) | 3551.25 |
| | 03/27/01 | | (a) | 63.58 | (a) | 3551.29 |
| | 10/03/01 | | (a) | 63.63 | (a) | 3551.24 |
| | 06/11/02 | | (a) | 63.77 | (a) | 3551.10 |
| | 01/29/03 | | (a) | 63.63 | (a) | 3551.24 |
| | 07/31/03 | | (a) | 63.67 | (a) | 3551.20 |
| | 03/22/04 | | (a) | 64.77 | (a) | 3550.10 |
| | 09/08/04 | | (a) | 65.23 | (a) | 3549.64 |
| | 03/29/05 | | (a) | 65.57 | (a) | 3549.30 |
| | 10/04/05 | | (a) | 66.01 | (a) | 3548.86 |
| | 04/17/06 | | (a) | 66.62 | (a) | 3548.25 |
| | 09/19/06 | | (a) | 66.77 | (a) | 3548.10 |
| | 03/13/07 | | (a) | 66.42 | (a) | 3548.45 |
| | 09/21/07 | | (a) | 66.43 | (a) | 3548.44 |
| MW-5 | 09/27/96 | 3612.77 | (a) | 62.32 | (a) | 3550.45 |
| | 07/23/97 | | (a) | 61.95 | (a) | 3550.82 |
| | 08/19/97 | | (a) | 62.05 | (a) | 3550.72 |
| | 10/30/97 | | (a) | 61.98 | (a) | 3550.79 |
| | 01/26/98 | | (a) | 61.90' Top of Pump | (a) | NA |
| | 05/25/98 | | (a) | 61.97 | (a) | 3550.80 |
| | 08/10/98 | | (a) | 61.81 | (a) | 3550.96 |
| | 10/11/98 | | (a) | 61.85 | (a) | 3550.92 |
| | 12/21/98 | | (a) | 61.89 | (a) | 3550.88 |
| | 03/23/99 | | (a) | 61.80 | (a) | 3550.97 |
| | 09/07/99 | | (a) | 61.59 | (a) | 3551.18 |
| | 03/27/00 | | (a) | 61.45 | (a) | 3551.32 |
| | 11/19/00 | | (a) | 61.43 | (a) | 3551.34 |
| | 03/27/01 | | (a) | 61.18 | (a) | 3551.59 |
| | 10/03/01 | | (a) | 61.17 | (a) | 3551.60 |
| | 06/11/02 | | (a) | 60.99 | (a) | 3551.78 |
| | 01/29/03 | | (a) | 61.02 | (a) | 3551.75 |
| | 07/31/03 | | (a) | 60.98 | (a) | 3551.79 |
| | 03/22/04 | | (a) | 61.13 | (a) | 3551.64 |
| | 09/08/04 | | (a) | 61.38 | (a) | 3551.39 |
| | 03/29/05 | | (a) | 61.55 | (a) | 3551.22 |
| | 10/04/05 | | (a) | 61.84 | (a) | 3550.93 |
| | 03/23/06 | | (a) | 62.05 | (a) | 3550.72 |
| | 09/19/06 | | (a) | 62.30 | (a) | 3550.47 |
| | 03/13/07 | | (a) | 62.41 | (a) | 3550.36 |
| | 09/21/07 | | (a) | 62.63 | (a) | 3550.14 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-6 | 09/27/96 | 3618.62 | (a) | 61.85 | (a) | 3556.77 |
| | 07/23/97 | | (a) | 61.81 | (a) | 3556.81 |
| | 08/19/97 | | (a) | 61.73 | (a) | 3556.89 |
| | 10/30/97 | | (a) | 61.62 | (a) | 3557.00 |
| | 01/26/98 | | (a) | 61.64 | (a) | 3556.98 |
| | 05/25/98 | | (a) | 61.63 | (a) | 3556.99 |
| | 08/10/98 | | (a) | 61.70 | (a) | 3556.92 |
| | 10/11/98 | | (a) | 61.72 | (a) | 3556.90 |
| | 12/21/98 | | (a) | 61.74 | (a) | 3556.88 |
| | 03/23/99 | | (a) | 61.78 | (a) | 3556.84 |
| | 09/07/99 | | (a) | 61.65 | (a) | 3556.97 |
| | 03/27/00 | | (a) | 61.13 | (a) | 3557.49 |
| | 11/19/00 | | (a) | 61.11 | (a) | 3557.51 |
| | 03/27/01 | | (a) | 60.93 | (a) | 3557.69 |
| | 10/03/01 | | (a) | 60.85 | (a) | 3557.77 |
| | 06/11/02 | | (a) | 60.81 | (a) | 3557.81 |
| | 01/29/03 | | (a) | 60.87 | (a) | 3557.75 |
| | 07/31/03 | | (a) | 60.99 | (a) | 3557.63 |
| | 03/22/04 | | (a) | 61.21 | (a) | 3557.41 |
| | 09/08/04 | | (a) | 62.53 | (a) | 3556.09 |
| | 03/29/05 | | (a) | 61.75 | (a) | 3556.87 |
| | 10/04/05 | | (a) | 62.12 | (a) | 3556.50 |
| | 03/23/06 | | (a) | 62.32 | (a) | 3556.30 |
| | 09/19/06 | | (a) | 62.55 | (a) | 3556.07 |
| | 03/13/07 | | (a) | 62.63 | (a) | 3555.99 |
| | 09/21/07 | | (a) | 62.84 | (a) | 3555.78 |
| MW-7 | 09/27/96 | 3599.20 | (a) | 54.74 | (a) | 3544.46 |
| | 07/23/97 | | (a) | 52.89 | (a) | 3546.31 |
| | 08/19/97 | | (a) | 53.57 | (a) | 3545.63 |
| | 10/30/97 | | (a) | 53.00 | (a) | 3546.20 |
| | 01/26/98 | | (a) | 51.45 | (a) | 3547.75 |
| | 05/25/98 | | (a) | 51.76 | (a) | 3547.44 |
| | 08/10/98 | | (a) | 54.11 | (a) | 3545.09 |
| | 10/11/98 | | (a) | 54.35 | (a) | 3544.85 |
| | 12/21/98 | | (a) | 52.69 | (a) | 3546.51 |
| | 03/23/99 | | (a) | 51.24 | (a) | 3547.96 |
| | 09/07/99 | | (a) | 52.33 | (a) | 3546.87 |
| | 03/27/00 | | (a) | 50.63 | (a) | 3548.57 |
| | 11/19/00 | | (a) | 53.92 | (a) | 3545.28 |
| | 03/27/01 | | (a) | 51.23 | (a) | 3547.97 |
| | 10/03/01 | | (a) | 54.45 | (a) | 3544.75 |
| | 06/11/02 | | (a) | 53.69 | (a) | 3545.51 |
| | 01/29/03 | | (a) | 53.85 | (a) | 3545.35 |
| | 07/31/03 | | (a) | 56.72 | (a) | 3542.48 |
| | 03/22/04 | | (a) | 55.37 | (a) | 3543.83 |
| | 09/08/04 | | (a) | 58.54 | (a) | 3540.66 |
| | 03/29/05 | | (a) | 55.15 | (a) | 3544.05 |
| | 10/04/05 | | (a) | 58.90 | (a) | 3540.30 |
| | 03/23/06 | | (a) | 56.99 | (a) | 3542.21 |
| | 09/19/06 | | (a) | 59.94 | (a) | 3539.26 |
| | 03/13/07 | | (a) | 56.33 | (a) | 3542.87 |
| | 09/21/07 | | (a) | 58.53 | (a) | 3540.67 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-8 | 09/27/96 | 3595.80 | (a) | 51.98 | (a) | 3543.82 |
| | 07/23/97 | | (a) | 50.14 | (a) | 3545.66 |
| | 08/19/97 | | (a) | 50.92 | (a) | 3544.88 |
| | 10/30/97 | | (a) | 50.18 | (a) | 3545.62 |
| | 01/26/98 | | (a) | 48.52 | (a) | 3547.28 |
| | 05/25/98 | | (a) | 49.02 | (a) | 3546.78 |
| | 08/10/98 | | (a) | 51.40 | (a) | 3544.40 |
| | 10/11/98 | | (a) | 51.60 | (a) | 3544.20 |
| | 12/21/98 | | (a) | 49.84 | (a) | 3545.96 |
| | 03/23/99 | | (a) | 48.30 | (a) | 3547.50 |
| | 09/07/99 | | (a) | 49.42 | (a) | 3546.38 |
| | 03/27/00 | | (a) | 47.63 | (a) | 3548.17 |
| | 11/19/00 | | (a) | 50.97 | (a) | 3544.83 |
| | 02/12/01 | | (a) | 48.85 | (a) | 3546.95 |
| | 03/27/01 | | (a) | 48.21 | (a) | 3547.59 |
| | 10/03/01 | | (a) | 51.45 | (a) | 3544.35 |
| | 06/11/02 | | (a) | 50.90 | (a) | 3544.90 |
| | 01/29/03 | | (a) | 50.81 | (a) | 3544.99 |
| | 07/31/03 | | (a) | 54.00 | (a) | 3541.80 |
| | 03/22/04 | | (a) | 52.24 | (a) | 3543.56 |
| | 09/08/04 | | (a) | 55.76 | (a) | 3540.04 |
| | 03/29/05 | | (a) | 52.56 | (a) | 3543.24 |
| | 10/04/05 | | (a) | 55.96 | (a) | 3539.84 |
| | 03/23/06 | | (a) | 54.21 | (a) | 3541.59 |
| | 09/19/06 | | (a) | 57.00 | (a) | 3538.80 |
| | 03/13/07 | | (a) | 53.34 | (a) | 3542.46 |
| | 09/21/07 | | (a) | 55.75 | (a) | 3540.05 |
| MW-9 | 09/27/96 | 3599.35 | (a) | 50.27 | (a) | 3549.08 |
| | 07/23/97 | | (a) | 50.07 | (a) | 3549.28 |
| | 08/19/97 | | (a) | 50.09 | (a) | 3549.26 |
| | 10/30/97 | | (a) | 50.18 | (a) | 3549.17 |
| | 01/26/98 | | (a) | 50.10 | (a) | 3549.25 |
| | 05/25/98 | | (a) | 50.13 | (a) | 3549.22 |
| | 08/10/98 | | (a) | 50.18 | (a) | 3549.17 |
| | 10/11/98 | | (a) | 50.20 | (a) | 3549.15 |
| | 12/21/98 | | (a) | 50.26 | (a) | 3549.09 |
| | 03/23/99 | | (a) | 50.19 | (a) | 3549.16 |
| | 09/07/99 | | (a) | 50.17 | (a) | 3549.18 |
| | 03/27/00 | | (a) | 50.17 | (a) | 3549.18 |
| | 11/19/00 | | (a) | 50.25 | (a) | 3549.10 |
| | 02/12/01 | | (a) | 50.19 | (a) | 3549.16 |
| | 03/27/01 | | (a) | 50.19 | (a) | 3549.16 |
| | 10/03/01 | | (a) | 50.30 | (a) | 3549.05 |
| | 06/11/02 | | (a) | 50.20 | (a) | 3549.15 |
| | 01/29/03 | | (a) | 50.18 | (a) | 3549.17 |
| | 07/31/03 | | (a) | 50.28 | (a) | 3549.07 |
| | 03/22/04 | | (a) | 50.43 | (a) | 3548.92 |
| | 09/08/04 | | (a) | 50.45 | (a) | 3548.90 |
| | 03/29/05 | | (a) | 50.54 | (a) | 3548.81 |
| | 10/04/05 | | (a) | 50.75 | (a) | 3548.60 |
| | 03/23/06 | | (a) | 50.73 | (a) | 3548.62 |
| | 09/19/06 | | (a) | 50.98 | (a) | 3548.37 |
| | 03/13/07 | | (a) | 51.14 | (a) | 3548.21 |
| | 09/21/07 | | (a) | 51.26 | (a) | 3548.09 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-10 | 09/27/96 | 3617.85 | (a) | 67.21 | (a) | 3550.64 |
| | 07/23/97 | | (a) | 66.83 | (a) | 3551.02 |
| | 08/19/97 | | (a) | 66.93 | (a) | 3550.92 |
| | 10/30/97 | | (a) | 66.83 | (a) | 3551.02 |
| | 01/26/98 | | (a) | 66.58 Top of Pump | (a) | NA |
| | 05/25/98 | | (a) | 66.91 | (a) | 3550.94 |
| | 08/10/98 | | (a) | 66.65 | (a) | 3551.20 |
| | 10/11/98 | | (a) | 66.59 Top of Pump | (a) | NA |
| | 12/21/98 | | (a) | 66.79 | (a) | 3551.06 |
| | 03/23/99 | | (a) | 66.72 | (a) | 3551.13 |
| | 09/07/99 | | (a) | 66.49 | (a) | 3551.36 |
| | 03/27/00 | | (a) | 66.34 | (a) | 3551.51 |
| | 11/19/00 | | (a) | 66.30 | (a) | 3551.55 |
| | 03/27/01 | | (a) | 66.10 | (a) | 3551.75 |
| | 10/03/01 | | (a) | 66.08 | (a) | 3551.77 |
| | 06/11/02 | | (a) | 65.95 | (a) | 3551.90 |
| | 01/29/03 | | (a) | 66.04 | (a) | 3551.81 |
| | 07/31/03 | | (a) | 66.04 | (a) | 3551.81 |
| | 03/22/04 | | (a) | 66.61 | (a) | 3551.24 |
| | 09/08/04 | | (a) | 67.44 | (a) | 3550.41 |
| | 03/29/05 | | (a) | 67.52 | (a) | 3550.33 |
| | 03/23/06 | | (a) | 68.45 | (a) | 3549.40 |
| | 09/19/06 | | (a) | 68.66 | (a) | 3549.19 |
| | 03/13/07 | | (a) | 68.44 | (a) | 3549.41 |
| | 09/21/07 | | (a) | 68.58 | (a) | 3549.27 |
| MW-11 | 09/27/96 | 3613.31 | (a) | 62.90 | (a) | 3550.41 |
| | 07/23/97 | | (a) | 62.44 | (a) | 3550.87 |
| | 08/19/97 | | (a) | 62.53 | (a) | 3550.78 |
| | 10/30/97 | | (a) | 62.40 | (a) | 3550.91 |
| | 01/26/98 | | (a) | 62.20 Top of Pump | (a) | NA |
| | 05/25/98 | | (a) | 62.22 | (a) | 3551.09 |
| | 08/10/98 | | (a) | 62.18 | (a) | 3551.13 |
| | 10/11/98 | | (a) | 62.21 Top of Pump | (a) | NA |
| | 12/21/98 | | (a) | 62.42 | (a) | 3550.89 |
| | 03/23/99 | | (a) | 62.26 | (a) | 3551.05 |
| | 09/07/99 | | (a) | 62.01 | (a) | 3551.30 |
| | 03/27/00 | | (a) | 61.77 | (a) | 3551.54 |
| | 11/19/00 | | (a) | 61.85 | (a) | 3551.46 |
| | 03/27/01 | | (a) | 61.61 | (a) | 3551.70 |
| | 10/03/01 | | (a) | 61.63 | (a) | 3551.68 |
| | 06/11/02 | | (a) | 61.47 | (a) | 3551.84 |
| | 01/29/03 | | (a) | 61.60 | (a) | 3551.71 |
| | 07/31/03 | | (a) | 61.64 | (a) | 3551.67 |
| | 03/22/04 | | (a) | 62.46 | (a) | 3550.85 |
| | 09/08/04 | | (a) | 63.43 | (a) | 3549.88 |
| | 03/29/05 | | (a) | 63.40 | (a) | 3549.91 |
| | 10/04/05 | | (a) | 64.31 | (a) | 3549.00 |
| | 03/23/06 | | (a) | 64.65 | (a) | 3548.66 |
| | 09/19/06 | | (a) | 64.80 | (a) | 3548.51 |
| | 03/13/07 | | (a) | 64.31 | (a) | 3549.00 |
| | 09/21/07 | | (a) | 64.32 | (a) | 3548.99 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-12 | 09/27/96 | 3606.38 | (a) | 55.58 | (a) | 3550.80 |
| | 07/23/97 | | (a) | 53.99 | (a) | 3552.39 |
| | 08/19/97 | | (a) | 53.96 | (a) | 3552.42 |
| | 10/30/97 | | (a) | 53.61 | (a) | 3552.77 |
| | 01/26/98 | | (a) | 53.55 | (a) | 3552.83 |
| | 05/25/98 | | (a) | 53.36 | (a) | 3553.02 |
| | 08/10/98 | | (a) | 53.30 | (a) | 3553.08 |
| | 10/11/98 | | (a) | 53.55 | (a) | 3552.83 |
| | 12/21/98 | | (a) | 53.65 | (a) | 3552.73 |
| | 03/23/99 | | (a) | 53.50 | (a) | 3552.88 |
| | 09/07/99 | | (a) | 52.79 | (a) | 3553.59 |
| | 03/27/00 | | (a) | 52.46 | (a) | 3553.92 |
| | 11/19/00 | | (a) | 53.18 | (a) | 3553.20 |
| | 03/27/01 | | (a) | 52.91 | (a) | 3553.47 |
| | 10/03/01 | | (a) | 52.91 | (a) | 3553.47 |
| | 06/11/02 | | (a) | 53.30 | (a) | 3553.08 |
| | 01/29/03 | | (a) | 53.95 | (a) | 3552.43 |
| | 07/31/03 | | (a) | 54.02 | (a) | 3552.36 |
| | 03/22/04 | | (a) | 54.62 | (a) | 3551.76 |
| | 09/08/04 | | (a) | 55.41 | (a) | 3550.97 |
| | 03/29/05 | | (a) | 55.83 | (a) | 3550.55 |
| | 10/04/05 | | (a) | 56.16 | (a) | 3550.22 |
| | 03/23/06 | | (a) | 56.80 | (a) | 3549.58 |
| | 09/19/06 | | (a) | 57.23 | (a) | 3549.15 |
| | 03/13/07 | | (a) | 56.37 | (a) | 3550.01 |
| | 09/21/07 | | (a) | 56.09 | (a) | 3550.29 |
| MW-13 | 09/27/96 | 3612.46 | (a) | 62.30 | (a) | 3550.16 |
| | 07/23/97 | | (a) | 61.85 | (a) | 3550.61 |
| | 08/19/97 | | (a) | 61.95 | (a) | 3550.51 |
| | 10/30/97 | | (a) | 61.68 | (a) | 3550.78 |
| | 01/26/98 | | (a) | 61.90 | (a) | 3550.56 |
| | 05/25/98 | | (a) | 61.79 | (a) | 3550.67 |
| | 08/10/98 | | (a) | 61.78 | (a) | 3550.68 |
| | 10/11/98 | | (a) | 61.88 | (a) | 3550.58 |
| | 12/21/98 | | (a) | 61.71 | (a) | 3550.75 |
| | 03/23/99 | | (a) | 61.83 | (a) | 3550.63 |
| | 09/07/99 | | (a) | 61.64 | (a) | 3550.82 |
| | 03/27/00 | | (a) | 61.33 | (a) | 3551.13 |
| | 11/19/00 | | (a) | 61.48 | (a) | 3550.98 |
| | 03/27/01 | | (a) | 61.05 | (a) | 3551.41 |
| | 10/03/01 | | (a) | 61.10 | (a) | 3551.36 |
| | 06/11/02 | | (a) | 61.05 | (a) | 3551.41 |
| | 01/29/03 | | (a) | 60.99 | (a) | 3551.47 |
| | 07/31/03 | | (a) | 61.33 | (a) | 3551.13 |
| | 03/22/04 | | (a) | 61.77 | (a) | 3550.69 |
| | 09/08/04 | | (a) | 63.02 | (a) | 3549.44 |
| | 03/29/05 | | (a) | 63.29 | (a) | 3549.17 |
| | 10/04/05 | | (a) | 63.61 | (a) | 3548.85 |
| | 03/23/06 | | (a) | 64.25 | (a) | 3548.21 |
| | 09/19/06 | | (a) | 64.65 | (a) | 3547.81 |
| | 03/13/07 | | (a) | 63.96 | (a) | 3548.50 |
| | 09/21/07 | | (a) | 64.14 | (a) | 3548.32 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-14 | 09/27/96 | 3604.83 | (a) | 53.38 | (a) | 3551.45 |
| | 07/23/97 | | (a) | 53.33 | (a) | 3551.50 |
| | 08/19/97 | | (a) | 53.06 | (a) | 3551.77 |
| | 10/30/97 | | (a) | 53.20 | (a) | 3551.63 |
| | 01/26/98 | | (a) | 53.41 | (a) | 3551.42 |
| | 05/25/98 | | (a) | 53.40 | (a) | 3551.43 |
| | 08/10/98 | | (a) | 53.43 | (a) | 3551.40 |
| | 10/11/98 | | (a) | 53.56 | (a) | 3551.27 |
| | 12/21/98 | | (a) | 53.53 | (a) | 3551.30 |
| | 03/23/99 | | (a) | 53.55 | (a) | 3551.28 |
| | 09/07/99 | | (a) | 53.41 | (a) | 3551.42 |
| | 03/27/00 | | (a) | 53.05 | (a) | 3551.78 |
| | 11/19/00 | | (a) | 52.95 | (a) | 3551.88 |
| | 03/27/01 | | (a) | 52.67 | (a) | 3552.16 |
| | 10/03/01 | | (a) | 52.61 | (a) | 3552.22 |
| | 06/11/02 | | (a) | 52.42 | (a) | 3552.41 |
| | 01/29/03 | | (a) | 52.51 | (a) | 3552.32 |
| | 07/31/03 | | (a) | 52.80 | (a) | 3552.03 |
| | 03/22/04 | | (a) | 53.51 | (a) | 3551.32 |
| | 09/08/04 | | (a) | 53.87 | (a) | 3550.96 |
| | 03/29/05 | | (a) | 54.28 | (a) | 3550.55 |
| | 10/04/05 | | (a) | 54.60 | (a) | 3550.23 |
| | 03/23/06 | | (a) | 54.89 | (a) | 3549.94 |
| | 09/19/06 | | (a) | 55.26 | (a) | 3549.57 |
| | 03/13/07 | | (a) | 55.16 | (a) | 3549.67 |
| | 09/21/07 | | (a) | 55.16 | (a) | 3549.67 |
| MW-15 | 09/27/96 | 3610.43 | (a) | 58.77 | (a) | 3551.66 |
| | 07/23/97 | | (a) | 58.75 | (a) | 3551.68 |
| | 08/19/97 | | (a) | 58.84 | (a) | 3551.59 |
| | 10/30/97 | | (a) | 58.83 | (a) | 3551.60 |
| | 01/26/98 | | (a) | 58.97 | (a) | 3551.46 |
| | 05/25/98 | | (a) | 58.96 | (a) | 3551.47 |
| | 08/10/98 | | (a) | 58.92 | (a) | 3551.51 |
| | 10/11/98 | | (a) | 59.02 | (a) | 3551.41 |
| | 12/21/98 | | (a) | 59.04 | (a) | 3551.39 |
| | 03/23/99 | | (a) | 59.09 | (a) | 3551.34 |
| | 09/07/99 | | (a) | 58.98 | (a) | 3551.45 |
| | 03/27/00 | | (a) | 59.03 | (a) | 3551.40 |
| | 11/19/00 | | (a) | 59.18 | (a) | 3551.25 |
| | 03/27/01 | | (a) | 59.07 | (a) | 3551.36 |
| | 10/03/01 | | (a) | 59.15 | (a) | 3551.28 |
| | 06/11/02 | | (a) | 59.16 | (a) | 3551.27 |
| | 01/29/03 | | (a) | 59.18 | (a) | 3551.25 |
| | 07/31/03 | | (a) | 59.15 | (a) | 3551.28 |
| | 03/22/04 | | (a) | 59.21 | (a) | 3551.22 |
| | 09/08/04 | | (a) | 59.32 | (a) | 3551.11 |
| | 03/29/05 | | (a) | 59.53 | (a) | 3550.90 |
| | 10/04/05 | | (a) | 59.61 | (a) | 3550.82 |
| | 03/23/06 | | (a) | 59.74 | (a) | 3550.69 |
| | 09/19/06 | | (a) | 59.81 | (a) | 3550.62 |
| | 03/13/07 | | (a) | 59.89 | (a) | 3550.54 |
| | 09/21/07 | | (a) | 60.02 | (a) | 3550.41 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-16 | 09/27/96 | 3612.41 | - | 67.16 | 4.01 | 3548.30 |
| | 07/23/97 | | - | 66.46 | 4.87 | 3549.65 |
| | 08/19/97 | | - | 66.54 | 4.89 | 3549.59 |
| | 10/31/97 | | 61.58 | 66.32 | 4.74 | 3549.69 |
| | 01/26/98 | | 61.55 | 66.12 | 4.57 | 3549.76 |
| | 05/25/98 | | 61.56 | 66.09 | 4.53 | 3549.76 |
| | 08/10/98 | | 61.49 | 66.31 | 4.82 | 3549.76 |
| | 10/11/98 | | 61.59 | 66.38 | 4.79 | 3549.67 |
| | 12/21/98 | | 61.59 | 66.17 | 4.58 | 3549.72 |
| | 03/23/99 | | 61.42 | 65.97 | 4.55 | 3549.90 |
| | 09/07/99 | | 61.40 | 66.14 | 4.74 | 3549.87 |
| | 03/27/00 | | 61.14 | 65.71 | 4.57 | 3550.17 |
| | 11/19/00 | | 61.30 | 65.79 | 4.49 | 3550.03 |
| | 02/12/01 | | 61.21 | 65.65 | 4.44 | 3550.13 |
| | 03/27/01 | | 61.13 | 65.57 | 4.44 | 3550.21 |
| | 10/03/01* | | 61.15 | 65.82 | 4.67 | 3550.14 |
| | 06/11/02 | | 61.12 | 65.65 | 4.53 | 3550.20 |
| | 07/31/03 | | 61.68 | 66.38 | 4.70 | 3549.60 |
| | 03/22/04 | | 62.67 | 65.90 | 3.23 | 3548.96 |
| | 09/08/04 | | 63.68 | 66.84 | 3.16 | 3547.97 |
| | 03/29/05 | | 64.82 | 67.71 | 2.89 | 3546.90 |
| | 10/05/05 | | 64.73 | 66.51 | 1.78 | 3547.25 |
| | 03/23/06 | | 65.60 | 67.70 | 2.10 | 3546.31 |
| | 09/19/06 | | 67.91 | 68.84 | 0.93 | 3544.28 |
| | 03/13/07 | | 66.37 | 66.53 | 0.16 | 3546.00 |
| | 09/21/07 | | 65.95 | 66.03 | 0.08 | 3546.44 |
| MW-17 | 09/27/96 | 3608.48 | (a) | 59.30 | (a) | 3549.18 |
| | 07/23/97 | | (a) | 58.79 | (a) | 3549.69 |
| | 08/19/97 | | (a) | 58.94 | (a) | 3549.54 |
| | 10/30/97 | | (a) | 58.85 | (a) | 3549.63 |
| | 01/26/98 | | (a) | 58.90 | (a) | 3549.58 |
| | 05/25/98 | | (a) | 58.83 | (a) | 3549.65 |
| | 08/10/98 | | (a) | 58.78 | (a) | 3549.70 |
| | 10/11/98 | | (a) | 58.93 | (a) | 3549.55 |
| | 12/21/98 | | (a) | 58.97 | (a) | 3549.51 |
| | 03/23/99 | | (a) | 58.87 | (a) | 3549.61 |
| | 09/07/99 | | (a) | 58.72 | (a) | 3549.76 |
| | 03/27/00 | | (a) | 58.56 | (a) | 3549.92 |
| | 11/19/00 | 3608.43 (d) | (a) | 58.76 | (a) | 3549.67 |
| | 02/12/01 | | (a) | 58.55 | (a) | 3549.88 |
| | 03/27/01 | | (a) | 58.49 | (a) | 3549.94 |
| | 10/03/01 | | (a) | 58.50 | (a) | 3549.93 |
| | 06/11/02 | | (a) | 58.45 | (a) | 3549.98 |
| | 01/29/03 | | (a) | 58.45 | (a) | 3549.98 |
| | 07/31/03 | | (a) | 58.87 | (a) | 3549.56 |
| | 03/22/04 | | (a) | 59.15 | (a) | 3549.28 |
| | 09/08/04 | | (a) | 59.54 | (a) | 3548.89 |
| | 03/29/05 | | (a) | 60.09 | (a) | 3548.34 |
| | 10/04/05 | | (a) | 60.45 | (a) | 3547.98 |
| | 03/23/06 | | (a) | 60.71 | (a) | 3547.72 |
| | 09/19/06 | | (a) | 62.16 | (a) | 3546.27 |
| | 03/13/07 | | (a) | 61.54 | (a) | 3546.89 |
| | 09/21/07 | | (a) | 61.74 | (a) | 3546.69 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-18 | 09/27/96 | 3609.73 | (a) | dry | (a) | NA |
| | 07/23/97 | | (a) | 58.29 | (a) | 3551.44 |
| | 08/19/97 | | (a) | 64.81 | (a) | still recovering |
| | 10/30/97 | | (a) | 58.61 | (a) | 3551.12 |
| | 01/26/98 | | (a) | 58.60 | (a) | 3551.13 |
| | 05/25/98 | | (a) | 58.51 | (a) | 3551.22 |
| | 08/10/98 | | (a) | 58.74 | (a) | 3550.99 |
| | 10/11/98 | | (a) | 59.02 | (a) | 3550.71 |
| | 12/21/98 | | (a) | 58.53 | (a) | 3551.20 |
| | 03/23/99 | | (a) | 58.70 | (a) | 3551.03 |
| | 09/07/99 | | (a) | 58.48 | (a) | 3551.25 |
| | 03/27/00 | | (a) | 58.51 | (a) | 3551.22 |
| | 11/19/00 | | (a) | 58.62 | (a) | 3551.11 |
| | 02/12/01 | | (a) | 58.58 | (a) | 3551.15 |
| | 03/27/01 | | (a) | 58.57 | (a) | 3551.16 |
| | 10/03/01 | | (a) | 58.67 | (a) | 3551.06 |
| | 06/11/02 | | (a) | 58.63 | (a) | 3551.10 |
| | 01/29/03 | | (a) | 58.67 | (a) | 3551.06 |
| | 07/31/03 | | (a) | 58.71 | (a) | 3551.02 |
| | 03/22/04 | | (a) | 58.78 | (a) | 3550.95 |
| | 09/08/04 | | (a) | 58.85 | (a) | 3550.88 |
| | 03/29/05 | | (a) | 58.95 | (a) | 3550.78 |
| | 10/04/05 | | (a) | 59.09 | (a) | 3550.64 |
| | 03/23/06 | | (a) | 59.20 | (a) | 3550.53 |
| | 09/19/06 | | (a) | 58.29 | (a) | 3551.44 |
| | 03/13/07 | | (a) | 59.43 | (a) | 3550.30 |
| | 09/21/07 | | (a) | 59.55 | (a) | 3550.18 |
| MW-19 | 09/27/96 | 3608.17 | (a) | 57.95 | (a) | 3550.22 |
| | 07/23/97 | | (a) | 56.03 | (a) | 3552.14 |
| | 08/19/97 | | (a) | 56.20 | (a) | 3551.97 |
| | 10/30/97 | | (a) | 56.17 | (a) | 3552.00 |
| | 01/26/98 | | (a) | 56.28 | (a) | 3551.89 |
| | 05/25/98 | | (a) | 56.29 | (a) | 3551.88 |
| | 08/10/98 | | (a) | 56.38 | (a) | 3551.79 |
| | 10/11/98 | | (a) | 56.39 | (a) | 3551.78 |
| | 12/21/98 | | (a) | 56.41 | (a) | 3551.76 |
| | 03/23/99 | | (a) | 56.41 | (a) | 3551.76 |
| | 09/07/99 | | (a) | 56.35 | (a) | 3551.82 |
| | 03/27/00 | | (a) | 56.37 | (a) | 3551.80 |
| | 11/19/00 | | (a) | 56.52 | (a) | 3551.65 |
| | 03/27/01 | | (a) | 56.43 | (a) | 3551.74 |
| | 10/03/01 | | (a) | 56.50 | (a) | 3551.67 |
| | 06/11/02 | | (a) | 56.54 | (a) | 3551.63 |
| | 01/29/03 | | (a) | 56.58 | (a) | 3551.59 |
| | 07/31/03 | | (a) | 56.59 | (a) | 3551.58 |
| | 03/22/04 | | (a) | 56.65 | (a) | 3551.52 |
| | 09/08/04 | | (a) | 56.75 | (a) | 3551.42 |
| | 03/29/05 | | (a) | 56.90 | (a) | 3551.27 |
| | 10/04/05 | | (a) | 56.98 | (a) | 3551.19 |
| | 03/23/06 | | (a) | 57.08 | (a) | 3551.09 |
| | 09/19/06 | | (a) | 57.07 | (a) | 3551.10 |
| | 03/13/07 | | (a) | 57.06 | (a) | 3551.11 |
| | 09/21/07 | | (a) | 57.18 | (a) | 3550.99 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-20 | 08/19/97 | 3600.65 | (a) | 49.50 | (a) | 3551.15 |
| | 10/30/97 | | (a) | 49.47 | (a) | 3551.18 |
| | 01/26/98 | | (a) | 49.37 | (a) | 3551.28 |
| | 05/25/98 | | (a) | 49.21 | (a) | 3551.44 |
| | 08/10/98 | | (a) | 49.41 | (a) | 3551.24 |
| | 10/11/98 | | (a) | 49.68 | (a) | 3550.97 |
| | 12/21/98 | | (a) | 49.62 | (a) | 3551.03 |
| | 03/23/99 | | (a) | 49.38 | (a) | 3551.27 |
| | 09/07/99 | | (a) | 48.55 | (a) | 3552.10 |
| | 03/27/00 | | (a) | 48.21 | (a) | 3552.44 |
| | 11/19/00 | | (a) | 49.10 | (a) | 3551.55 |
| | 03/27/01 | | (a) | 48.62 | (a) | 3552.03 |
| | 10/03/01 | | (a) | 48.82 | (a) | 3551.83 |
| | 06/11/02 | | (a) | 48.98 | (a) | 3551.67 |
| | 01/29/03 | | (a) | 49.31 | (a) | 3551.34 |
| | 07/31/03 | | (a) | 49.50 | (a) | 3551.15 |
| | 03/22/04 | | (a) | 50.35 | (a) | 3550.30 |
| | 09/08/04 | | (a) | 51.23 | (a) | 3549.42 |
| | 03/29/05 | | (a) | 51.75 | (a) | 3548.90 |
| | 10/04/05 | | (a) | 51.95 | (a) | 3548.70 |
| | 03/23/06 | | (a) | 52.81 | (a) | 3547.84 |
| | 09/19/06 | | (a) | 53.41 | (a) | 3547.24 |
| | 03/13/07 | | (a) | 52.11 | (a) | 3548.54 |
| | 09/21/07 | | (a) | 51.96 | (a) | 3548.69 |
| MW-21 | 08/07/97 | 3612.01 | (a) | 63.64 | (a) | 3548.37 |
| | 10/30/97 | | (a) | 62.58 | (a) | 3549.43 |
| | 01/26/98 | | (a) | 62.76 | (a) | 3549.25 |
| | 05/25/98 | | (a) | 62.57 | (a) | 3549.44 |
| | 08/10/98 | | (a) | 62.47 | (a) | 3549.54 |
| | 10/11/98 | | (a) | 62.60 | (a) | 3549.41 |
| | 12/21/98 | | (a) | 62.59 | (a) | 3549.42 |
| | 03/23/99 | | (a) | 62.50 | (a) | 3549.51 |
| | 09/07/99 | | (a) | 62.27 | (a) | 3549.74 |
| | 03/27/00 | | (a) | 62.10 | (a) | 3549.91 |
| | 11/19/00 | 3611.99 (d) | (a) | 62.37 | (a) | 3549.62 |
| | 02/12/01 | | (a) | 62.14 | (a) | 3549.85 |
| | 03/27/01 | | (a) | 61.99 | (a) | 3550.00 |
| | 10/03/01 | | (a) | 61.99 | (a) | 3550.00 |
| | 06/11/02 | | (a) | 62.00 | (a) | 3549.99 |
| | 01/29/03 | | (a) | 61.96 | (a) | 3550.03 |
| | 07/31/03 | | (a) | 61.40 | (a) | 3550.59 |
| | 03/22/04 | | (a) | 61.97 | (a) | 3550.02 |
| | 09/08/04 | | (a) | 63.10 | (a) | 3548.89 |
| | 03/29/05 | | (a) | 63.62 | (a) | 3548.37 |
| | 10/05/05 | | (a) | 64.67 | (a) | 3547.32 |
| | 03/23/06 | | (a) | 64.85 | (a) | 3547.14 |
| | 09/19/06 | | (a) | 65.38 | (a) | 3546.61 |
| | 03/13/07 | | (a) | 64.85 | (a) | 3547.14 |
| | 09/21/07 | | (a) | 65.20 | (a) | 3546.79 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-22 | 08/19/97 | 3606.04 | (a) | 55.36 | (a) | 3550.68 |
| | 10/30/97 | | (a) | 55.24 | (a) | 3550.80 |
| | 01/26/98 | | (a) | 55.19 | (a) | 3550.85 |
| | 05/25/98 | | (a) | 54.99 | (a) | 3551.05 |
| | 08/10/98 | | (a) | 54.93 | (a) | 3551.11 |
| | 10/11/98 | | (a) | 55.09 | (a) | 3550.95 |
| | 12/21/98 | | (a) | 55.18 | (a) | 3550.86 |
| | 03/23/99 | | (a) | 55.04 | (a) | 3551.00 |
| | 09/07/99 | | (a) | 54.72 | (a) | 3551.32 |
| | 03/27/00 | | (a) | 54.41 | (a) | 3551.63 |
| | 11/19/00 | | (a) | 54.65 | (a) | 3551.39 |
| | 03/27/01 | | (a) | 54.36 | (a) | 3551.68 |
| | 10/03/01 | | (a) | 54.34 | (a) | 3551.70 |
| | 06/11/02 | | (a) | 54.31 | (a) | 3551.73 |
| | 01/29/03 | | (a) | 54.35 | (a) | 3551.69 |
| | 07/31/03 | | (a) | 54.52 | (a) | 3551.52 |
| | 03/22/04 | | (a) | 55.28 | (a) | 3550.76 |
| | 09/08/04 | | (a) | 56.25 | (a) | 3549.79 |
| | 03/29/05 | | (a) | 56.52 | (a) | 3549.52 |
| | 10/04/05 | | (a) | 56.83 | (a) | 3549.21 |
| | 03/23/06 | | (a) | 57.43 | (a) | 3548.61 |
| | 09/19/06 | | (a) | 57.65 | (a) | 3548.39 |
| | 03/13/07 | | (a) | 57.10 | (a) | 3548.94 |
| | 09/21/07 | | (a) | 57.07 | (a) | 3548.97 |
| MW-26 | 10/11/98 | 3597.75 (c) | (a) | 47.31 | (a) | 3550.44 |
| | 10/29/98 | | (a) | 47.53 | (a) | 3550.22 |
| | 12/21/98 | | (a) | 47.24 | (a) | 3550.51 |
| | 03/23/99 | | (a) | 46.86 | (a) | 3550.89 |
| | 09/07/99 | | (a) | 46.07 | (a) | 3551.68 |
| | 03/27/00 | | (a) | 45.70 | (a) | 3552.05 |
| | 11/19/00 | | (a) | 46.83 | (a) | 3550.92 |
| | 03/27/01 | | (a) | 46.23 | (a) | 3551.52 |
| | 10/03/01 | | (a) | 46.58 | (a) | 3551.17 |
| | 06/11/02 | | (a) | 46.71 | (a) | 3551.04 |
| | 01/29/03 | | (a) | 47.21 | (a) | 3550.54 |
| | 07/31/03 | | (a) | 47.55 | (a) | 3550.20 |
| | 03/22/04 | | (a) | 48.21 | (a) | 3549.54 |
| | 09/08/04 | | (a) | 49.04 | (a) | 3548.71 |
| | 03/29/05 | | (a) | 49.40 | (a) | 3548.35 |
| | 10/04/05 | | (a) | 49.76 | (a) | 3547.99 |
| | 03/23/06 | | (a) | 50.28 | (a) | 3547.47 |
| | 09/19/06 | | (a) | 51.05 | (a) | 3546.70 |
| | 03/13/07 | | (a) | 50.15 | (a) | 3547.60 |
| | 09/21/07 | | (a) | 50.02 | (a) | 3547.73 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-27 | 10/11/98 | 3615.11 (c) | 64.85 | 68.00 | 3.15 | 3549.50 |
| | 12/21/98 | | 64.83 | 68.03 | 3.20 | 3549.51 |
| | 03/23/99 | | 64.78 | 67.91 | 3.13 | 3549.58 |
| | 09/07/99 | | 64.53 | 67.67 | 3.14 | 3549.83 |
| | 03/27/00 | | 64.40 | 67.53 | 3.13 | 3549.96 |
| | 11/19/00 | 3615.11 (d) | 64.59 | 67.51 | 2.92 | 3549.82 |
| | 02/12/01 | | 64.40 | 67.53 | 3.13 | 3549.96 |
| | 03/27/01 | | 64.28 | 67.57 | 3.29 | 3550.04 |
| | 10/03/01* | | 64.17 | 67.39 | 3.22 | 3550.17 |
| | 06/11/02 | | 64.18 | 67.23 | 3.05 | 3550.20 |
| | 01/29/03 | | 64.20 | 67.30 | 3.10 | 3550.17 |
| | 07/31/03 | | 64.58 | 67.43 | 2.85 | 3549.85 |
| | 03/22/04 | | 65.14 | 67.95 | 2.81 | 3549.30 |
| | 09/08/04 | | 65.90 | 69.62 | 3.72 | 3548.32 |
| | 03/29/05 | | 66.57 | 68.87 | 2.30 | 3547.99 |
| | 10/05/05 | | 67.11 | 70.30 | 3.19 | 3547.23 |
| | 03/23/06 | | 67.39 | 69.55 | 2.16 | 3547.20 |
| | 09/19/06 | | 67.75 | 70.43 | 2.68 | 3546.72 |
| | 03/13/07 | | 67.80 | 68.12 | 0.32 | 3547.23 |
| | 09/21/07 | | 67.90 | 68.44 | 0.54 | 3547.08 |
| MW-28 | 11/19/00 | 3615.90 (d) | (a) | 65.91 | (a) | 3549.99 |
| | 02/12/01 | | (a) | 65.84 | (a) | 3550.06 |
| | 03/27/01 | | (a) | 65.77 | (a) | 3550.13 |
| | 10/03/01 | | (a) | 65.75 | (a) | 3550.15 |
| | 06/11/02 | | (a) | 65.68 | (a) | 3550.22 |
| | 01/29/03 | | (a) | 65.64 | (a) | 3550.26 |
| | 07/31/03 | | (a) | 65.83 | (a) | 3550.07 |
| | 03/22/04 | | (a) | 66.35 | (a) | 3549.55 |
| | 09/08/04 | | (a) | 66.85 | (a) | 3549.05 |
| | 03/29/05 | | (a) | 67.35 | (a) | 3548.55 |
| | 10/05/05 | | (a) | 67.83 | (a) | 3548.07 |
| | 03/23/06 | | (a) | 68.03 | (a) | 3547.87 |
| | 09/19/06 | | (a) | 68.41 | (a) | 3547.49 |
| | 03/13/07 | | (a) | 68.35 | (a) | 3547.55 |
| | 09/21/07 | | (a) | 68.51 | (a) | 3547.39 |
| MW-29 | 11/19/00 | 3613.54 (d) | (a) | 64.85 | (a) | 3548.69 |
| | 02/12/01 | | (a) | 64.61 | (a) | 3548.93 |
| | 03/27/01 | | (a) | 64.47 | (a) | 3549.07 |
| | 10/03/01 | | (a) | 64.51 | (a) | 3549.03 |
| | 06/11/02 | | (a) | 64.67 | (a) | 3548.87 |
| | 01/29/03 | | (a) | 64.80 | (a) | 3548.74 |
| | 07/31/03 | | (a) | 65.05 | (a) | 3548.49 |
| | 03/22/04 | | (a) | 65.44 | (a) | 3548.10 |
| | 09/08/04 | | (a) | 65.91 | (a) | 3547.63 |
| | 03/29/05 | | (a) | 66.13 | (a) | 3547.41 |
| | 10/05/05 | | (a) | 66.61 | (a) | 3546.93 |
| | 03/23/06 | | (a) | 66.68 | (a) | 3546.86 |
| | 09/19/06 | | (a) | 67.63 | (a) | 3545.91 |
| | 03/13/07 | | (a) | 67.60 | (a) | 3545.94 |
| | 09/21/07 | | (a) | 67.68 | (a) | 3545.86 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-30 | 11/19/00 | 3612.63 (d) | (a) | 63.27 | (a) | 3549.36 |
| | 02/12/01 | | (a) | 62.96 | (a) | 3549.67 |
| | 03/27/01 | | (a) | 62.88 | (a) | 3549.75 |
| | 10/03/01 | | (a) | 62.79 | (a) | 3549.84 |
| | 06/11/02 | | (a) | 62.75 | (a) | 3549.88 |
| | 01/29/03 | | (a) | 62.75 | (a) | 3549.88 |
| | 07/31/03 | | (a) | 62.93 | (a) | 3549.70 |
| | 03/22/04 | | (a) | 63.37 | (a) | 3549.26 |
| | 09/08/04 | | (a) | 63.79 | (a) | 3548.84 |
| | 03/29/05 | | (a) | 64.30 | (a) | 3548.33 |
| | 10/05/05 | | (a) | 64.96 | (a) | 3547.67 |
| | 03/23/06 | | (a) | 64.95 | (a) | 3547.68 |
| | 09/19/06 | | (a) | 65.29 | (a) | 3547.34 |
| | 03/13/07 | | (a) | 65.38 | (a) | 3547.25 |
| | 09/21/07 | | (a) | 65.53 | (a) | 3547.10 |
| MW-31 | 10/03/01 | 3611.59 (e) | (a) | 62.37 | (a) | 3549.22 |
| | 06/11/02 | | (a) | 62.41 | (a) | 3549.18 |
| | 01/29/03 | | (a) | 62.30 | (a) | 3549.29 |
| | 07/31/03 | | (a) | 62.38 | (a) | 3549.21 |
| | 03/22/04 | | (a) | 62.51 | (a) | 3549.08 |
| | 09/08/04 | | (a) | 62.75 | (a) | 3548.84 |
| | 03/29/05 | | (a) | 62.91 | (a) | 3548.68 |
| | 10/05/05 | | (a) | 63.13 | (a) | 3548.46 |
| | 03/23/06 | | (a) | 63.37 | (a) | 3548.22 |
| | 09/19/06 | | (a) | 63.47 | (a) | 3548.12 |
| | 03/13/07 | | (a) | 63.48 | (a) | 3548.11 |
| | 09/21/07 | | (a) | 63.71 | (a) | 3547.88 |
| MW-32 | 10/03/01 | 3608.73 (e) | (a) | 60.65 | (a) | 3548.08 |
| | 06/11/02 | | (a) | 60.75 | (a) | 3547.98 |
| | 01/29/03 | | (a) | 61.05 | (a) | 3547.68 |
| | 07/31/03 | | (a) | 61.30 | (a) | 3547.43 |
| | 03/22/04 | | (a) | 61.66 | (a) | 3547.07 |
| | 09/08/04 | | (a) | 62.09 | (a) | 3546.64 |
| | 03/29/05 | | (a) | 62.03 | (a) | 3546.70 |
| | 10/05/05 | | (a) | 62.78 | (a) | 3545.95 |
| | 03/23/06 | | (a) | 62.62 | (a) | 3546.11 |
| | 09/19/06 | | (a) | 63.18 | (a) | 3545.55 |
| | 03/13/07 | | (a) | 63.52 | (a) | 3545.21 |
| | 09/21/07 | | (a) | 64.11 | (a) | 3544.62 |
| MW-33 | 10/03/01 | 3610.55 (e) | (a) | 61.87 | (a) | 3548.68 |
| | 06/11/02 | | (a) | 61.85 | (a) | 3548.70 |
| | 01/29/03 | | (a) | 61.83 | (a) | 3548.72 |
| | 07/31/03 | | (a) | 61.95 | (a) | 3548.60 |
| | 03/22/04 | | (a) | 62.19 | (a) | 3548.36 |
| | 09/08/04 | | (a) | 62.41 | (a) | 3548.14 |
| | 03/29/05 | | (a) | 62.66 | (a) | 3547.89 |
| | 10/05/05 | | (a) | 62.87 | (a) | 3547.68 |
| | 03/23/06 | | (a) | 63.06 | (a) | 3547.49 |
| | 09/19/06 | | (a) | 63.21 | (a) | 3547.34 |
| | 03/13/07 | | (a) | 63.27 | (a) | 3547.28 |
| | 09/21/07 | | (a) | 63.45 | (a) | 3547.10 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-34 | 01/29/03 | 3605.05 (f) | (a) | 57.63 | (a) | 3547.42 |
| | 07/31/03 | | (a) | 57.96 | (a) | 3547.09 |
| | 03/22/04 | | (a) | 58.36 | (a) | 3546.69 |
| | 09/08/04 | | (a) | 58.74 | (a) | 3546.31 |
| | 03/29/05 | | (a) | 58.81 | (a) | 3546.24 |
| | 10/05/05 | | (a) | 59.40 | (a) | 3545.65 |
| | 03/23/06 | | (a) | 59.51 | (a) | 3545.54 |
| | 09/19/06 | | (a) | 60.05 | (a) | 3545.00 |
| | 03/13/07 | | (a) | 60.12 | (a) | 3544.93 |
| | 09/21/07 | | (a) | 60.61 | (a) | 3544.44 |
| MW-35 | 01/29/03 | 3601.87 (f) | (a) | 54.56 | (a) | 3547.31 |
| | 07/31/03 | | (a) | 54.93 | (a) | 3546.94 |
| | 03/22/04 | | (a) | 55.29 | (a) | 3546.58 |
| | 09/08/04 | | (a) | 55.73 | (a) | 3546.14 |
| | 03/29/05 | | (a) | 55.69 | (a) | 3546.18 |
| | 10/05/05 | | (a) | 56.38 | (a) | 3545.49 |
| | 03/23/06 | | (a) | 56.50 | (a) | 3545.37 |
| | 09/19/06 | | (a) | 57.04 | (a) | 3544.83 |
| | 03/13/07 | | (a) | 56.97 | (a) | 3544.90 |
| | 09/21/07 | | (a) | 57.48 | (a) | 3544.39 |
| MW-36 | 03/22/04 | 3601.97 (g) | (a) | 54.72 | (a) | 3547.25 |
| | 09/08/04 | | (a) | 55.02 | (a) | 3546.95 |
| | 03/29/05 | | (a) | 55.14 | (a) | 3546.83 |
| | 10/05/05 | | (a) | 55.60 | (a) | 3546.37 |
| | 03/23/06 | | (a) | 55.93 | (a) | 3546.04 |
| | 09/19/06 | | (a) | 56.28 | (a) | 3545.69 |
| | 03/13/07 | | (a) | 56.30 | (a) | 3545.67 |
| | 09/21/07 | | (a) | 56.61 | (a) | 3545.36 |
| MW-37 | 03/22/04 | 3599.86 (g) | (a) | 53.45 | (a) | 3546.41 |
| | 09/08/04 | | (a) | 53.82 | (a) | 3546.04 |
| | 03/29/05 | | (a) | 53.81 | (a) | 3546.05 |
| | 10/05/05 | | (a) | 54.46 | (a) | 3545.40 |
| | 03/23/06 | | (a) | 54.59 | (a) | 3545.27 |
| | 09/19/06 | | (a) | 55.21 | (a) | 3544.65 |
| | 03/13/07 | | (a) | 55.09 | (a) | 3544.77 |
| | 09/21/07 | | (a) | 55.59 | (a) | 3544.27 |
| MW-38 | 03/22/04 | 3598.11 (g) | (a) | 43.80 | (a) | 3554.31 |
| | 09/08/04 | | (a) | 45.11 | (a) | 3553.00 |
| | 03/29/05 | | (a) | 45.06 | (a) | 3553.05 |
| | 10/05/05 | | (a) | 48.18 | (a) | 3549.93 |
| | 03/23/06 | | (a) | 46.38 | (a) | 3551.73 |
| | 09/19/06 | | (a) | 44.25 | (a) | 3553.86 |
| | 03/13/07 | | (a) | 43.30 | (a) | 3554.81 |
| | 09/21/07 | | (a) | 41.54 | (a) | 3556.57 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-23 D | 08/19/97 | 3605.16 | (a) | 62.05 | (a) | 3543.11 |
| | 10/30/97 | | (a) | 59.11 | (a) | 3546.05 |
| | 01/26/98 | | (a) | 56.19 | (a) | 3548.97 |
| | 05/06/98 | 3605.23 (b) | (a) | 59.01 | (a) | 3546.22 |
| | 05/07/98 | | (a) | 59.08 | (a) | 3546.15 |
| | 05/25/98 | | (a) | 60.35 | (a) | 3544.88 |
| | 08/10/98 | | (a) | 63.46 | (a) | 3541.77 |
| | 10/11/98 | 3605.00 (c) | (a) | 61.26 | (a) | 3543.74 |
| | 10/19/98 | | (a) | 60.92 | (a) | 3544.08 |
| | 12/21/98 | | (a) | 57.68 | (a) | 3547.32 |
| | 03/23/99 | | (a) | 56.42 | (a) | 3548.58 |
| | 09/07/99 | | (a) | 61.13 | (a) | 3543.87 |
| | 03/27/00 | | (a) | 57.14 | (a) | 3547.86 |
| | 11/19/00 | | (a) | 59.80 | (a) | 3545.20 |
| | 03/27/01 | | (a) | 56.89 | (a) | 3548.11 |
| | 10/03/01 | | (a) | 62.57 | (a) | 3542.43 |
| | 06/11/02 | | (a) | 62.93 | (a) | 3542.07 |
| | 01/29/03 | | (a) | 59.51 | (a) | 3545.49 |
| | 07/31/03 | | (a) | 66.97 | (a) | 3538.03 |
| | 03/22/04 | | (a) | 62.15 | (a) | 3542.85 |
| | 09/08/04 | | (a) | 67.11 | (a) | 3537.89 |
| | 03/29/05 | | (a) | 61.75 | (a) | 3543.25 |
| | 10/04/05 | | (a) | 67.34 | (a) | 3537.66 |
| | 03/23/06 | | (a) | 64.32 | (a) | 3540.68 |
| | 09/19/06 | | (a) | 67.23 | (a) | 3537.77 |
| | 03/13/07 | | (a) | 62.70 | (a) | 3542.30 |
| | 09/21/07 | | (a) | 67.03 | (a) | 3537.97 |
| MW-24 D | 10/11/98 | 3595.95 (c) | (a) | 52.70 | (a) | 3543.25 |
| | 10/19/98 | | (a) | 52.39 | (a) | 3543.56 |
| | 10/29/98 | | (a) | 51.51 | (a) | 3544.44 |
| | 12/21/98 | | (a) | 49.24 | (a) | 3546.71 |
| | 03/23/99 | | (a) | 47.80 | (a) | 3548.15 |
| | 09/07/99 | | (a) | 52.21 | (a) | 3543.74 |
| | 03/27/00 | | (a) | 48.19 | (a) | 3547.76 |
| | 11/19/00 | | (a) | 51.19 | (a) | 3544.76 |
| | 03/27/01 | | (a) | 48.07 | (a) | 3547.88 |
| | 10/03/01 | | (a) | 53.99 | (a) | 3541.96 |
| | 06/11/02 | | (a) | 53.81 | (a) | 3542.14 |
| | 01/29/03 | | (a) | 50.73 | (a) | 3545.22 |
| | 07/31/03 | | (a) | 57.65 | (a) | 3538.30 |
| | 03/22/04 | | (a) | 53.20 | (a) | 3542.75 |
| | 09/08/04 | | (a) | 58.11 | (a) | 3537.84 |
| | 03/29/05 | | (a) | 52.70 | (a) | 3543.25 |
| | 10/04/05 | | (a) | 57.99 | (a) | 3537.96 |
| | 03/23/06 | | (a) | 55.11 | (a) | 3540.84 |
| | 09/19/06 | | (a) | 57.88 | (a) | 3538.07 |
| | 03/13/07 | | (a) | 53.75 | (a) | 3542.20 |
| | 09/21/07 | | (a) | 57.90 | (a) | 3538.05 |

## Table 1. Summary of Groundwater Surface Elevations
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-25 D | 10/11/98 | 3592.99 (c) | (a) | 48.59 | (a) | 3544.40 |
| | 10/19/98 | | (a) | 48.55 | (a) | 3544.44 |
| | 10/29/98 | | (a) | 48.19 | (a) | 3544.80 |
| | 12/21/98 | | (a) | 47.01 | (a) | 3545.98 |
| | 03/23/99 | | (a) | 45.42 | (a) | 3547.57 |
| | 09/07/99 | | (a) | 46.46 | (a) | 3546.53 |
| | 03/27/00 | | (a) | 44.73 | (a) | 3548.26 |
| | 11/19/00 | | (a) | 47.96 | (a) | 3545.03 |
| | 03/27/01 | | (a) | 45.36 | (a) | 3547.63 |
| | 10/03/01 | | (a) | 48.48 | (a) | 3544.51 |
| | 06/11/02 | | (a) | 47.65 | (a) | 3545.34 |
| | 01/29/03 | | (a) | 47.94 | (a) | 3545.05 |
| | 07/31/03 | | (a) | 50.63 | (a) | 3542.36 |
| | 03/22/04 | | (a) | 49.41 | (a) | 3543.58 |
| | 09/08/04 | | (a) | 52.55 | (a) | 3540.44 |
| | 03/29/05 | | (a) | 49.31 | (a) | 3543.68 |
| | 10/04/05 | | (a) | 53.14 | (a) | 3539.85 |
| | 03/23/06 | | (a) | 51.05 | (a) | 3541.94 |
| | 09/19/06 | | (a) | 54.13 | (a) | 3538.86 |
| | 03/13/07 | | (a) | 50.55 | (a) | 3542.44 |
| | 09/21/07 | | (a) | 53.03 | (a) | 3539.96 |
| Well #2 | 05/06/98 | 3615.28 (b) | (a) | 65.48 | (a) | 3549.80 |
| | 05/07/98 | | (a) | 65.51 | (a) | 3549.77 |
| Well #5 | 05/06/98 | 3635.39 (b) | (a) | 83.75 | (a) | 3551.64 |
| | 05/07/98 | | (a) | 83.79 | (a) | 3551.60 |

NOTES:
PSH - Phase separated hydrocarbon
Corrections to ground water surface elevation for PSH is calculated assuming a specific gravity of 0.76
(NA) Information not available
(a) Not applicable since no measurable thickness of PSH is present
(b) Elevation based on survey by Wagener Engineering dated 5/6/98
(c) Elevation based on survey by Wagener Engineering dated 9/17/98
(d) Elevation based on survey by Wagener Engineering dated 11/29/00
(e) Elevation based on survey by Wagener Engineering dated 10/03/01
(f) Elevation based on survey by Cypress Engineering dated 03/14/03
(g) Elevation based on survey by Cypress Engineering dated 06/23/07

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-1 | 01/29/03 | NA | (a) | 60.39 | (a) | NA |
| | 07/31/03 | | (a) | 60.66 | (a) | NA |
| | 03/22/04 | | (a) | 60.07 | (a) | NA |
| | 09/08/04 | | (a) | 61.38 | (a) | NA |
| | 03/29/05 | | (a) | 61.26 | (a) | NA |
| | 10/05/05 | | (a) | 62.03 | (a) | NA |
| | 03/23/06 | | (a) | 61.85 | (a) | NA |
| | 09/19/06 | | (a) | 62.31 | (a) | NA |
| | 03/13/07 | | (a) | 62.77 | (a) | NA |
| | 09/21/07 | | (a) | 63.45 | (a) | NA |
| MPE-2 | 01/29/03 | NA | (a) | 59.18 | (a) | NA |
| | 07/31/03 | | (a) | 59.82 | (a) | NA |
| | 03/22/04 | | (a) | 60.88 | (a) | NA |
| | 09/08/04 | | (a) | 60.45 | (a) | NA |
| | 03/29/05 | | (a) | 60.27 | (a) | NA |
| | 10/05/05 | | (a) | 61.17 | (a) | NA |
| | 03/23/06 | | (a) | 61.20 | (a) | NA |
| | 09/19/06 | | (a) | 61.75 | (a) | NA |
| | 03/13/07 | | (a) | 61.88 | (a) | NA |
| | 09/21/07 | | (a) | 62.52 | (a) | NA |
| MPE-3 | 01/29/03 | NA | (a) | 62.33 | (a) | NA |
| | 07/31/03 | | (a) | 62.85 | (a) | NA |
| | 03/22/04 | | (a) | 63.10 | (a) | NA |
| | 09/08/04 | | (a) | 63.60 | (a) | NA |
| | 03/29/05 | | (a) | 63.57 | (a) | NA |
| | 10/05/05 | | (a) | 64.90 | (a) | NA |
| | 03/23/06 | | (a) | 64.10 | (a) | NA |
| | 09/19/06 | | (a) | 64.65 | (a) | NA |
| | 03/13/07 | | (a) | 65.05 | (a) | NA |
| | 09/21/07 | | (a) | 65.62 | (a) | NA |
| MPE-4 | 01/29/03 | NA | (a) | 63.37 | (a) | NA |
| | 07/31/03 | | (a) | 63.54 | (a) | NA |
| | 03/22/04 | | (a) | 63.81 | (a) | NA |
| | 09/08/04 | | (a) | 64.30 | (a) | NA |
| | 03/29/05 | | (a) | 64.29 | (a) | NA |
| | 10/05/05 | | (a) | 64.29 | (a) | NA |
| | 03/23/06 | | (a) | 64.78 | (a) | NA |
| | 09/19/06 | | (a) | 65.45 | (a) | NA |
| | 03/13/07 | | (a) | 62.77 | (a) | NA |
| | 09/21/07 | | (a) | 66.15 | (a) | NA |
| MPE-5 | 01/29/03 | NA | (a) | 63.78 | (a) | NA |
| | 07/31/03 | | (a) | 63.95 | (a) | NA |
| | 03/22/04 | | (a) | 64.19 | (a) | NA |
| | 09/08/04 | | (a) | 64.80 | (a) | NA |
| | 03/29/05 | | (a) | 64.84 | (a) | NA |
| | 10/05/05 | | (a) | 65.39 | (a) | NA |
| | 03/23/06 | | (a) | 65.60 | (a) | NA |
| | 09/19/06 | | (a) | 66.36 | (a) | NA |
| | 03/13/07 | | (a) | 65.86 | (a) | NA |
| | 09/21/07 | | (a) | 66.83 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-6 | 01/29/03 | NA | (a) | 65.00 | (a) | NA |
| | 07/31/03 | | (a) | 65.17 | (a) | NA |
| | 03/22/04 | | (a) | 65.44 | (a) | NA |
| | 09/08/04 | | (a) | 66.02 | (a) | NA |
| | 03/29/05 | | (a) | 65.91 | (a) | NA |
| | 10/05/05 | | (a) | 66.66 | (a) | NA |
| | 03/23/06 | | (a) | 66.53 | (a) | NA |
| | 09/19/06 | | (a) | 67.07 | (a) | NA |
| | 03/13/07 | | (a) | 67.40 | (a) | NA |
| | 09/21/07 | | (a) | 67.98 | (a) | NA |
| MPE-7 | 01/29/03 | NA | (a) | 63.93 | (a) | NA |
| | 07/31/03 | | (a) | 63.88 | (a) | NA |
| | 03/22/04 | | (a) | 64.45 | (a) | NA |
| | 09/08/04 | | (a) | 65.25 | (a) | NA |
| | 03/29/05 | | (a) | 65.71 | (a) | NA |
| | 10/05/05 | | (a) | 66.20 | (a) | NA |
| | 03/23/06 | | (a) | 66.36 | (a) | NA |
| | 09/19/06 | | (a) | 66.93 | (a) | NA |
| | 03/13/07 | | (a) | 66.58 | (a) | NA |
| | 09/21/07 | | (a) | 67.16 | (a) | NA |
| MPE-8 | 01/29/03 | NA | (a) | 62.43 | (a) | NA |
| | 07/31/03 | | (a) | 62.74 | (a) | NA |
| | 03/22/04 | | (a) | 63.14 | (a) | NA |
| | 09/08/04 | | (a) | 63.70 | (a) | NA |
| | 03/29/05 | | (a) | 64.00 | (a) | NA |
| | 10/05/05 | | (a) | 64.35 | (a) | NA |
| | 03/23/06 | | (a) | 64.85 | (a) | NA |
| | 09/19/06 | | (a) | 66.20 | (a) | NA |
| | 03/13/07 | | (a) | 66.45 | (a) | NA |
| | 09/21/07 | | (a) | 65.25 | (a) | NA |
| MPE-9 | 01/29/03 | NA | 63.96 | 66.65 | 2.69 | NA |
| | 07/31/03 | | 64.05 | 67.46 | 3.41 | NA |
| | 03/22/04 | | 63.47 | 67.30 | 3.83 | NA |
| | 09/08/04 | | 65.51 | 68.41 | 2.90 | NA |
| | 03/29/05 | | 66.35 | 68.40 | 2.05 | NA |
| | 10/05/05 | | 66.93 | 69.29 | 2.36 | NA |
| | 03/23/06 | | 67.50 | 68.00 | 0.50 | NA |
| | 09/19/06 | | (a) | 68.05 | (a) | NA |
| | 03/13/07 | | 67.30 | 67.35 | 0.05 | NA |
| | 09/21/07 | | 67.43 | 67.60 | 0.17 | NA |
| MPE-10 | 01/29/03 | NA | (a) | 62.90 | (a) | NA |
| | 07/31/03 | | (a) | 63.08 | (a) | NA |
| | 03/22/04 | | (a) | 63.85 | (a) | NA |
| | 09/08/04 | | 64.45 | 66.87 | 2.42 | NA |
| | 03/29/05 | | 65.5 | 65.70 | 0.20 | NA |
| | 10/05/05 | | 65.62 | 67.65 | 2.03 | NA |
| | 03/23/06 | | 65.87 | 67.35 | 1.48 | NA |
| | 09/19/06 | | 66.35 | Tagged pump | NA | NA |
| | 03/13/07 | | 65.58 | 66.42 | 0.84 | NA |
| | 09/21/07 | | (a) | 66.00 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-11 | 01/29/03 | NA | (a) | 60.20 | (a) | NA |
| | 07/31/03 | | (a) | 60.52 | (a) | NA |
| | 03/22/04 | | (a) | 60.93 | (a) | NA |
| | 09/08/04 | | (a) | 61.60 | (a) | NA |
| | 03/29/05 | | (a) | 61.89 | (a) | NA |
| | 10/05/05 | | (a) | 62.30 | (a) | NA |
| | 03/23/06 | | (a) | 62.81 | (a) | NA |
| | 09/19/06 | | (a) | 64.61 | (a) | NA |
| | 03/13/07 | | (a) | 63.45 | (a) | NA |
| MPE-12 | 01/29/03 | NA | (a) | 61.54 | (a) | NA |
| | 07/31/03 | | 61.29 | 63.31 | 2.02 | NA |
| | 03/22/04 | | 61.98 | 64.40 | 2.42 | NA |
| | 09/08/04 | | 63.55 | 64.54 | 0.99 | NA |
| | 03/29/05 | | 64.46 | 64.95 | 0.49 | NA |
| | 10/05/05 | | 64.55 | 65.26 | 0.71 | NA |
| | 03/23/06 | | 64.42 | 65.52 | 1.10 | NA |
| | 09/19/06 | | 64.82 | 66.70 | 1.88 | NA |
| | 03/13/07 | | 64.22 | 64.94 | 0.72 | NA |
| | 09/21/07 | | 64.42 | 65.23 | 0.81 | NA |
| MPE-13 | 01/29/03 | NA | (a) | 60.31 | (a) | NA |
| | 07/31/03 | | (a) | 60.72 | (a) | NA |
| | 03/22/04 | | (a) | 61.07 | (a) | NA |
| | 09/08/04 | | (a) | 61.95 | (a) | NA |
| | 03/29/05 | | 62.35 | 62.47 | 0.12 | NA |
| | 10/05/05 | | 62.44 | 63.57 | 1.13 | NA |
| | 03/23/06 | | 63.05 | 63.90 | 0.85 | NA |
| | 09/19/06 | | (a) | 65.23 | (a) | NA |
| | 03/13/07 | | 63.15 | 65.80 | 2.65 | NA |
| | 09/21/07 | | 63.05 | 65.50 | 2.45 | NA |
| MPE-14 | 01/29/03 | NA | (a) | 60.95 | (a) | NA |
| | 07/31/03 | | (a) | 61.38 | (a) | NA |
| | 03/22/04 | | (a) | 61.77 | (a) | NA |
| | 09/08/04 | | (a) | 62.65 | (a) | NA |
| | 03/29/05 | | 62.06 | 66.34 | 4.28 | NA |
| | 10/05/05 | | 62.37 | 65.90 | 3.53 | NA |
| | 03/23/06 | | 62.90 | 66.64 | 3.74 | NA |
| | 09/19/06 | | 65.72 | 66.15 | 0.43 | NA |
| | 03/13/07 | | 63.71 | 66.25 | 2.54 | NA |
| | 09/21/07 | | 64.19 | 64.55 | 0.36 | NA |
| MPE-15 | 01/29/03 | NA | (a) | 61.10 | (a) | NA |
| | 07/31/03 | | (a) | 61.20 | (a) | NA |
| | 03/22/04 | | (a) | 61.29 | (a) | NA |
| | 09/08/04 | | (a) | 61.60 | (a) | NA |
| | 03/29/05 | | (a) | 61.58 | (a) | NA |
| | 10/05/05 | | (a) | 62.16 | (a) | NA |
| | 09/19/06 | | (a) | 62.83 | (a) | NA |
| | 03/13/07 | | (a) | 62.78 | (a) | NA |
| | 09/21/07 | | (a) | 62.95 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-16 | 01/29/03 | NA | 61.10 | 64.91 | 3.81 | NA |
| | 07/31/03 | | 61.53 | 65.55 | 4.02 | NA |
| | 03/22/04 | | 62.15 | 65.50 | 3.35 | NA |
| | 09/08/04 | | 63.60 | 65.75 | 2.15 | NA |
| | 03/29/05 | | 65.24 | 65.25 | 0.01 | NA |
| | 10/05/05 | | 64.24 | 66.51 | 2.27 | NA |
| | 03/23/06 | | 64.58 | 67.32 | 2.74 | NA |
| | 09/19/06 | | 65.75 | Tagged pump | NA | NA |
| | 09/21/07 | | (a) | Tagged pump | NA | NA |
| MPE-17 | 01/29/03 | NA | 60.86 | 65.50 | 4.64 | NA |
| | 07/31/03 | | 61.40 | 66.69 | 5.29 | NA |
| | 03/22/04 | | 62.20 | 65.69 | 3.49 | NA |
| | 09/08/04 | | 63.45 | 65.92 | 2.47 | NA |
| | 03/29/05 | | 64.85 | 66.64 | 1.79 | NA |
| | 10/05/05 | | 64.51 | 65.64 | 1.13 | NA |
| | 03/23/06 | | 65.70 | 67.01 | 1.31 | NA |
| | 09/19/06 | | 67.30 | Tagged pump | NA | NA |
| | 03/13/07 | | 65.78 | 66.55 | 0.77 | NA |
| | 09/21/07 | | 65.50 | 65.55 | 0.05 | NA |
| MPE-18 | 01/29/03 | NA | (a) | 59.42 | (a) | NA |
| | 07/31/03 | | (a) | 59.75 | (a) | NA |
| | 03/22/04 | | (a) | 60.18 | (a) | NA |
| | 09/08/04 | | (a) | 60.75 | (a) | NA |
| | 03/29/05 | | (a) | 61.14 | (a) | NA |
| | 10/05/05 | | (a) | 61.40 | (a) | NA |
| | 03/23/06 | | (a) | 62.18 | (a) | NA |
| | 09/19/06 | | (a) | 62.95 | (a) | NA |
| | 03/13/07 | | (a) | 62.32 | (a) | NA |
| | 09/21/07 | | (a) | 62.29 | (a) | NA |
| MPE-19 | 01/29/03 | NA | (a) | 62.40 | (a) | NA |
| | 07/31/03 | | (a) | 62.73 | (a) | NA |
| | 03/22/04 | | (a) | 63.25 | (a) | NA |
| | 09/08/04 | | (a) | 64.35 | (a) | NA |
| | 03/29/05 | | (a) | 64.40 | (a) | NA |
| | 10/05/05 | | (a) | 64.99 | (a) | NA |
| | 03/23/06 | | (a) | 65.40 | (a) | NA |
| | 09/19/06 | | (a) | 65.85 | (a) | NA |
| | 03/13/07 | | (a) | 65.15 | (a) | NA |
| | 09/21/07 | | (a) | 65.35 | (a) | NA |
| MPE-20 | 01/29/03 | NA | 58.21 | 65.10 | 6.89 | NA |
| | 07/31/03 | | 58.70 | 65.08 | 6.38 | NA |
| | 03/22/04 | | 59.28 | 65.68 | 6.40 | NA |
| | 09/08/04 | | 62.01 | 65.43 | 3.42 | NA |
| | 03/29/05 | | 63.20 | 66.02 | 2.82 | NA |
| | 10/04/05 | | 63.07 | 64.77 | 1.70 | NA |
| | 03/23/06 | | 64.81 | 66.55 | 1.74 | NA |
| | 09/19/06 | | 66.25 | 67.26 | 1.01 | NA |
| | 03/13/07 | | 63.25 | 64.70 | 1.45 | NA |
| | 09/21/07 | | 62.90 | 64.55 | 1.65 | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-21 | 01/29/03 | NA | (a) | 55.64 | (a) | NA |
| | 07/31/03 | | 54.78 | 55.30 | 0.52 | NA |
| | 03/22/04 | | 55.20 | 55.75 | 0.55 | NA |
| | 09/08/04 | | 56.78 | 56.85 | 0.07 | NA |
| | 03/29/05 | | (a) | 57.11 | (a) | NA |
| | 10/04/05 | | 57.63 | 57.66 | 0.03 | NA |
| | 03/23/06 | | 57.64 | 57.65 | 0.01 | NA |
| | 09/19/06 | | 58.25 | 58.50 | 0.25 | NA |
| | 03/13/07 | | (a) | 57.45 | (a) | NA |
| | 09/21/07 | | 57.78 | 57.90 | 0.12 | NA |
| MPE-22 | 01/29/03 | NA | (a) | 64.50 | (a) | NA |
| | 07/31/03 | | (a) | 64.51 | (a) | NA |
| | 03/22/04 | | (a) | 65.16 | (a) | NA |
| | 09/08/04 | | (a) | 66.06 | (a) | NA |
| | 03/29/05 | | (a) | 66.40 | (a) | NA |
| | 10/04/05 | | (a) | 66.61 | (a) | NA |
| | 03/23/06 | | (a) | 67.33 | (a) | NA |
| | 09/19/06 | | (a) | 67.30 | (a) | NA |
| | 03/13/07 | | (a) | 66.90 | (a) | NA |
| | 09/21/07 | | (a) | 67.01 | (a) | NA |
| MPE-23 | 01/29/03 | NA | (a) | 59.86 | (a) | NA |
| | 07/31/03 | | 60.05 | 60.10 | 0.05 | NA |
| | 03/22/04 | | 60.64 | 61.30 | 0.66 | NA |
| | 09/08/04 | | 61.62 | 64.90 | 3.28 | NA |
| | 03/29/05 | | 62.7 | 64.45 | 1.75 | NA |
| | 10/04/05 | | (a) | 62.13 | (a) | NA |
| | 03/23/06 | | 63.92 | 64.84 | 0.92 | NA |
| | 09/19/06 | | 63.78 | 65.28 | 1.50 | NA |
| | 03/13/07 | | 62.28 | 65.20 | 2.92 | NA |
| | 09/21/07 | | 63.02 | 64.80 | 1.78 | NA |
| MPE-24 | 01/29/03 | NA | (a) | 55.83 | (a) | NA |
| | 07/31/03 | | 55.08 | 55.60 | 0.52 | NA |
| | 03/22/04 | | 55.90 | 56.91 | 1.01 | NA |
| | 09/08/04 | | 56.80 | 61.23 | 4.43 | NA |
| | 03/29/05 | | 57.50 | 59.49 | 1.99 | NA |
| | 10/04/05 | | 57.93 | 60.79 | 2.86 | NA |
| | 03/23/06 | | 59.43 | 59.90 | 0.47 | NA |
| | 09/19/06 | | 60.09 | 60.15 | 0.06 | NA |
| | 03/13/07 | | 58.40 | 60.15 | 1.75 | NA |
| | 09/21/07 | | 58.15 | 61.01 | 2.86 | NA |
| MPE-25 | 01/29/03 | NA | (a) | 64.51 | (a) | NA |
| | 07/31/03 | | (a) | 64.53 | (a) | NA |
| | 03/22/04 | | (a) | 65.19 | (a) | NA |
| | 09/08/04 | | (a) | 66.12 | (a) | NA |
| | 03/29/05 | | (a) | 66.44 | (a) | NA |
| | 10/04/05 | | (a) | 66.71 | (a) | NA |
| | 03/23/06 | | (a) | 67.42 | (a) | NA |
| | 09/19/06 | | 67.30 | 67.31 | 0.01 | NA |
| | 03/13/07 | | (a) | 66.88 | (a) | NA |
| | 09/21/07 | | (a) | 66.90 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-26 | 01/29/03 | NA | (a) | 61.89 | (a) | NA |
| | 07/31/03 | | 61.65 | 62.95 | 1.30 | NA |
| | 03/22/04 | | 62.68 | 62.71 | 0.03 | NA |
| | 09/08/04 | | 63.60 | 63.64 | 0.04 | NA |
| | 03/29/05 | | 63.80 | 64.26 | 0.46 | NA |
| | 10/04/05 | | 64.15 | 64.25 | 0.10 | NA |
| | 03/23/06 | | 64.90 | 64.92 | 0.02 | NA |
| | 09/19/06 | | 64.82 | 65.10 | 0.28 | NA |
| | 03/13/07 | | 64.35 | 64.65 | 0.30 | NA |
| | 09/21/07 | | (a) | 64.34 | (a) | NA |
| MPE-27 | 01/29/03 | NA | 59.20 | 63.98 | 4.78 | NA |
| | 07/31/03 | | 59.25 | 64.13 | 4.88 | NA |
| | 03/22/04 | | 60.95 | 63.55 | 2.60 | NA |
| | 09/08/04 | | 62.05 | 64.50 | 2.45 | NA |
| | 03/29/05 | | 62.49 | 65.28 | 2.79 | NA |
| | 10/04/05 | | 62.57 | 65.33 | 2.76 | NA |
| | 03/23/06 | | 64.22 | 64.30 | 0.08 | NA |
| | 09/19/06 | | 63.90 | 64.41 | 0.51 | NA |
| | 03/13/07 | | 62.40 | 65.40 | 3.00 | NA |
| | 09/21/07 | | 62.53 | 64.85 | 2.32 | NA |
| MPE-28 | 01/29/03 | NA | 53.69 | 55.57 | 1.88 | NA |
| | 07/31/03 | | 53.69 | 56.90 | 3.21 | NA |
| | 03/22/04 | | 55.59 | 57.75 | 2.16 | NA |
| | 09/08/04 | | 56.43 | 59.52 | 3.09 | NA |
| | 03/29/05 | | 58.95 | 60.20 | 1.25 | NA |
| | 10/04/05 | | (a) | 57.68 | (a) | NA |
| | 03/23/06 | | 59.70 | 59.95 | 0.25 | NA |
| | 09/19/06 | | 59.52 | 60.20 | 0.68 | NA |
| | 03/13/07 | | 56.85 | 58.75 | 1.90 | NA |
| | 09/21/07 | | 56.48 | 57.00 | 0.52 | NA |
| MPE-29 | 01/29/03 | NA | (a) | 64.75 | (a) | NA |
| | 07/31/03 | | (a) | 64.79 | (a) | NA |
| | 03/22/04 | | (a) | 65.58 | (a) | NA |
| | 09/08/04 | | (a) | 66.51 | (a) | NA |
| | 03/29/05 | | (a) | 66.79 | (a) | NA |
| | 10/04/05 | | (a) | 67.06 | (a) | NA |
| | 03/23/06 | | (a) | 67.78 | (a) | NA |
| | 09/19/06 | | (a) | 67.82 | (a) | NA |
| | 03/13/07 | | (a) | 67.35 | (a) | NA |
| | 09/21/07 | | (a) | 67.30 | (a) | NA |
| MPE-30 | 01/29/03 | NA | (a) | 63.61 | (a) | NA |
| | 07/31/03 | | (a) | 63.35 | (a) | NA |
| | 03/22/04 | | (a) | 63.92 | (a) | NA |
| | 09/08/04 | | (a) | 64.92 | (a) | NA |
| | 03/29/05 | | (a) | 64.97 | (a) | NA |
| | 10/04/05 | | (a) | 65.24 | (a) | NA |
| | 03/23/06 | | (a) | 65.65 | (a) | NA |
| | 09/19/06 | | (a) | 65.50 | (a) | NA |
| | 03/13/07 | | (a) | 64.85 | (a) | NA |
| | 09/21/07 | | (a) | 64.65 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-31 | 01/29/03 | NA | (a) | 60.61 | (a) | NA |
| | 07/31/03 | | (a) | 60.63 | (a) | NA |
| | 03/22/04 | | 61.55 | 61.73 | 0.18 | NA |
| | 09/08/04 | | 62.35 | 63.45 | 1.10 | NA |
| | 03/29/05 | | 63.10 | 63.11 | 0.01 | NA |
| | 10/04/05 | | (a) | 62.83 | (a) | NA |
| | 03/23/06 | | (a) | 64.19 | (a) | NA |
| | 09/19/06 | | 64.10 | 64.25 | 0.15 | NA |
| | 03/13/07 | | 62.90 | 64.40 | 1.50 | NA |
| | 09/21/07 | | 63.18 | 63.20 | 0.02 | NA |
| MPE-32 | 01/29/03 | NA | 55.02 | 55.10 | 0.08 | NA |
| | 07/31/03 | | 53.85 | 59.27 | 5.42 | NA |
| | 03/22/04 | | 54.89 | 59.92 | 5.03 | NA |
| | 09/08/04 | | 56.68 | 58.60 | 1.92 | NA |
| | 03/29/05 | | 58.12 | 58.42 | 0.30 | NA |
| | 10/04/05 | | 57.67 | 58.12 | 0.45 | NA |
| | 03/23/06 | | 59.55 | 59.60 | 0.05 | NA |
| | 09/19/06 | | 59.70 | 59.92 | 0.22 | NA |
| | 03/13/07 | | 57.88 | 58.10 | 0.22 | NA |
| | 09/21/07 | | 57.32 | 58.77 | 1.45 | NA |
| MPE-33 | 01/29/03 | NA | 50.50 | 52.13 | 1.63 | NA |
| | 07/31/03 | | 50.03 | 54.50 | 4.47 | NA |
| | 03/22/04 | | 51.60 | 54.09 | 2.49 | NA |
| | 09/08/04 | | 53.32 | 54.02 | 0.70 | NA |
| | 03/29/05 | | 54.30 | 54.90 | 0.60 | NA |
| | 10/04/05 | | 54.01 | 55.21 | 1.20 | NA |
| | 03/23/06 | | (a) | 55.80 | (a) | NA |
| | 09/19/06 | | (a) | 56.92 | (a) | NA |
| | 03/13/07 | | (a) | 54.75 | (a) | NA |
| | 09/21/07 | | (a) | 54.45 | (a) | NA |
| MPE-34 | 01/29/03 | NA | (a) | 62.80 | (a) | NA |
| | 07/31/03 | | (a) | 62.74 | (a) | NA |
| | 03/22/04 | | (a) | 63.23 | (a) | NA |
| | 09/08/04 | | (a) | 63.86 | (a) | NA |
| | 03/29/05 | | (a) | 64.33 | (a) | NA |
| | 10/04/05 | | (a) | 64.51 | (a) | NA |
| | 03/23/06 | | (a) | 65.08 | (a) | NA |
| | 09/19/06 | | (a) | 65.20 | (a) | NA |
| | 03/13/07 | | (a) | 65.03 | (a) | NA |
| | 09/21/07 | | (a) | 64.90 | (a) | NA |
| MPE-35 | 01/29/03 | NA | (a) | 56.74 | (a) | NA |
| | 07/31/03 | | (a) | 56.84 | (a) | NA |
| | 03/22/04 | | 57.30 | 57.31 | (a) | NA |
| | 09/08/04 | | (a) | 58.04 | (a) | NA |
| | 03/29/05 | | (a) | 58.57 | (a) | NA |
| | 10/04/05 | | (a) | 58.79 | (a) | NA |
| | 03/23/06 | | (a) | 59.42 | (a) | NA |
| | 09/19/06 | | (a) | 59.60 | (a) | NA |
| | 03/13/07 | | (a) | 59.15 | (a) | NA |
| | 09/21/07 | | (a) | 59.00 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MPE-36 | 01/29/03 | NA | (a) | 51.98 | (a) | NA |
| | 07/31/03 | | (a) | 52.00 | (a) | NA |
| | 03/22/04 | | (a) | 52.48 | (a) | NA |
| | 09/08/04 | | (a) | 53.45 | (a) | NA |
| | 03/29/05 | | (a) | 53.92 | (a) | NA |
| | 10/04/05 | | (a) | 54.25 | (a) | NA |
| | 03/23/06 | | (a) | 54.91 | (a) | NA |
| | 09/19/06 | | (a) | 55.55 | (a) | NA |
| | 03/13/07 | | (a) | 54.30 | (a) | NA |
| | 09/21/07 | | (a) | 54.05 | (a) | NA |
| MPE-37 | 01/29/03 | NA | (a) | 49.18 | (a) | NA |
| | 07/31/03 | | (a) | 49.27 | (a) | NA |
| | 03/22/04 | | (a) | 49.98 | (a) | NA |
| | 09/08/04 | | (a) | 50.95 | (a) | NA |
| | 03/29/05 | | (a) | 51.48 | (a) | NA |
| | 10/04/05 | | (a) | 51.67 | (a) | NA |
| | 03/23/06 | | (a) | 52.54 | (a) | NA |
| | 09/19/06 | | (a) | 53.18 | (a) | NA |
| | 03/13/07 | | (a) | 51.30 | (a) | NA |
| | 09/21/07 | | 51.70 | 51.71 | 0.01 | NA |
| SVE-1A | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | dry | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | dry | (a) | NA |
| | 10/04/05 | | (a) | dry | (a) | NA |
| | 03/23/06 | | (a) | dry | (a) | NA |
| SVE-2A | 01/29/03 | NA | (a) | 29.65 | (a) | NA |
| | 07/31/03 | | (a) | 29.70 | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | 29.85 | (a) | NA |
| | 10/04/05 | | (a) | 29.00 | (a) | NA |
| | 03/23/06 | | (a) | dry | (a) | NA |
| SVE-3 | 04/01/01 | NA | (a) | 60.35 | (a) | NA |
| | 01/29/03 | | (a) | 60.57 | (a) | NA |
| | 07/31/03 | | (a) | 61.42 | (a) | NA |
| | 03/22/04 | | (a) | 61.48 | (a) | NA |
| | 09/08/04 | | (a) | 61.48 | (a) | NA |
| | 03/29/05 | | (a) | 60.68 | (a) | NA |
| | 10/04/05 | | (a) | 61.01 | (a) | NA |
| | 03/23/06 | | (a) | 61.32 | (a) | NA |
| SVE-22 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | dry | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | dry | (a) | NA |
| | 03/23/06 | | (a) | dry | (a) | NA |
| | 09/19/06 | | (a) | dry | (a) | NA |
| | 03/13/07 | | 33.00 | to TD @ 33.10 | (a) | NA |
| | 09/21/07 | | 32.90 | to TD @ 33.10 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-23 | 01/29/03 | NA | 32.70 | 33.85 | 1.15 | NA |
| | 07/31/03 | | 34.00 | 36.75 | 2.75 | NA |
| | 03/22/04 | | 33.95 | to TD @ 36.70 | NA | NA |
| | 09/08/04 | | 33.00 | to TD @ 36.80 | NA | NA |
| | 03/23/06 | | 33.20 | 34.70 | 1.50 | NA |
| | 09/19/06 | | 33.05 | 34.75 | 1.70 | NA |
| | 03/13/07 | | 32.70 | 33.42 | 0.72 | NA |
| | 09/21/07 | | 32.37 | 32.90 | 0.53 | NA |
| SVE-24 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | dry | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | dry | (a) | NA |
| | 03/23/06 | | (a) | dry | (a) | NA |
| | 09/19/06 | | (a) | dry | (a) | NA |
| | 03/13/07 | | (a) | dry | (a) | NA |
| | 09/21/07 | | (a) | dry | (a) | NA |
| SVE-25 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | 32.86 | 33.10 | 0.24 | NA |
| | 03/22/04 | | 28.00 | to TD @ 33.15 | NA | NA |
| | 09/08/04 | | 33.20 | to TD @ 33.20 | NA | NA |
| | 03/23/06 | | 31.60 | 32.75 | 1.15 | NA |
| | 03/13/07 | | (a) | 31.55 | (a) | NA |
| | 09/21/07 | | 31.60 | to TD @ 33.00 | NA | NA |
| SVE-26 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | dry | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | dry | (a) | NA |
| | 03/23/06 | | (a) | dry | (a) | NA |
| | 09/19/06 | | (a) | 32.50 | (a) | NA |
| | 03/13/07 | | (a) | dry | (a) | NA |
| | 09/21/07 | | (a) | dry | (a) | NA |
| SVE-27 | 01/29/03 | NA | (a) | 33.45 | (a) | NA |
| | 07/31/03 | | (a) | 33.80 | (a) | NA |
| | 03/22/04 | | (a) | 32.02 | (a) | NA |
| | 09/08/04 | | (a) | 33.25 | (a) | NA |
| | 03/29/05 | | (a) | 34.19 | (a) | NA |
| | 03/23/06 | | (a) | 32.65 | (a) | NA |
| | 09/19/06 | | (a) | 23.20 | (a) | NA |
| | 03/13/07 | | (a) | 32.83 | (a) | NA |
| | 09/21/07 | | (a) | 32.88 | (a) | NA |
| SVE-28 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | 35.70 | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | 29.10 | (a) | NA |
| | 03/23/06 | | (a) | 28.82 | (a) | NA |
| | 09/19/06 | | (a) | 28.74 | (a) | NA |
| | 03/13/07 | | (a) | 28.45 | (a) | NA |
| | 09/21/07 | | (a) | 28.20 | (a) | NA |

## Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
## Compressor Station No. 9 - Roswell, NM

| Well ID | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-30 | 01/29/03 | NA | (a) | 43.67 | (a) | NA |
| | 07/31/03 | | (a) | 43.61 | (a) | NA |
| | 03/22/04 | | (a) | 43.60 | (a) | NA |
| | 09/08/04 | | (a) | 43.62 | (a) | NA |
| | 03/23/06 | | (a) | 42.66 | (a) | NA |
| | 09/19/06 | | (a) | 42.71 | (a) | NA |
| | 03/13/07 | | (a) | 40.42 | (a) | NA |
| | 09/21/07 | | (a) | 39.60 | (a) | NA |
| SVE-31 | 01/29/03 | NA | (a) | dry | (a) | NA |
| | 07/31/03 | | (a) | dry | (a) | NA |
| | 03/22/04 | | (a) | dry | (a) | NA |
| | 09/08/04 | | (a) | dry | (a) | NA |
| | 03/29/05 | | (a) | 30.30 | (a) | NA |
| | 03/23/06 | | (a) | 30.09 | (a) | NA |
| | 09/19/06 | | (a) | 30.15 | (a) | NA |
| | 03/13/07 | | (a) | 32.20 | (a) | NA |
| | 09/21/07 | | (a) | 30.10 | (a) | NA |
| RW-1 | 01/29/03 | NA | (a) | 34.48 | (a) | NA |
| | 07/31/03 | | (a) | 34.95 | (a) | NA |
| | 09/08/04 | | (a) | 34.21 | (a) | NA |
| | 10/04/05 | | (a) | 33.46 | (a) | NA |
| | 03/23/06 | | (a) | 33.49 | (a) | NA |
| | 09/19/06 | | (a) | 33.30 | (a) | NA |
| | 03/13/07 | | (a) | 33.00 | (a) | NA |
| | 09/21/07 | | (a) | 32.65 | (a) | NA |

NOTES:
PSH - Phase separated hydrocarbon
(NA) Information not available
(a) Not applicable since no measurable thickness of PSH is present

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-3 | 11/03/97 | 4.5 | 7.21 | 19.2 | 3,620 | 1.31 | Clear |
| | 01/27/98 | 5.0 | 7.28 | 18.5 | 3,630 | 4.31 | Clear |
| | 05/26/98 | 5.6 | 7.18 | 21.4 | 3,980 | 8.04 | Clear |
| | 08/13/98 | 6.1 | 7.19 | 22.2 | 3,930 | 5.06 | Clear |
| | 12/24/98 | 4.9 | 7.26 | 16.5 | 3,940 | 5.34 | Clear |
| | 03/24/99 | --/6.0 | 7.13 | 19.7 | 3,980 | 7.34 | Clear |
| | 09/07/99 | 9.0/7.0 | 7.17 | 20.6 | 3,800 | -- | Clear |
| | 03/27/00 | 6.8 | 7.30 | 19.0 | 3,930 | -- | Clear |
| | 03/27/01 | 5.9 | 7.21 | 19.3 | 3,930 | -- | Clear |
| | 07/03/02 | 5.3 | 6.81 | 21.8 | 3,820 | -- | Clear |
| | 08/01/03 | 6.9 | 7.20 | 23.8 | 3,940 | -- | Clear |
| | 09/10/04 | 7.5 | 7.10 | 19.6 | 3,830 | -- | Turbid, brown |
| | 10/07/05 | 5.2 | 7.03 | 19.0 | 3,110 | -- | Turbid, red |
| | 09/22/06 | 7.9 | 7.08 | 19.6 | 3,489 | -- | Turbid |
| | 09/27/07 | 6.3 | 6.42 | 19.4 | 3,551 | -- | Turbid |
| MW-5 | 10/31/97 | 7.0 | 7.12 | 19.9 | 4,020 | -- | Clear |
| | 01/27/98 | 7.8 | 7.38 | 17.7 | 1,980 | 7.82 | Clear |
| | 05/26/98 | 10.0 | 7.13 | 24.4 | 4,100 | 6.80 | Clear |
| | 08/11/98 | 8.3 | 7.18 | 20.7 | 4,210 | 5.99 | Clear |
| | 12/22/98 | 6.5/7.0 | 7.17 | 14.6 | 4,680 | 5.36 | Clear |
| | 03/23/99 | 8.4 | 7.10 | 19.4 | 4,360 | 3.37 | Clear |
| MW-6 | 10/31/97 | 6.9 | 7.21 | 21.6 | 3,180 | -- | Clear |
| | 01/26/98 | 6.4 | 7.23 | 17.3 | 3,200 | 6.08 | Clear |
| | 05/26/98 | 8.2 | 7.19 | 21.2 | 3,450 | 4.67 | Clear |
| | 08/11/98 | 9.0/8.0 | 7.24 | 22.4 | 3,430 | 8.03 | Clear |
| | 12/22/98 | 6.7 | 7.29 | 15.7 | 3,740 | 13.72 | Clear |
| | 03/23/99 | 8.0/7.0 | 7.20 | 19.9 | 3,460 | 4.93 | Clear |
| MW-7 | 11/03/97 | 2.5 | 7.28 | 18.1 | 3,540 | 11.30 | Clear |
| | 01/29/98 | 1.8 | 7.25 | 18.4 | 3,540 | 5.68 | Clear |
| | 05/28/98 | 3.6 | 7.14 | 23.5 | 3,820 | 9.35 | Clear |
| | 08/14/98 | 3.6/2.6 | 7.23 | 21.7 | 3,770 | 6.89 | Clear |
| | 12/27/98 | 2.7 | 7.20 | 17.5 | 3,790 | 6.09 | Clear |
| | 03/25/99 | 3.0/3.4 | 7.14 | 17.6 | 3,780 | 4.40 | Clear, Bailed down |
| | 09/07/99 | 2.5 | 7.18 | 20.0 | 3,810 | -- | Clear |
| | 03/28/00 | 2.6 | 7.21 | 19.1 | 3,780 | 13.63 | Clear |
| | 11/18/00 | --/3.8 | 7.31 | 18.6 | 3,430 | -- | Clear |
| | 03/28/01 | 3.9 | 7.21 | 19.5 | 3,810 | 4.88 | Clear |
| | 10/08/01 | 4.6 | 7.20 | 19.8 | 3,990 | -- | Clear |
| | 07/01/02 | 6.9 | 6.67 | 21.2 | 3,690 | -- | Clear |
| | 08/02/03 | 4.0 | 7.24 | 22.4 | 3,780 | -- | Clear |
| | 09/09/04 | 4.2 | 7.05 | 20.7 | 3,191 | -- | Clear |
| | 10/07/05 | 3.2 | 7.09 | 18.6 | 3,000 | -- | Clear |
| | 09/22/06 | 3.6 | 7.23 | 20.3 | 3,408 | -- | Clear |
| | 09/26/07 | 4.1 | 7.31 | 20.1 | 3,445 | -- | Clear |
| MW-8 | 11/02/97 | 4.4 | 7.16 | 18.5 | 3,730 | 6.91 | Clear |
| | 01/29/98 | 4.2 | 7.17 | 19.8 | 3,730 | 2.41 | Clear |
| | 05/28/98 | 4.7 | 7.11 | 19.8 | 4,000 | 4.66 | Clear |
| | 08/14/98 | 4.3 | 7.10 | 20.6 | 3,970 | 4.62 | Clear |
| | 12/27/98 | 4.7 | 7.14 | 19.1 | 4,010 | 5.54 | Clear |
| | 03/25/99 | 4.0/3.8 | 7.07 | 18.4 | 4,040 | 4.15 | Clear |
| MW-9 | 11/02/97 | 5.5 | 7.32 | 18.6 | 4,110 | 180 | Cloudy |
| | 01/29/98 | 3.9 | 7.35 | 16.9 | 4,090 | -- | Slightly Turbid |
| | 05/28/98 | 6.0 | 7.25 | 20.8 | 4,440 | 62 | Cloudy |
| | 08/14/98 | 5.3 | 7.23 | 21.4 | 4,400 | 91/80 | Cloudy, (80 FTU dissolved metals reading) |
| | 12/27/98 | 5.3 | 7.35 | 17.9 | 4,400 | 97 | Cloudy |
| | 03/24/99 | --/7.0 | 7.31 | 18.9 | 4,430 | 84 | Cloudy, Bailed down |

**Table 3. Summary of Field Measured Parameters**
**Compressor Station No. 9 - Roswell, NM**

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-10 | 11/01/97 | 6.9 | 7.14 | 19.7 | 3,600 | 3.40 | Clear |
| | 01/27/98 | 5.9 | 7.20 | 19.6 | 3,570 | 0.31 | Clear |
| | 05/26/98 | 7.2 | 7.16 | 22.7 | 3,900 | 2.60 | Clear |
| | 08/13/98 | 6.1/6.0 | 7.12 | 20.1 | 3,840 | 0.92 | Clear |
| | 12/22/98 | 5.9 | 7.18 | 14.7 | 4,190 | 3.18 | Clear |
| | 03/23/99 | 6.1/6.0 | 7.09 | 18.9 | 3,900 | 2.38 | Clear |
| | 09/07/99 | 6.2/6.0 | 7.05 | 20.1 | 3,400 | -- | Clear |
| | 03/27/00 | 5.8/5.5 | 7.17 | 19.4 | 3,860 | -- | Clear |
| | 03/27/01 | 5.5/5.2 | 7.13 | 18.9 | 3,830 | -- | Clear |
| | 07/03/02 | 4.7 | 6.88 | 20.4 | 3,760 | -- | Clear |
| | 08/01/03 | 6.7 | 7.10 | 23.5 | 3,860 | -- | Clear |
| | 09/09/04 | 4.2 | 6.94 | 20.1 | 3,227 | -- | Clear |
| | 10/07/05 | 3.6 | 7.04 | 19.3 | 3,100 | -- | Clear |
| | 09/22/06 | 4.6 | 6.90 | 19.4 | 3,396 | -- | Clear |
| | 09/27/07 | 5.6 | 7.64 | 20.2 | 3,495 | -- | Clear |
| MW-11 | 11/01/97 | 7.1 | 7.21 | 19.5 | 3,640 | 4.40 | Clear |
| | 01/27/98 | 6.7 | 7.25 | 17.8 | 3,610 | 2.71 | Clear |
| | 05/26/98 | 7.9 | 7.24 | 21.6 | 3,950 | 30.01 | Clear |
| | 08/13/98 | 7.9 | 7.26 | 20.3 | 3,890 | 5.52 | Clear |
| | 12/22/98 | 5.4 | 7.25 | 15.6 | 3,610 | 10.19 | Clear |
| | 03/24/99 | --/7.0 | 7.25 | 20.1 | 3,030 | 8.68 | Clear |
| | 09/07/99 | 6.7 | 7.27 | 19.5 | 3,200 | -- | Clear |
| | 03/27/00 | 6.4 | 7.29 | 19.0 | 3,500 | -- | Clear |
| | 03/27/01 | 5.8/5.4 | 7.22 | 19.1 | 3,780 | -- | Clear |
| | 07/03/02 | 3.6 | 6.92 | 20.6 | 3,780 | -- | Clear |
| | 08/01/03 | 7.4 | 7.21 | 22.4 | 3,870 | -- | Clear |
| | 09/09/04 | 7.0 | 6.94 | 20.0 | 3,287 | -- | Clear |
| | 10/07/05 | 3.2 | 7.05 | 19.1 | 3,140 | -- | Clear |
| | 09/22/06 | 8.3 | 6.64 | 19.5 | 3,582 | -- | Turbid |
| | 09/27/07 | 6.1 | 6.28 | 19.2 | 3,570 | -- | Turbid |
| MW-12 | 11/04/97 | 3.4 | 7.29 | 20.1 | 3,790 | 1.77 | Clear, Odor |
| | 01/30/98 | 1.2 | 7.16 | 18.7 | 3,540 | -- | Clear, Odor |
| | 05/28/98 | 2.4 | 7.19 | 20.8 | 3,850 | 2.83 | Clear |
| | 08/15/98 | 2.5 | 7.19 | 20.6 | 3,900 | 3.87 | Clear, Odor |
| | 12/28/98 | 0.7 | 7.24 | 17.8 | 3,820 | 2.83 | Clear |
| | 03/26/99 | 1.7/1.2 | 7.11 | 18.2 | 3,930 | 1.55 | Clear, Odor |
| | 09/07/99 | 0.7 | 7.45 | 20.6 | 3,960 | -- | Clear |
| | 03/29/00 | 2.2/1.8 | 7.18 | 19.5 | 3,920 | 2.34 | Clear, Odor |
| | 11/18/00 | -- | 7.26 | 19.0 | 3,470 | -- | Clear |
| | 03/29/01 | 1.7 | 7.18 | 20.1 | 3,920 | 2.62 | Clear, Slight odor |
| | 10/08/01 | 2.4 | 7.22 | 19.3 | 4,190 | -- | Clear |
| | 07/01/02 | 2.1 | 6.98 | 20.4 | 3,770 | -- | Clear |
| | 02/03/03 | 1.1 | 7.34 | 18.1 | 3,840 | -- | Clear |
| | 08/02/03 | 0.8 | 7.22 | 22.5 | 3,890 | -- | Clear |
| | 03/23/04 | 1.1 | 6.95 | 19.1 | 3,190 | -- | Clear, Slight odor |
| | 09/09/04 | 1.2 | 6.99 | 20.2 | 2,835 | -- | Clear |
| | 04/01/05 | 5.7 | 7.22 | 18.7 | 4,430 | -- | Clear |
| | 10/07/05 | 0.9 | 7.01 | 19.1 | 2,760 | -- | Clear |
| | 03/25/06 | 2.4 | 7.23 | 18.4 | 2,588 | -- | Clear |
| | 09/22/06 | 2.4 | 7.26 | 21.4 | 3,363 | -- | Clear |
| | 03/15/07 | 2.6 | 6.86 | 19.4 | 3,102 | -- | Clear |
| | 09/26/07 | 1.4 | 7.35 | 19.9 | 2,499 | -- | Clear, turns black, odor |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-13 | 11/04/97 | 1.1 | 7.10 | 19.8 | 3,840 | 1.76 | Clear, Odor |
| | 01/30/98 | 0.2 | 6.99 | 18.7 | 3,780 | -- | Clear, Odor |
| | 05/28/98 | 2.4 | 6.98 | 21.8 | 4,070 | 10.24 | Clear, Sewage Odor |
| | 08/15/98 | 1.1/0 | 6.92 | 20.8 | 4,140 | 6.89 | Clear, Sewage Odor |
| | 12/27/98 | 0.9 | 6.98 | 19.2 | 3,940 | 10.47 | Clear, Odor |
| | 03/26/99 | 0.6/0.4 | -- | 18.8 | 3,980 | 7.96 | Clear, Odor, turns black in air |
| | 09/08/99 | 1.5/2.0 | 6.90 | 20.1 | 4,020 | -- | Clear, Odor |
| | 03/29/00 | 1.8/0 | 6.89 | 19.5 | 4,130 | 11.28 | Clear, Odor |
| | 11/18/00 | --/0.6 | 6.81 | 18.9 | 3,730 | -- | Strong sulfur smell |
| | 03/29/01 | 0.9 | 6.89 | 20.1 | 4,120 | 7.99 | Clear, Odor |
| | 10/09/01 | 1.6 | 6.81 | 20.4 | 4,390 | -- | Clear with odor |
| | 07/01/02 | 2.0 | 6.72 | 21.4 | 3,540 | -- | Clear turns black, sulfer odor |
| | 02/04/03 | 0.6 | 7.02 | 18.3 | 4,250 | -- | Clear with sulfur smell |
| | 08/02/03 | 0.5 | 6.99 | 23.5 | 4,060 | -- | Clear |
| | 03/23/04 | 0.9 | 6.76 | 20.2 | 3,560 | -- | Clear, odor |
| | 09/09/04 | 2.1 | 6.87 | 21.5 | 3,481 | -- | Clear |
| | 04/02/05 | 4.1 | 7.19 | 20.2 | 4,930 | -- | Clear |
| | 10/07/05 | 1.3 | 6.94 | 21.2 | 3,440 | -- | Clear |
| | 03/25/06 | 2.2 | 7.19 | 20.7 | 3,129 | -- | Clear |
| | 09/22/06 | 3.1 | 7.11 | 21.6 | 3,728 | -- | Clear |
| | 03/15/07 | 2.2 | 7.07 | 20.9 | 3,660 | -- | Clear |
| | 09/26/07 | 2.1 | 7.38 | 22.8 | 3,867 | -- | Clear |
| | | | | | | | |
| MW-14 | 11/02/97 | 2.1 | 7.16 | 18.5 | 3,620 | 1.09 | Clear |
| | 01/29/98 | 3.2 | 7.20 | 17.9 | 3,600 | 2.32 | Clear |
| | 05/27/98 | 5.0 | 7.18 | 24.8 | 3,890 | 2.11 | Clear |
| | 08/11/98 | 5.0 | 7.17 | 25.1 | 3,880 | 4.76 | Clear |
| | 12/23/98 | 2.4 | 7.15 | 18.4 | 3,890 | 2.10 | Clear |
| | 03/25/99 | 3.7 | 7.13 | 18.7 | 3,900 | 1.17 | Clear |
| | 09/07/99 | 5.8 | 7.09 | 21.0 | 3,930 | -- | Clear |
| | 03/28/00 | 2.7 | 7.20 | 19.2 | 3,850 | -- | Clear |
| | 03/28/01 | 2.1 | 7.17 | 19.6 | 3,850 | -- | Clear |
| | 07/03/02 | 2.9 | 6.90 | 19.7 | 3,750 | -- | Clear |
| | 08/01/03 | 1.8 | 7.19 | 22.5 | 3,860 | -- | Clear |
| | 09/09/04 | 2.2 | 7.01 | 20.2 | 3,247 | -- | Clear |
| | 10/07/05 | 1.6 | 7.05 | 18.9 | 3,110 | -- | Clear |
| | 09/22/06 | 1.4 | 7.20 | 20.1 | 3,456 | -- | Clear |
| | 09/27/07 | 1.1 | 7.69 | 20.5 | 3,530 | -- | Clear |
| | | | | | | | |
| MW-15 | 11/02/97 | 3.6 | 7.32 | 20.1 | 3,970 | 1.54 | Clear |
| | 01/28/98 | 3.6 | 7.41 | 17.7 | 3,930 | 2.36 | Clear |
| | 01/27/98 | 4.1 | 7.28 | 22.1 | 4,330 | 1.82 | Clear |
| | 08/13/98 | 4.4 | 7.24 | 20.7 | 4,270 | 1.57 | Clear |
| | 12/24/98 | 5.4 | 7.24 | 15.5 | 4,160 | 1.49 | Clear |
| | 03/24/99 | --/6.0 | 7.16 | 19.9 | 4,310 | 1.71 | Clear |
| | 09/07/99 | 6.2 | 7.20 | 20.6 | 3,900 | -- | Clear |
| | 03/28/00 | 5.0/4.6 | 7.25 | 19.2 | 4,240 | -- | Clear |
| | 03/28/01 | 4.2 | 7.23 | 19.5 | 4,280 | -- | Clear |
| | 07/03/02 | 6.4 | 7.00 | 19.7 | 4,170 | -- | Clear |
| | 08/01/03 | 5.4 | 7.27 | 22.4 | 4,290 | -- | Clear |
| | 09/09/04 | 4.9 | 7.05 | 20.0 | 3,591 | -- | Clear |
| | 10/07/05 | 3.8 | 7.04 | 18.6 | 3,390 | -- | Clear |
| | 09/22/06 | 4.1 | 7.22 | 19.6 | 3,792 | -- | Clear |
| | 09/27/07 | 4.5 | 7.57 | 19.9 | 3,841 | -- | Clear |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-17 | 11/02/97 | 5.8 | 7.26 | 18.5 | 3,910 | 1.20 | Clear |
| | 01/28/98 | 4.9 | 7.01 | 18.2 | 3,880 | 2.71 | Clear |
| | 05/27/98 | 6.3 | 7.25 | 21.9 | 4,250 | 1.95 | Clear |
| | 08/13/98 | 6.7 | 7.28 | 20.1 | 4,210 | 1.65 | Clear |
| | 12/24/98 | 4.5 | 7.25 | 17.7 | 4,220 | 3.30 | Clear |
| | 03/25/99 | 5.6 | 7.21 | 18.6 | 4,260 | 1.32 | Clear w/ flec's, Sewage Odor |
| | 09/07/99 | 7.5/7.0 | 7.26 | 20.4 | 4,000 | -- | Clear |
| | 03/28/00 | 5.7/4.8 | 7.26 | 19.3 | 4,190 | -- | Clear |
| | 03/27/01 | 5.4 | 7.28 | 19.3 | 4,210 | -- | Clear |
| | 07/03/02 | 5.9 | 7.03 | 19.6 | 4,110 | -- | Clear |
| | 08/01/03 | 6.4 | 7.28 | 22.2 | 4,230 | -- | Clear |
| | 09/10/04 | 7.0 | 7.14 | 19.4 | 3,545 | -- | Clear |
| | 10/07/05 | 3.8 | 7.10 | 18.6 | 3,380 | -- | -- |
| | 09/22/06 | 7.5 | 7.20 | 19.4 | 3,839 | -- | Turbid |
| | 09/27/07 | 6.3 | 7.76 | 19.5 | 3,759 | -- | Cloudy |
| | | | | | | | |
| MW-18 | 11/01/97 | 7.6 | 7.41 | 18.6 | 3,850 | 0.73 | Clear |
| | 01/28/98 | 7.6 | 7.36 | 17.6 | 3,810 | 0.63 | Clear |
| | 05/27/98 | 8.2 | 7.55 | 21.1 | 4,170 | 2.81 | Clear |
| | 08/13/98 | 8.3/8.0 | 7.55 | 21.8 | 4,130 | 1.08 | Clear |
| | 12/24/98 | 6.0 | 7.44 | 14.5 | 4,030 | 0.72 | Clear |
| | 03/24/99 | --/8.0 | 7.45 | 19.8 | 4,180 | 1.47 | Clear, Bailed down |
| | | | | | | | |
| MW-19 | 11/01/97 | 8.0 | 7.33 | 19.1 | 4,080 | 0.85 | Clear |
| | 01/27/98 | 6.2 | 7.31 | 18.2 | 4,030 | 4.03 | Clear |
| | 05/27/98 | 7.2 | 7.20 | 19.4 | 4,400 | 3.06 | Clear |
| | 08/13/98 | 8.0 | 7.28 | 20.8 | 4,370 | 2.25 | Clear |
| | 12/23/98 | 6.8 | 7.41 | 16.2 | 4,390 | 6.97 | Clear |
| | 03/24/99 | --/7.2 | 7.23 | 18.7 | 4,380 | 9.08 | Clear |
| | | | | | | | |
| MW-20 | 11/03/97 | 1.4 | 6.90 | 18.6 | 3,750 | 12.6 | Clear |
| | 11/03/97 | 1.0 | 6.86 | 18.2 | 3,710 | -- | Clear |
| | 05/29/98 | 3.9 | 6.81 | 20.8 | 4,000 | 4.11 | Clear, Slightly cloudy at end |
| | 08/15/98 | 2.6 | 6.86 | 20.5 | 4,060 | 13.57 | Clear |
| | 12/28/98 | 2.2/1.8 | 6.88 | 18.5 | 4,060 | 9.30 | Clear |
| | 03/26/99 | 1.5 | 6.78 | 18.1 | 4,130 | 3.23 | Clear |
| | 09/08/99 | 1.5 | 6.79 | 19.2 | 4,040 | -- | Clear |
| | 03/29/00 | 1.8 | 6.82 | 19.0 | 4,070 | 1.89 | Clear |
| | 11/15/00 | 1.8 | 6.76 | 18.5 | 3,680 | -- | Clear |
| | 03/29/01 | 1.9 | 6.82 | 19.6 | 4,070 | 1.99 | Clear |
| | 10/08/01 | 2.3 | 6.71 | 19.0 | 4,280 | -- | Clear |
| | 07/01/02 | 3.0 | 6.66 | 19.8 | 3,880 | -- | Clear |
| | 02/03/03 | 1.5 | 6.88 | 17.8 | 3,930 | -- | Clear |
| | 08/03/03 | 1.4 | 6.87 | 21.9 | 3,980 | -- | Clear |
| | 03/23/04 | 1.1 | 6.76 | 18.5 | 3,380 | -- | Clear, trace of yellow |
| | 09/09/04 | 2.0 | 6.73 | 19.6 | 3,414 | -- | Clear |
| | 04/01/05 | 4.6 | 6.87 | 19.4 | 4,800 | -- | Clear |
| | 10/07/05 | 2.1 | 6.78 | 18.4 | 3,190 | -- | Clear |
| | 03/25/06 | 6.8 | 7.11 | 18.6 | 2,959 | -- | Clear |
| | 09/22/06 | 5.1 | 7.16 | 19.4 | 3,454 | -- | Clear |
| | 03/15/07 | 6.0 | 6.85 | 19.0 | 3,368 | -- | Clear |
| | 09/26/07 | 3.1 | 7.23 | 19.2 | 3,581 | -- | Clear |
| | | | | | | | |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-21 | 11/04/97 | 3.4 | 7.29 | 20.1 | 3,790 | 1.77 | Clear, Odor |
| | 01/30/98 | 1.4 | 7.20 | 17.6 | 3,690 | 2.78 | Clear, Odor |
| | 05/28/98 | 2.7 | 7.21 | 20.6 | 3,990 | 3.57 | Clear, Odor |
| | 08/15/98 | 2.7/2.2 | 7.16 | 20.8 | 4,000 | 2.32 | Clear w/ dark flec's, Odor |
| | 12/28/98 | 0.8 | 7.25 | 18.0 | 3,990 | 4.39 | Clear, Odor, turns black in air |
| | 03/26/99 | 0.6 | 7.17 | 18.4 | 0 | 3.81 | Clear, Odor, turns black in air |
| | 09/07/99 | 0.0 | 7.29 | 20.5 | 3,890 | -- | Clear, Odor, turns black in air |
| | 03/29/00 | 0.8/0.6 | 7.30 | 19.3 | 3,970 | 4.38 | Clear, Odor, turns black in air |
| | 11/18/00 | --/0.3 | 7.43 | 19.0 | 3,570 | -- | Clear, strong sulfur smell |
| | 03/29/01 | 0.9/0.0 | 7.31 | 19.6 | 3,960 | 2.09 | Clear, Odor, turns black in air |
| | 10/08/01 | 1.4 | 7.31 | 19.6 | 4,230 | -- | Strong odor |
| | 07/01/02 | 2.0 | 6.80 | 20.1 | 3,820 | -- | Gray/black, slight odor |
| | 02/03/03 | 0.8 | 7.42 | 18.3 | 3,910 | -- | Clear, sulfur smell |
| | 08/02/03 | 0.9 | 7.28 | 22.4 | 3,960 | -- | Clear |
| | 03/23/04 | 1.1 | 7.07 | 18.6 | 3,290 | -- | Clear |
| | 09/10/04 | 2.7 | 6.96 | 19.4 | 3,366 | -- | Clear |
| | 04/01/05 | 5.3 | 7.29 | 19.9 | 4,690 | -- | Clear |
| | 10/07/05 | 4.3 | 7.11 | 18.5 | 3,210 | -- | Clear |
| | 03/25/06 | 5.0 | 7.44 | 18.9 | 2,950 | -- | Clear |
| | 09/22/06 | 3.8 | 7.33 | 20.7 | 3,542 | -- | Clear |
| | 03/14/07 | 1.7 | 7.08 | 19.4 | 3,475 | -- | Clear |
| | 09/27/07 | 4.9 | 7.37 | 20.1 | 3,548 | -- | Clear |
| | | | | | | | |
| MW-22 | 11/03/97 | 7.0 | 7.22 | 18.5 | 3,700 | 260.0 | Cloudy |
| | 01/29/98 | 6.5 | 7.22 | 18.2 | 3,660 | 10.35 | Clear |
| | 05/28/98 | 8.6 | 7.18 | 22.8 | 3,940 | 48.03 | Clear |
| | 08/14/98 | 8.6 | 7.20 | 20.5 | 3,970 | 168.0 | Cloudy |
| | 12/27/98 | 8.0 | 7.25 | 19.9 | 3,940 | 12.00 | Clear |
| | 03/25/99 | 7.0 | 7.19 | 17.4 | 3,980 | 1.19 | Clear |
| | 09/08/99 | 7.6 | 7.20 | 19.4 | 3,900 | -- | Clear |
| | 03/28/00 | 8.4 | 7.26 | 18.9 | 3,930 | 5.36 | Clear |
| | 11/15/00 | 6.5 | 7.20 | 16.7 | 1,343 | -- | Clear |
| | 03/29/01 | 7.6 | 7.21 | 19.8 | 3,930 | 4.55 | Clear |
| | 10/08/01 | 8.1 | 7.28 | 19.5 | 4,190 | -- | Clear |
| | 07/01/02 | 7.2 | 6.91 | 20.2 | 3,740 | -- | Clear |
| | 02/03/03 | 6.1 | 7.55 | 17.6 | 3,910 | -- | Clear |
| | 08/02/03 | 7.9 | 7.27 | 22.1 | 3,880 | -- | Cloudy |
| | 03/23/04 | 4.8 | 6.89 | 19.1 | 3,280 | -- | Clear |
| | 09/09/04 | 6.9 | 7.05 | 20.2 | 3,259 | -- | Cloudy |
| | 04/01/05 | 6.8 | 6.99 | 19.3 | 4,440 | -- | Clear |
| | 10/07/05 | 5.1 | 7.06 | 18.7 | 3,100 | -- | Turbid |
| | 03/25/06 | 6.6 | 7.28 | 18.7 | 2,865 | -- | Turbid |
| | 09/22/06 | 5.3 | 7.22 | 20.9 | 3,544 | -- | Turbid |
| | 03/14/07 | 5.1 | 6.96 | 19.2 | 3,387 | -- | Turbid |
| | 09/26/07 | 5.5 | 7.06 | 20.0 | 3,516 | -- | Clear |
| | | | | | | | |
| MW-23D | 11/05/97 | 2.8 | 7.55 | 18.1 | 2,550 | 87.5 | Slightly to Mod. Milky, Sulfur Smell |
| | 01/28/98 | 4.8 | 8.06 | 18.6 | 3,820 | >200 | Silty |
| | 05/27/98 | 7.1 | 7.61 | 23.2 | 4,150 | -- | Turbid |
| | 08/11/98 | 4.2 | 7.22 | 19.9 | 4,130 | 17.81 | Clear |
| | 12/23/98 | 4.6 | 7.50 | 16.6 | 4,210 | 43.94 | Clear |
| | 04/05/99 | 5.6 | 7.18 | 18.8 | 4,160 | -- | Clear |
| | 05/02/00 | 4.3 | 7.41 | 19.5 | 3,920 | -- | Silty |
| | 04/19/01 | 3.2 | 7.67 | 20.2 | 3,780 | -- | Slightly silty |
| | 06/20/01 | 5.5 | 7.36 | 19.3 | 3,550 | -- | Slightly w/Sulfur Smell |
| | 06/12/02 | -- | -- | -- | -- | -- | -- |
| | 08/02/03 | 4.2 | 7.71 | 21.4 | 3,140 | -- | Clear |
| | 09/09/04 | 3.7 | 7.34 | 19.7 | 4,120 | -- | Turbid, Bailed down |
| | 10/16/05 | 4.1 | 7.30 | 19.7 | -- | -- | Turbid, Bailed down |
| | 09/22/06 | 5.5 | 10.07 | 22.6 | 3,753 | -- | Slightly turbid, bailed down |
| | 09/27/07 | 4.4 | 7.57 | 19.4 | 3,694 | -- | Turbid |
| | | | | | | | |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-24D | 10/29/98 | 5.4 | 7.43 | 18.5 | 2,930 | -- | Silty |
| | 12/23/98 | 4.2 | 7.49 | 16.7 | 3,840 | >1000 | Turbid, Bailed down |
| | 03/30/99 | 4.6 | 6.98 | 18.4 | 3,750 | -- | Turbid, Bailed down |
| | 05/02/00 | 4.2 | 7.28 | 19.9 | 3,610 | -- | Very Silty |
| | 04/19/01 | 5.8 | 7.29 | 19.6 | 3,610 | -- | Silty |
| | 06/20/01 | 6.2 | 7.35 | 21.2 | 3,130 | -- | Silty |
| | 06/12/02 | -- | -- | -- | -- | -- | -- |
| | 08/02/03 | 5.9 | 7.21 | 20.7 | 2,950 | -- | Slightly Silty |
| | 09/09/04 | 3.9 | 7.21 | 19.5 | 3,760 | -- | Turbid, Bailed down |
| | 10/16/05 | 4.1 | 7.22 | 19.4 | 3,720 | -- | Turbid, Bailed down |
| | 09/22/06 | 1.6 | 7.18 | 20.5 | 3,383 | -- | Clear, Bailed down |
| | 09/27/07 | 4.7 | 7.04 | 18.6 | 3,477 | -- | Turbid |
| | | | | | | | |
| MW-25D | 10/29/98 | 4.9 | 7.80 | 18.6 | 3,370 | -- | Silty |
| | 12/23/98 | 4.6 | 7.67 | 16.9 | 3,820 | 77 | Clear, Bailed down |
| | 03/30/99 | 4.1 | 7.36 | 18.1 | 3,790 | -- | Turbid, Bailed down |
| | 05/02/00 | 4.5 | 7.52 | 19.2 | 3,510 | -- | Turbid, Bailed down |
| | 04/19/01 | 3.7 | 7.50 | 19.1 | 3,600 | -- | Silty |
| | 06/20/01 | 6.3 | 7.59 | 21.4 | 3,280 | -- | Very Silty |
| | 06/12/02 | -- | -- | -- | -- | -- | -- |
| | 08/02/03 | 3.7 | 7.48 | 20.8 | 2,900 | -- | Silty |
| | 09/09/04 | 4.9 | 7.37 | 19.6 | 3,690 | -- | Turbid, gray/brown |
| | 10/16/05 | 4.6 | 7.30 | 19.5 | 3,720 | -- | Turbid, Bailed down |
| | 09/22/06 | 1.8 | 7.28 | 20.7 | 3,508 | -- | Clear, Bailed down |
| | 09/27/07 | 4.9 | 7.06 | 19.0 | 3,489 | -- | Clear, Bailed down |
| | | | | | | | |
| MW-26 | 10/29/98 | 4.6 | 7.20 | 18.8 | 3,620 | -- | Clear |
| | 12/27/98 | 4.9 | 7.13 | 19.4 | 4,130 | 83 | Cloudy/Turbid |
| | 03/25/99 | 4.8 | 7.09 | 18.4 | 4,170 | 35.38 | Clear initial/cloudy last |
| | 07/25/99 | 3.3 | 7.17 | 20.3 | 4,220 | -- | Clear, no odor |
| | 09/07/99 | 8.4/7.0 | 7.11 | 19.7 | 4,170 | -- | Clear |
| | 03/28/00 | 6.1/6.2 | 7.13 | 18.7 | 4,090 | 46.91 | Clear |
| | 11/15/00 | 6.8/7.0 | 7.11 | 18.4 | 3,730 | -- | Clear |
| | 03/28/01 | 5.1/5.0 | 7.09 | 19.0 | 4,110 | 16.43 | Clear |
| | 10/08/01 | 5.5 | 7.06 | 19.2 | 4,340 | -- | Clear |
| | 07/01/02 | 5.0 | 6.79 | 19.3 | 3,910 | -- | Clear |
| | 02/03/03 | 4.1 | 7.10 | 17.5 | 4,030 | -- | Clear |
| | 08/03/03 | 3.4 | 7.08 | 21.4 | 3,950 | -- | Clear |
| | 03/23/04 | 3.4 | 6.89 | 18.3 | 3,380 | -- | Yellow |
| | 09/09/04 | 4.5 | 6.88 | 19.2 | 3,436 | -- | Clear |
| | 04/01/05 | 4.7 | 7.00 | 19.2 | 4,740 | -- | Clear |
| | 10/07/05 | 3.7 | 6.91 | 18.3 | 3,200 | -- | Clear |
| | 03/25/06 | 3.9 | 7.14 | 18.5 | 2,991 | -- | Clear |
| | 09/22/06 | 3.7 | 7.08 | 19.2 | 3,577 | -- | Clear |
| | 03/14/07 | 3.7 | 6.78 | 18.5 | 3,502 | -- | Clear |
| | 09/26/07 | 4.1 | 7.58 | 19.1 | 3,596 | -- | Clear |
| | | | | | | | |
| MW-28 | 11/18/00 | -- | 7.28 | 17.0 | 3,510 | -- | Silty |
| | 02/13/01 | 4.7 | 7.30 | 17.4 | 3,480 | -- | Silty |
| | 03/28/01 | 5.3 | 7.20 | 19.5 | 3,880 | 31.55 | Clear |
| | 06/20/01 | 4.8 | 7.11 | 20.0 | 3,300 | -- | Slightly silty to clear |
| | 10/09/01 | 5.0 | 7.12 | 19.7 | 4,120 | -- | Clear |
| | 07/03/02 | 3.7 | 6.92 | 20.6 | 3,750 | -- | Clear |
| | 08/02/03 | 5.1 | 7.19 | 22.2 | 3,840 | -- | Clear |
| | 09/10/04 | 5.3 | 7.03 | 20.0 | 3,246 | -- | Clear |
| | 10/06/05 | 3.7 | 7.19 | 18.0 | 3,070 | -- | Clear |
| | 09/22/06 | 4.0 | 7.13 | 19.9 | 3,425 | -- | Turbid |
| | 09/27/07 | 4.9 | 7.12 | 19.4 | 3,389 | -- | Turbid |
| | | | | | | | |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| MW-29 | 11/19/00 | -- | 7.60 | 17.9 | 2,320 | -- | Brown silty |
| | 02/13/01 | 3.0 | 7.06 | 17.0 | 2,300 | -- | Silty |
| | 03/28/01 | 2.7 | 7.17 | 19.5 | 2,610 | 8.51 | Clear, bailing down |
| | 06/20/01 | 1.8 | 7.03 | 21.4 | 2.25 | -- | Clear |
| | 10/09/01 | 2.6 | 7.07 | 20.1 | 2,700 | -- | Clear |
| | 07/03/02 | 2.2 | 6.66 | 23.8 | 2,390 | -- | Clear |
| | 02/03/03 | 2.1 | 7.49 | 18.4 | 2,580 | -- | Clear, sulfur smell |
| | 08/03/03 | 0.4 | 7.15 | 21.6 | 2,640 | -- | Turbid |
| | 03/23/04 | 1.0 | 7.12 | 18.4 | 2,070 | -- | Turbid, slight odor |
| | 09/10/04 | 3.1 | 7.17 | 19.2 | 2,540 | -- | Turbid, brown |
| | 04/01/05 | 2.4 | 7.28 | 20.0 | 2,890 | -- | Turbid, odor |
| | 10/06/05 | 0.8 | 7.09 | 18.6 | 2,060 | -- | Turbid, odor |
| | 03/24/06 | 1.1 | 7.24 | 18.7 | 2,684 | -- | Turbid, odor |
| | 09/22/06 | 2.3 | 6.86 | 19.3 | 2,210 | -- | Turbid, odor |
| | 03/14/07 | 1.6 | 6.81 | 19.0 | 2,227 | -- | Turbid, odor |
| | 09/25/07 | 0.9 | 8.17 | 19.6 | 2,272 | -- | Clear |
| | | | | | | | |
| MW-30 | 11/18/00 | -- | 7.54 | 18.6 | 3,350 | -- | Silty |
| | 02/13/01 | 4.8 | 7.27 | 17.3 | 3,480 | -- | Slightly silty |
| | 03/28/01 | 4.8 | 7.18 | 19.6 | 3,880 | 36.52 | Slightly cloudy |
| | 06/20/01 | 4.7 | 7.06 | 20.4 | 3,300 | -- | Clear |
| | 10/09/01 | 5.5 | 7.23 | 19.7 | 4,130 | -- | Clear |
| | 07/04/02 | 3.5 | 7.04 | 19.2 | 3,800 | -- | Clear |
| | 08/02/03 | 5.0 | 7.20 | 22.9 | 3,850 | -- | Clear |
| | 09/10/04 | 5.8 | 7.05 | 19.9 | 3,252 | -- | Clear |
| | 10/06/05 | 3.5 | 7.10 | 18.4 | 3,120 | -- | Clear |
| | 09/21/06 | 5.8 | 7.19 | 20.0 | 3,449 | -- | Turbid |
| | 09/27/07 | 4.7 | 7.72 | 20.4 | 3,511 | -- | Slightly Turbid |
| | | | | | | | |
| MW-31 | 10/04/01 | 7.5 | 7.49 | 18.5 | 4,260 | -- | Red/Silty |
| | 02/26/02 | 6.3 | 7.31 | 19.6 | 4,340 | -- | Clear |
| | 07/04/02 | 5.1 | 7.08 | 19.5 | 4,070 | -- | Clear |
| | 08/02/03 | 6.3 | 7.34 | 22.7 | 4,150 | -- | Clear |
| | 09/10/04 | 6.7 | 7.15 | 19.6 | 3,482 | -- | Clear |
| | 10/06/05 | 4.2 | 7.21 | 18.0 | 3,270 | -- | Clear |
| | 09/22/06 | 5.1 | 7.25 | 19.7 | 3,685 | -- | Clear |
| | 09/25/07 | 5.5 | 8.38 | 20.2 | 3,790 | -- | Clear |
| | | | | | | | |
| MW-32 | 10/04/01 | 3.8 | 7.41 | 19.0 | 3,800 | -- | Silght odor |
| | 02/26/02 | 1.2 | 7.21 | 20.5 | 3,770 | -- | Cloudy |
| | 07/04/02 | 1.3 | 7.06 | 19.3 | 3,500 | -- | Cloudy |
| | 02/03/03 | 0.8 | 7.56 | 18.3 | 3,590 | -- | Cloudy |
| | 08/02/03 | 1.0 | 7.23 | 22.5 | 3,520 | -- | Cloudy |
| | 03/23/04 | 0.6 | 7.10 | 18.3 | 2,910 | -- | Clear, slight odor |
| | 09/10/04 | 1.1 | 7.08 | 19.8 | 3,109 | -- | Clear |
| | 04/01/05 | 1.7 | 7.20 | 20.1 | 4,230 | -- | Clear |
| | 10/06/05 | 2.6 | 7.22 | 18.3 | 3,100 | -- | Clear |
| | 03/26/06 | 1.1 | 7.30 | 19.5 | 2,698 | -- | Clear |
| | 09/21/06 | 1.3 | 7.16 | 19.3 | 3,201 | -- | Clear |
| | 03/14/07 | 1.2 | 6.93 | 19.4 | 3,179 | -- | Clear |
| | 09/27/07 | 1.0 | 7.05 | 19.0 | 3,217 | -- | Clear |
| | | | | | | | |
| MW-33 | 10/04/01 | 7.6 | 7.56 | 19.0 | 4,360 | -- | Red/Silty |
| | 02/26/02 | 5.4 | 7.31 | 19.2 | 4,280 | -- | Clear |
| | 07/04/02 | 4.4 | 7.11 | 19.9 | 4,040 | -- | Clear |
| | 08/02/03 | 5.6 | 7.31 | 22.4 | 4,130 | -- | Clear |
| | 09/10/04 | 6.3 | 7.17 | 20.0 | 3,471 | -- | Clear |
| | 10/06/05 | 3.9 | 7.28 | 18.3 | 3,210 | -- | Clear |
| | 09/21/06 | 6.2 | 7.25 | 19.6 | 3,639 | -- | Clear |
| | 09/27/07 | 5.5 | 7.21 | 19.8 | 3,669 | -- | Clear |
| | | | | | | | |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| MW-34 | 01/21/03 | 2.3 | 7.42 | 19.5 | 3,380 | -- | Slightly silty |
| | 02/04/03 | 2.2 | 7.54 | 17.9 | 3,910 | -- | Turbid |
| | 08/03/03 | 1.5 | 7.26 | 21.7 | 3,980 | -- | Turbid |
| | 03/22/04 | 1.2 | 7.10 | 19.6 | 3,340 | -- | Slightly Turbid |
| | 09/10/04 | 4.9 | 7.25 | 19.2 | 3,840 | -- | Turbid, brown |
| | 04/01/05 | 3.2 | 7.28 | 19.4 | 4,600 | -- | Slightly Turbid, red |
| | 10/06/05 | 1.5 | 7.12 | 18.5 | 3,190 | -- | Clear |
| | 03/26/06 | 1.7 | 7.32 | 19.2 | 2,928 | -- | Clear |
| | 09/21/06 | 3.2 | 7.20 | 19.7 | 3,497 | -- | Clear |
| | 03/14/07 | 3.3 | 6.93 | 19.3 | 3,443 | -- | Clear |
| | 09/26/07 | 6.4 | 7.37 | 19.5 | 3,521 | -- | Clear |
| MW-35 | 01/21/03 | 3.5 | 7.33 | 19.8 | 3,480 | -- | Silty |
| | 02/03/03 | 5.4 | 7.72 | 18.3 | 3,770 | -- | Turbid |
| | 08/03/03 | 6.1 | 7.29 | 21.7 | 4,120 | -- | Turbid |
| | 03/22/04 | 4.6 | 7.17 | 19.4 | 3,390 | -- | Slightly silty |
| | 09/10/04 | 7.3 | 7.23 | 19.0 | 4,050 | -- | Turbid, brown |
| | 04/01/05 | 6.4 | 7.33 | 19.9 | 4,870 | -- | Clear |
| | 10/06/05 | 4.8 | 7.20 | 18.5 | 3,300 | -- | Clear |
| | 03/26/06 | 6.6 | 7.41 | 19.5 | 3,098 | -- | Clear |
| | 09/21/06 | 7.7 | 7.24 | 19.8 | 3,669 | -- | Clear |
| | 03/14/07 | 6.1 | 6.99 | 19.6 | 3,626 | -- | Clear |
| | 09/26/07 | 6.6 | 7.34 | 19.6 | 3,685 | -- | Clear |
| MW-36 | 11/11/03 | 2.1 | 7.31 | 20.1 | 2,960 | -- | Turbid/Silty |
| | 03/22/04 | 4.1 | 7.11 | 19.6 | 3,120 | -- | Slightly Turbid |
| | 09/10/04 | 4.8 | 7.11 | 19.6 | 3,143 | -- | Cloudy |
| | 04/02/05 | 3.9 | 7.39 | 19.7 | 4,540 | -- | Clear |
| | 10/06/05 | 3.2 | 7.27 | 17.8 | 2,960 | -- | Clear |
| | 03/26/06 | 4.1 | 7.17 | 18.7 | 2,727 | -- | Clear |
| | 09/21/06 | 4.5 | 7.20 | 19.6 | 3,309 | -- | Clear |
| | 03/14/07 | 3.1 | 6.41 | 18.9 | 3,220 | -- | Cloudy |
| | 09/26/07 | 3.6 | 7.52 | 19.4 | 3,323 | -- | Cloudy |
| MW-37 | 11/11/03 | 2.1 | 7.43 | 20.2 | 2,930 | -- | Slightly Silty |
| | 03/22/04 | 2.8 | 7.09 | 18.8 | 3,290 | -- | Slightly Turbid |
| | 09/10/04 | 4.9 | 7.04 | 19.5 | 3,364 | -- | Clear |
| | 04/02/05 | 3.4 | 7.26 | 18.8 | 4,690 | -- | Clear |
| | 10/06/05 | 3.4 | 7.11 | 17.6 | 3,180 | -- | Clear |
| | 03/26/06 | 4.1 | 7.25 | 18.5 | 2,911 | -- | Clear |
| | 09/21/06 | 4.7 | 7.11 | 19.3 | 3,508 | -- | Clear |
| | 03/14/07 | 3.7 | 6.73 | 18.8 | 3,439 | -- | Clear |
| | 09/26/07 | 5.0 | 7.40 | 19.5 | 3,567 | -- | Clear |
| MW-38 | 11/11/03 | 4.5 | 7.68 | 20.4 | 3,290 | -- | Turbid/Silty |
| | 03/22/04 | 5.2 | 7.18 | 19.4 | 3,510 | -- | Slightly Turbid |
| | 09/10/04 | 7.9 | 7.16 | 20.2 | 3,510 | -- | Clear |
| | 04/02/05 | 6.7 | 7.40 | 18.9 | 4,980 | -- | Clear |
| | 10/06/05 | 4.8 | 7.08 | 17.8 | 3,220 | -- | Clear |
| | 03/26/06 | 6.9 | 7.41 | 19.0 | 3,092 | -- | Clear |
| | 09/21/06 | 7.9 | 7.05 | 20.2 | 3,755 | -- | Clear |
| | 03/14/07 | 6.6 | 6.93 | 19.3 | 3,641 | -- | Clear |
| | 09/26/07 | 6.3 | 7.45 | 20.4 | 3,802 | -- | Clear |
| MPE-1 | 08/02/03 | 3.8 | 7.33 | 21.4 | 3,100 | -- | Turbid |
| MPE-2 | 08/02/03 | 3.2 | 7.29 | 21.0 | 2,940 | -- | Turbid |
| | 03/22/04 | 4.3 | 7.14 | 19.5 | 3,420 | -- | Clear |
| | 09/10/04 | 5.7 | 7.27 | 19.1 | 3,840 | -- | Turbid, brown |
| | 04/02/05 | 3.6 | 7.34 | 19.1 | 4,740 | -- | Turbid, silty, red |
| | 10/16/05 | 6.0 | 7.20 | 19.3 | 3,760 | -- | Turbid, brown |
| | 03/24/06 | 6.0 | 7.33 | 18.6 | 4,432 | -- | Turbid, brown |

## Table 3. Summary of Field Measured Parameters
## Compressor Station No. 9 - Roswell, NM

| Well ID | Date | Dissolved Oxygen (mg/L) Meter/Hach | pH | Temperature °C | Electrical Conductivity (µs/cm) | Turbidity (NTU/FTU) | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| MPE-11 | 08/02/03 | 1.5 | 7.39 | 20.8 | 2,040 | -- | Black w/ Sulfur odor |
| | 03/22/04 | 0.7 | 7.04 | 19.7 | 2,580 | -- | Gray w/ Strong sulfur odor |
| | 09/10/04 | 2.2 | 7.26 | 20.0 | 3,230 | -- | Black w/odor |
| | 04/02/05 | 3.1 | 7.39 | 19.1 | 3,840 | -- | Black w/odor |
| | 10/16/05 | 2.9 | 7.15 | 19.4 | 3,580 | -- | Black w/odor |
| | 03/24/06 | 1.9 | 7.29 | 19.9 | 4,081 | -- | Turbid, gray/black |
| | | | | | | | |
| MPE-15 | 08/03/03 | 3.0 | 7.17 | 22.6 | 2,020 | -- | Black w/ Odor |
| | 03/22/04 | 3.8 | 7.06 | 20.6 | 1,840 | -- | Grayish brown w/ strong odor |
| | 09/10/04 | 0.9 | 7.23 | 20.2 | 2,280 | -- | Black, turbid, odor |
| | 10/16/05 | 1.0 | 7.15 | 19.2 | 2,330 | -- | Turbid, odor |
| | 03/24/06 | 1.2 | 7.35 | 18.8 | 2,430 | -- | Gray color w/odor |
| | | | | | | | |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-3 | 04/30/93 | < 5 | < 5 | < 5 | NA | NA | < 5 | < 5 | < 5 | < 5 | NA | NA | NA |
| | 08/22/95 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/10/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/30/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/03/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/24/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-5 | 04/30/93 | < 5 | < 5 | < 5 | NA | NA | < 5 | < 5 | < 5 | < 5 | NA | NA | NA |
| | 08/22/95 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/10/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/25/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 10/31/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/11/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/22/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/23/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-6 | 12/02/94 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | < 0.2 | < 5 | < 5 | < 0.2 | NA | NA | NA |
| | 08/22/95 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/10/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/25/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 10/31/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/11/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/22/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/23/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| MW-7 | 08/23/95 | < 5 | < 5 | < 5 | < 5 | **900** | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/17/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/31/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/03/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/14/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/27/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 11/18/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NA | NA |
| (Dup MW-31) | 11/18/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NA | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 10/08/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 07/01/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
# Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-8 | 08/22/95 | **6** | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/11/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/01/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/02/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/14/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/27/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| MW-9 | 08/23/95 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 09/11/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/31/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/02/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/14/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/27/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-10 | 09/19/96 | **2** | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/31/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/01/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/22/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/23/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-11 | 09/19/96 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/30/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/01/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/26/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/22/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | **1.1** | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
# Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-12 | 09/17/96 | **760** | < 5 | < 5 | **52** | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/06/97 | **280** | < 5 | < 5 | < 5 | < 1 0 | < 5 | **9** | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/04/97 | **340** | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| (Dup MW-24) | 11/04/97 | **260** | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/30/98 | **310** | < 5 | < 5 | **26** | < 20 | < 5 | < 5 | < 5 | < 5 | **10** | < 5 | NA |
| | 05/28/98 | **310** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | **9** | < 5 | NA |
| | 08/15/98 | **190** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | **8** | < 5 | NA |
| (Dup MW-28) | 08/15/98 | **200** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | **9** | < 5 | NA |
| | 12/28/98 | **120** | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | **4** | **2.8** | NA |
| | 03/26/99 | **92** | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | **3** | **2.2** | NA |
| (Dup MW-28) | 03/26/99 | **95** | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | **2** | **2.2** | NA |
| | 09/07/99 | **38** | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/29/00 | **92** | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 11/18/00 | **80.2** | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NA | NA |
| | 03/29/01 | **59.4** | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | NA | NA |
| | 10/08/01 | **112** | < 1 | < 1 | **1.68** | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 07/01/02 | **51** | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 02/03/03 | **30** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/02/03 | **24** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/04 | **59** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | **66** | < 1.0 | **1.3** | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | **420** | < 5.0 | < 5.0 | **5.98** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | **230** | < 1.0 | < 1.0 | **1.0** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/25/06 | **220** | < 5.0 | < 5.0 | < 15 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | **480** | **97** | **15** | **54** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/15/07 | **2200** | **450** | **96** | **270** | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-41) | 03/15/07 | **1800** | **560** | **120** | **340** | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 09/26/07 | **1300** | **620** | **230** | **780** | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-42) | 09/26/07 | **1300** | **580** | **220** | **720** | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-13 | 09/19/96 | **4,600** | **9** | < 5 | **170** | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/09/97 | **2,400** | < 5 | **100** | < 5 | < 100 | < 5 | **41** | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/04/97 | **590** | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | **61** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | **140** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/15/98 | **30** | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/27/98 | **58** | **1** | < 1 | **4** | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | **1.3** | NA |
| | 03/26/99 | **44** | < 1 | < 1 | **6** | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | **0.8** | NA |
| | 09/08/99 | **160** | **2** | < 1 | **4** | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/29/00 | **84** | **4.0** | < 1 | **4.0** | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 11/18/00 | **139** | < 1.00 | < 1.00 | **2.34** | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NA | NA |
| | 03/29/01 | **212** | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 10/09/01 | **317** | < 1 | < 1 | **7.81** | < 10 | < 1 | < 1 | < 1 | < 1 | **1.41** | NA | NA |
| | 07/01/02 | **590** | < 10 | < 10 | **31** | NA | < 10 | < 10 | < 10 | < 10 | < 10 | NA | NA |
| | 02/04/03 | **560** | < 10 | < 10 | **19** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/02/03 | **1.1** | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/25/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/15/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-14 | 09/24/96 | **2** [a] | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/01/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/02/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/11/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/23/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | **3.3** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | **48** | < 1.0 | < 1.0 | **2.3** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | **42** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | **25** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-15 | 09/25/96 | **4** [a] | **6** | < 5 | **6** | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/08/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/02/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/24/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-17 | 09/24/96 | **2** [a] | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 07/31/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/02/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/24/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 03/27/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | NA | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/01/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-18 | 08/09/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/01/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/24/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| MW-19 | 09/27/96 | 2 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 08/08/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/01/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/13/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/23/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/24/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-20 | 08/07/97 | **12** | < 5 | < 5 | < 5 | < 100 | **8** | < 5 | **39** | **22** | NA | < 10 | < 10 |
| | 11/03/97 | < 5 | < 5 | < 5 | < 5 | < 100 | **10** | < 5 | **86** | **28** | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | **12** | < 5 | **72** | < 5 | < 5 | < 5 | NA |
| | 05/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | **15** | < 5 | **120** | < 5 | < 5 | < 5 | NA |
| (Dup MW-24) | 05/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | **14** | < 5 | **140** | **29** | < 5 | < 5 | NA |
| | 08/15/98 | < 5 | < 5 | < 5 | < 5 | < 20 | **14** | < 5 | **100** | **28** | < 5 | < 5 | NA |
| | 12/28/98 | < 1 | < 1 | < 1 | < 1 | < 20 | **15** | < 1 | **83** | **27** | < 1 | < 1 | NA |
| (Dup MW-28) | 12/28/98 | < 1 | < 1 | < 1 | < 1 | < 20 | **15** | < 1 | **83** | **27** | < 1 | < 1 | NA |
| | 03/26/99 | < 1 | < 1 | < 1 | < 1 | < 20 | **15** | < 1 | **84** | **27** | < 1 | < 1 | NA |
| | 09/08/99 | < 1 | < 1 | < 1 | < 1 | < 20 | **16** | < 1 | **100** | **26** | < 1 | NA | NA |
| (Dup MW-28) | 09/08/99 | < 1 | < 1 | < 1 | < 1 | < 20 | **17** | < 1 | **110** | **26** | < 1 | NA | NA |
| | 03/29/00 | < 1 | < 1 | < 1 | < 1 | < 20 | **19** | < 1 | **110** | **24** | < 1 | NA | NA |
| (Dup MW-31) | 03/29/00 | < 1 | < 1 | < 1 | < 1 | < 20 | **18** | < 1 | **110** | **22** | < 1 | NA | NA |
| | 11/15/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | **17.5** | < 1.00 | **94.5** | **18.7** | < 1.00 | NA | NA |
| | 03/29/01 | < 1 | < 5 | < 5 | < 5 | < 10 | **26.6** | < 5 | **128** | **19.1** | NA | NA | NA |
| (Dup MW-31) | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | **22.1** | < 5 | **130** | **22** | NA | NA | NA |
| | 10/08/01 | < 1 | < 1 | < 1 | < 3 | < 10 | **26.6** | < 1 | **204** | **20.8** | < 1 | NA | NA |
| | 07/01/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | **25** | < 1.0 | **110** | **12** | < 1.0 | NA | NA |
| | 02/03/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | **24** | < 1.0 | **160** | **11** | < 1.0 | NA | NA |
| | 08/03/03 | **1.4** | < 1.0 | < 1.0 | < 1.0 | < 10 | **26** | < 1.0 | **120** | **8.8** | < 1.0 | NA | NA |
| (Dup MW-39) | 08/03/03 | **1.3** | < 1.0 | < 1.0 | < 1.0 | < 10 | **28** | < 1.0 | **130** | **9.3** | < 1.0 | NA | NA |
| | 03/23/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 50 | **29** | < 5.0 | **110** | **5.7** | < 5.0 | NA | NA |
| | 09/09/04 | **1.2** | < 1.0 | < 1.0 | < 1.0 | < 10 | **23** | < 1.0 | **140** | **5.7** | < 1.0 | NA | NA |
| (Dup MW-40) | 09/09/04 | **1.2** | < 1.0 | < 1.0 | < 1.0 | < 10 | **23** | < 1.0 | **94** | **5.1** | < 1.0 | NA | NA |
| | 04/01/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 50 | **62** | < 5.0 | **240** | **9.1** | < 5.0 | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 50 | **62** | < 5.0 | **240** | **8.7** | < 5.0 | NA | NA |
| (Dup MW-40) | 03/25/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **20** | < 1.0 | **55** | **3.2** | < 1.0 | NA | NA |
| | *03/25/06* | *< 1.0* | *< 1.0* | *< 1.0* | *< 1.0* | *< 10* | **23** | *< 1.0* | **63** | **2.9** | *< 1.0* | *NA* | *NA* |
| (Dup MW-41) | 06/22/06 | **4.7** | < 1.0 | < 1.0 | < 3.0 | < 10 | **15** | < 1.0 | **47** | **1.6** | < 1.0 | NA | NA |
| | 06/22/06 | **4.3** | < 1.0 | < 1.0 | < 3.0 | < 10 | **15** | < 1.0 | **45** | **1.6** | < 1.0 | NA | NA |
| | 03/15/07 | **5.3** | < 1.0 | < 1.0 | < 1.5 | < 10 | **16** | < 1.0 | **40** | < 1.0 | < 1.0 | NA | NA |
| (Dup MW-42) | 03/15/07 | **4.7** | < 1.0 | < 1.0 | < 1.5 | < 10 | **16** | < 1.0 | **37** | < 1.0 | < 1.0 | NA | NA |
| | 09/26/07 | **1.7** | < 1.0 | < 1.0 | < 1.5 | < 10 | **25** | < 1.0 | **64** | **1.1** | < 1.0 | NA | NA |
| (Dup MW-41) | 09/26/07 | **1.6** | < 1.0 | < 1.0 | < 1.5 | < 10 | **25** | < 1.0 | **65** | **1.1** | < 1.0 | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-21 | 08/07/97 | **370** | < 5 | < 5 | < 5 | < 100 | < 5 | **11** | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/04/97 | **170** | < 5 | < 5 | **15** | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/30/98 | **700** | < 5 | < 5 | **26** | < 20 | < 5 | < 5 | < 5 | < 5 | NA | < 5 | NA |
| (Dup MW-24) | 01/30/98 | **700** | < 5 | < 5 | **24** | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | **790** | < 5 | < 5 | **34** | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/15/98 | **1,000** | < 5 | < 5 | **68** | < 20 | < 5 | < 5 | < 5 | < 5 | **7** | < 5 | NA |
| | 12/28/98 | **1,400** | **1** | < 1 | **61** | < 20 | < 1 | < 1 | < 1 | < 1 | **9** | **8.8** | NA |
| | 03/26/99 | **1,400** | < 1 | < 1 | **28** | < 20 | < 1 | < 1 | < 1 | < 1 | **5** | **7.1** | NA |
| | 09/07/99 | **1,500** | < 1 | **4** | **25** | < 20 | < 1 | < 1 | < 1 | < 1 | **4** | NA | NA |
| | 03/29/00 | **1,700** | < 1 | **8.0** | **12** | < 20 | < 1 | < 1 | < 1 | < 1 | **4.0** | NA | NA |
| | 11/18/00 | **1,430** | < 5.00 | **12.7** | < 10.0 | < 50.0 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | NA | NA |
| | 03/29/01 | **2,600** | < 10 | **16.9** | < 10 | < 20 | < 10 | < 10 | < 2 | < 10 | < 10 | NA | NA |
| | 10/08/01 | **2,210** | < 1 | **19** | **2.6** | < 10 | < 1 | < 1 | < 1 | < 1 | **1.38** | NA | NA |
| (Dup MW-34) | 10/08/01 | **2,060** | < 1 | **18.6** | **2.64** | < 10 | < 1 | < 1 | < 1 | < 1 | **1.38** | NA | NA |
| | 07/01/02 | **1,800** | < 1.0 | **21** | **1.4** | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **1.6** | NA | NA |
| | 02/03/03 | **1,400** | < 10 | **40** | < 10 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-36) | 02/03/03 | **1,600** | < 10 | **37** | < 10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/02/03 | **370** | < 1 | < 1 | **2.2** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/25/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
# Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-22 | 08/07/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/03/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/14/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/27/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | **4** | **1** | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | **4** | **1** | < 1 | < 1 | NA |
| | 09/08/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | **5** | **2** | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | **6.0** | **2.0** | < 1 | NA | NA |
| | 11/15/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | **4.29** | **1.08** | < 1.00 | NA | NA |
| | 03/29/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | **7.62** | < 5 | NA | NA | NA |
| | 10/08/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | **10.3** | **1.33** | < 1 | NA | NA |
| | 07/01/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | **6.8** | **1.5** | < 1.0 | NA | NA |
| | 02/03/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | **4.6** | < 1.0 | < 1.0 | NA | NA |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | **4.1** | < 1.0 | < 1.0 | NA | NA |
| | 03/23/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | **2.6** | < 1.0 | < 1.0 | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | **2.0** | < 1.0 | < 1.0 | NA | NA |
| | 04/01/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | **1.2** | < 1.0 | < 1.0 | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 03/25/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | **1.1** | < 1.0 | < 1.0 | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 10 | < 2.0 | < 1.0 | **1.2** | < 1.0 | < 1.0 | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 10 | < 1.0 | < 1.0 | **1.1** | < 1.0 | < 1.0 | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 10 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| MW-23D | 08/06/97 | < 1 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | < 10 |
| | 11/05/97 | < 5 | < 5 | < 5 | < 5 | < 100 | < 5 | < 5 | < 5 | < 5 | NA | < 10 | NA |
| | 01/28/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 05/27/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 08/11/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA |
| | 12/23/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 04/05/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 05/02/00 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 04/19/01 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 06/20/01 | < 1 | < 5 | < 5 | < 10 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | NA | NA |
| | 06/12/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-24D | 10/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | NA | < 5 | NA |
| | 12/23/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/30/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| (NMOCD) | 03/30/99 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 05/02/00 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 04/19/01 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 06/20/01 | < 1 | < 5 | < 5 | < 10 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | NA | NA |
| | 06/12/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-25D | 10/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | NA | < 5 | NA |
| | 12/23/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/30/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| (NMOCD) | 03/30/99 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 05/02/00 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA |
| | 04/19/01 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 06/20/01 | < 1 | < 5 | < 5 | < 10 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | NA | NA |
| | 06/12/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-26 | 10/29/98 | < 5 | < 5 | < 5 | < 5 | < 20 | < 5 | < 5 | < 5 | < 5 | NA | < 5 | NA |
| | 12/27/98 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 03/25/99 | < 1 | < 1 | < 1 | < 1 | < 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| (NMOCD) | 03/30/99 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |
| | 07/25/99 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | **1** | < 1 | < 1 | < 1 | NA |
| | 09/07/99 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | **1** | < 1 | < 1 | NA | NA |
| | 03/28/00 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1 | < 1 | **3.0** | < 1 | < 1 | NA | NA |
| | 11/15/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | **3.14** | < 1.00 | < 1.00 | NA | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | **6.75** | < 5 | NA | NA | NA |
| | 10/08/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | **9.61** | < 1 | < 1 | NA | NA |
| | 07/01/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | **1.7** | < 1.0 | **9.1** | **1.6** | < 1.0 | NA | NA |
| | 02/03/03 | **1.9** | < 1.0 | < 1.0 | < 1.0 | NA | **1.1** | < 1.0 | **11** | **1.2** | < 1.0 | NA | NA |
| | 08/03/03 | **49** | < 1.0 | < 1.0 | < 1.0 | < 10 | **3.2** | < 1.0 | **14** | **1.1** | < 1.0 | NA | NA |
| | 03/23/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **2.2** | < 1.0 | **19** | **1.1** | < 1.0 | NA | NA |
| | 09/09/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **1.8** | < 1.0 | **18** | **1.2** | < 1.0 | NA | NA |
| | 04/01/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **2.8** | < 1.0 | **27** | < 1.0 | < 1.0 | NA | NA |
| | 10/07/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **3.0** | < 1.0 | **25** | **1.0** | < 1.0 | NA | NA |
| | 03/25/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | **3.2** | < 1.0 | **27** | < 1.0 | < 1.0 | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 10 | **3.3** | < 1.0 | **32** | **1.0** | < 1.0 | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 10 | **3.9** | < 1.0 | **29** | < 1.0 | < 1.0 | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 10 | **4.3** | < 1.0 | **37** | < 1.0 | < 1.0 | NA | NA |
| MW-28 | 11/18/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 5.00 | NA |
| | 02/13/01 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 0.100 | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | < 0.05 | NA |
| | 06/20/01 | < 1 | < 5 | < 5 | < 10 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | **0.124** | NA |
| | 10/09/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | **0.15** | NA |
| | 07/03/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 10 |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-29 | 11/19/00 | **590** | < 5.00 | **57.8** | **23.2** | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | **18.7** | < 0.100 | NA |
| | 02/13/01 | **734** | < 5.00 | **77.9** | **32.0** | < 50.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | **25.0** | 6.540 | NA |
| | 03/28/01 | **1,130** | < 5 | **73.5** | **28.2** | < 10 | < 5 | < 5 | < 1 | < 5 | **24** | 6.050 | NA |
| | 06/20/01 | **556** | < 5 | **69.6** | **9.21** | < 10 | < 5 | < 5 | < 1 | < 5 | **9.69** | 1.15 | NA |
| | 10/09/01 | **413** | < 1 | **78.2** | **5.03** | < 10 | < 1 | < 1 | < 1 | < 1 | **8.03** | **5.3** | NA |
| | 07/03/02 | **200** | < 1 | **83** | < 1 | NA | < 1 | < 1 | < 1 | < 1 | **3.8** | < 10 | < 10 |
| (Dup MW-34) | 07/03/02 | **220** | < 1.0 | **85** | < 1.0 | NA | < 1 | < 1 | < 1 | < 1 | **3.6** | < 10 | < 10 |
| | 02/03/03 | **190** | < 1.0 | **38** | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/03/03 | **210** | < 1.0 | **49** | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/04 | **88** | < 5.0 | **7.5** | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **110** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | **30** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | **12** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/24/06 | **4.9** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | **14** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | **2.5** | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/25/07 | **2.7** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-30 | 11/18/00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 0.200 | NA |
| | 02/13/01 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 10.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 0.100 | NA |
| | 03/28/01 | < 1 | < 5 | < 5 | < 5 | < 10 | < 5 | < 5 | < 1 | < 5 | NA | < 0.05 | NA |
| | 06/20/01 | < 1 | < 5 | < 5 | < 10 | < 10 | < 5 | < 5 | < 1 | < 5 | < 5 | < 0.05 | NA |
| | 10/09/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | < 0.15 | NA |
| | 07/04/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 10 |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-31 | 10/04/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | <0.15 | NA |
| | 02/26/02 | < 1 | < 1 | < 1 | < 2 | < 5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 5 | < 5 |
| | 07/04/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 10 |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-*Trimethylbenzene* | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-32 | 10/04/01 | **897** | < 1 | **44.3** | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | **8.27** | **2.101** | NA |
| | 02/26/02 | **805** | < 5 | **59.6** | < 10 | < 25 | < 5 | < 5 | < 5 | < 5 | **31.5** | **28.5** | < 5 |
| | 07/04/02 | **1,000** | < 1 | **50** | < 1 | NA | < 1 | < 1 | < 1 | < 1 | **24** | < 10 | < 10 |
| (Dup MW-35) | 07/04/02 | **980** | < 1.0 | **50** | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **24** | < 10 | < 10 |
| | 02/03/03 | **600** | < 1.0 | **37** | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/02/03 | **330** | < 1.0 | **19** | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/04 | **390** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **370** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-39) | 09/10/04 | **360** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | **28** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/27/06 | **38** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | **37** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-33 | 10/04/01 | < 1 | < 1 | < 1 | < 3 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | <0.15 | NA |
| | 02/26/02 | < 1 | < 1 | < 1 | < 2 | < 5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 5 | < 5 |
| | 07/04/02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 10 |
| | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/27/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-34 | 01/21/03 | **200** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 02/04/03 | **250** | < 1.0 | < 1.0 | **1.8** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/03/03 | **60** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/22/04 | **130** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **74** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | **440** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | **98** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-41) | 03/26/06 | **150** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/26/06 | **130** | < 5.0 | < 5.0 | < 15 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-42) | 09/21/06 | **44** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | **44** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | **62** | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (p-Cresol) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-35 | 01/21/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 02/03/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/03/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/22/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/01/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/26/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-36 | 11/11/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | NA |
| | 03/22/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/26/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-37 | 11/11/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | NA |
| | 03/22/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/26/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 4. Summary of Groundwater Analyses - Organics
# Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | BTEX (ug/L) | | | | Other VOCs (ug/L) | | | | | | SVOC's (ug/L) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | Methyl ethyl ketone (2-butanone) | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | Total Naphthalene [b] | 4-Methylphenol (*p-Cresol*) |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | 25 | 10 | 5 | 60 | none | 30 | none |
| MW-38 | 11/11/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 10 | NA |
| | 03/22/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-39) | 04/02/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-40) | 10/06/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/26/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/26/07 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MPE-1 | 08/02/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MPE-2 | 08/02/03 | **270** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/22/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **250** | < 5.0 | < 5.0 | < 5.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | **580** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| (Dup MW-40) | 04/02/05 | **620** | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/24/06 | **3.9** | < 1.0 | < 1.0 | < 3.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MPE-11 | 08/02/03 | **910** | **160** | **44** | **52** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/22/04 | **280** | **30** | **31** | < 20 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **96** | **4.7** | **9.7** | **2.6** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/02/05 | **24** | **6.7** | **4.2** | **1.8** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/24/06 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| MPE-15 | 08/03/03 | **5.2** | < 1.0 | **11** | **83** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/22/04 | **12** | **9.8** | **6.9** | **29** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/10/04 | **15** | **7.9** | **7.9** | **39** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/16/05 | **2.5** | < 1.0 | **8.0** | **33** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/24/06 | < 1.0 | < 1.0 | **2.2** | **8.6** | NA | NA | NA | NA | NA | NA | NA | NA |

NOTES:

Only constituents detected in one or more ground water samples are shown in this table

All results reported above the detection limit are shown in bold type

NA - A result for this constituent is not available

[a] Analyte present in method blank

[b] Total Naphthalene = Naphthalene + 1-Methylnapthalene + 2-Methylnapthalene

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-3 | 03/23/94 | c | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.03 | 0.02 | < 0.01 | < 0.01 | NA | NA | < 0.03 | NA | < 0.0002 | < 0.05 | < 0.01 | NA | NA |
| | 08/22/95 | b | **3,650** | **405** | **1,800** | 0.8 | 587 | 3.2 | 136 | 215 | 116 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.05 | NA | 0.0002 | < 0.1 | < 0.01 | 0.03 | 0.24 |
| | 09/10/96 | b | **3,530** | **385** | **1,800** | 0.96 | 635 | 20 | 144 | 229 | 115 | < 0.05 | 0.02 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 07/30/97 | b | **3,560** | **409** | **1,680** | 1.1 | 804 | < 5 | 135 | 410 | 114 | < 0.01 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | < 0.3 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 11/03/97 | b | **3,450** | **370** | **1,840** | 1.1 | 790 [d] | 3.0 | 180 | 290 [d] | 110 | < 0.03 | 0.04 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/27/98 | c | **2,790** | **398** | **1,700** | 1.1 | 643 | 3 | 138 | 212 | 102 | < 0.1 | 0.014 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/26/98 | b | **2,700** | **430** | **2,100** | 1.2 | NA | NA | NA | NA | 108 | < 0.005 | 0.008 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/13/98 | b | **3,600** | **443** | 95 | 1.1 | 594 | 3 | 121 | 205 | 111 | 0.007 | 0.010 | < 0.005 | < 0.01 | < 0.01 | 0.07 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.04 | NA |
| | 12/24/98 | b | **3,390** | **390** | **1,900** | 1.1 | 563 | 3.4 | 121 | 220 | 111 | < 0.004 | 0.0133 | < 0.002 | < 0.005 | < 0.002 | 0.030 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | b | **3,430** | **370** | **1,800** | 1.3 | 566 | 3.5 | 127 | 211 | 113 | < 0.004 | 0.0120 | < 0.002 | < 0.005 | < 0.002 | 0.042 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/27/00 | | **3,460** | **410** | **2,000** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/27/01 | | **4,130** | **448** | **1,610** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,200** | **340** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-5 | 03/23/94 | c | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.03 | 0.01 | < 0.01 | < 0.01 | NA | NA | < 0.03 | NA | < 0.0002 | < 0.05 | < 0.01 | NA | NA |
| | 08/22/95 | b | **3,440** | **574** | **1,800** | 3.1 | 623 | 3.8 | 145 | 204 | 122 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.05 | NA | < 0.0002 | < 0.1 | < 0.01 | 0.01 | 0.38 |
| | 09/10/96 | b | **3,550** | **578** | **1,690** | 2.97 | 631 | 19 | 158 | 218 | 114 | < 0.05 | 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | 0.02 | < 0.01 | 0.02 | NA |
| | 07/25/97 | b | **3,960** | **622** | **1,720** | 3.7 | 916 | < 5 | 159 | 270 | 120 | < 0.01 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | 0.26 | < 0.003 | NA | < 0.0002 | 0.02 | < 0.01 | < 0.01 | NA |
| | 10/31/97 | b | **3,700** | **560** | **1,730** | 3.6 | 780 [d] | 2.6 | 200 | 270 [d] | 118 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/27/98 | c | **1,180** | **260** | **700** | 1.8 | 300 | < 2 | 67.9 | 99.3 | 78 | < 0.1 | 0.047 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/26/98 | b | **2,200** | **570** | **1,900** | 3.5 | NA | NA | NA | NA | 110 | < 0.005 | 0.012 | < 0.005 | < 0.01 | < 0.01 | 0.04 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/11/98 | b | **3,400** | **520** | **1,500** | 3.7 | 588 | 3 | 144 | 193 | 121 | < 0.005 | 0.010 | < 0.005 | < 0.01 | < 0.01 | 0.06 | < 0.005 | < 0.005 | < 0.0002 | 0.016 | < 0.01 | < 0.02 | NA |
| | 12/22/98 | b | **3,440** | **620** | **1,700** | 3.8 | 628 | 3 | 147 | 203 | 116 | < 0.004 | 0.0148 | < 0.002 | < 0.005 | < 0.002 | 0.026 | < 0.025 | < 0.005 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/23/99 | b | **3,490** | **590** | **1,600** | 3.9 | 607 | 3.2 | 150 | 217 | 116 | < 0.004 | 0.0142 | < 0.002 | < 0.005 | < 0.002 | 0.023 | < 0.025 | < 0.001 | < 0.0002 | 0.013 | < 0.003 | < 0.01 | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-6 | 08/22/95 | [b] | **2,800** | **344** | **1,600** | 1 | 458 | 3.9 | 148 | 124 | 110 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.05 | NA | 0.0005 | < 0.1 | < 0.01 | 0.03 | 0.69 |
| | 09/10/96 | [b] | **3,040** | **333** | **1,490** | 0.98 | 488 | 19 | 154 | 182 | 99 | < 0.05 | 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | 0.004 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 07/25/97 | [b] | **3,420** | **344** | **1,650** | 1 | 778 | 5 | 217 | 236 | 112 | < 0.01 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | 0.32 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 10/31/97 | [b] | **3,090** | **300** | **1,620** | 1.2 | 550 [d] | 3.1 | 170 | 170 [d] | 106 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/26/98 | [c] | **2,650** | **335** | **1,500** | 1.0 | 517 | 4 | 151 | 152 | 96 | < 0.1 | 0.007 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/26/98 | [b] | **2,600** | **340** | **1,900** | 1.1 | NA | NA | NA | NA | 102 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.04 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 08/11/98 | [b] | **2,900** | **305** | **1,500** | 1.0 | 425 | 3 | 124 | 126 | 98 | < 0.005 | 0.006 | < 0.005 | < 0.01 | < 0.01 | 0.18 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.02 | NA |
| | 12/22/98 | [b] | **2,890** | **300** | **1,600** | 1.0 | 488 | 3.3 | 142 | 144 | 109 | < 0.004 | 0.0099 | < 0.002 | < 0.005 | < 0.002 | 0.064 | < 0.025 | 0.0097 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/23/99 | [b] | **2,960** | **300** | **1,600** | 1.0 | 476 | 3.7 | 146 | 153 | 108 | < 0.004 | 0.0106 | < 0.002 | < 0.005 | < 0.002 | 0.073 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| MW-7 | 08/23/95 | [b] | **3,640** | **284** | **2,000** | 0.12 | 668 | 8.2 | 235 | 149 | 136 | < 0.05 | 0.02 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.05 | NA | 0.0004 | < 0.1 | < 0.01 | 0.02 | 1.39 |
| | 09/17/96 | [b] | **3,760** | **273** | **2,140** | 0.07 | 648 | 20 | 198 | 145 | 110 | < 0.05 | 0.02 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.02 | NA |
| | 07/31/97 | [b] | **3,700** | **313** | **1,930** | < 0.05 | 191 | < 20 | 84.3 | 95 | 112 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | 0.3 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/03/97 | [b] | **3,580** | **250** | **1,810** | < 0.05 | 790 [d] | 6.4 | 260 | 180 [d] | 112 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | **1.2** | < 0.03 | **1.2** | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/29/98 | [c] | **2,730** | **288** | **1,800** | < 0.1 | 630 | 7 | 206 | 140 | 86 | < 0.1 | 0.014 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.120 | < 0.0002 | < 0.1 | < 0.01 | 0.03 | NA |
| | 05/28/98 | [b] | **3,000** | **290** | **2,400** | < 0.1 | NA | NA | NA | NA | 114 | < 0.005 | 0.011 | < 0.005 | < 0.01 | < 0.01 | 0.44 | < 0.05 | **0.490** | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/14/98 | [b] | **3,800** | **301** | **2,300** | < 0.1 | 572 | 8 | 180 | 130 | 108 | < 0.005 | 0.012 | < 0.005 | < 0.01 | < 0.01 | 0.30 | < 0.005 | **0.428** | < 0.0002 | < 0.005 | < 0.01 | 0.09 | NA |
| | 12/27/98 | [b] | **3,440** | **260** | **2,000** | 0.01 | 556 | 6.65 | 0.176 | 141 | 120 | < 0.004 | 0.0171 | < 0.002 | < 0.005 | < 0.002 | 0.126 | < 0.025 | **0.362** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | [b] | **3,470** | **250** | **2,000** | 0.02 | 232 | 5.28 | 158 | 110 | 116 | < 0.004 | 0.0130 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | 0.0285 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/28/00 | [b] | **3,550** | **300** | **2,200** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.225 | NA | 0.0274 | NA | NA | NA | NA | NA |
| | 03/28/01 | [b] | **4,180** | **304** | **1,700** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.115 | NA | 0.0209 | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,600** | **250** | **1,500** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.18 | NA | 0.040 | NA | NA | NA | NA | NA |

## Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-8 | 08/22/95 | [b] | **3,640** | **362** | **2,000** | 0.1 | 587 | 3.7 | 193 | 117 | 134 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.05 | NA | 0.0003 | < 0.1 | < 0.01 | 0.01 | 0.33 |
| | 09/19/96 | [b] | **3,780** | **331** | **2,120** | 0.06 | 630 | 21 | 222 | 206 | 141 | < 0.05 | 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 08/01/97 | [b] | **3,890** | **339** | **1,980** | 0.16 | 86.5 | < 20 | 51.5 | 80 | 140 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | <0.2 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/02/97 | [b] | **3,740** | **320** | **1,810** | 0.10 | 610 [d] | 3.4 | 210 | 180 [d] | 136 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/29/98 | [c] | **2,960** | **347** | **1,900** | 0.1 | 634 | 3 | 219 | 168 | 96 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | [b] | **2,800** | **370** | **2,500** | 0.2 | NA | NA | NA | NA | 131 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.03 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/14/98 | [b] | **3,800** | **355** | **2,100** | < 0.1 | 604 | 4 | 188 | 135 | 204 | < 0.005 | 0.006 | < 0.005 | < 0.01 | < 0.01 | 0.11 | < 0.005 | 0.009 | < 0.0002 | < 0.005 | < 0.01 | 0.39 | NA |
| | 12/27/98 | [b] | **3,650** | **350** | **2,100** | 0.21 | 554 | 3.7 | 191 | 184 | 137 | < 0.004 | 0.0108 | < 0.002 | < 0.005 | < 0.002 | 0.065 | < 0.025 | 0.0028 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | [b] | **3,670** | **350** | **2,000** | 0.21 | 541 | 3.6 | 200 | 169 | 136 | < 0.004 | 0.0103 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| MW-9 | 08/23/95 | [b] | **4,060** | **391** | **2,200** | 0.38 | 896 | 17 | 232 | 230 | 124 | < 0.05 | 0.04 | < 0.005 | < 0.01 | 0.01 | NA | < 0.05 | NA | 0.0005 | < 0.1 | < 0.01 | 0.03 | 3.13 |
| | 09/19/96 | [b] | **3,810** | **439** | **1,990** | 0.56 | 673 | 24 | 210 | 287 | 114 | < 0.05 | 0.05 | < 0.005 | 0.01 | < 0.01 | NA | 0.004 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.02 | NA |
| | 07/31/97 | [b] | **4,270** | **487** | **2,040** | 0.55 | 557 | < 20 | 174 | 362 | 126 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | 0.4 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/02/97 | [b] | **4,000** | **440** | **1,930** | 0.36 | 610 [d] | 5.5 | 190 | 270 [d] | 124 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | **1.4** | < 0.03 | 0.11 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/29/98 | [c] | **3,730** | **459** | **1,800** | 0.6 | 639 | 5 | 193 | 248 | 80 | < 0.1 | 0.008 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.030 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/28/98 | [b] | **3,200** | **470** | **2,500** | 0.9 | NA | NA | NA | NA | 112 | < 0.005 | 0.013 | < 0.005 | < 0.01 | < 0.01 | 0.86 | < 0.05 | 0.070 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/14/98 | [b] | **4,200** | **479** | **2,000** | 1.1 | 554 | 6 | 174 | 240 | 105 | 0.007 | 0.015 | < 0.005 | < 0.01 | < 0.01 | 0.91 | < 0.005 | 0.046 | < 0.0002 | < 0.005 | < 0.01 | 0.03 | NA |
| | 08/14/98 | [c] | NA | NA | NA | NA | 619 | 5 | 206 | 261 | NA | < 0.005 | 0.007 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.031 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 12/27/98 | [c] | **3,800** | **470** | **2,100** | 0.93 | 532 | 4.51 | 163 | 226 | 121 | < 0.004 | 0.0158 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | 0.0088 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | [b] | **3,910** | **450** | **2,100** | 0.79 | 532 | 5.13 | 181 | 245 | 119 | < 0.004 | 0.0164 | < 0.002 | < 0.005 | < 0.002 | 0.502 | < 0.025 | 0.0326 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-10 | 09/19/96 | b | **3,390** | **367** | **3,360** | 0.75 | 634 | 6 | 153 | 179 | 133 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.02 | NA |
| | 07/31/97 | b | **3,550** | **364** | **1,590** | 0.71 | 211 | < 20 | 62.3 | 146 | 138 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | < 0.02 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/01/97 | b | **3,520** | **340** | **1,890** | 0.74 | 600 [d] | 3.5 | 146 | 225 [d] | 128 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/27/98 | c | **2,910** | **350** | **1,700** | 0.7 | 607 | 4 | 138 | 197 | 120 | < 0.1 | 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/26/98 | b | **3,000** | **370** | **2,200** | 0.8 | NA | NA | NA | NA | 122 | < 0.005 | 0.006 | < 0.005 | < 0.01 | < 0.01 | 0.03 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.20 | NA |
| | 08/13/98 | b | **3,300** | **372** | **1,900** | 0.7 | 563 | 5 | 130 | 201 | 121 | 0.007 | 0.007 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.04 | NA |
| | 12/22/98 | b | **3,390** | **350** | **1,900** | 0.68 | 584 | 3.3 | 133 | 203 | 127 | < 0.004 | 0.0107 | < 0.002 | < 0.005 | < 0.002 | 0.034 | < 0.025 | < 0.005 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/23/99 | b | **3,390** | **340** | **1,800** | 0.68 | 569 | 3.8 | 134 | 211 | 127 | < 0.004 | 0.0104 | < 0.002 | < 0.005 | < 0.002 | 0.011 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/27/00 | | **3,440** | **390** | **2,000** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/29/01 | | **4,000** | **379** | **1,560** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,400** | **310** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-11 | 09/19/96 | b | **3,480** | **400** | **2,480** | 0.71 | 642 | < 5 | 144 | 202 | 116 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | 0.004 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.04 | NA |
| | 07/30/97 | b | **3,550** | **405** | **1,680** | 0.7 | 748 | 8 | 132 | 545 | 106 | < 0.01 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | 0.07 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 11/01/97 | b | **3,530** | **370** | **1,900** | 0.67 | 630 [d] | 2.6 | 140 | 360 [d] | 96 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/27/98 | c | **2,940** | **374** | **1,600** | 0.7 | 612 | 3 | 133 | 231 | 100 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/26/98 | b | **3,000** | **400** | **2,100** | 0.7 | NA | NA | NA | NA | 103 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.17 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.21 | NA |
| | 08/13/98 | b | **3,300** | **390** | **1,900** | 0.6 | 585 | 4 | 121 | 229 | 102 | 0.006 | 0.007 | < 0.005 | < 0.01 | < 0.01 | 0.14 | < 0.005 | 0.012 | < 0.0002 | < 0.005 | < 0.01 | 0.06 | NA |
| | 12/22/98 | b | **3,780** | **300** | **1,500** | 1.1 | 468 | 3 | 98.3 | 183 | 110 | < 0.004 | 0.0138 | < 0.002 | < 0.005 | < 0.002 | 0.047 | < 0.025 | < 0.005 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | b | **2,480** | **250** | **1,200** | 1.1 | 403 | 3.4 | 88.1 | 172 | 106 | < 0.004 | 0.0160 | < 0.002 | < 0.005 | < 0.002 | 0.137 | < 0.025 | 0.0021 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/27/00 | | **3,100** | **380** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/27/01 | | **3,730** | **406** | **1,480** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,300** | **330** | **1,700** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

## Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-12 | 09/17/96 | [b] | **3,670** | **431** | **1,810** | 0.36 | 688 | 16 | 127 | 247 | 110 | < 0.05 | 0.02 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 08/06/97 | [b] | **3,670** | **435** | **1,640** | 0.41 | 605 | < 5 | 123 | 236 | 106 | < 0.01 | 0.01 | < 0.005 | < 0.01 | < 0.01 | 0.52 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 11/04/97 | [b] | **3,340** | **390** | **1,630** | 0.40 | 880 [d] | 2.6 | 180 | 330 [d] | 102 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | **0.31** | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| (Dup MW-24) | 11/04/97 | [b] | **3,400** | **400** | **1,760** | 0.40 | 710 [d] | 2.4 | 150 | 320 [d] | 102 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | **0.43** | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/30/98 | [c] | **2,680** | **421** | **1,600** | 0.3 | 625 | 2 | 120 | 209 | 74 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.05 | < 0.05 | **0.444** | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/28/98 | [b] | **3,100** | **440** | **2,100** | 0.3 | NA | NA | NA | NA | 99 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.12 | < 0.05 | **0.688** | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/15/98 | [b] | **3,200** | **408** | **2,000** | 0.4 | 616 | 3 | 118 | 194 | 111 | 0.005 | 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.13 | < 0.005 | **0.678** | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| (Dup MW-28) | 08/15/98 | [b] | **3,300** | **417** | **1,700** | 0.4 | 616 | < 2 | 115 | 193 | 108 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.09 | < 0.005 | **0.470** | < 0.0002 | 0.005 | < 0.01 | 0.02 | NA |
| | 12/28/98 | [b] | **3,210** | **420** | **1,700** | 0.28 | 551 | 3.0 | 108 | 231 | 107 | < 0.004 | 0.0083 | < 0.002 | < 0.005 | < 0.002 | 0.114 | < 0.025 | **0.667** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| (Dup MW-28) | 03/26/99 | [b] | **3,360** | **400** | **1,700** | 0.41 | 533 | 3.4 | 112 | 209 | 104 | < 0.004 | 0.0086 | < 0.002 | < 0.005 | < 0.002 | 0.110 | < 0.025 | **0.790** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/26/99 | [b] | **3,330** | **410** | **1,700** | 0.37 | 533 | 3.2 | 113 | 210 | 104 | < 0.004 | 0.0084 | < 0.002 | < 0.005 | < 0.002 | 0.103 | < 0.025 | **0.759** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/29/00 | [b] | **3,460** | **460** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.158 | NA | **1.18** | NA | NA | NA | NA | NA |
| | 03/29/01 | [b] | **3,850** | **485** | **1,580** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.158 | NA | **1.38** | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,300** | **370** | **1,300** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.25 | NA | **1.8** | NA | NA | NA | NA | NA |
| MW-13 | 09/19/96 | [b] | **2,810** | **438** | **2,910** | 0.13 | 496 | 5 | 123 | 136 | 136 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 08/09/97 | [b] | **3,640** | **518** | **1,460** | 0.06 | 484 | 18 | 144 | 212 | 142 | 0.02 | 0.02 | < 0.005 | < 0.01 | < 0.01 | 0.81 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.02 | NA |
| | 11/04/97 | [b] | **3,760** | **460** | **1,720** | < 0.05 | 680 [d] | 3.0 | 150 | 200 [d] | 152 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.67 | < 0.03 | **2.4** | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/30/98 | [c] | **2,970** | **490** | **1,500** | < 0.1 | 707 | 3 | 143 | 174 | 113 | < 0.1 | 0.009 | < 0.005 | < 0.01 | < 0.01 | 0.86 | < 0.05 | **1.50** | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/28/98 | [b] | **2,900** | **530** | **2,100** | < 0.1 | NA | NA | NA | NA | 149 | < 0.005 | 0.008 | < 0.005 | < 0.01 | < 0.01 | **1.41** | < 0.05 | **1.37** | **0.0033** | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/15/98 | [b] | **3,700** | **461** | **1,700** | < 0.1 | 664 | 5 | 134 | 155 | 163 | 0.007 | 0.009 | < 0.005 | < 0.01 | < 0.01 | **1.36** | < 0.005 | **1.07** | < 0.0002 | < 0.005 | < 0.01 | 0.06 | NA |
| | 12/27/98 | [b] | **3,160** | **470** | **1,600** | 0.03 | 577 | 3.2 | 121 | 185 | 192 | < 0.004 | 0.0150 | < 0.002 | < 0.005 | < 0.002 | **1.56** | < 0.025 | **1.95** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/26/99 | [b] | **3,110** | **430** | **1,500** | < 0.01 | 550 | 3.4 | 128 | 170 | 193 | < 0.004 | 0.0140 | < 0.002 | < 0.005 | < 0.002 | **1.46** | < 0.025 | **1.84** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/29/00 | [b] | **3,510** | **550** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.908 | NA | **1.75** | NA | NA | NA | NA | NA |
| | 03/29/01 | [b] | **4,090** | **593** | **1,330** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.395 | NA | **2.14** | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,400** | **390** | **1,300** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 | NA | **1.6** | NA | NA | NA | NA | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-14 | 09/24/96 | b | **3,580** | **364** | **2,000** | 0.31 | 668 | 6 | 154 | 149 | 98 | < 0.05 | 0.03 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 08/01/97 | b | **3,710** | **360** | **1,630** | 0.32 | 672 | < 20 | 155 | 180 | 110 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | < 0.02 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/02/97 | b | **3,500** | **360** | **1,600** | 0.13 | 780 [d] | 4.1 | 190 | 220 [d] | 112 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | 0.06 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/29/98 | c | **2,890** | **368** | **1,700** | 0.2 | 664 | 5 | 157 | 169 | 82 | < 0.1 | 0.012 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.013 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | b | **2,700** | **380** | **2,200** | 0.3 | NA | NA | NA | NA | 112 | < 0.005 | 0.009 | < 0.005 | < 0.01 | < 0.01 | 0.05 | < 0.05 | 0.007 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/11/98 | b | **3,300** | **360** | **1,800** | 0.2 | 608 | 5 | 144 | 161 | 122 | < 0.005 | 0.009 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.03 | NA |
| | 12/23/98 | b | **3,380** | **360** | **1,900** | 0.26 | 609 | 4.00 | 144 | 165 | 114 | < 0.004 | 0.0125 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | < 0.005 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | b | **3,480** | **350** | **1,900** | 0.25 | 567 | 4.04 | 143 | 167 | 114 | < 0.004 | 0.0126 | < 0.002 | < 0.005 | < 0.002 | 0.011 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/28/00 | | **3,450** | **380** | **2,000** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/28/01 | | **4,050** | **391** | **1,610** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,300** | **320** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-15 | 09/25/96 | b | **3,860** | **438** | **3,940** | 0.58 | 1,130 | 7 | 180 | 210 | 138 | < 0.05 | 0.03 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.08 | NA |
| | 08/08/97 | b | **3,820** | **467** | **1,920** | 0.35 | 625 | < 5 | 171 | 269 | 118 | 0.02 | 0.02 | < 0.005 | < 0.01 | < 0.01 | 0.32 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 11/02/97 | b | **3,820** | **450** | **1,900** | 0.43 | 750 [d] | 3.8 | 210 | 330 [d] | 114 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/28/98 | c | **2,970** | **453** | **1,800** | 0.4 | 638 | 4 | 174 | 259 | 82 | < 0.1 | 0.010 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.015 | < 0.0002 | < 0.1 | < 0.01 | 0.04 | NA |
| | 05/27/98 | b | **2,900** | **500** | **2,300** | 0.5 | NA | NA | NA | NA | 110 | < 0.005 | 0.009 | < 0.005 | < 0.01 | < 0.01 | 0.04 | < 0.05 | 0.006 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/13/98 | b | **3,900** | **479** | **2,200** | 0.6 | 586 | 4 | 162 | 262 | 106 | 0.006 | 0.012 | < 0.005 | < 0.01 | < 0.01 | 0.03 | < 0.005 | 0.012 | < 0.0002 | < 0.005 | < 0.01 | 0.20 | NA |
| | 12/24/98 | b | **3,630** | **440** | **2,000** | 0.48 | 592 | 4.00 | 150 | 281 | 111 | < 0.004 | 0.0133 | < 0.002 | < 0.005 | < 0.002 | 0.013 | < 0.025 | 0.0191 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | b | **3,720** | **440** | **1,900** | 0.50 | 578 | 4.57 | 162 | 262 | 111 | < 0.004 | 0.0117 | < 0.002 | < 0.005 | < 0.002 | 0.019 | < 0.025 | 0.0130 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/28/00 | | **3,720** | **480** | **2,100** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/28/01 | | **4,290** | **509** | **1,690** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,700** | **400** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-17 | 09/24/96 | [b] | **3,660** | **437** | **2,000** | 0.71 | 626 | < 5 | 170 | 218 | 138 | < 0.05 | < 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.01 | NA |
| | 07/31/97 | [b] | **1,570** | **445** | **1,820** | 0.71 | 221 | < 20 | 71.1 | 175 | 96 | < 0.05 | < 0.05 | < 0.02 | < 0.05 | < 0.05 | <0.2 | < 0.02 | NA | < 0.0002 | < 0.05 | < 0.05 | < 0.05 | NA |
| | 11/02/97 | [b] | **3,770** | **430** | **2,000** | 0.74 | 770 [d] | 2.5 | 210 | 330 [d] | 90 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | 0.03 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/28/98 | [c] | **2,880** | **444** | **1,700** | 0.6 | 629 | 3 | 168 | 249 | 64 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.018 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | [b] | **3,000** | **470** | **1,500** | 0.6 | NA | NA | NA | NA | 89 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.011 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/13/98 | [b] | **3,900** | **443** | **2,100** | 0.6 | 578 | 2 | 161 | 257 | 124 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.005 | 0.044 | < 0.0002 | < 0.005 | < 0.01 | 0.09 | NA |
| | 12/24/98 | [b] | **3,600** | **440** | **2,000** | 0.64 | 558 | 2.6 | 148 | 254 | 93 | < 0.004 | 0.0079 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | 0.0042 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | [b] | **3,590** | **440** | **1,900** | 0.66 | 535 | 3.0 | 152 | 240 | 91 | < 0.004 | 0.0077 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | 0.0259 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/28/00 | | **3,690** | **470** | **2,100** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/27/01 | | **4,340** | **507** | **1,760** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/03/02 | | **3,600** | **390** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-18 | 08/09/97 | [b] | **4,240** | NA | NA | NA | 471 | 57 | 164 | 291 | NA | 0.02 | 0.02 | < 0.005 | 0.02 | < 0.01 | **1.09** | < 0.003 | NA | < 0.002 | < 0.01 | < 0.01 | 0.03 | NA |
| | 11/01/97 | [b] | **3,850** | **390** | **2,020** | 0.69 | 760 [d] | 6.4 | 210 | 330 [d] | 78 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/28/98 | [c] | **3,100** | **424** | **1,900** | 0.8 | 641 | 7 | 225 | 166 | 55 | < 0.1 | 0.017 | < 0.006 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | [b] | **2,800** | **430** | **1,800** | 0.8 | NA | NA | NA | NA | 69 | < 0.005 | 0.015 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/13/98 | [b] | **3,900** | **479** | **2,000** | 0.7 | 586 | 7 | 209 | 169 | 82 | 0.008 | 0.015 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.005 | 0.007 | < 0.0002 | < 0.005 | < 0.01 | 0.08 | NA |
| | 12/24/98 | [b] | **3,610** | **400** | **2,100** | 0.72 | 559 | 5.51 | 192 | 174 | 80 | < 0.004 | 0.0184 | < 0.002 | 0.0052 | < 0.002 | 0.030 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | [b] | **3,700** | **400** | **2,000** | 0.66 | 544 | 5.77 | 203 | 163 | 84 | < 0.004 | 0.0177 | < 0.002 | 0.0094 | < 0.002 | < 0.01 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-19 | 09/27/96 | [b] | **3,850** | **459** | **2,100** | 0.82 | 981 | 5 | 226 | 240 | 196 | < 0.05 | 0.01 | < 0.005 | < 0.01 | < 0.01 | NA | 0.004 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.04 | NA |
| | 08/08/97 | [b] | **3,990** | **536** | **2,030** | 0.88 | 622 | 11 | 170 | 252 | 122 | 0.01 | 0.01 | < 0.005 | < 0.01 | < 0.01 | 0.08 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | < 0.01 | NA |
| | 11/01/97 | [b] | **3,920** | **430** | **1,880** | 0.82 | 710 [(d)] | 3.4 | 210 | 320 [(d)] | 100 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | 0.02 | NA |
| | 01/27/98 | [c] | **3,330** | **469** | **1,900** | 0.9 | 620 | 5 | 196 | 285 | 97 | < 0.1 | 0.009 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | [b] | **3,400** | **480** | **1,600** | 1.0 | NA | NA | NA | NA | 96 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.14 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/13/98 | [b] | **4,000** | **443** | **2,000** | 0.8 | 589 | 4 | 161 | 252 | 113 | 0.007 | 0.009 | < 0.005 | < 0.01 | 0.01 | 0.05 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | 0.08 | NA |
| | 12/23/98 | [b] | **3,740** | **460** | **2,100** | 0.84 | 582 | 3.3 | 169 | 261 | 104 | < 0.004 | 0.0122 | < 0.002 | < 0.005 | < 0.002 | 0.030 | < 0.025 | < 0.005 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/24/99 | [b] | **3,810** | **450** | **2,000** | 0.84 | 540 | 3.7 | 169 | 268 | 105 | < 0.004 | 0.0122 | < 0.002 | < 0.005 | < 0.002 | 0.036 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| MW-20 | 08/07/97 | [b] | **3,710** | **385** | **1,820** | 1.65 | 617 | < 5 | 135 | 239 | 200 | < 0.01 | 0.04 | < 0.005 | < 0.01 | 0.02 | **1.85** | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.05 | NA |
| | 11/03/97 | [b] | **3,710** | **290** | **1,950** | 0.23 | 670 [(d)] | 2.6 | 140 | 270 [(d)] | 208 | < 0.03 | < 0.01 | < 0.01 | < 0.01 | 0.02 | 0.39 | < 0.03 | < 0.01 | < 0.0002 | < 0.04 | < 0.01 | 0.22 | NA |
| | 01/30/98 | [c] | **3,090** | **306** | **1,700** | 2.8 | 680 | 3 | 137 | 238 | 155 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/29/98 | [b] | **3,000** | **310** | **2,400** | 3.0 | NA | NA | NA | NA | 208 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.03 | < 0.05 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| (Dup MW-24) | 05/29/98 | [b] | **3,200** | **320** | **2,400** | 3.0 | NA | NA | NA | NA | 198 | < 0.005 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.09 | < 0.05 | < 0.005 | 0.0005 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/15/98 | [b] | **3,700** | **301** | **2,200** | 2.2 | 673 | 4 | 130 | 214 | 242 | 0.007 | 0.006 | < 0.005 | < 0.01 | < 0.01 | 0.26 | < 0.005 | < 0.005 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 12/28/98 | [b] | **3,620** | **310** | **2,100** | 2.5 | 597 | 3.4 | 123 | 257 | 209 | < 0.004 | 0.0107 | < 0.002 | < 0.005 | < 0.002 | 0.238 | < 0.025 | 0.0012 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| (Dup MW-28) | 12/28/98 | [b] | **3,660** | **310** | **2,000** | 2.5 | 598 | 3.3 | 119 | 258 | 210 | < 0.004 | 0.0107 | < 0.002 | < 0.005 | < 0.002 | 0.265 | < 0.025 | 0.0043 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/26/99 | [b] | **3,670** | **290** | **2,000** | 2.5 | 582 | 3.7 | 125 | 236 | 213 | < 0.004 | 0.0090 | < 0.002 | < 0.005 | < 0.002 | 0.044 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/29/00 | [b] | **3,780** | **310** | **2,200** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.01 | NA | < 0.001 | NA | NA | NA | NA | NA |
| (Dup MW-31) | 03/29/00 | [b] | **3,790** | **300** | **2,200** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.01 | NA | < 0.001 | NA | NA | NA | NA | NA |
| | 03/29/01 | [b] | **4,250** | **300** | **1,880** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.05 | NA | < 0.01 | NA | NA | NA | NA | NA |
| (Dup MW-31) | 03/28/01 | [b] | **4,060** | **305** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.05 | NA | < 0.01 | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,600** | **220** | **1,600** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.043 | NA | < 0.0020 | NA | NA | NA | NA | NA |

## Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-21 | 08/07/97 | [b] | **3,960** | **436** | **1,790** | 0.71 | 621 | < 5 | 137 | 192 | 120 | < 0.01 | 0.06 | < 0.005 | < 0.01 | < 0.01 | 0.54 | < 0.003 | NA | < 0.0002 | < 0.1 | < 0.01 | 0.03 | NA |
| | 11/04/97 | [b] | **3,700** | **410** | **1,760** | 0.36 | 810 [d] | 4.0 | 190 | 260 [d] | 118 | < 0.03 | 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.03 | 0.40 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/30/98 | [c] | **3,020** | **440** | **1,700** | < 0.1 | 654 | 4 | 153 | 199 | 88 | < 0.1 | 0.029 | < 0.005 | < 0.01 | < 0.01 | 0.21 | < 0.05 | **0.835** | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| (Dup MW-24) | 01/30/98 | [c] | **2,600** | **437** | **1,700** | < 0.1 | 647 | 4 | 151 | 201 | 87 | < 0.1 | 0.025 | < 0.005 | < 0.01 | < 0.01 | 0.24 | < 0.05 | **0.798** | < 0.0002 | < 0.1 | < 0.01 | 0.03 | NA |
| | 05/28/98 | [b] | **3,000** | **450** | **2,100** | < 0.1 | NA | NA | NA | NA | 124 | < 0.005 | 0.026 | < 0.005 | < 0.01 | < 0.01 | 0.63 | < 0.05 | **1.51** | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/15/98 | [b] | **3,400** | **408** | **1,900** | < 0.1 | 647 | 3 | 144 | 196 | 146 | 0.006 | 0.020 | < 0.005 | < 0.01 | < 0.01 | 0.66 | < 0.005 | **1.34** | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 12/28/98 | [b] | **3,390** | **430** | **1,800** | 0.03 | 566 | 3.3 | 134 | 209 | 138 | < 0.004 | 0.0245 | < 0.002 | < 0.005 | 0.0024 | 0.704 | < 0.025 | **1.47** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/26/99 | [b] | **3,360** | **410** | **1,800** | < 0.01 | 548 | 3.4 | 138 | 192 | 139 | < 0.004 | 0.0225 | < 0.002 | < 0.005 | < 0.002 | 0.933 | < 0.025 | **1.32** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/29/00 | [b] | **3,440** | **470** | **1,900** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.98** | NA | **1.52** | NA | NA | NA | NA | NA |
| | 03/29/01 | [b] | **4,090** | **475** | **1,570** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **2.17** | NA | **1.62** | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,400** | **390** | **1,400** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.5** | NA | **1.8** | NA | NA | NA | NA | NA |
| MW-22 | 08/07/97 | [b] | **3,630** | **377** | **1,780** | 0.76 | 727 | 6 | 143 | 233 | 302 | < 0.01 | 0.21 | < 0.005 | < 0.01 | 0.05 | **16.5** | 0.008 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.08 | NA |
| | 11/03/97 | [b] | **3,570** | **380** | **1,840** | 0.85 | 780 [d] | 3.6 | 160 | 290 [d] | 132 | < 0.03 | 0.04 | < 0.01 | < 0.01 | < 0.01 | **3.3** | < 0.03 | 0.07 | < 0.0002 | < 0.04 | < 0.01 | < 0.03 | NA |
| | 01/29/98 | [c] | **2,690** | **394** | **1,700** | 0.9 | 660 | 4 | 130 | 218 | 85 | < 0.1 | 0.007 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/28/98 | [b] | **2,700** | **410** | **2,200** | 0.9 | NA | NA | NA | NA | 107 | < 0.005 | 0.009 | < 0.005 | < 0.01 | < 0.01 | 0.96 | < 0.05 | 0.015 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 08/14/98 | [b] | NA | NA | NA | NA | 573 | 3 | 109 | 206 | NA | 0.006 | 0.036 | < 0.005 | < 0.01 | < 0.01 | 0.41 | < 0.005 | 0.025 | 0.0008 | < 0.005 | < 0.01 | 0.09 | NA |
| | 08/14/98 | [c] | **3,600** | **355** | **1,800** | 0.6 | 642 | 2 | 129 | 236 | 125 | < 0.1 | < 0.005 | < 0.005 | < 0.01 | < 0.01 | 0.08 | < 0.05 | < 0.005 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 12/27/98 | [b] | **3,390** | **390** | **1,900** | 0.85 | 577 | 2.9 | 111 | 234 | 114 | < 0.004 | 0.0118 | < 0.002 | < 0.005 | < 0.002 | 0.305 | < 0.025 | 0.0068 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | [b] | **3,380** | **380** | **1,800** | 0.82 | 556 | 3.2 | 120 | 220 | 113 | < 0.004 | 0.0087 | < 0.002 | < 0.005 | < 0.002 | 0.043 | < 0.025 | < 0.001 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/28/00 | [b] | **3,500** | **420** | **2,000** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.028 | NA | < 0.001 | NA | NA | NA | NA | NA |
| | 03/29/01 | [b] | **3,880** | **433** | **1,670** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.146 | NA | < 0.01 | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,500** | **330** | **1,300** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.3** | NA | 0.023 | NA | NA | NA | NA | NA |

# Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-23D | 08/06/97 | [b] | **3,800** | **344** | **1,980** | < 0.05 | 624 | 8 | 178 | 231 | 124 | < 0.01 | 0.02 | < 0.005 | 0.02 | < 0.01 | 0.11 | < 0.003 | NA | < 0.0002 | < 0.01 | < 0.01 | 0.02 | NA |
| | 11/05/97 | [b] | **3,880** | **330** | **1,900** | < 0.05 | 600 [d] | 3.5 | 215 | 300 [d] | 128 | < 0.03 | 0.02 | < 0.01 | < 0.01 | < 0.01 | 0.38 | < 0.03 | 0.11 | < 0.0002 | < 0.04 | < 0.01 | 0.07 | NA |
| | 01/28/98 | [c] | **3,180** | **354** | **1,800** | < 0.1 | 612 | 7 | 183 | 246 | 88 | < 0.1 | 0.020 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.141 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 05/27/98 | [c] | **3,000** | **350** | **1,800** | < 0.1 | NA | NA | NA | NA | 90 | 0.005 | 0.013 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | 0.094 | < 0.0002 | < 0.1 | < 0.01 | < 0.02 | NA |
| | 08/11/98 | [b] | **3,800** | **337** | **2,200** | < 0.1 | 584 | 6 | 165 | 240 | 128 | 0.009 | 0.011 | < 0.005 | < 0.01 | 0.02 | 0.23 | < 0.005 | 0.068 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 12/23/98 | [b] | **3,650** | **330** | **2,100** | 0.03 | 581 | 3.6 | 177 | 240 | 127 | < 0.004 | 0.0144 | < 0.002 | < 0.005 | < 0.002 | 0.216 | < 0.025 | 0.0783 | < 0.0002 | < 0.010 | < 0.003 | 0.030 | NA |
| | 04/05/99 | [b] | **3,700** | **300** | **2,000** | 0.04 | 551 | 3.8 | 162 | 208 | 128 | 0.0049 | 0.0162 | < 0.002 | < 0.005 | < 0.002 | 0.29 | < 0.025 | 0.0641 | < 0.0002 | < 0.020 | < 0.003 | < 0.01 | NA |
| MW-24D | 10/29/98 | [c] | **3,300** | **350** | **1,880** | < 0.1 | NA | NA | NA | NA | 157 | 0.009 | 0.015 | < 0.005 | < 0.01 | NA | NA | < 0.005 | NA | < 0.0002 | < 0.005 | < 0.01 | NA | NA |
| | 10/29/98 | [b] | NA | NA | NA | NA | 622 | 5 | 99.5 | 208 | NA | < 0.005 | 0.026 | < 0.005 | < 0.01 | 0.01 | **1.43** | < 0.005 | **0.220** | < 0.0002 | < 0.005 | < 0.01 | 0.05 | NA |
| | 12/23/98 | [c] | **3,220** | **330** | **1,800** | 0.02 | 508 | 2.5 | 82.1 | 179 | 279 | < 0.004 | 0.0172 | < 0.002 | < 0.005 | 0.0065 | < 0.01 | < 0.025 | 0.176 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/30/99 | [b] | **3,360** | **330** | **1,800** | < 0.01 | 630 | 3.3 | 110 | 213 | 155 | < 0.002 | 0.0183 | < 0.002 | < 0.005 | < 0.002 | 0.698 | < 0.025 | **0.261** | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| MW-25D | 10/29/98 | [c] | **3,000** | **340** | **2,470** | < 0.1 | NA | NA | NA | NA | 121 | 0.006 | 0.007 | < 0.005 | < 0.01 | NA | NA | < 0.005 | NA | < 0.0002 | < 0.005 | < 0.01 | NA | NA |
| | 10/29/98 | [b] | NA | NA | NA | NA | 596 | 4 | 162 | 161 | NA | < 0.005 | 0.011 | < 0.005 | < 0.01 | < 0.01 | 0.58 | < 0.005 | 0.109 | < 0.0002 | < 0.005 | < 0.01 | 0.03 | NA |
| | 12/23/98 | [b] | **3,450** | **320** | **2,000** | 0.01 | 584 | 4.00 | 168 | 160 | 122 | < 0.004 | 0.0133 | < 0.002 | < 0.005 | < 0.002 | 0.327 | < 0.025 | 0.108 | < 0.0002 | < 0.010 | < 0.003 | 0.011 | NA |
| | 03/30/99 | [b] | **3,510** | **310** | **2,000** | < 0.01 | 589 | 4.38 | 167 | 158 | 121 | < 0.002 | 0.0131 | < 0.002 | < 0.005 | < 0.002 | 0.510 | < 0.025 | 0.104 | < 0.0002 | < 0.010 | < 0.003 | < 0.010 | NA |
| MW-26 | 10/29/98 | [c] | **3,500** | **320** | **2,080** | 5.1 | NA | NA | NA | NA | 134 | < 0.005 | 0.009 | < 0.005 | < 0.01 | NA | NA | < 0.005 | NA | < 0.0002 | 0.007 | < 0.01 | NA | NA |
| | 10/29/98 | [b] | NA | NA | NA | NA | 650 | 5 | 132 | 215 | NA | < 0.005 | 0.016 | < 0.005 | < 0.01 | < 0.01 | 0.82 | < 0.005 | 0.082 | < 0.0002 | < 0.005 | < 0.01 | < 0.02 | NA |
| | 12/27/98 | [b] | **3,780** | **300** | **2,200** | 4.4 | 607 | 4.06 | 128 | 237 | 159 | < 0.004 | 0.0213 | < 0.002 | < 0.005 | < 0.002 | **1.13** | < 0.025 | 0.0347 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 03/25/99 | [b] | **3,770** | **290** | **2,100** | 4.6 | 578 | 4.22 | 135 | 213 | 130 | < 0.004 | 0.0137 | < 0.002 | < 0.005 | < 0.002 | 0.394 | < 0.025 | 0.0165 | < 0.0002 | < 0.010 | < 0.003 | < 0.01 | NA |
| | 07/25/99 | [b] | **3,800** | **280** | **2,100** | 4.7 | 642 | 4.73 | 134 | 221 | 150 | < 0.010 | 0.0322 | < 0.002 | < 0.005 | < 0.002 | **2.55** | < 0.025 | 0.0464 | < 0.0002 | < 0.010 | < 0.003 | 0.013 | NA |
| | 03/28/00 | [b] | **3,810** | **330** | **2,300** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.558 | NA | 0.0104 | NA | NA | NA | NA | NA |
| | 03/28/01 | [b] | **4,180** | **344** | **1,840** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.342 | NA | < 0.01 | NA | NA | NA | NA | NA |
| | 07/01/02 | [b] | **3,800** | **270** | **1,600** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.2 | NA | 0.020 | NA | NA | NA | NA | NA |

## Table 5. Summary of Groundwater Analyses - Inorganics
## Compressor Station No. 9 - Roswell, NM

| Well | Sampling Date | | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TDS | Chloride | Sulfate | $NO_2/NO_3$ - N, total | Calcium | Potassium | Magnesium | Sodium | Total alkalinity (as $CaCO_3$) | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Selenium | Silver | Zinc | Aluminum |
| NMWQCC Standard: | | | 1,000 | 250 | 600 | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.20 | 0.002 | 0.05 | 0.05 | 10 | 5 |
| MW-28 | 11/18/00 | [b] | **2,500** | **383** | **2,030** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **49.7** | NA | **1.40** | NA | NA | NA | NA | NA |
| | 03/28/01 | [b] | **4,030** | **386** | **1,560** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.06** | NA | 0.0469 | NA | NA | NA | NA | NA |
| | 07/03/02 | [b] | **3,400** | **310** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **3.7** | NA | 0.080 | NA | NA | NA | NA | NA |
| MW-29 | 11/19/00 | [b] | **1,810** | **405** | **735** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **129** | NA | **3.63** | NA | NA | NA | NA | NA |
| | 03/28/01 | [b] | **2,300** | **480** | 589 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.275 | NA | **0.262** | NA | NA | NA | NA | NA |
| | 07/03/02 | [b] | **1,600** | **350** | 480 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **3.3** | NA | **0.72** | NA | NA | NA | NA | NA |
| (Dup MW-34) | 07/03/02 | [b] | **1,700** | **350** | 460 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **3.2** | NA | **0.75** | NA | NA | NA | NA | NA |
| MW-30 | 11/18/00 | [b] | **3,260** | **385** | **1,970** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **49.7** | NA | **1.38** | NA | NA | NA | NA | NA |
| | 03/28/01 | [b] | **3,920** | **401** | **1,610** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.05** | NA | 0.0378 | NA | NA | NA | NA | NA |
| | 07/03/02 | [b] | **3,400** | **320** | **1,800** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 | NA | 0.0091 | NA | NA | NA | NA | NA |
| MW-31 | 10/04/01 | [b] | **3,930** | **478** | **1,550** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.05 | NA | **0.0217** | NA | NA | NA | NA | NA |
| MW-32 | 10/04/01 | [b] | **3,490** | **510** | **1,180** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.05 | NA | **0.173** | NA | NA | NA | NA | NA |
| MW-33 | 10/04/01 | [b] | **3,890** | **483** | **1,610** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.05 | NA | **0.0259** | NA | NA | NA | NA | NA |
| MW-36 | 11/11/03 | | **3,200** | **380** | **2,000** | 0.27 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.02 | NA | **0.1100** | NA | NA | NA | NA | NA |
| MW-37 | 11/11/03 | | **3,200** | **420** | **1,800** | 0.53 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.02 | NA | **1.40** | NA | NA | NA | NA | NA |
| MW-38 | 11/11/03 | | **3,500** | **480** | **2,000** | 1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 0.02 | NA | 0.0130 | NA | NA | NA | NA | NA |

NOTES:

All results reported above the NMWQCC Standards are shown in bold type.

[a] NA - A result for this constituent is not available

[b] Results represent total metals analysis

[c] Results represent dissolved metals analysis on samples filtered in the lab

[d] Analyte present in method blank

## Table 6. Summary of Completion Details for Soil Borings Completed as Wells
## Compressor Station No. 9 - Roswell, NM

| Well | Source[a] | Date of Completion | Measuring Point Elevation (ft)[b] | 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-1 | SH&B/Halliburton NUS | 07/21/92 | na | 2,001.40 | 217.60 | 68 | na | Flush Mount | 4 | 28-68 | 25.2 |
| MW-1B | Layne/Halliburton NUS | 04/21/93 | 3,609.96 | 1,854.00 | 265.50 | 65.5 | 64.65 | Flush Mount | 2 | 55-65 | 53 |
| MW-2 | Layne/Halliburton NUS | 04/21/93 | 3,611.76 | 2,034.30 | 102.40 | 65 | 61.61 | Flush Mount | 2 | 55-65 | 53 |
| MW-3 | Layne/Halliburton NUS | 04/26/93 | 3,614.87 | 1,629.77 | 265.23 | 72.5 | na | Flush Mount | 2 | 60-70 | 58 |
| MW-5 | Layne/Halliburton NUS | 04/28/93 | 3,612.77 | 2,049.70 | -150.96 | 70 | 69.35 | Flush Mount | 2 | 60-70 | 58 |
| RW-1 | NA/Halliburton NUS | 06/13/93 | na | na | na | 42.5 | 49.65 | Flush Mount | na | na | na |
| MW-6 | Pool/DBS | 12/01/94 | 3,618.62 | 1,607.40 | -266.20 | 79 | na | Flush Mount | 2 | 59.9-74.9 | 57.1 |
| MW-7 | Harrison/DBS | 08/22/95 | 3,599.20 | 2,118.00 | 328.40 | 70.5 | na | Flush Mount | 2 | 50-70 | 48.1 |
| MW-8 | Harrison/DBS | 08/16/95 | 3,595.80 | 2,178.00 | 414.70 | 76.8 | 73.80 | Flush Mount | 2 | 59-74 | 57.2 |
| MW-9 | Harrison/DBS | 08/18/95 | 3,599.35 | 2,071.40 | 512.90 | 70 | 69.75 | Flush Mount | 2 | 50-70 | 47.9 |
| MW-10 | Layne/DBS | 09/10/96 | 3,617.85 | 1,804.76 | 0.14 | 74.5 | 72.15 | Flush Mount | 2 | 57-72 | 55.3 |
| MW-11 | Layne/DBS | 09/16/96 | 3,613.31 | 2,046.04 | -27.10 | 72 | 68.30 | Flush Mount | 2 | 54-69 | 51.5 |
| MW-12 | Layne/DBS | 09/11/96 | 3,606.38 | 2,149.13 | 152.94 | 64 | na | Flush Mount | 2 | 44-64 | 42 |
| MW-13 | Layne/DBS | 09/13/96 | 3,612.46 | 1,749.33 | 265.05 | 72 | na | Flush Mount | 2 | 57-72 | 55 |
| MW-14 | Layne/DBS | 09/10/96 | 3,604.83 | 1,918.87 | 365.40 | 64.5 | na | Flush Mount | 2 | 49.5-64.5 | 48 |
| MW-15 | Layne/DBS | 09/20/96 | 3,610.43 | 1,803.83 | 516.97 | 68.5 | na | Flush Mount | 2 | 38.5-68.5 | 37 |
| MW-16 | Layne/DBS | 09/19/96 | 3,612.41 | 1,718.88 | 387.35 | 71.4 | 71.46 | Flush Mount | 2 | 46.4-71.4 | 45.5 |
| MW-17 | Layne/DBS | 09/21/96 | 3,608.43 | 1,598.72 | 516.35 | 70 | na | Flush Mount | 2 | 53-68 | 50.9 |
| MW-18 | Layne/DBS | 09/25/96 | 3,609.73 | 1,701.47 | 613.38 | 71 | na | Flush Mount | 2 | 54-69 | 51.6 |
| MW-19 | Layne/DBS | 09/26/96 | 3,608.17 | 1,806.45 | 717.41 | 69.5 | na | Flush Mount | 2 | 54.5-69.5 | 51 |
| MW-20 | Layne/DBS | 08/04/97 | 3,600.65 | 2,283.22 | 148.03 | 64 | na | Flush Mount | 2 | 46.8-61.8 | 43.9 |
| MW-21 | Layne/DBS | 08/06/97 | 3,611.99 | 1,511.01 | 408.66 | 75 | na | Flush Mount | 2 | 54-74 | 51.7 |
| MW-22 | Layne/DBS | 08/04/97 | 3,606.04 | 2,187.66 | 26.69 | 68 | na | Flush Mount | 2 | 50-65 | 49 |
| MW-26 | GPI/CES | 09/01/98 | 3,597.75 | 2,416.94 | 142.26 | 65 | na | Flush Mount | 2 | 43-63 | 41 |
| MW-27 | GPI/CES | 09/02/98 | 3,615.11 | 1,332.63 | 433.96 | 75 | na | Flush Mount | 2 | 55-75 | 53 |
| MW-28 | GPI/CES | 11/14/00 | 3,615.90 | 1,228.94 | 390.72 | 75 | 74.81 | Flush Mount | 2 | 60-75 | 58 |
| MW-29 | GPI/CES | 11/18/00 | 3,613.54 | 1,237.26 | 542.28 | 75 | 74.45 | Flush Mount | 2 | 60-75 | 58 |
| MW-30 | GPI/CES | 11/16/00 | 3,612.63 | 1,133.59 | 440.96 | 75 | 74.70 | Flush Mount | 2 | 60-75 | 58 |
| MW-31 | GPI/CES | 09/21/01 | 3,611.59 | 1,341.87 | 649.76 | 75 | 74.55 | Flush Mount | 2 | 60-75 | 58 |
| MW-32 | GPI/CES | 09/23/01 | 3,608.73 | 1,088.91 | 563.93 | 75 | 74.20 | Flush Mount | 2 | 60-75 | 58 |
| MW-33 | GPI/CES | 09/22/01 | 3,610.55 | 1,180.19 | 683.32 | 75 | 74.60 | Flush Mount | 2 | 60-75 | 58 |
| MW-34 | Atkins/CES | 01/06/03 | 3605.05 (c) | 933.24 | 536.25 | 79 | 75.75 | Flush Mount | 2 | 49-79 | 46 |
| MW-35 | Atkins/CES | 01/07/03 | 3601.87 (c) | 947.76 | 635.18 | 79 | 76.71 | Flush Mount | 2 | 49-79 | 46 |

## Table 6. Summary of Completion Details for Soil Borings Completed as Wells
## Compressor Station No. 9 - Roswell, NM

| Well | Source[a] | Date of Completion | Measuring Point Elevation (ft)[b] | 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-36 | Atkins/CES | 09/29/03 | 3601.97 (d) | 813.34 | 447.57 | 75 | 74.35 | Flush Mount | 2 | 55-75 | 53 |
| MW-37 | Atkins/CES | 09/29/03 | 3599.86 (d) | 785.35 | 517.40 | 70 | 69.61 | Flush Mount | 2 | 50-70 | 48 |
| MW-38 | Atkins/CES | 09/30/03 | 3598.11 (d) | 792.32 | 590.85 | 68 | 67.76 | Flush Mount | 2 | 48-68 | 46 |
| MW-23D | GPI/CES | 07/29/97 | 3,605.00 | 1,914.95 | 393.65 | 194 | na | Flush Mount | 4 | 167-187 | 164 |
| MW-24D | GPI/CES | 09/10/98 | 3,595.95 | 2,139.77 | 807.92 | 180 | na | Flush Mount | 4 | 146-176 | 143 |
| MW-25D | GPI/CES | 09/09/98 | 3,592.99 | 2,422.12 | 314.82 | 150 | na | Flush Mount | 4 | 119-149 | 117 |
| SVE-1A | Layne/DBS | 09/21/96 | 3,616.50 | 1,793.70 | 114.40 | 30 | 29.65 | Flush Mount | 2 | 20-30 | 19 |
| SVE-2A | Layne/DBS | 09/20/96 | 3,615.70 | 1,735.90 | 178.90 | 30 | 29.83 | Flush Mount | 2 | 20-30 | 17.5 |
| SVE-3 | Layne/DBS | 09/16/96 | 3,614.51 | 1,881.00 | 176.60 | 62.3 | 61.90 | Flush Mount | 2 | 32.0-62.3 | 29.5 |
| SVE-22 | Atkins/CES | 11/07/02 | na | 1746.89 | 226.73 | 35 | 33.20 | Flush Mount | 2 | 25-35 | 23 |
| SVE-23 | Atkins/CES | 11/07/02 | na | 1832.49 | 254.54 | 39 | 36.70 | Flush Mount | 2 | 25-35 | 22 |
| SVE-24 | Atkins/CES | 11/13/02 | na | 1918.08 | 282.35 | 30 | 28.85 | Flush Mount | 2 | 20-30 | 18 |
| SVE-25 | Atkins/CES | 11/04/02 | na | 1813.77 | 166.51 | 34 | 53.30 | Flush Mount | 2 | 24-34 | 21.6 |
| SVE-26 | Atkins/CES | 11/05/02 | na | 1884.06 | 191.23 | 35 | 32.45 | Flush Mount | 2 | 24-34 | 22 |
| SVE-27 | Atkins/CES | 11/01/02 | na | 1965.96 | 206.14 | 35 | 33.90 | Flush Mount | 2 | 20-35 | 18 |
| SVE-28 | Atkins/CES | 10/29/02 | na | 2052.33 | 231.44 | 35 | 36.00 | Flush Mount | 2 | 25-35 | 23 |
| SVE-30 | Atkins/CES | 10/25/02 | na | 1946.05 | 114.40 | 45 | 44.00 | Flush Mount | 2 | 20-45 | 18 |
| SVE-31 | Atkins/CES | 10/28/02 | na | 2031.05 | 143.99 | 35 | 33.95 | Flush Mount | 2 | 25-35 | 23 |
| MPE-1 | Atkins/CES | 12/06/02 | na | 1099.58 | 600.30 | 79 | 75.60 | Flush Mount | 4 | 54-74 | 49 |
| MPE-2 | Atkins/CES | 12/24/02 | na | 1039.89 | 532.94 | 79 | 71.75 | Flush Mount | 4 | 54-79 | 51 |
| MPE-3 | Atkins/CES | 12/21/02 | na | 1128.06 | 514.93 | 79 | 75.95 | Flush Mount | 4 | 54-79 | 51 |
| MPE-4 | Atkins/CES | 12/19/12 | na | 1187.75 | 582.28 | 79 | 78.30 | Flush Mount | 4 | 54-79 | 51 |
| MPE-5 | Atkins/CES | 12/16/02 | na | 1277.20 | 572.35 | 79 | 77.70 | Flush Mount | 4 | 59-79 | 56 |
| MPE-6 | Atkins/CES | 12/17/02 | na | 1216.24 | 496.91 | 79 | 75.00 | Flush Mount | 4 | 54-79 | 51 |
| MPE-7 | Atkins/CES | 12/13/02 | na | 1305.69 | 486.98 | 79 | 78.41 | Flush Mount | 4 | 54-74 | 51 |
| MPE-8 | Atkins/CES | 12/14/02 | na | 1405.38 | 500.61 | 79 | 77.55 | Flush Mount | 4 | 59-79 | 50 |
| MPE-9 | Atkins/CES | 12/18/02 | na | 1334.63 | 413.06 | 79 | 73.60 | Flush Mount | 4 | 54-74 | 51 |
| MPE-10 | Atkins/CES | 12/09/02 | na | 1432.19 | 416.74 | 79 | 75.30 | Flush Mount | 4 | 54-74 | 50 |
| MPE-11 | Atkins/CES | 12/07/02 | na | 1492.97 | 479.94 | 79 | 79.05 | Flush Mount | 4 | 54-74 | 50 |
| MPE-12 | Atkins/CES | 12/06/02 | na | 1522.61 | 383.57 | 79 | 75.40 | Flush Mount | 4 | 54-74 | 51 |
| MPE-13 | Atkins/CES | 12/03/02 | na | 1570.20 | 436.35 | 79 | 77.60 | Flush Mount | 4 | 54-74 | 50.7 |
| MPE-14 | Atkins/CES | 11/25/02 | na | 1631.84 | 435.21 | 79 | 76.80 | Flush Mount | 4 | 54-74 | 51 |
| MPE-15 | Atkins/CES | 11/22/02 | na | 1714.06 | 455.52 | 79 | 79.25 | Flush Mount | 4 | 59-74 | 54 |

## Table 6. Summary of Completion Details for Soil Borings Completed as Wells
## Compressor Station No. 9 - Roswell, NM

| Well | Source[a] | Date of Completion | Measuring Point Elevation (ft)[b] | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MPE-16 | Atkins/CES | 11/27/02 | na | 1613.13 | 347.18 | 79 | 78.20 | Flush Mount | 4 | 54-74 | 49 |
| MPE-17 | Atkins/CES | 11/20/02 | na | 1698.72 | 374.99 | 75 | 76.10 | Flush Mount | 4 | 55-70 | 49 |
| MPE-18 | Atkins/CES | 11/21/02 | na | 1784.32 | 402.80 | 79 | 78.68 | Flush Mount | 4 | 58-73 | 55 |
| MPE-19 | Atkins/CES | 11/26/02 | na | 1680.01 | 286.96 | 79 | 74.12 | Flush Mount | 4 | 49-74 | 46 |
| MPE-20 | Atkins/CES | 11/20/02 | na | 1765.60 | 314.77 | 78 | 77.60 | Flush Mount | 4 | 48-73 | 42 |
| MPE-21 | Atkins/CES | 11/19/02 | na | 1852.27 | 337.91 | 69 | 68.90 | Flush Mount | 4 | 44-64 | 41.9 |
| MPE-22 | Atkins/CES | 11/07/02 | na | 1746.89 | 226.73 | 80 | 77.52 | Flush Mount | 4 | 55-80 | 52 |
| MPE-23 | Atkins/CES | 11/06/02 | na | 1832.49 | 254.54 | 80 | 78.41 | Flush Mount | 4 | 55-80 | 52 |
| MPE-24 | Atkins/CES | 11/13/02 | na | 1918.08 | 282.35 | 74 | 73.77 | Flush Mount | 4 | 49-74 | 46 |
| MPE-25 | Atkins/CES | 11/04/02 | na | 1813.77 | 166.51 | 80 | 77.45 | Flush Mount | 4 | 54-79 | 51 |
| MPE-26 | Atkins/CES | 11/06/02 | na | 1884.06 | 191.23 | 84 | 77.35 | Flush Mount | 4 | 54-84 | 49 |
| MPE-27 | Atkins/CES | 10/31/02 | na | 1965.96 | 206.14 | 79 | 79.40 | Flush Mount | 4 | 54-79 | 48 |
| MPE-28 | Atkins/CES | 10/31/02 | na | 2052.33 | 231.44 | 82 | 77.67 | Flush Mount | 4 | 46-76 | 43 |
| MPE-29 | Atkins/CES | 11/02/02 | na | 1859.68 | 89.10 | 79 | 78.35 | Flush Mount | 4 | 54-79 | 51 |
| MPE-30 | Atkins/CES | 10/25/02 | na | 1946.05 | 114.40 | 80 | 77.96 | Flush Mount | 4 | 59-79 | 56 |
| MPE-31 | Atkins/CES | 10/28/02 | na | 2031.05 | 143.99 | 80 | 78.80 | Flush Mount | 4 | 59-79 | 58 |
| MPE-32 | Atkins/CES | 11/19/02 | na | 2117.42 | 169.29 | 79 | 78.30 | Flush Mount | 4 | 44-74 | 39.2 |
| MPE-33 | Atkins/CES | 11/18/02 | na | 2202.42 | 198.88 | 79 | 78.00 | Flush Mount | 4 | 44-79 | 41.6 |
| MPE-34 | Atkins/CES | 10/24/02 | na | 2014.18 | 55.59 | 80 | 77.52 | Flush Mount | 4 | 59-79 | 56 |
| MPE-35 | Atkins/CES | 11/15/02 | na | 2099.18 | 85.18 | 79 | 79.21 | Flush Mount | 4 | 54-74 | 51 |
| MPE-36 | Atkins/CES | 11/14/02 | na | 2185.55 | 110.48 | 74 | 71.31 | Flush Mount | 4 | 44-74 | 41 |
| MPE-37 | Atkins/CES | 11/15/02 | na | 2270.54 | 140.07 | 74 | 73.60 | Flush Mount | 4 | 44-74 | 41 |

NOTES:
(a) Driller/Consultant
(b) Survey by Wagener Engineering dated 5/6/98, 9/17/98, 11/29/00 and 10/03/01
(c) Survey by Cypress Engineering dated 3/14/03
(d) Survey by Cypress Engineering dated 6/23/07

## Table 7. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
## Compressor Station No. 9 - Roswell, NM

| | Analytical Requirements | | | |
|---|---|---|---|---|
| Well ID | 1st Semiannual Event | 2nd Semiannual Event | Benzene (ppb) Most recent event | Comments |
| MW-1 | none | none | na | well pugged and abandoned |
| MW-1B | none | none | na | PSH in well |
| MW-2 | none | none | na | PSH in well |
| MW-3 | none | BTEX | <1 | clean perimeter well |
| MW-5 | none | none | <1 | clean; outside clean perimeter well |
| MW-6 | none | none | <1 | clean; outside clean perimeter well |
| MW-7 | none | BTEX | <1 | clean perimeter well |
| MW-8 | none | none | <1 | clean; outside clean perimeter well |
| MW-9 | none | none | <1 | clean; outside clean perimeter well |
| MW-10 | none | BTEX | <1 | clean; upgradient perimeter well |
| MW-11 | none | BTEX | <1 | clean perimeter well |
| MW-12 | BTEX | BTEX | 480 | COCs: benzene; elevated Fe & Mn |
| MW-13 | BTEX | BTEX | <1 | COCs: benzene; elevated Fe & Mn |
| MW-14 | none | BTEX | 42 | clean perimeter well |
| MW-15 | none | BTEX | <1 | clean perimeter well |
| MW-16 | none | none | na | PSH in well |
| MW-17 | none | BTEX | <1 | clean perimeter well |
| MW-18 | none | none | <1 | clean; outside clean perimeter well |
| MW-19 | none | none | <1 | clean; outside clean perimeter well |
| MW-20 | VOCs | VOCs | 4.3 | COCs: DCA, DCE, TCA; elevated Fe & Mn |
| MW-21 | BTEX | BTEX | <1 | COCs: benzene; elevated Fe & Mn |
| MW-22 | VOCs | VOCs | <1 | COCs: DCE, TCA; elevated Fe & Mn |
| MW-23D | none | BTEX | <1 | clean deep well |
| MW-24D | none | BTEX | <1 | clean deep well |
| MW-25D | none | BTEX | <1 | clean deep well |
| MW-26 | VOCs | VOCs | <1 | COCs: DCE; elevated Fe & Mn |
| MW-27 | none | none | na | PSH in well |
| MW-28 | none | BTEX | <1 | |
| MW-29 | BTEX | BTEX | 14 | COCs: benzene; elevated Mn |
| MW-30 | none | BTEX | <1 | |
| MW-31 | none | BTEX | <1 | |
| MW-32 | BTEX | BTEX | 37 | |
| MW-33 | none | BTEX | <1 | |
| MW-34 | BTEX | BTEX | 44 | New well |
| MW-35 | BTEX | BTEX | <1 | New well |
| MW-36 | BTEX | BTEX | <1 | New well |
| MW-37 | BTEX | BTEX | <1 | New well |
| MW-38 | BTEX | BTEX | <1 | New well |
| MPE-2 | none | none | 3.9 | Multiphase extraction well |
| MPE-11 | none | none | <1 | Multiphase extraction well |
| MPE-15 | none | none | <1 | Multiphase extraction well |

Notes:
1) nd - non-detect
2) na - not available; sample not collected or analysis not requested
3) VOCs - Volatile Organic Compounds by EPA Method 8260
4) BTEX - by EPA Method 8260

## Table 8. Summary of Vapor Sample Analyses for the SVE System
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | Gasoline Range VOCs | | Estimated Process Flow | Potential Emissions | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ug/L) | (ppmv) [a] | (scfm) | (lb/hr) | (%) | | | | | | | | | |
| West Baker Furnace | 05/21/03 | 3,220 | 980 | 128 | 1.5 | 1.0 | 19.7 | 40.0 | 28.8 | 7.5 | 2.4 | 0.5 | 0.1 | 0.0 | 0.0 |
| Duplicate (SVE-1) | 05/21/03 | 3,680 | 1,120 | 128 | 1.8 | 0.0 | 20.6 | 39.8 | 29.3 | 7.6 | 2.2 | 0.4 | 0.1 | 0.0 | 0.0 |
| West Baker Furnace | 06/04/03 | 3,660 | 1,114 | 127 | 1.7 | 0.7 | 36.1 | 23.0 | 32.6 | 4.6 | 2.3 | 0.5 | 0.0 | 0.0 | 0.2 |
| Duplicate (SVE-1) | 06/04/03 | 3,180 | 968 | 127 | 1.5 | 0.4 | 37.4 | 34.7 | 20.8 | 4.5 | 2.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| West Baker Furnace | 12/15/04 | 979 | 298 | 157 | 0.6 | 10.0 | 36.1 | 40.2 | 7.1 | 5.2 | 0.8 | 0.5 | 0.0 | 0.1 | 0.0 |
| West Baker Furnace | 12/22/04 | 320 | 97 | 168 | 0.2 | 8.8 | 31.5 | 33.8 | 15.3 | 6.7 | 3.0 | 0.3 | 0.5 | 0.1 | 0.0 |
| West Baker Furnace | 07/15/05 | 2,120 | 645 | 153 | 1.2 | 8.1 | 41.2 | 29.3 | 15.8 | 4.2 | 1.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| West Baker Furnace | 05/01/06 | 2,200 | 669 | 160 | 1.3 | 23.7 | 26.6 | 27.6 | 16.1 | 3.9 | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 |
| West Baker Furnace | 09/13/06 | 990 | 301 | 165 | 0.6 | 26.4 | 25.9 | 26.1 | 18.7 | 2.0 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 |
| West Baker Furnace | 06/22/07 | 826 | 251 | 161 | 0.5 | 5.8 | 22.3 | 31.4 | 27.8 | 9.9 | 2.5 | 0.3 | 0.0 | 0.0 | 0.0 |
| East Baker Furnace | 05/21/03 | 1,850 | 563 | 175 | 1.2 | 0.0 | 16.5 | 29.1 | 26.2 | 14.2 | 8.0 | 2.2 | 0.7 | 2.4 | 0.7 |
| Duplicate (SVE-2) | 05/21/03 | 2,070 | 630 | 175 | 1.4 | 0.0 | 16.6 | 29.8 | 27.2 | 15.1 | 8.6 | 1.8 | 0.6 | 0.1 | 0.2 |
| East Baker Furnace | 06/04/03 | 3,450 | 1,050 | 142 | 1.8 | 0.4 | 39.8 | 30.3 | 19.0 | 7.1 | 2.5 | 0.8 | 0.1 | 0.0 | 0.0 |
| Duplicate (SVE-2) | 06/04/03 | 3,370 | 1,025 | 142 | 1.8 | 0.3 | 40.2 | 29.9 | 19.0 | 7.2 | 2.6 | 0.7 | 0.1 | 0.0 | 0.0 |
| East Baker Furnace | 12/15/04 | 2,800 | 852 | 215 | 2.3 | 1.4 | 38.5 | 39.9 | 15.8 | 3.5 | 0.5 | 0.2 | 0.0 | 0.1 | 0.1 |
| East Baker Furnace | 12/22/04 | 1,520 | 463 | 174 | 1.0 | 4.7 | 32.0 | 33.9 | 24.6 | 3.6 | 1.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| East Baker Furnace | 07/15/05 | 4,140 | 1,260 | 184 | 2.8 | 8.2 | 41.4 | 29.6 | 16.3 | 3.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| East Baker Furnace | 05/10/06 | 4,470 | 1,360 | 198 | 3.3 | 25.1 | 28.4 | 27.5 | 14.6 | 2.7 | 0.5 | 1.2 | 0.0 | 0.0 | 0.0 |
| East Baker Furnace | 09/13/06 | 3,140 | 956 | 210 | 2.5 | 23.0 | 27.4 | 29.0 | 16.9 | 3.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| East Baker Furnace | 06/22/07 | 1,300 | 396 | 206 | 1.0 | 6.1 | 23.5 | 31.5 | 29.5 | 7.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |

## Table 8. Summary of Vapor Sample Analyses for the SVE System
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | Gasoline Range VOCs | | Estimated Process Flow | Potential Emissions | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ug/L) | (ppmv) [a] | (scfm) | (lb/hr) | (%) | | | | | | | | | |
| A Circuit | 07/22/03 | 2,540 | 773 | 132 | 1.3 | 0.0 | 17.2 | 38.5 | 31.1 | 7.6 | 3.1 | 0.5 | 0.5 | 1.5 | 0.0 |
| Duplicate (A Circuit) (SVE-1) | 07/22/03 | 2,140 | 651 | 132 | 1.1 | 0.0 | 17.8 | 39.0 | 30.1 | 9.8 | 2.8 | 0.4 | 0.0 | 0.1 | 0.0 |
| A Circuit | 03/02/04 | 1,050 | 320 | 24 | 0.1 | 0.1 | 36.2 | 44.4 | 17.5 | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| A Circuit | 12/15/04 | 3,680 | 1,120 | 34 | 0.5 | 0.2 | 35.0 | 42.3 | 17.6 | 4.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| A Circuit | 12/22/04 | 660 | 201 | 81 | 0.2 | 18.6 | 43.0 | 31.1 | 6.3 | 0.5 | 0.2 | 0.0 | 0.3 | 0.0 | 0.0 |
| A Circuit | 07/15/05 | 4,850 | 1,476 | 37 | 0.7 | 6.0 | 35.4 | 31.7 | 20.5 | 5.3 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| A Circuit | 05/10/06 | 8,800 | 2,678 | 40 | 1.3 | 21.2 | 31.1 | 30.0 | 14.4 | 2.6 | 0.4 | 0.3 | 0.0 | 0.0 | 0.0 |
| A Circuit | 09/13/06 | 9,340 | 2,842 | 52 | 1.8 | 31.5 | 30.5 | 26.5 | 10.4 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| A Circuit | 06/22/07 | 1,020 | 310 | 90 | 0.3 | 3.2 | 15.7 | 26.6 | 34.4 | 12.1 | 3.7 | 4.3 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | | | | |
| B Circuit | 07/27/03 | 7,640 | 2,325 | 110 | 3.1 | 0.2 | 34.6 | 20.4 | 33.3 | 8.0 | 2.5 | 0.7 | 0.3 | 0.0 | 0.0 |
| B Circuit | 03/02/04 | 9,420 | 2,867 | 80 | 2.8 | 0.1 | 40.2 | 40.4 | 18.1 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B Circuit | 12/15/04 | 6,380 | 1,941 | 90 | 2.1 | 0.1 | 33.1 | 50.3 | 14.2 | 2.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| B Circuit | 12/22/04 | 4,990 | 1,518 | 73 | 1.4 | 0.3 | 40.8 | 39.7 | 18.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B Circuit | 07/15/05 | 28,900 | 8,794 | 94 | 10.2 | 16.9 | 48.5 | 22.4 | 10.8 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| B Circuit | 05/10/06 | 8,470 | 2,577 | 99 | 3.1 | 12.2 | 33.7 | 39.0 | 12.2 | 2.2 | 0.1 | 0.6 | 0.0 | 0.0 | 0.0 |
| B Circuit | 09/13/06 | 6,320 | 1,923 | 104 | 2.5 | 34.2 | 29.1 | 23.9 | 11.5 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B Circuit | 06/22/07 | 6,690 | 2,036 | 73 | 1.8 | 8.2 | 29.0 | 34.2 | 22.1 | 5.1 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | | | | |
| C Circuit | 08/18/03 | 1,250 | 380 | 130 | 0.6 | 0.0 | 37.5 | 35.6 | 22.5 | 3.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| C Circuit | 03/02/04 | 7,890 | 2,401 | 64 | 1.9 | 0.1 | 25.4 | 39.2 | 30.1 | 4.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| C Circuit | 12/15/04 | 857 | 261 | 90 | 0.3 | 5.7 | 49.5 | 41.5 | 2.1 | 0.4 | 0.2 | 0.5 | 0.0 | 0.1 | 0.0 |
| C Circuit | 12/22/04 | 2,770 | 843 | 59 | 0.6 | 3 | 22.5 | 37.1 | 32.2 | 4.6 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 |
| C Circuit | 07/15/05 | 1,390 | 423 | 75 | 0.4 | 11 | 40.1 | 26.0 | 19.4 | 1.6 | 0.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| C Circuit | 05/10/06 | 1,400 | 426 | 80 | 0.4 | 20 | 14.1 | 43.9 | 17.5 | 1.3 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 |
| C Circuit | 09/13/06 | 180 | 55 | 73 | 0.0 | 27 | 34.0 | 25.2 | 13.7 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| C Circuit | 06/22/07 | 1,600 | 487 | 65 | 0.4 | 9.4 | 31.8 | 34.9 | 20.3 | 3.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | | | | |

## Table 8. Summary of Vapor Sample Analyses for the SVE System
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | Gasoline Range VOCs | | Estimated Process Flow | Potential Emissions | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ug/L) | (ppmv) [a] | (scfm) | (lb/hr) | (%) | | | | | | | | | |
| D Circuit | 08/25/03 | 2,380 | 724 | 119 | 1.1 | 0.0 | 49.6 | 35.7 | 13.4 | 1.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| D Circuit | 03/02/04 | 52,600 | 16,006 | 64 | 12.6 | 0.0 | 32.1 | 47.8 | 18.8 | 1.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| D Circuit | 12/15/04 | 14,400 | 4,382 | 90 | 4.8 | 0.1 | 34.3 | 53.7 | 11.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| D Circuit | 12/22/04 | 13,600 | 4,138 | 59 | 3.0 | 0.1 | 35.7 | 45.3 | 17.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| D Circuit | 07/15/05 | 10,900 | 3,317 | 75 | 3.1 | 11.3 | 39.9 | 26.6 | 19.4 | 2.4 | 0.2 | 0.1 | 0.0 | 0.1 | 0.0 |
| D Circuit | 05/10/06 | 28,100 | 8,551 | 80 | 8.4 | 22.3 | 33.9 | 22.3 | 18.7 | 2.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| D Circuit | 09/13/06 | 17,600 | 5,356 | 83 | 5.5 | 31.9 | 38.0 | 24.7 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| D Circuit | 06/22/07 | 13,100 | 3,986 | 65 | 3.2 | 6.8 | 25.0 | 33.5 | 26.3 | 6.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| Shallow Circuit | 03/02/04 | 1,200 | 365 | 48 | 0.2 | 0.3 | 13.5 | 32.7 | 40.9 | 11.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| Shallow Circuit | 12/15/04 | 3,630 | 1,105 | 68 | 0.9 | 0.7 | 17.1 | 44.2 | 28.2 | 6.8 | 0.8 | 1.3 | 0.7 | 0.2 | 0.0 |
| Shallow Circuit | 12/22/04 | 584 | 178 | 66 | 0.1 | 2.3 | 14.2 | 35.9 | 36.7 | 7.7 | 0.7 | 0.4 | 0.8 | 0.6 | 0.7 |
| Shallow Circuit | 07/15/05 | 336 | 102 | 56 | 0.1 | 1.5 | 20.0 | 20.8 | 39.1 | 13.7 | 4.2 | 0.6 | 0.0 | 0.0 | 0.1 |
| Shallow Circuit | 05/10/06 | 1,260 | 383 | 60 | 0.3 | 4.6 | 6.3 | 28.5 | 48.1 | 9.7 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| Shallow Circuit | 09/13/06 | 4,450 | 1,354 | 63 | 1.0 | 6.9 | 23.3 | 43.2 | 24.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Shallow Circuit | 06/22/07 | 1,030 | 313 | 73 | 0.3 | 0.9 | 7.3 | 22.6 | 39.7 | 18.2 | 5.6 | 5.2 | 0.5 | 0.0 | 0.0 |

(a) Conversion Factor:
P = 1.00 atm, MW = 79 g/mole, R = 0.08205 L*atm/(K*mole), T = 293 $^{o}$K
C ppmv = C ug/L * ((R * T)/(MW*P))
C ppmv = C ug/L * 0.3043

# Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
# Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-1 | 08/03/03 | 3.3 | 5 | 1.6 | 0.0 | 0.0 | 0.9 | 5.4 | 23.4 | 36.1 | 26.5 | 6.4 | 1.3 | 0.0 |
| | 12/22/04 | -- | 461 | 140.3 | 0.3 | 7.9 | 25.3 | 45.6 | 16.0 | 4.0 | 0.0 | 0.7 | 0.2 | 0.0 |
| | 05/10/06 | -- | 265 | 80.6 | 4.3 | 11.1 | 27.4 | 31.4 | 15.3 | 7.3 | 3.0 | 0.1 | 0.1 | 0.0 |
| | 06/22/07 | -- | 193 | 58.7 | 0.7 | 5.8 | 21.4 | 40.7 | 23.5 | 7.3 | 0.6 | 0.0 | 0.0 | 0.0 |
| MPE-2 | 08/03/03 | 3.1 | 9 | 2.7 | 0.0 | 0.0 | 0.7 | 5.1 | 20.1 | 29.0 | 19.6 | 4.9 | 17.8 | 2.8 |
| | 12/22/04 | -- | 506 | 154.0 | 0.4 | 7.7 | 25.3 | 46.1 | 16.2 | 3.8 | 0.0 | 0.5 | 0.0 | 0.0 |
| | 05/10/06 | -- | 351 | 106.8 | 4.6 | 12.0 | 28.2 | 31.3 | 15.0 | 6.2 | 2.6 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 163 | 49.6 | 0.8 | 6.9 | 23.4 | 40.8 | 20.8 | 6.8 | 0.5 | 0.0 | 0.0 | 0.0 |
| MPE-3 | 08/03/03 | 3.4 | 7 | 2.1 | 0.0 | 1.7 | 9.1 | 16.4 | 23.9 | 32.4 | 15.9 | 0.6 | 0.0 | 0.0 |
| | 12/22/04 | -- | 564 | 171.6 | 0.5 | 7.9 | 25.7 | 45.8 | 16.0 | 3.6 | 0.0 | 0.4 | 0.1 | 0.0 |
| | 05/10/06 | -- | 341 | 103.8 | 3.4 | 9.3 | 22.7 | 25.4 | 12.0 | 5.6 | 21.5 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 178 | 54.2 | 0.9 | 7.0 | 23.2 | 39.8 | 21.0 | 7.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| MPE-4 | 08/03/03 | 3.2 | 16 | 4.8 | 0.0 | 2.6 | 17.7 | 21.3 | 26.7 | 21.3 | 9.9 | 0.3 | 0.2 | 0.0 |
| | 12/22/04 | -- | 620 | 188.7 | 0.5 | 8.4 | 26.3 | 41.7 | 18.9 | 3.5 | 0.3 | 0.4 | 0.0 | 0.0 |
| | 05/10/06 | -- | 412 | 125.4 | 5.1 | 11.2 | 26.9 | 31.7 | 14.8 | 6.8 | 3.4 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 190 | 57.8 | 0.8 | 7.2 | 23.8 | 40.1 | 20.7 | 6.8 | 0.6 | 0.0 | 0.0 | 0.0 |
| MPE-5 | 08/03/03 | 3.6 | 9 | 2.9 | 0.0 | 0.6 | 5.8 | 17.9 | 33.1 | 30.5 | 11.9 | 0.2 | 0.0 | 0.0 |
| | 12/22/04 | -- | 536 | 163.1 | 0.8 | 8.2 | 26.0 | 49.4 | 12.2 | 2.6 | 0.0 | 0.7 | 0.1 | 0.0 |
| | 05/10/06 | -- | 438 | 133.3 | 6.0 | 11.5 | 27.3 | 31.1 | 13.9 | 6.4 | 3.6 | 0.0 | 0.2 | 0.0 |
| | 06/22/07 | -- | 226 | 68.8 | 0.8 | 7.2 | 23.7 | 39.8 | 20.9 | 6.9 | 0.7 | 0.0 | 0.0 | 0.0 |
| MPE-6 | 08/03/03 | 3.9 | 8 | 2.5 | 0.0 | 0.0 | 2.1 | 12.8 | 29.7 | 35.3 | 19.8 | 0.3 | 0.0 | 0.0 |
| | 12/22/04 | -- | 639 | 194.4 | 1.0 | 9.1 | 26.9 | 48.2 | 12.0 | 2.1 | 0.0 | 0.6 | 0.1 | 0.0 |
| | 05/10/06 | -- | 482 | 146.7 | 4.9 | 11.9 | 28.1 | 31.8 | 14.4 | 6.2 | 2.6 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 249 | 75.8 | 1.0 | 7.8 | 24.9 | 40.5 | 20.3 | 5.1 | 0.4 | 0.0 | 0.0 | 0.0 |

# Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-7 | 08/03/03 | 7.2 | 107 | 32.6 | 0.0 | 47.4 | 22.0 | 17.8 | 5.6 | 2.8 | 1.7 | 0.7 | 2.0 | 0.0 |
| | 12/22/04 | -- | 727 | 221.2 | 0.9 | 8.6 | 25.5 | 44.2 | 11.2 | 9.1 | 0.0 | 0.5 | 0.0 | 0.0 |
| | 05/10/06 | -- | 646 | 196.6 | 4.6 | 12.4 | 28.8 | 31.6 | 14.5 | 6.0 | 2.0 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 348 | 105.9 | 1.0 | 7.7 | 24.6 | 41.5 | 20.2 | 4.7 | 0.3 | 0.0 | 0.0 | 0 |
| MPE-8 | 08/03/03 | 5.1 | 34 | 10.2 | 0.0 | 9.5 | 17.4 | 34.1 | 19.5 | 9.4 | 4.8 | 1.6 | 3.7 | 0.0 |
| | 12/22/04 | -- | 811 | 246.8 | 1.3 | 10.6 | 29.2 | 46.1 | 10.8 | 1.5 | 0.0 | 0.5 | 0.0 | 0.0 |
| | 05/10/06 | -- | 880 | 267.8 | 6.2 | 14.4 | 30.2 | 30.4 | 12.8 | 4.4 | 1.5 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 532 | 161.9 | 1.0 | 8.5 | 26.2 | 41.7 | 19.0 | 3.5 | 0.1 | 0.0 | 0.0 | 0.0 |
| MPE-9 | 08/03/03 | 23.9 | 260 | 79.1 | 0.0 | 55.0 | 26.1 | 14.5 | 2.8 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,590 | 483.8 | 2.8 | 24.3 | 31.9 | 32.2 | 7.3 | 1.1 | 0.0 | 0.3 | 0.1 | 0.0 |
| | 05/10/06 | -- | 3,830 | 1,165.5 | 14.1 | 26.3 | 32.4 | 20.0 | 5.3 | 1.1 | 0.8 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 1,490 | 453.4 | 2.1 | 13.6 | 30.2 | 40.5 | 12.2 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-10 | 08/03/03 | 8.6 | 68 | 20.8 | 0.0 | 28.4 | 29.8 | 24.3 | 10.0 | 5.3 | 2.2 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,140 | 346.9 | 0.1 | 10.5 | 30.4 | 43.5 | 13.4 | 2.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 7,560 | 2,300.5 | 30.3 | 33.0 | 24.6 | 9.6 | 1.6 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 7,840 | 2,385.7 | 8.3 | 31.4 | 34.4 | 22.7 | 3.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-11 | 08/03/03 | 5.3 | 29 | 8.9 | 0.0 | 15.4 | 26.5 | 27.1 | 14.8 | 10.7 | 5.1 | 0.1 | 0.3 | 0.0 |
| | 12/22/04 | -- | 1,400 | 426.0 | 0.3 | 9.8 | 30.7 | 46.1 | 11.2 | 1.6 | 0.0 | 0.2 | 0.1 | 0.0 |
| | 05/10/06 | -- | 1,000 | 304.3 | 5.6 | 12.3 | 29.3 | 32.6 | 13.0 | 4.5 | 2.6 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 508 | 154.6 | 1.0 | 8.4 | 27.2 | 42.9 | 17.3 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-12 | 08/03/03 | 130.6 | 5,600 | 1,704.1 | 0.0 | 35.0 | 38.7 | 22.4 | 3.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,940 | 590.3 | 0.3 | 12.1 | 35.1 | 43.2 | 8.1 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| | 05/10/06 | -- | 18,800 | 5,720.8 | 7.9 | 29.2 | 36.8 | 23.1 | 2.2 | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 13,800 | 4,199.3 | 4.4 | 19.9 | 35.2 | 32.0 | 7.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-13 | 08/03/03 | 156.9 | 7,290 | 2,218.3 | 0.0 | 16.6 | 61.3 | 18.9 | 2.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 4,930 | 1,500.2 | 0.0 | 24.9 | 42.5 | 27.9 | 4.1 | 0.5 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 10,800 | 3,286.4 | 21.4 | 26.6 | 31.3 | 16.6 | 2.9 | 0.7 | 0.5 | 0.0 | 0.0 | 0.0 |

## Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-14 | 08/03/03 | 162.7 | 8,480 | 2,580.5 | 0.0 | 48.6 | 29.0 | 19.2 | 2.7 | 0.3 | 0.1 | 0.0 | 0.1 | 0.0 |
| | 12/22/04 | -- | 4,770 | 1,451.5 | 0.1 | 28.5 | 41.7 | 25.4 | 3.8 | 0.4 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 14,200 | 4,321.1 | 35.8 | 25.5 | 22.8 | 12.5 | 2.5 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 12,800 | 3,895.0 | 7.2 | 31.0 | 37.2 | 20.4 | 3.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-15 | 08/03/03 | 106.3 | 1,700 | 517.3 | 0.0 | 21.6 | 32.9 | 34.0 | 9.7 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,920 | 584.3 | 0.4 | 11.7 | 33.9 | 43.5 | 9.3 | 1.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,570 | 477.8 | 5.9 | 13.3 | 29.4 | 31.7 | 13.3 | 4.5 | 1.9 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 1,850 | 563.0 | 3.1 | 14.8 | 29.4 | 34.3 | 15.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-16 | 08/03/03 | 134.2 | 3,430 | 1,043.7 | 0.0 | 32.6 | 35.2 | 25.9 | 5.4 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 4,410 | 1,342.0 | 0.0 | 24.5 | 40.8 | 29.2 | 4.9 | 0.5 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 6,960 | 2,117.9 | 32.0 | 24.9 | 23.0 | 14.6 | 3.5 | 1.2 | 0.8 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 13,900 | 4,229.8 | 19.6 | 40.1 | 24.2 | 12.8 | 3.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-17 | 08/03/03 | 95.7 | 1,960 | 596.4 | 0.0 | 15.0 | 30.1 | 37.8 | 14.2 | 2.8 | 0.1 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 3,140 | 955.5 | 0.2 | 20.1 | 34.9 | 36.8 | 7.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 19,800 | 6,025.1 | 26.8 | 28.1 | 26.8 | 14.3 | 2.3 | 0.5 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 9,720 | 2,957.8 | 7.2 | 27.9 | 35.1 | 24.6 | 4.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-18 | 08/03/03 | 65.7 | 971 | 295.5 | 0.0 | 10.2 | 25.6 | 37.7 | 20.5 | 5.6 | 0.4 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 4,380 | 1,332.8 | 0.1 | 13.8 | 37.7 | 41.2 | 6.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,930 | 587.3 | 6.4 | 14.1 | 31.3 | 32.0 | 9.4 | 4.0 | 2.7 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 2,350 | 715.1 | 1.6 | 12.1 | 31.6 | 37.9 | 14.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-19 | 08/03/03 | 88.2 | 2,430 | 739.4 | 0.0 | 35.0 | 28.7 | 24.3 | 8.9 | 2.8 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 7,820 | 2,379.6 | 0.0 | 14.5 | 43.5 | 37.5 | 4.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 4,550 | 1,384.6 | 5.8 | 16.5 | 35.2 | 30.9 | 9.0 | 1.4 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5,480 | 1,667.6 | 4.2 | 19.5 | 34.7 | 31.2 | 9.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |

## Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-20 | 08/03/03 | 132.8 | 19,800 | 6,025.1 | 0.0 | 55.2 | 27.5 | 14.6 | 2.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 23,300 | 7,090.2 | 0.0 | 34.8 | 43.9 | 20.1 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 33,300 | 10,133.2 | 36.7 | 20.9 | 28.6 | 11.0 | 0.7 | 0.2 | 1.8 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 56,300 | 17,132.1 | 9.8 | 34.5 | 35.9 | 17.2 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-21 | 08/03/03 | 131.7 | 27,900 | 8,490.0 | 0.0 | 27.0 | 53.2 | 17.3 | 2.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 18,600 | 5,660.0 | 0.0 | 35.7 | 45.0 | 18.3 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,220 | 371.2 | 6.3 | 13.7 | 29.4 | 32.0 | 12.2 | 4.0 | 2.3 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 22,300 | 6,785.9 | 9.7 | 32.8 | 34.7 | 19.6 | 3.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-22 | 08/03/03 | 123.3 | 4,070 | 1,238.5 | 0.0 | 47.2 | 28.4 | 19.5 | 3.5 | 0.6 | 0.3 | 0.2 | 0.3 | 0.0 |
| | 12/22/04 | -- | 3,770 | 1,147.2 | 30.9 | 49.0 | 18.8 | 1.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 3,100 | 943.3 | 23.6 | 27.4 | 21.7 | 23.3 | 2.6 | 0.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 3,990 | 1,214.2 | 11.1 | 33.4 | 32.5 | 20.3 | 2.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-23 | 08/03/03 | 136.0 | 6,660 | 2,026.6 | 0.0 | 30.4 | 51.3 | 15.4 | 2.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 6,520 | 1,984.0 | 0.0 | 27.6 | 47.6 | 23.4 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 33,400 | 10,163.6 | 15.3 | 39.4 | 30.1 | 13.1 | 1.7 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 1,000 | 304.3 | 11.7 | 34.8 | 31.4 | 19.4 | 2.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-24 | 08/03/03 | 139.9 | 26,200 | 7,972.7 | 0.0 | 31.9 | 53.5 | 12.8 | 1.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 33,300 | 10,133.2 | 0.0 | 33.1 | 45.7 | 20.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 47,200 | 14,363.0 | 33.0 | 33.7 | 23.6 | 8.2 | 0.4 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 68,500 | 20,844.6 | 8.3 | 31.4 | 37.2 | 20.0 | 3.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-25 | 08/03/03 | 136.4 | 3,730 | 1,135.0 | 0.0 | 26.6 | 39.8 | 26.3 | 6.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 5,410 | 1,646.3 | 0.0 | 11.4 | 38.4 | 44.3 | 5.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,510 | 459.5 | 5.7 | 14.5 | 32.1 | 24.0 | 18.2 | 3.9 | 1.6 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 6,760 | 2,057.1 | 1.6 | 11.6 | 32.5 | 38.7 | 14.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |

## Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
## Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-26 | 08/03/03 | 144.6 | 9,160 | 2,787.4 | 0.0 | 32.6 | 37.4 | 24.9 | 4.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 5,920 | 1,801.5 | 0.0 | 21.7 | 38.9 | 34.4 | 4.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,980 | 602.5 | 10.7 | 19.2 | 32.8 | 27.0 | 6.7 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 8,010 | 2,437.4 | 8.9 | 31.1 | 30.8 | 21.9 | 6.6 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-27 | 08/03/03 | 142.5 | 77,400 | 23,552.8 | 0.0 | 31.7 | 55.3 | 11.5 | 1.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 6,350 | 1,932.3 | 0.1 | 29.3 | 43.0 | 24.3 | 3.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 6,040 | 1,838.0 | 11.7 | 23.5 | 33.8 | 22.7 | 6.5 | 1.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | | | | | | | | | | | | |
| MPE-28 | 08/03/03 | 162.1 | 25,900 | 7,881.4 | 0.0 | 27.4 | 52.3 | 17.2 | 2.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 15,300 | 4,655.8 | 0.0 | 26.6 | 50.9 | 20.9 | 1.4 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 34,500 | 10,498.4 | 21.5 | 31.9 | 30.1 | 11.9 | 2.7 | 0.2 | 1.7 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 22,800 | 6,938.0 | 4.6 | 23.2 | 38.7 | 28.1 | 5.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-29 | 08/03/03 | 160.4 | 7,710 | 2,346.2 | 0.0 | 13.7 | 53.7 | 24.7 | 6.8 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 3,400 | 1,034.6 | 1.2 | 14.0 | 40.3 | 39.1 | 4.9 | 0.4 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 14,400 | 4,381.9 | 14.2 | 26.7 | 34.2 | 19.8 | 4.3 | 0.5 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 29,900 | 9,098.6 | 0.9 | 8.6 | 29.4 | 42.6 | 16.5 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-30 | 08/03/03 | 154.6 | 59,200 | 18,014.6 | 0.0 | 29.0 | 54.8 | 14.6 | 1.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 26,400 | 8,033.5 | 0.0 | 30.9 | 44.9 | 22.8 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 37,600 | 11,441.7 | 18.5 | 31.8 | 33.0 | 14.1 | 2.1 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 23,900 | 7,272.8 | 7.7 | 29.0 | 36.5 | 21.2 | 5.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-31 | 08/03/03 | 256.2 | 17,000 | 5,173.1 | 0.0 | 11.4 | 33.1 | 48.3 | 6.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 18,500 | 5,629.6 | 0.0 | 28.5 | 43.5 | 25.3 | 2.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 45,800 | 13,936.9 | 38.6 | 33.7 | 19.6 | 6.6 | 0.3 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 15,300 | 4,655.8 | 8.4 | 31.7 | 34.3 | 20.3 | 4.7 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |

# Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
# Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| MPE-32 | 08/03/03 | 190.0 | 9,520 | 2,896.9 | 0.0 | 14.3 | 52.1 | 25.6 | 7.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 5,600 | 1,704.1 | 0.0 | 10.8 | 36.0 | 44.1 | 8.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 10,800 | 3,286.4 | 20.3 | 25.9 | 30.1 | 18.3 | 3.6 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 9,340 | 2,842.2 | 9.3 | 26.8 | 33.4 | 24.2 | 5.6 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-33 | 08/03/03 | 169.9 | 3,800 | 1,156.3 | 0.0 | 23.2 | 36.1 | 28.6 | 10.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 3,370 | 1,025.5 | 0.8 | 13.7 | 35.3 | 40.2 | 8.9 | 1.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 4,360 | 1,326.7 | 21.2 | 24.4 | 27.5 | 19.1 | 5.5 | 1.1 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 2,870 | 873.3 | 3.5 | 16.4 | 31.1 | 34.8 | 12.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-34 | 08/03/03 | 143.3 | 5,040 | 1,533.7 | 0.0 | 10.0 | 28.2 | 46.0 | 14.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 2,290 | 696.8 | 0.0 | 10.4 | 34.9 | 42.0 | 11.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,800 | 547.7 | 6.4 | 15.9 | 31.4 | 29.8 | 11.2 | 3.8 | 1.5 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 2,420 | 736.4 | 1.5 | 12.0 | 33.8 | 37.2 | 13.1 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-35 | 08/03/03 | 105.8 | 3,100 | 943.3 | 0.0 | 9.9 | 27.7 | 47.5 | 11.7 | 2.9 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,840 | 559.9 | 0.7 | 11.5 | 33.4 | 42.7 | 10.3 | 1.3 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 05/10/06 | -- | 1,040 | 316.5 | 6.2 | 13.5 | 28.9 | 30.9 | 12.7 | 5.1 | 2.6 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 1,190 | 362.1 | 1.1 | 8.9 | 27.9 | 40.0 | 17.9 | 4.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| MPE-36 | 08/03/03 | 113.1 | 2,500 | 760.8 | 0.0 | 22.3 | 33.5 | 29.3 | 11.7 | 2.9 | 0.3 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 1,600 | 486.9 | 0.8 | 11.2 | 31.7 | 43.1 | 11.3 | 1.7 | 0.0 | 0.2 | 0.0 | 0.0 |
| | 05/10/06 | -- | 850 | 258.7 | 6.2 | 13.5 | 28.9 | 23.3 | 17.8 | 6.7 | 3.5 | 0.0 | 0.1 | 0.0 |
| | 06/22/07 | -- | 1,530 | 465.6 | 5.1 | 20.7 | 30.2 | 29.6 | 11.9 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| MPE-37 | 08/03/03 | 90.7 | 2,050 | 623.8 | 0.0 | 16.9 | 32.1 | 30.7 | 9.7 | 3.7 | 3.3 | 1.9 | 1.5 | 0.2 |
| | 12/22/04 | -- | 1,480 | 450.4 | 0.2 | 10.3 | 31.7 | 42.1 | 12.8 | 2.3 | 0.3 | 0.3 | 0.0 | 0.0 |
| | 05/10/06 | -- | 660 | 200.8 | 5.0 | 13.5 | 29.7 | 22.6 | 19.3 | 8.0 | 1.9 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 770 | 234.3 | 1.1 | 9.0 | 27.2 | 38.4 | 18.8 | 5.2 | 0.3 | 0.0 | 0.0 | 0.0 |

## Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
### *Compressor Station No. 9 - Roswell, NM*

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| SVE-22 | 08/03/03 | 8.7 | 336 | 102.2 | 0.0 | 3.3 | 21.2 | 48.2 | 22.3 | 3.8 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 118 | 35.9 | 0.7 | 5.6 | 18.8 | 32.7 | 24.6 | 13.3 | 4.1 | 0.2 | 0.0 | 0.0 |
| SVE-23 | 08/03/03 | 8.4 | 53 | 16.2 | 0.0 | 4.2 | 25.2 | 41.5 | 19.0 | 7.3 | 2.5 | 0.1 | 0.2 | 0.0 |
| | 12/22/04 | -- | 433 | 131.8 | 1.9 | 13.7 | 39.3 | 30.7 | 11.9 | 1.4 | 0.0 | 0.9 | 0.2 | 0.0 |
| | 05/10/06 | -- | 716 | 217.9 | 4.1 | 8.7 | 26.8 | 37.8 | 16.3 | 3.9 | 2.4 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5.6 | 1.7 | 0.0 | 1.1 | 4.3 | 10.0 | 27.7 | 35.6 | 14.5 | 5.9 | 0.8 | 0.1 |
| SVE-24 | 08/03/03 | 4.7 | 17 | 5.1 | 0.0 | 1.0 | 8.8 | 32.6 | 30.1 | 20.0 | 7.5 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 780 | 237.4 | 1.4 | 11.2 | 32.0 | 43.9 | 10.0 | 1.2 | 0.0 | 0.2 | 0.1 | 0.0 |
| | 05/10/06 | -- | 812 | 247.1 | 5.6 | 1.6 | 21.0 | 44.6 | 23.6 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5.8 | 1.8 | 0.0 | 0.0 | 3.2 | 10.8 | 24.9 | 39.0 | 16.6 | 4.6 | 0.9 | 0.0 |
| SVE-25 | 08/03/03 | 62.1 | 1,270 | 386.5 | 0.0 | 12.7 | 31.2 | 36.7 | 15.0 | 4.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 309 | 94.0 | 0.8 | 9.5 | 29.5 | 45.0 | 12.7 | 2.2 | 0.0 | 0.2 | 0.1 | 0.0 |
| | 05/10/06 | -- | 161 | 49.0 | 5.5 | 10.7 | 14.4 | 35.4 | 20.0 | 11.0 | 2.9 | 0.1 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5.6 | 1.7 | 1.5 | 3.7 | 3.9 | 31.9 | 16.3 | 19.0 | 21.1 | 2.2 | 0.4 | 0.0 |
| SVE-26 | 08/03/03 | 51.5 | 880 | 267.8 | 0.0 | 12.6 | 31.1 | 36.9 | 15.0 | 4.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 85.8 | 26.1 | 0.7 | 5.7 | 18.8 | 32.7 | 23.5 | 13.7 | 4.7 | 0.2 | 0.0 | 0.0 |
| SVE-27 | 08/03/03 | 73.0 | 1,800 | 547.7 | 0.0 | 13.5 | 29.2 | 37.5 | 13.3 | 3.3 | 0.9 | 0.8 | 1.4 | 0.1 |
| | 12/22/04 | -- | 215 | 65.4 | 1.1 | 10.8 | 33.0 | 31.5 | 17.7 | 4.9 | 0.0 | 0.7 | 0.3 | 0.0 |
| | 05/10/06 | -- | 128 | 39.0 | 6.5 | 10.5 | 14.2 | 36.0 | 19.0 | 10.0 | 3.8 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5.2 | 1.6 | 0.0 | 0.4 | 4.2 | 16.6 | 25.6 | 31.4 | 16.6 | 4.3 | 0.7 | 0.2 |
| SVE-28 | 08/03/03 | 78.8 | 1,690 | 514.3 | 0.0 | 17.3 | 34.7 | 34.0 | 10.9 | 2.7 | 0.4 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 132 | 40.2 | 0.2 | 9.0 | 26.1 | 45.9 | 13.7 | 4.1 | 0.0 | 0.9 | 0.1 | 0.0 |
| | 05/10/06 | -- | 88 | 26.8 | 7.8 | 10.0 | 23.7 | 32.2 | 14.1 | 6.5 | 5.7 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 5.6 | 1.7 | 0.0 | 0.7 | 7.0 | 19.0 | 24.3 | 26.1 | 17.6 | 4.4 | 0.7 | 0.2 |

# Table 9. Summary of Vapor Sample Analyses for Invividual SVE Wells
# Compressor Station No. 9 - Roswell, NM

| Sample ID | Date | PID Readings | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ppm) | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| SVE-30 | 08/03/03 | 75.9 | 734 | 223.4 | 0.0 | 13.9 | 26.2 | 35.4 | 18.2 | 5.7 | 0.6 | 0.0 | 0.0 | 0.0 |
| | 12/22/04 | -- | 239 | 72.7 | 1.5 | 11.3 | 34.4 | 30.8 | 17.2 | 4.2 | 0.0 | 0.6 | 0.0 | 0.0 |
| | 05/10/06 | -- | 141 | 42.9 | 6.0 | 10.5 | 25.3 | 32.2 | 15.3 | 7.1 | 3.5 | 0.1 | 0.0 | 0.0 |
| | 06/22/07 | -- | 6.6 | 2.0 | 0.0 | 4.1 | 12.8 | 23.4 | 19.5 | 22.1 | 15.3 | 2.4 | 0.4 | 0.0 |
| SVE-31 | 08/03/03 | 78.8 | 1,470 | 447.3 | 0.0 | 18.0 | 32.6 | 33.3 | 12.1 | 3.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| | 06/22/07 | -- | 6.0 | 1.8 | 0.0 | 1.4 | 9.3 | 37.0 | 16.4 | 14.4 | 18.4 | 2.4 | 0.7 | 0.0 |

(a) Conversion Factor:
P = 1.00 atm, MW = 79 g/mole, R = 0.08205 L*atm/(K*mole), T = 293°K
C ppmv = C ug/L * ((R * T)/(MW*P))
C ppmv = C ug/L * 0.3043

## Table 10. Summary of Water Treatment System Analyses
## Compressor Station No. 9 - Roswell, NM

| Sample Point | Sampling Date | BTEX (ug/L) | | | | TPH (mg/L) | Other VOCs (ug/L) | | | Major Ions (mg/L) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | GRO (Gasoline Range) | Acetone | 2-Butanone | All Others | Phosphorus (As P) | Chloride | Sulfate | Nitrate (NO3 as N) | Fluoride | Calcium | Magnesium | Potassium | Sodium |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | none | none | NA | none | 250 | 600 | 10.0 | 1.6 | none | none | none | none |
| Post-Treatment | 09/29/03 | 2,600 | 8,200 | 450 | 3,500 | --- | < 2500 | < 2500 | ND | --- | 430 | 780 | < 0.1 | 1.2 | 520 | 140 | 4.3 | 340 |
| | 11/21/03 | 810 | 310 | 41 | 290 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/08/03 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/16/03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | < 25 | < 25 | ND | < 0.5 | 450 | 880 | < 0.1 | 1.5 | 310 | 99 | 2.6 | 190 |
| | 03/02/04 | 2.6 | < 1.0 | < 1.0 | < 1.0 | --- | 200 | 59 | ND | < 2.5 | 410 | 760 | < 0.5 | 1.7 | 320 | 110 | 2.3 | 190 |
| | 04/19/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.05 | 140 | 32 | ND | < 0.5 | 410 | 1,000 | < 0.1 | 1.7 | 470 | 130 | 2.7 | 200 |
| | 05/20/04 | 2.1 | < 1.0 | < 1.0 | < 1.0 | 0.06 | 50 | 20 | --- | < 0.5 | 410 | 1,000 | < 0.1 | 1.7 | 370 | 120 | 2.5 | 190 |
| | 07/13/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | 13 | < 10 | ND | < 0.5 | 400 | 1,100 | 1.1 | 2.1 | 410 | 110 | 2.1 | 180 |
| | 08/17/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | 72 | < 10 | ND | < 0.5 | 380 | 1,100 | < 0.1 | 2.6 | 430 | 130 | 2.7 | 200 |
| | 09/16/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | 61 | < 10 | ND | < 0.5 | 400 | 910 | < 0.1 | 1.9 | 380 | 120 | 2.2 | 190 |
| | 10/15/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | < 10 | < 10 | ND | < 0.5 | 390 | 770 | < 0.1 | 1.6 | 310 | 97 | 2.2 | 180 |
| | 11/15/04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | 36 | < 10 | ND | < 0.5 | 420 | 870 | < 0.1 | 1.7 | 370 | 110 | 2.2 | 190 |
| | 04/22/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.05 | 70 | 62 | ND | < 2.5 | 500 | 1,200 | < 0.5 | 2.1 | 500 | 150 | 2.8 | 190 |
| | 05/20/05 | 37 | 6.6 | < 1.0 | < 1.0 | 0.29 | 100 | 99 | ND | 1.4 | 400 | 430 | < 0.5 | 2.1 | 400 | 120 | 2.9 | 190 |
| | 07/15/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 420 | 1,000 | < 0.1 | 1.8 | 400 | 120 | 2.3 | 190 |
| | 08/22/05 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 400 | 1,200 | < 0.1 | 1.8 | 410 | 110 | 2.4 | 180 |
| | 03/13/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 0.072 | 93 | 82 | ND | < 0.5 | 390 | 1,100 | < 0.1 | 1.6 | 470 | 130 | 2.5 | 200 |
| | 04/17/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | 100 | < 10 | ND | < 0.5 | 380 | 1,100 | < 0.1 | 1.4 | 400 | 140 | 2.5 | 220 |
| | 05/18/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | 110 | 27 | ND | < 0.5 | 370 | 1,200 | < 0.5 | 1.6 | 430 | 130 | 2.2 | 190 |
| | 06/21/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | 79 | 30 | ND | < 0.5 | 390 | 1,200 | < 0.1 | 1.7 | 420 | 140 | 2.6 | 210 |
| | 07/31/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | < 10 | < 10 | ND | < 2.5 | 410 | 1,100 | < 0.5 | 1.4 | 450 | 140 | 2.4 | 200 |
| | 08/31/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 480 | 970 | < 0.5 | 1.6 | 380 | 130 | 2.2 | 210 |
| | 09/13/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 380 | 1,300 | 0.35 | 1.3 | 470 | 150 | 2.4 | 210 |
| | 10/17/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 410 | 1,400 | < 0.5 | 1.6 | 460 | 140 | 2.6 | 200 |
| | 11/09/06 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 370 | 1,300 | < 1.0 | 1.4 | 440 | 150 | 4.5 | 210 |
| | 04/24/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 440 | 1,100 | < 0.5 | 1.6 | 410 | 130 | 1.9 | 190 |
| | 05/30/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 410 | 1,300 | < 0.2 | 1.6 | 460 | 130 | 2.7 | 200 |
| | 07/31/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 0.05 | < 10 | < 10 | ND | < 2.5 | 420 | 1,000 | < 1.0 | 1.8 | 400 | 130 | 2.1 | 220 |
| | 08/21/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 0.05 | 110 | < 10 | ND | 0.92 | 440 | 880 | < 2.0 | 1.4 | 380 | 140 | 2.4 | 230 |
| | 11/20/07 | < 1.0 | < 1.0 | < 1.0 | < 1.5 | < 0.05 | < 10 | < 10 | ND | < 0.5 | 450 | 1,400 | < 1.1 | 2.0 | 370 | 130 | 2.9 | 220 |

## Table 10. Summary of Water Treatment System Analyses
## Compressor Station No. 9 - Roswell, NM

| Sample Point | Sampling Date | BTEX (ug/L) | | | | TPH (mg/L) | Other VOCs (ug/L) | | | Major Ions (mg/L) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | GRO (Gasoline Range) | Acetone | 2-Butanone | All Others | Phosphorus (As P) | Chloride | Sulfate | Nitrate (NO3 as N) | Fluoride | Calcium | Magnesium | Potassium | Sodium |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | none | none | NA | none | 250 | 600 | 10.0 | 1.6 | none | none | none | none |
| Between GACs | 04/19/04 | 7.3 | < 1.0 | < 1.0 | < 1.0 | 0.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/20/04 | 28 | 1.6 | < 1.0 | < 1.0 | 0.32 | 48 | 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/13/04 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/17/04 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/16/04 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/15/04 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/15/04 | 0.51 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/22/05 | 37 | 8.2 | 0.54 | 2.4 | 0.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/20/05 | 22.00 | < 8.7 | < 0.5 | < 1.8 | 0.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/15/05 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/05 | 0.62 | < 0.5 | < 0.5 | < 0.5 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/13/06 | 16 | 12 | < 1.0 | 4.1 | 0.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/17/06 | < 1 | < 1 | < 1 | < 1 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/18/06 | < 1 | < 1 | < 1 | < 3 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 06/21/06 | 1.1 | 1.3 | < 1 | < 3 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/06 | 1.6 | < 1 | < 1 | < 3 | 0.076 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/31/06 | < 1 | < 1 | < 1 | < 3 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/13/06 | < 1 | < 1 | < 1 | < 3 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/17/06 | 4.2 | 3.4 | < 1 | < 3 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/09/06 | 3.2 | 1.3 | < 1 | < 3 | 0.076 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/24/07 | 1.1 | < 1 | < 1 | < 2 | 0.120 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/30/07 | < 1 | < 1 | < 1 | < 2 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/07 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/21/07 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | 0.067 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/20/07 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## Table 10. Summary of Water Treatment System Analyses
## Compressor Station No. 9 - Roswell, NM

| Sample Point | Sampling Date | BTEX (ug/L) | | | | TPH (mg/L) | Other VOCs (ug/L) | | | Major Ions (mg/L) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | GRO (Gasoline Range) | Acetone | 2-Butanone | All Others | Phosphorus (As P) | Chloride | Sulfate | Nitrate (NO3 as N) | Fluoride | Calcium | Magnesium | Potassium | Sodium |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | none | none | NA | none | 250 | 600 | 10.0 | 1.6 | none | none | none | none |
| Post-Air Stripper | 04/19/04 | 180 | 220 | < 10 | 140 | 7.5 | --- | --- | ND | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/20/04 | 54 | 81 | 2.6 | 42 | 1.0 | 34 | < 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/13/04 | 9.4 | 13.0 | 2.1 | 7.6 | 0.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/17/04 | 3.9 | 7.7 | < 0.5 | 6.4 | 0.46 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/16/04 | 4.6 | 6.9 | < 1.0 | 4.3 | 0.23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/15/04 | 760 | 760 | 26 | 250 | 0.23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/15/04 | 86 | 100 | 5 | 57 | 1.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/22/05 | 850 | 710 | < 5.0 | 240 | 4.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/20/05 | 370 | 380 | 5 | 130 | 1.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/15/05 | 620 | 710 | 17 | 220 | 2.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/05 | 23 | 37 | 5.1 | 20 | 0.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/13/06 | 96 | 160 | 8.2 | 81 | 6.60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/17/06 | 43 | 91 | 7.7 | 46 | 0.73 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/18/06 | 35 | 70 | < 5.0 | 35 | 0.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 06/21/06 | 15 | 19 | 1.1 | 11 | 0.24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/06 | 38 | 55 | 2.9 | 29 | 0.78 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/31/06 | 63 | 79 | 3.3 | 43 | 1.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/13/06 | 71 | 120 | 2.8 | 54 | 1.10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/17/06 | 37 | 70 | 2.4 | 32 | 0.42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/09/06 | 38 | 88 | < 2.0 | 46 | 0.63 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/24/07 | 33 | 55 | < 2.0 | 30 | 0.60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/30/07 | < 1.0 | 1.1 | < 1.0 | < 2.0 | 0.37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/07 | 4.4 | 8.6 | < 1.0 | 5.1 | 0.15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/21/07 | 3.6 | 3.8 | < 1.0 | 3.7 | 0.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/20/07 | 75 | 1.6 | 9.5 | 38 | 0.45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## Table 10. Summary of Water Treatment System Analyses
## Compressor Station No. 9 - Roswell, NM

| Sample Point | Sampling Date | BTEX (ug/L) | | | | TPH (mg/L) | Other VOCs (ug/L) | | | Major Ions (mg/L) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | Toluene | Ethylbenzene | Xylenes (total) | GRO (Gasoline Range) | Acetone | 2-Butanone | All Others | Phosphorus (As P) | Chloride | Sulfate | Nitrate (NO3 as N) | Fluoride | Calcium | Magnesium | Potassium | Sodium |
| NMWQCC Standard: | | 10 | 750 | 750 | 620 | none | none | none | NA | none | 250 | 600 | 10.0 | 1.6 | none | none | none | none |
| Pre-Treatment | 07/13/04 | 6,900 | 8,500 | 280 | 2,600 | 37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/17/04 | 6,000 | 7,600 | 240 | 2,400 | 37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/16/04 | 6,200 | 8,100 | 360 | 2,600 | 37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/15/04 | 4,000 | 4,400 | 220 | 1,700 | 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/15/04 | 6,600 | 7,800 | 300 | 2,600 | 37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/22/05 | 4,200 | 4,100 | 81 | 2,200 | 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/20/05 | 3,400 | 2,700 | 160 | 2,000 | 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/15/05 | 4,800 | 5,900 | 260 | 2,300 | 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/05 | 6,200 | 7,700 | 250 | 2,600 | 35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/13/06 | 4,300 | 6,500 | 270 | 2,600 | 38 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/17/06 | 4,900 | 8,800 | 310 | 2,900 | 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/18/06 | 4,700 | 8,000 | < 250 | 2,900 | 44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 06/21/06 | 3,800 | 4,900 | 200 | 2,600 | 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/06 | 5,400 | 7,600 | 290 | 3,100 | 45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/31/06 | 4,200 | 5,200 | 190 | 2,300 | 44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 09/13/06 | 5,100 | 8,400 | 160 | 3,300 | 42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/17/06 | 3,900 | 6,900 | 130 | 2,700 | 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/09/06 | 7,800 | 24,000 | 400 | 7,200 | 80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/24/07 | 5,200 | 8,800 | 200 | 3,400 | 47 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 05/30/07 | 4,400 | 6,700 | < 100 | 3,800 | 46 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 07/31/07 | 3,800 | 7,000 | 340 | 3,000 | 39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/21/07 | 3,500 | 3,400 | 340 | 2,800 | 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/20/07 | 1,700 | 81 | 260 | 900 | 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES:
Only constituents detected in one or more groundwater samples are shown in this table
All results reported above the NMWQCC standard are shown in bold type
(---) A result for this constituent is not available
(a) Analyte present in method blank

## Table 11. Summary of Water Recovery and Water Irrigation Rates
## TWP Roswell Compressor Station Remediation Site

| Date | Time | Inspector | Meter reading (x100 gallons) | Irrigated Volume (gallons) | Cummulative Irrigated Volume (gallons) | Elapsed Time (days) | Cummulative Elapsed Time (days) | Average Recovery Rate (GPD) | Average Recovery Rate (GPM) | Reporting Month | Monthly Irrigation Volume (gallons) | Average Irrigation Rate for Reporting Month (GPD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/31/03 | 1200 | NA | 1,395 | 0 | 0 | 0 | 0 | – | – | | | |
| 01/11/04 | 1200 | CB | 1,395 | 0 | 0 | 0 | 0 | – | – | | | |
| 01/12/04 | 1200 | CB | 1,413 | 1,800 | 1,800 | 1.0 | 1.0 | 1800 | 1.25 | | | |
| 01/14/04 | 1200 | CB | 1459 | 4,600 | 6,400 | 2.0 | 3.0 | 2300 | 1.60 | | | |
| 01/31/04 | 1200 | NA | 1459 | 0 | 6,400 | 17.0 | 20.0 | 0 | 0.00 | January | 6400 | 206 |
| 02/09/04 | 1200 | CB | 1476 | 1,700 | 8,100 | 26.0 | 29.0 | 65 | 0.05 | | | |
| 02/17/04 | 1200 | CB | 1486 | 1,000 | 9,100 | 8.0 | 37.0 | 125 | 0.09 | | | |
| 02/18/04 | 1200 | CB | 1501 | 1,500 | 10,600 | 1.0 | 38.0 | 1500 | 1.04 | | | |
| 02/19/04 | 1200 | CB | 1535 | 3,400 | 14,000 | 1.0 | 39.0 | 3400 | 2.36 | | | |
| 02/20/04 | 1200 | CB | 1538 | 300 | 14,300 | 1.0 | 40.0 | 300 | 0.21 | | | |
| 02/21/04 | 1200 | CB | 1571 | 3,300 | 17,600 | 1.0 | 41.0 | 3300 | 2.29 | | | |
| 02/23/04 | 1200 | CB | 1611 | 4,000 | 21,600 | 2.0 | 43.0 | 2000 | 1.39 | | | |
| 02/26/04 | 1200 | CB | 1620 | 900 | 22,500 | 3.0 | 46.0 | 300 | 0.21 | | | |
| 02/29/04 | 1200 | NA | 1620 | 0 | 22,500 | 3.0 | 49.0 | 0 | 0.00 | February | 16100 | 555 |
| 03/02/04 | 1200 | CB | 1648 | 2,800 | 25,300 | 2.0 | 51.0 | 1400 | 0.97 | | | |
| 03/04/04 | 1200 | CB | 1717 | 6,900 | 32,200 | 2.0 | 53.0 | 3450 | 2.40 | | | |
| 03/31/04 | 1200 | NA | 1717 | 0 | 32,200 | 27.0 | 80.0 | 0 | 0.00 | March | 9700 | 313 |
| 04/15/04 | 1200 | CB | 1744 | 2,700 | 34,900 | 42.0 | 95.0 | 64 | 0.04 | | | |
| 04/16/04 | 1200 | CB | 1761 | 1,700 | 36,600 | 1.0 | 96.0 | 1700 | 1.18 | | | |
| 04/17/04 | 1200 | CB | 1779 | 1,800 | 38,400 | 1.0 | 97.0 | 1800 | 1.25 | | | |
| 04/18/04 | 1200 | CB | 1789 | 1,000 | 39,400 | 1.0 | 98.0 | 1000 | 0.69 | | | |
| 04/19/04 | 1200 | CB | 1804 | 1,500 | 40,900 | 1.0 | 99.0 | 1500 | 1.04 | | | |
| 04/20/04 | 1200 | CB | 1817 | 1,300 | 42,200 | 1.0 | 100.0 | 1300 | 0.90 | | | |
| 04/21/04 | 1200 | CB | 1834 | 1,700 | 43,900 | 1.0 | 101.0 | 1700 | 1.18 | | | |
| 04/24/04 | 1200 | CB | 1860 | 2,600 | 46,500 | 3.0 | 104.0 | 867 | 0.60 | | | |
| 04/26/04 | 1200 | CB | 1890 | 3,000 | 49,500 | 2.0 | 106.0 | 1500 | 1.04 | | | |
| 04/28/04 | 1200 | CB | 1936 | 4,600 | 54,100 | 2.0 | 108.0 | 2300 | 1.60 | | | |
| 04/30/04 | 1200 | CB | 1990 | 5,400 | 59,500 | 2.0 | 110.0 | 2700 | 1.88 | April | 27300 | 910 |
| 05/01/04 | 1200 | CB | 2014 | 2,400 | 61,900 | 1.0 | 111.0 | 2400 | 1.67 | | | |
| 05/04/04 | 1200 | CB | 2070 | 5,600 | 67,500 | 3.0 | 114.0 | 1867 | 1.30 | | | |
| 05/05/04 | 1200 | CB | 2099 | 2,900 | 70,400 | 1.0 | 115.0 | 2900 | 2.01 | | | |
| 05/07/04 | 1200 | CB | 2141 | 4,200 | 74,600 | 2.0 | 117.0 | 2100 | 1.46 | | | |
| 05/08/04 | 1200 | CB | 2142 | 100 | 74,700 | 1.0 | 118.0 | 100 | 0.07 | | | |
| 05/10/04 | 1200 | CB | 2143 | 100 | 74,800 | 2.0 | 120.0 | 50 | 0.03 | | | |
| 05/12/04 | 1200 | CB | 2163 | 2,000 | 76,800 | 2.0 | 122.0 | 1000 | 0.69 | | | |
| 05/15/04 | 1200 | CB | 2235 | 7,200 | 84,000 | 3.0 | 125.0 | 2400 | 1.67 | | | |
| 05/18/04 | 1200 | CB | 2238 | 300 | 84,300 | 3.0 | 128.0 | 100 | 0.07 | | | |
| 05/19/04 | 1200 | CB | 2263 | 2,500 | 86,800 | 1.0 | 129.0 | 2500 | 1.74 | | | |
| 05/20/04 | 1200 | CB | 2277 | 1,400 | 88,200 | 1.0 | 130.0 | 1400 | 0.97 | | | |
| 05/23/04 | 1200 | CB | 2279 | 200 | 88,400 | 3.0 | 133.0 | 67 | 0.05 | | | |
| 05/24/04 | 1200 | CB | 2303 | 2,400 | 90,800 | 1.0 | 134.0 | 2400 | 1.67 | May | 31300 | 1304 |

## Table 11. Summary of Water Recovery and Water Irrigation Rates
## TWP Roswell Compressor Station Remediation Site

| Date | Time | Inspector | Meter reading (x100 gallons) | Irrigated Volume (gallons) | Cummulative Irrigated Volume (gallons) | Elapsed Time (days) | Cummulative Elapsed Time (days) | Average Recovery Rate (GPD) | Average Recovery Rate (GPM) | Reporting Month | Monthly Irrigation Volume (gallons) | Average Irrigation Rate for Reporting Month (GPD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/01/04 | 1200 | CB | 2349 | 4,600 | 95,400 | 8.0 | 142.0 | 575 | 0.40 | | | |
| 06/03/04 | 1200 | CB | 2373 | 2,400 | 97,800 | 1.0 | 143.0 | 2400 | 1.67 | | | |
| 06/04/04 | 1200 | CB | 2382 | 900 | 98,700 | 11.0 | 154.0 | 82 | 0.06 | | | |
| 06/23/04 | 1200 | CB | 2406 | 2,400 | 101,100 | 19.0 | 173.0 | 126 | 0.09 | | | |
| 06/24/04 | 1200 | CB | 2423 | 1,700 | 102,800 | 1.0 | 174.0 | 1700 | 1.18 | | | |
| 06/25/04 | 1200 | CB | 2453 | 3,000 | 105,800 | 1.0 | 175.0 | 3000 | 2.08 | | | |
| 06/26/04 | 1200 | CB | 2477 | 2,400 | 108,200 | 1.0 | 176.0 | 2400 | 1.67 | | | |
| 06/27/04 | 1200 | CB | 2507 | 3,000 | 111,200 | 1.0 | 177.0 | 3000 | 2.08 | | | |
| 06/28/04 | 1200 | CB | 2509 | 200 | 111,400 | 1.0 | 178.0 | 200 | 0.14 | June | 20600 | 589 |
| 07/04/04 | 1200 | CB | 2533 | 2,400 | 113,800 | 6.0 | 184.0 | 400 | 0.28 | | | |
| 07/06/04 | 1200 | CB | 2596 | 6,300 | 120,100 | 2.0 | 186.0 | 3150 | 2.19 | | | |
| 07/11/04 | 1200 | CB | 2659 | 6,300 | 126,400 | 5.0 | 191.0 | 1260 | 0.88 | | | |
| 07/13/04 | 1200 | CB | 2686 | 2,700 | 129,100 | 2.0 | 193.0 | 1350 | 0.94 | | | |
| 07/16/04 | 1200 | CB | 2764 | 7,800 | 136,900 | 3.0 | 196.0 | 2600 | 1.81 | | | |
| 07/21/04 | 1200 | CB | 2781 | 1,700 | 138,600 | 5.0 | 201.0 | 340 | 0.24 | | | |
| 07/24/04 | 1200 | CB | 2863 | 8,200 | 146,800 | 3.0 | 204.0 | 2733 | 1.90 | | | |
| 07/26/04 | 1200 | CB | 2897 | 3,400 | 150,200 | 2.0 | 206.0 | 1700 | 1.18 | | | |
| 07/28/04 | 1200 | CB | 2928 | 3,100 | 153,300 | 2.0 | 208.0 | 1550 | 1.08 | | | |
| 07/31/04 | 1200 | CB | 3010 | 8,200 | 161,500 | 3.0 | 211.0 | 2733 | 1.90 | July | 50100 | 1518 |
| 08/02/04 | 1200 | CB | 3047 | 3,700 | 165,200 | 2.0 | 213.0 | 1850 | 1.28 | | | |
| 08/05/04 | 1200 | CB | 3099 | 5,200 | 170,400 | 3.0 | 216.0 | 1733 | 1.20 | | | |
| 08/09/04 | 1200 | CB | 3146 | 4,700 | 175,100 | 4.0 | 220.0 | 1175 | 0.82 | | | |
| 08/12/04 | 1200 | CB | 3166 | 2,000 | 177,100 | 3.0 | 223.0 | 667 | 0.46 | | | |
| 08/14/04 | 1200 | CB | 3177 | 1,100 | 178,200 | 2.0 | 225.0 | 550 | 0.38 | | | |
| 08/17/04 | 1200 | CB | 3192 | 1,500 | 179,700 | 3.0 | 228.0 | 500 | 0.35 | August | 18200 | 1071 |
| 09/13/04 | 1200 | CB | 3239 | 4,700 | 184,400 | 27.0 | 255.0 | 174 | 0.12 | | | |
| 09/16/04 | 1200 | CB | 3279 | 4,000 | 188,400 | 3.0 | 258.0 | 1333 | 0.93 | | | |
| 09/19/04 | 1200 | CB | 3348 | 6,900 | 195,300 | 3.0 | 261.0 | 2300 | 1.60 | | | |
| 09/23/04 | 1200 | CB | 3409 | 6,100 | 201,400 | 4.0 | 265.0 | 1525 | 1.06 | | | |
| 09/26/04 | 1200 | CB | 3463 | 5,400 | 206,800 | 3.0 | 268.0 | 1800 | 1.25 | | | |
| 09/30/04 | 1200 | CB | 3544 | 8,100 | 214,900 | 4.0 | 272.0 | 2025 | 1.41 | September | 35200 | 800 |
| 10/03/04 | 1200 | CB | 3547 | 300 | 215,200 | 3.0 | 275.0 | 100 | 0.07 | | | |
| 10/06/04 | 1200 | CB | 3572 | 2,500 | 217,700 | 3.0 | 278.0 | 833 | 0.58 | | | |
| 10/09/04 | 1200 | CB | 3639 | 6,700 | 224,400 | 3.0 | 281.0 | 2233 | 1.55 | | | |
| 10/13/04 | 1200 | CB | 3671 | 3,200 | 227,600 | 4.0 | 285.0 | 800 | 0.56 | | | |
| 10/17/04 | 1200 | CB | 3675 | 400 | 228,000 | 4.0 | 289.0 | 100 | 0.07 | | | |
| 10/20/04 | 1200 | CB | 3776 | 10,100 | 238,100 | 3.0 | 292.0 | 3367 | 2.34 | | | |
| 10/27/04 | 1200 | CB | 3850 | 7,400 | 245,500 | 7.0 | 299.0 | 1057 | 0.73 | | | |
| 11/07/04 | 1200 | CB | 3875 | 2,500 | 248,000 | 11.0 | 310.0 | 227 | 0.16 | | | |
| 11/14/04 | 1200 | CB | 3906 | 3,100 | 251,100 | 7.0 | 317.0 | 443 | 0.31 | | | |
| 11/16/04 | 1200 | CB | 3910 | 400 | 251,500 | 2.0 | 319.0 | 200 | 0.14 | | | |
| 11/30/04 | 1200 | CB | 3910 | 0 | 251,500 | 14.0 | 333.0 | 0 | 0.00 | November | 36600 | 600 |

## Table 11. Summary of Water Recovery and Water Irrigation Rates
## TWP Roswell Compressor Station Remediation Site

| Date | Time | Inspector | Meter reading (x100 gallons) | Irrigated Volume (gallons) | Cummulative Irrigated Volume (gallons) | Elapsed Time (days) | Cummulative Elapsed Time (days) | Average Recovery Rate (GPD) | Average Recovery Rate (GPM) | Reporting Month | Monthly Irrigation Volume (gallons) | Average Irrigation Rate for Reporting Month (GPD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/08/05 | 1200 | CB | 3917 | 700 | 252,200 | 98.0 | 431.0 | 7 | 0.00 | | | |
| 03/14/05 | 1200 | CB | 4052 | 13,500 | 265,700 | 6.0 | 437.0 | 2250 | 1.56 | | | |
| 03/22/05 | 1200 | CB | 4206 | 15,400 | 281,100 | 8.0 | 445.0 | 1925 | 1.34 | | | |
| 03/24/05 | 1200 | CB | 4296 | 9,000 | 290,100 | 2.0 | 447.0 | 4500 | 3.13 | March | 38600 | 339 |
| 04/02/05 | 1200 | CB | 4326 | 3,000 | 293,100 | 9.0 | 456.0 | 333 | 0.23 | | | |
| 04/07/05 | 1200 | CB | 4388 | 6,200 | 299,300 | 5.0 | 461.0 | 1240 | 0.86 | | | |
| 04/07/05 | 1200 | CB | 746 (a) | 0 | 299,300 | 0.0 | 461.0 | 0 | 0.00 | | | |
| 04/10/05 | 1200 | CB | 1669 | 923 | 300,223 | 3.0 | 464.0 | 308 | 0.21 | | | |
| 04/14/05 | 1200 | CB | 2758 | 1,089 | 301,312 | 4.0 | 468.0 | 272 | 0.19 | | | |
| 04/27/05 | 1200 | CB | 4147 | 1,389 | 302,701 | 13.0 | 481.0 | 107 | 0.07 | April | 12601 | 371 |
| 05/02/05 | 1200 | CB | 5638 | 1,491 | 304,192 | 5.0 | 486.0 | 298 | 0.21 | | | |
| 05/08/05 | 1200 | CB | 6164 | 526 | 304,718 | 6.0 | 492.0 | 88 | 0.06 | | | |
| 05/20/05 | 1200 | CB | 6927 | 763 | 305,481 | 12.0 | 504.0 | 64 | 0.04 | | | |
| 05/25/05 | 1200 | CB | 7355 | 428 | 305,909 | 5.0 | 509.0 | 86 | 0.06 | May | 3208 | 115 |
| 06/09/05 | 1200 | CB | 7596 | 241 | 306,150 | 15.0 | 524.0 | 16 | 0.01 | | | |
| 06/14/05 | 1200 | CB | 7696 | 100 | 306,250 | 5.0 | 529.0 | 20 | 0.01 | | | |
| 06/24/05 | 1200 | CB | 7871 | 175 | 306,425 | 10.0 | 539.0 | 18 | 0.01 | | | |
| 06/27/05 | 1200 | CB | 8180 | 309 | 306,734 | 3.0 | 542.0 | 103 | 0.07 | June | 825 | 25 |
| 07/03/05 | 1200 | CB | 8490 | 310 | 307,044 | 6.0 | 548.0 | 52 | 0.04 | | | |
| 07/10/05 | 1200 | CB | 10083 | 1,593 | 308,637 | 7.0 | 555.0 | 228 | 0.16 | | | |
| 07/15/05 | 1200 | CB | 11124 | 1,041 | 309,678 | 5.0 | 560.0 | 208 | 0.14 | | | |
| 07/19/05 | 1200 | CB | 11811 | 687 | 310,365 | 4.0 | 564.0 | 172 | 0.12 | | | |
| 07/26/05 | 1200 | CB | 12520 | 709 | 311,074 | 7.0 | 571.0 | 101 | 0.07 | | | |
| 07/31/05 | 1200 | CB | 14034 | 1,514 | 312,588 | 5.0 | 576.0 | 303 | 0.21 | July | 5854 | 172 |
| 08/03/05 | 1200 | CB | 14763 | 729 | 313,317 | 3.0 | 579.0 | 243 | 0.17 | | | |
| 08/09/05 | 1200 | CB | 16096 | 1,333 | 314,650 | 6.0 | 585.0 | 222 | 0.15 | | | |
| 08/15/05 | 1200 | CB | 16394 | 298 | 314,948 | 6.0 | 591.0 | 50 | 0.03 | | | |
| 08/21/05 | 1200 | CB | 18395 | 2,001 | 316,949 | 6.0 | 597.0 | 334 | 0.23 | | | |
| 08/29/05 | 1200 | CB | 19877 | 1,482 | 318,431 | 8.0 | 605.0 | 185 | 0.13 | August | 5843 | 201 |
| 10/18/05 | 1200 | CB | 20094 | 217 | 318,648 | 50.0 | 655.0 | 4 | 0.00 | | | |
| 10/24/05 | 1200 | CB | 20745 | 651 | 319,299 | 6.0 | 661.0 | 109 | 0.08 | | | |
| 10/29/05 | 1200 | CB | 20792 | 47 | 319,346 | 5.0 | 666.0 | 9 | 0.01 | October | 915 | 15 |
| 11/01/05 | 1200 | CB | 21599 | 807 | 320,153 | 3.0 | 669.0 | 269 | 0.19 | | | |
| 11/05/05 | 1200 | CB | 22430 | 831 | 320,984 | 4.0 | 673.0 | 208 | 0.14 | | | |
| 11/15/05 | 1200 | CB | 23895 | 1,465 | 322,449 | 10.0 | 683.0 | 147 | 0.10 | November | 3103 | 183 |
| 03/08/06 | 1200 | CB | 24255 | 360 | 322,809 | 113.0 | 796.0 | 3 | 0.00 | | | |
| 03/13/06 | 1200 | CB | 25811 | 1,556 | 324,365 | 5.0 | 801.0 | 311 | 0.22 | | | |
| 03/19/06 | 1200 | CB | 27236 | 1,425 | 325,790 | 6.0 | 807.0 | 238 | 0.16 | March | 3341 | 27 |
| 04/03/06 | 1200 | CB | 28663 | 1,427 | 327,217 | 15.0 | 822.0 | 95 | 0.07 | | | |
| 04/10/06 | 1200 | CB | 30071 | 1,408 | 328,625 | 7.0 | 829.0 | 201 | 0.14 | | | |
| 04/17/06 | 1200 | CB | 32017 | 1,946 | 330,571 | 7.0 | 836.0 | 278 | 0.19 | | | |
| 04/25/06 | 1200 | CB | 34228 | 2,211 | 332,782 | 8.0 | 844.0 | 276 | 0.19 | | | |
| 04/27/06 | 1200 | CB | 34373 | 145 | 332,927 | 2.0 | 846.0 | 73 | 0.05 | April | 7137 | 183 |

## Table 11. Summary of Water Recovery and Water Irrigation Rates
## TWP Roswell Compressor Station Remediation Site

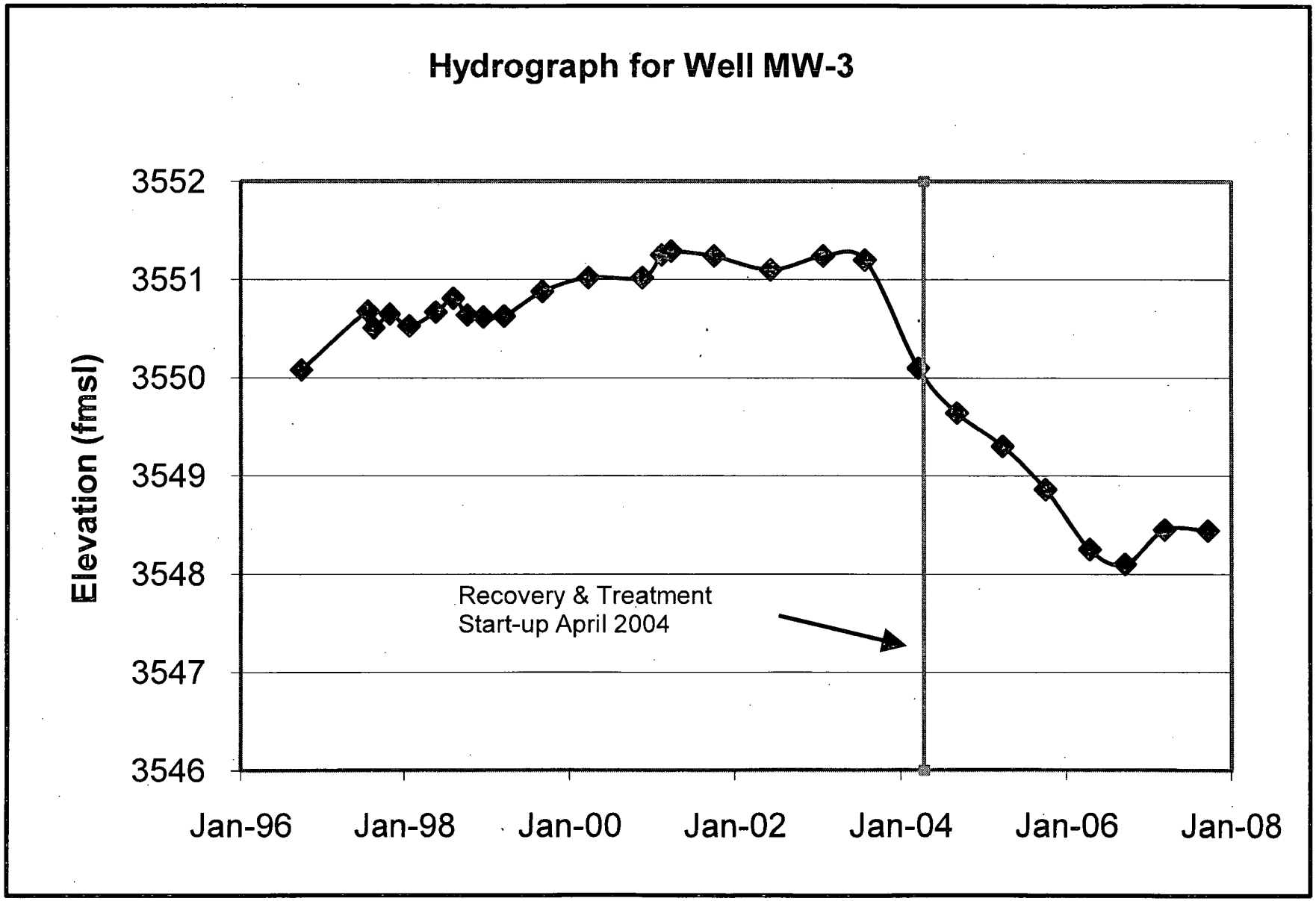
| Date | Time | Inspector | Meter reading (x100 gallons) | Irrigated Volume (gallons) | Cummulative Irrigated Volume (gallons) | Elapsed Time (days) | Cummulative Elapsed Time (days) | Average Recovery Rate (GPD) | Average Recovery Rate (GPM) | Reporting Month | Monthly Irrigation Volume (gallons) | Average Irrigation Rate for Reporting Month (GPD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05/10/06 | 1200 | CB | 34477 | 104 | 333,031 | 13.0 | 859.0 | 8 | 0.01 | | | |
| 05/15/06 | 1200 | CB | 35632 | 1,155 | 334,186 | 5.0 | 864.0 | 231 | 0.16 | | | |
| 05/23/06 | 1200 | CB | 37811 | 2,179 | 336,365 | 8.0 | 872.0 | 272 | 0.19 | | | |
| 05/29/06 | 1200 | CB | 38547 | 736 | 337,101 | 6.0 | 878.0 | 123 | 0.09 | | | |
| 05/31/06 | 1200 | CB | 39072 | 525 | 337,626 | 2.0 | 880.0 | 263 | 0.18 | May | 4699 | 138 |
| 06/04/06 | 1200 | CB | 40158 | 1,086 | 338,712 | 4.0 | 884.0 | 272 | 0.19 | | | |
| 06/08/06 | 1200 | CB | 41094 | 936 | 339,648 | 4.0 | 888.0 | 234 | 0.16 | | | |
| 06/13/06 | 1200 | CB | 42289 | 1,195 | 340,843 | 5.0 | 893.0 | 239 | 0.17 | | | |
| 06/19/06 | 1200 | CB | 43439 | 1,150 | 341,993 | 6.0 | 899.0 | 192 | 0.13 | | | |
| 06/23/06 | 1200 | CB | 44061 | 622 | 342,615 | 4.0 | 903.0 | 156 | 0.11 | | | |
| 06/30/06 | 1200 | CB | 45334 | 1,273 | 343,888 | 7.0 | 910.0 | 182 | 0.13 | June | 6262 | 209 |
| 07/03/06 | 1200 | CB | 45518 | 184 | 344,072 | 3.0 | 913.0 | 61 | 0.04 | | | |
| 07/10/06 | 1200 | CB | 45540 | 22 | 344,094 | 7.0 | 920.0 | 3 | 0.00 | | | |
| 07/17/06 | 1200 | CB | 45906 | 366 | 344,460 | 7.0 | 927.0 | 52 | 0.04 | | | |
| 07/20/06 | 1200 | CB | 46447 | 541 | 345,001 | 3.0 | 930.0 | 180 | 0.13 | | | |
| 07/26/06 | 1200 | CB | 47501 | 1,054 | 346,055 | 6.0 | 936.0 | 176 | 0.12 | | | |
| 07/31/06 | 1200 | CB | 48309 | 808 | 346,863 | 5.0 | 941.0 | 162 | 0.11 | July | 2975 | 96 |
| 08/03/06 | 1200 | CB | 48791 | 482 | 347,345 | 3.0 | 944.0 | 161 | 0.11 | | | |
| 08/08/06 | 1200 | CB | 49528 | 737 | 348,082 | 5.0 | 949.0 | 147 | 0.10 | | | |
| 08/14/06 | 1200 | CB | 50303 | 775 | 348,857 | 6.0 | 955.0 | 129 | 0.09 | | | |
| 08/22/06 | 1200 | CB | 50434 | 131 | 348,988 | 8.0 | 963.0 | 16 | 0.01 | | | |
| 08/31/06 | 1200 | CB | 50614 | 180 | 349,168 | 9.0 | 972.0 | 20 | 0.01 | August | 2305 | 74 |
| 09/05/06 | 1200 | CB | 51220 | 606 | 349,774 | 5.0 | 977.0 | 121 | 0.08 | | | |
| 09/08/06 | 1200 | CB | 51942 | 722 | 350,496 | 3.0 | 980.0 | 241 | 0.17 | | | |
| 09/13/06 | 1200 | CB | 53099 | 1,157 | 351,653 | 5.0 | 985.0 | 231 | 0.16 | | | |
| 09/24/06 | 1200 | CB | 53661 | 562 | 352,215 | 11.0 | 996.0 | 51 | 0.04 | | | |
| 10/01/06 | 1200 | CB | 55107 | 1,446 | 353,661 | 7.0 | 1003.0 | 207 | 0.14 | September | 4493 | 145 |
| 10/11/06 | 1200 | CB | 56608 | 1,501 | 355,162 | 10.0 | 1013.0 | 150 | 0.10 | | | |
| 10/17/06 | 1200 | CB | 57047 | 439 | 355,601 | 6.0 | 1019.0 | 73 | 0.05 | | | |
| 10/23/06 | 1200 | CB | 58171 | 1,124 | 356,725 | 6.0 | 1025.0 | 187 | 0.13 | | | |
| 10/30/06 | 1200 | CB | 59416 | 1,245 | 357,970 | 7.0 | 1032.0 | 178 | 0.12 | October | 4309 | 149 |
| 11/03/06 | 1200 | CB | 60133 | 717 | 358,687 | 4.0 | 1036.0 | 179 | 0.12 | | | |
| 11/08/06 | 1200 | CB | 61185 | 1,052 | 359,739 | 5.0 | 1041.0 | 210 | 0.15 | | | |
| 11/15/06 | 1200 | CB | 62297 | 1,112 | 360,851 | 7.0 | 1048.0 | 159 | 0.11 | November | 2881 | 180 |
| 04/12/07 | 1200 | CB | 62303 | 6 | 360,857 | 148.0 | 1196.0 | 0 | 0.00 | | | |
| 04/15/07 | 1200 | CB | 62389 | 86 | 360,943 | 3.0 | 1199.0 | 29 | 0.02 | | | |
| 04/20/07 | 1200 | CB | 62913 | 524 | 361,467 | 5.0 | 1204.0 | 105 | 0.07 | | | |
| 04/24/07 | 1200 | CB | 63259 | 346 | 361,813 | 4.0 | 1208.0 | 87 | 0.06 | | | |
| 05/02/07 | 1200 | CB | 63970 | 711 | 362,524 | 8.0 | 1216.0 | 89 | 0.06 | April | 1673 | 10 |
| 05/05/07 | 1200 | CB | 64122 | 152 | 362,676 | 3.0 | 1219.0 | 51 | 0.04 | | | |
| 05/07/07 | 1200 | CB | 64137 | 15 | 362,691 | 2.0 | 1221.0 | 8 | 0.01 | | | |
| 05/09/07 | 1200 | CB | 64139 | 2 | 362,693 | 2.0 | 1223.0 | 1 | 0.00 | | | |
| 05/29/07 | 1200 | CB | 64862 | 723 | 363,416 | 20.0 | 1243.0 | 36 | 0.03 | | | |
| 05/30/07 | 1200 | CB | 65028 | 166 | 363,582 | 1.0 | 1244.0 | 166 | 0.12 | May | 1058 | 38 |

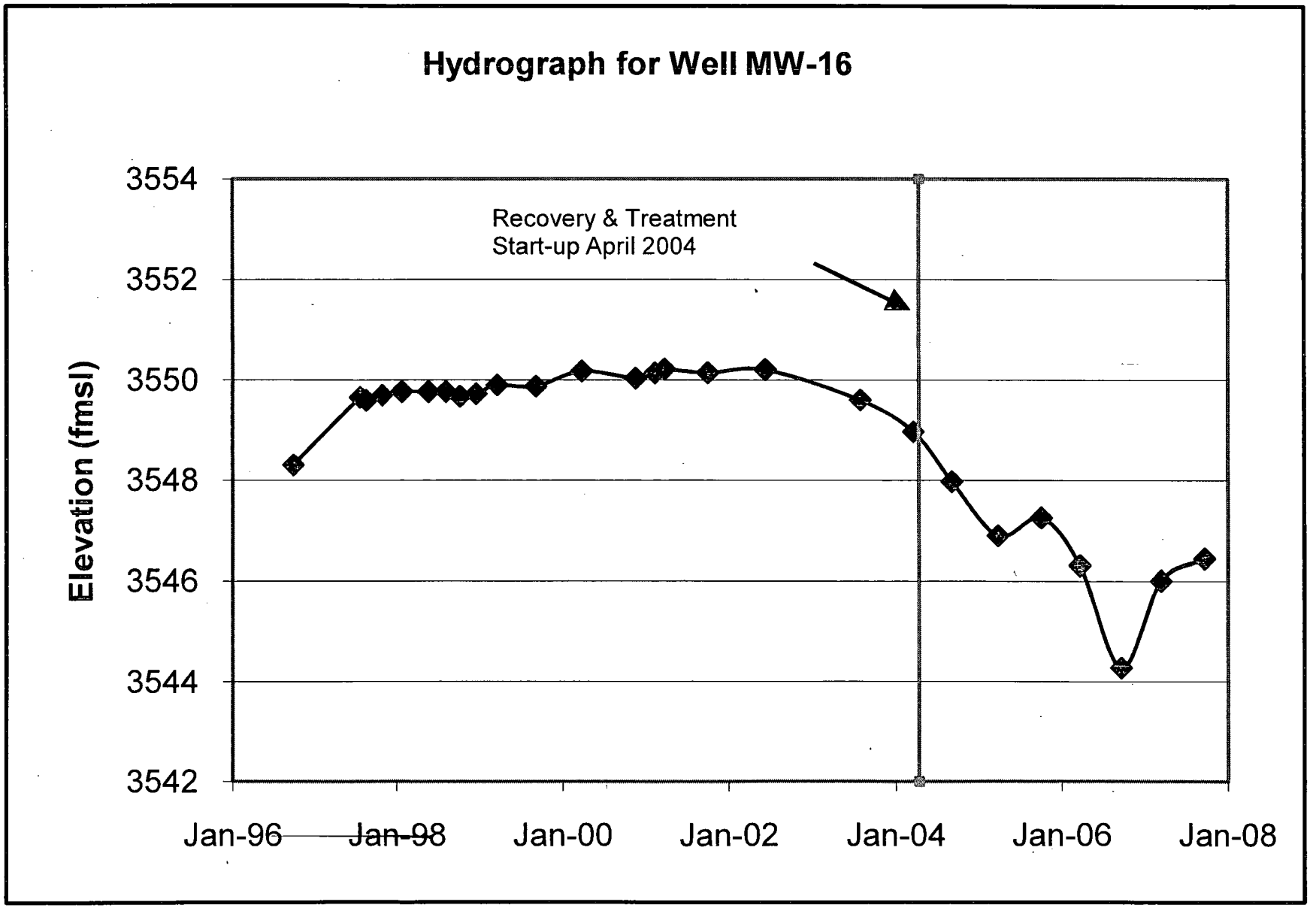
## Table 11. Summary of Water Recovery and Water Irrigation Rates
## TWP Roswell Compressor Station Remediation Site

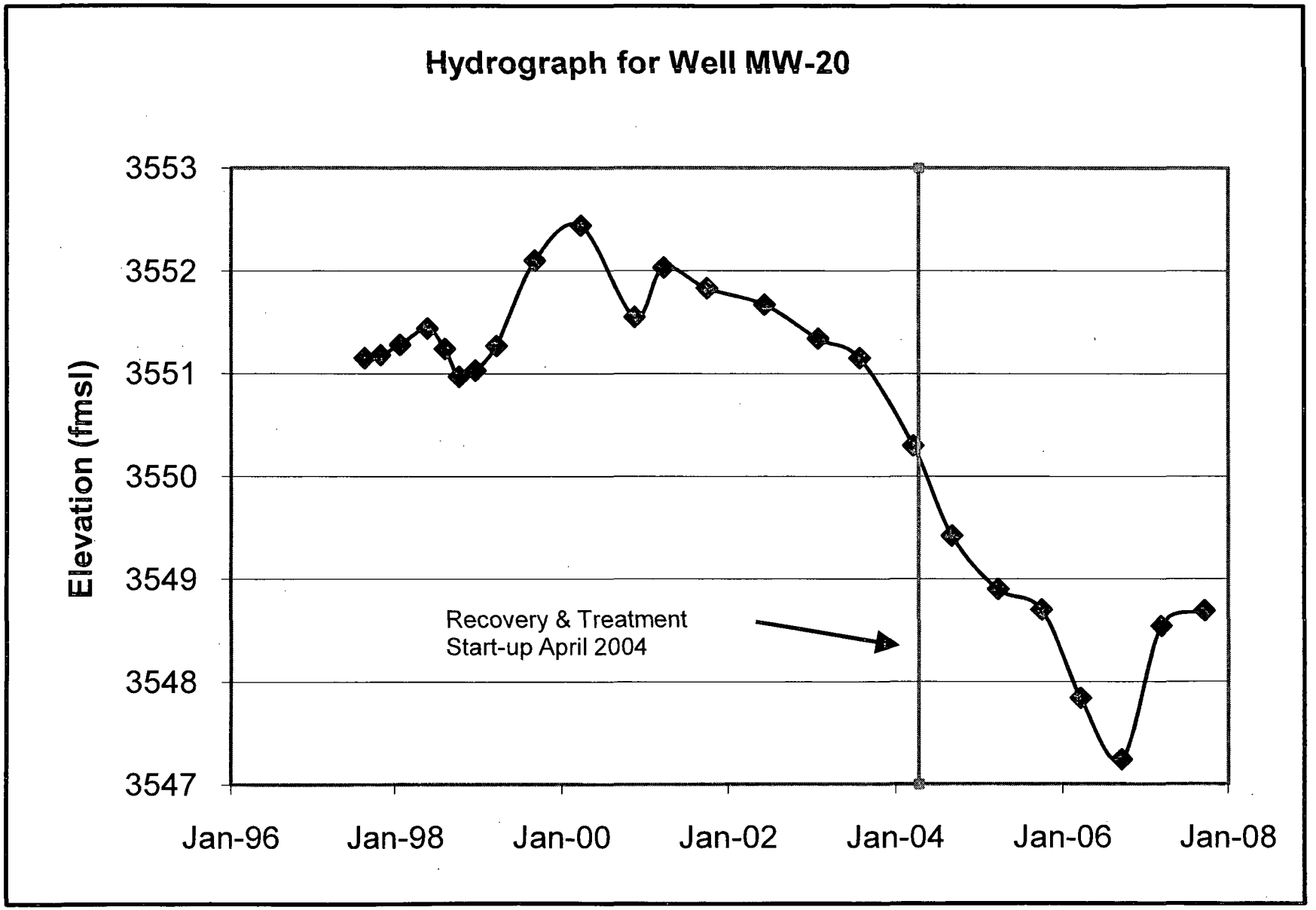
| Date | Time | Inspector | Meter reading (x100 gallons) | Irrigated Volume (gallons) | Cummulative Irrigated Volume (gallons) | Elapsed Time (days) | Cummulative Elapsed Time (days) | Average Recovery Rate (GPD) | Average Recovery Rate (GPM) | Reporting Month | Monthly Irrigation Volume (gallons) | Average Irrigation Rate for Reporting Month (GPD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/05/07 | 1200 | CB | 66500 | 1,472 | 365,054 | 6.0 | 1250.0 | 245 | 0.17 | | | |
| 06/13/07 | 1200 | CB | 67452 | 952 | 366,006 | 8.0 | 1258.0 | 119 | 0.08 | | | |
| 06/18/07 | 1200 | CB | 67510 | 58 | 366,064 | 5.0 | 1263.0 | 12 | 0.01 | | | |
| 06/21/07 | 1200 | CB | 67511 | 1 | 366,065 | 3.0 | 1266.0 | 0 | 0.00 | June | 2483 | 113 |
| 07/17/07 | 1200 | CB | 67568 | 57 | 366,122 | 26.0 | 1292.0 | 2 | 0.00 | | | |
| 07/24/07 | 1200 | CB | 68270 | 702 | 366,824 | 7.0 | 1299.0 | 100 | 0.07 | | | |
| 07/31/07 | 1200 | CB | 68937 | 667 | 367,491 | 7.0 | 1306.0 | 95 | 0.07 | July | 1426 | 36 |
| 08/06/07 | 1200 | CB | 69354 | 417 | 367,908 | 6.0 | 1312.0 | 70 | 0.05 | | | |
| 08/11/07 | 1200 | CB | 69723 | 369 | 368,277 | 5.0 | 1317.0 | 74 | 0.05 | | | |
| 08/16/07 | 1200 | CB | 70066 | 343 | 368,620 | 5.0 | 1322.0 | 69 | 0.05 | | | |
| 08/21/07 | 1200 | CB | 70352 | 286 | 368,906 | 5.0 | 1327.0 | 57 | 0.04 | | | |
| 08/27/07 | 1200 | CB | 71317 | 965 | 369,871 | 6.0 | 1333.0 | 161 | 0.11 | August | 2380 | 88 |

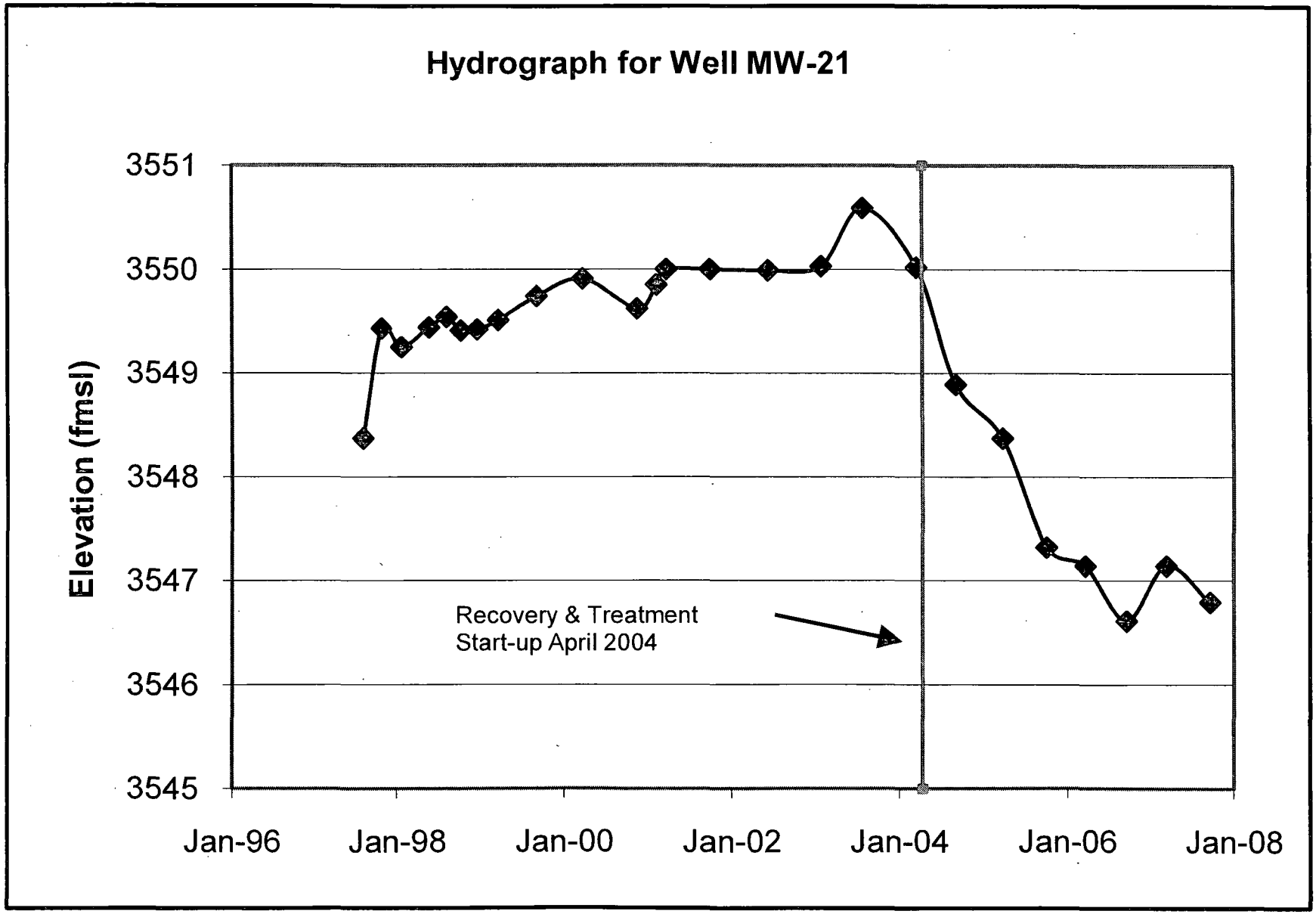
NOTES:
(a) Replaced meter on 040705 (initial reading = 746 gallons)
Meter Reading (x100gallons) = Reading taken on site up to 040705
Irrigated Volume (gallons) = Difference between prior meter reading and current meter reading (gallons)
Cummulative Irrigated Volume (gallons) = Cummulative sum of Irrigated Volume (gallons) calculated for all prior periods
Elapsed Time (days) = Calculated number of days from the prior date and time
Cummulative Elapsed Time (days) = Cummulative sum of Elapsed Time (days)
Average Recovery Rate (GPD) = Irrigated Volume (gallons) / Elapsed Time (days)
Average Recovery Rate (GPM) = Average Recovery Rate (GPD) / 24 (hours/day) / 60 (minutes/hour)
Reporting Month - Calender month for which the Average Irrigation Rate for Reporting Month (GPD) is calculated
Average Irrigation Rate for Reporting Month (GPD) = Cummulative Irrigated Volume (gallons) since prior Reporting Month / Cummulative Elapsed Time (days) since prior Reporting Month
NA = *Dummy entry for calculations of Monthly Irrigation Volume*

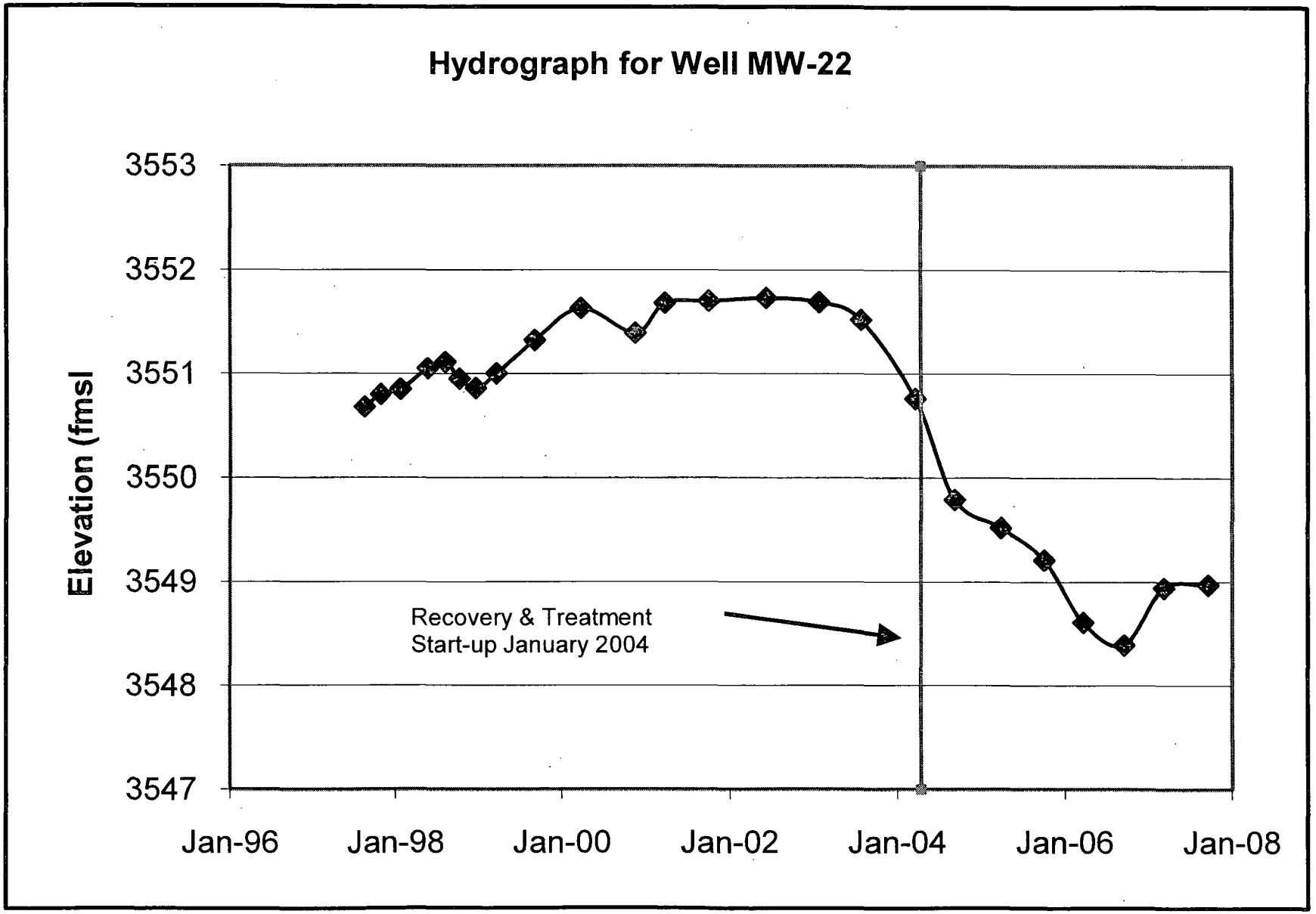
# HYDROGRAPHS


Hydrograph for Well MW-3
Elevation (fmsl)
3552
3551
3550
3549
3548
3547
3546
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Recovery & Treatment
Start-up April 2004


Hydrograph for Well MW-16
Recovery & Treatment
Start-up April 2004
Elevation (fmsl)
3554
3552
3550
3548
3546
3544
3542
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08


Hydrograph for Well MW-20
Elevation (fmsl)
3553
3552
3551
3550
3549
3548
3547
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Recovery & Treatment
Start-up April 2004


Hydrograph for Well MW-21
Elevation (fmsl)
3551
3550
3549
3548
3547
3546
3545
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Recovery & Treatment
Start-up April 2004


Hydrograph for Well MW-22
Elevation (fmsl
3553
3552
3551
3550
3549
3548
3547
Recovery & Treatment
Start-up January 2004
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08

# ANALYTICAL