

GW - 21

MONITORING REPORTS

DATE:
2005



**Annual Groundwater Monitoring
Report
January - December 2005**

Indian Basin Remediation Project
Eddy County, New Mexico

P R E P A R E D F O R

Marathon Oil Company



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April 26, 2006

Mr. Wayne Price
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**RE: Annual Groundwater Monitoring Report, January - December 2005
Indian Basin Remediation Project/GW-21
Eddy County, NM**

Dear Mr. Price:

Please find enclosed Annual Groundwater Monitoring Report, January - December 2005, for Indian Basin Remediation Project. The annual report, which was prepared by ARCADIS G&M, Inc., summarizes the groundwater monitoring and remediation activities associated with the Indian Basin Remediation Project during the 2005 calendar year.

If you have any questions or need any additional information, please contact me at (713) 296-2213.

Sincerely,

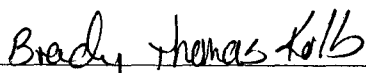
A handwritten signature in cursive script that reads 'Vijay K. Kurki'.

Vijay K. Kurki, P.E.
Environmental Supervisor

File: NM-IBRP E700-115
(3236-300 months after termination of the facility)
enclosures

cc: Tom L. Breningerr w/enclosures
Dan Hanchera w/o enclosures
Joe. W. Sologub w/o enclosures

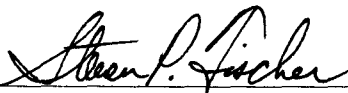
ARCADIS



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**Annual Groundwater Monitoring
Report, January - December 2005**

Indian Basin Remediation Project
Eddy County, New Mexico

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Date: 17 April 2006

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Executive Summary	1
1. Introduction	1
2. Background	1
3. Groundwater and Condensate Gauging	2
3.1 Shallow Zone Aquifer	2
3.2 Lower Queen Aquifer	3
3.3 Precipitation Recharge	3
4. Groundwater Sampling and Analysis	4
4.1 Shallow Zone Aquifer	5
4.1.1 BTEX Analysis	5
4.1.2 Wet Chemistry Analysis	5
4.2 Lower Queen Aquifer	6
4.2.1 BTEX Analysis	6
4.2.2 Wet Chemistry Analysis	7
5. Remediation System Operation and Maintenance	8
5.1 Groundwater Recovery and Infiltration	8
5.2 Groundwater Treatment	8
5.3 Vapor Extraction System	8
5.3.1 Startup of Vapor Extraction System	8
5.3.2 VES Expansion Field Design Testing	9
5.3.3 VES Full-Scale Expansion	10
5.3.4 Shallow Zone Vapor Extraction	10
5.3.5 Lower Queen Vapor Extraction	11
5.3.6 Aerobic Biodegradation	11
5.3.7 Groundwater Extraction System VES Operations	12
5.3.8 VES Enhancement and Air Bubbling	14
5.4 VES Optimization Strategy	16

6.	Summary and Action Plan	17
6.1	Condensate Mass Removal	17
6.2	Performed Activities	19
6.2.1	Annual Sampling	19
6.3	Planned Activities	19
6.4	Groundwater Monitoring Plan	20
6.5	Proposed Site Closure Plan	21

Tables

- 1A. Shallow Zone Monitoring Well Construction Details, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 1B. Lower Queen Monitoring Well Construction Details, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
2. Summary of Historical Rainfall with Monthly Rainfall During 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
3. Summary of Analytical Results, April 2005 Groundwater Sampling Event, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
4. Summary of SVE Operation, Vapor-Phase Mass Removal, and Aerobic Biodegradation, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
5. VES Program, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
6. Summary of Bubbler Application Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
8. Groundwater Monitoring Plan, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Figures

- 1 Site Location, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 2 Site Layout, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 3 Shallow Zone Groundwater Elevation Contours, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 4 Shallow Zone Groundwater Elevation Contours, October 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 5 BTEX and Separate-Phase Condensate Distribution Shallow Zone, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 5A Wet Chemistry Constituents, Shallow Zone, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico
- 6 Lower Queen Groundwater Elevation Contours, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 7 Lower Queen Groundwater Elevation Contours, October 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 8 BTEX and Separate-Phase Condensate Distribution Lower Queen, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 8A Wet Chemistry Constituents, Lower Queen, April 2005, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.
- 9 Estimated Yearly Condensate Removal (1997 - 2005), Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Appendices

- A Historical Fluid Level Data
- B Historical Analytical Data
 - Historical BTEX Analytical Data
 - Historical WQCC Metals and Wet Chemistry Analytical Data
 - Historical PAH Analytical Data
- C Laboratory Analytical Reports (CD-Rom)
 - April 2005 Groundwater Sampling Event
- D Laboratory Analytical Reports
 - Monthly VES Air Sampling, 2005
- E USEPA Low-flow Purging and Sampling Procedures

Executive Summary

The Indian Basin Gas Plant (site) is located approximately 20 miles northwest of Carlsbad in Eddy County, New Mexico. Remediation efforts at the site, collectively known as the Indian Basin Remediation Project (IBRP), were initiated in April 1991 to recover free-phase petroleum hydrocarbons related to the release of a liquid by-product of natural gas production known as "condensate". The subsurface at the site includes two distinct geologic zones referred to as the "Shallow Zone" and the "Lower Queen". Both of these zones contain saturated and unsaturated strata. Prior to March 2003, there were a total of 150 wells present at the site related to the IBRP. However, with New Mexico Oil Conservation District (NMOCD) approval, thirty-nine Shallow Zone wells were plugged and abandoned in March 2003, reducing the well total to 111 wells. The remaining wells are used for a combination of groundwater monitoring, groundwater and condensate recovery, treated groundwater infiltration and condensate vapor extraction.

In order to determine and evaluate the groundwater flow conditions and separate-phase condensate occurrences, site-wide well gauging events were performed in April and October 2005. The liquid-level measurements obtained from each well and the surveyed well elevations were used to calculate groundwater elevations, with density corrections where condensate was present. The resulting elevation data were used to generate groundwater piezometric contour maps. Review of these maps and the elevation data indicate Shallow Zone and Lower Queen groundwater flow was consistent with patterns observed in previous years for the Shallow Zone. During the previous reporting period, the gradient for the Lower Queen had shifted to a more northwesterly flow, but the 2005 data suggests that the gradient has reverted to the historical northerly flow. Flow in the Shallow Zone is to the southeast at an approximate gradient of 0.00491 ft/ft in April 2005, which is a lower than the 0.0138 ft/ft gradient recorded in April 2004. The flow in the Lower Queen is generally in a northerly direction at an approximate gradient of 0.0002 ft/ft in April 2005, whereas the gradient for the Lower Queen in April 2004 was in a northwesterly direction at a gradient of 0.0003 ft/ft.

During the April 2005 gauging event, groundwater samples were also collected from selected wells to evaluate groundwater quality at the site. In April 2005, the analytical suite included benzene, toluene, ethylbenzene and xylene (BTEX), total dissolved solids (TDS) and chlorides. The analytical results indicate that total BTEX concentrations in both water-bearing units generally remained below detection limits in most wells.

Remediation efforts completed at the site in 2005 included vapor extraction in the Lower Queen throughout the 2005 calendar year. The NMOCD approved Marathon's plan to use vapor extraction system (VES) to control condensate in groundwater. The VES was successfully implemented in March 2003 and has continued through 2005.

During the 2005 calendar year, nine VES blowers were operated continuously and rotated among the wells containing condensate. This operation allowed enhanced removal of condensate from the subsurface via both recovery in the vapor phase and aerobic biodegradation of condensate.

During 2005, approximately 1,364 barrels of condensate were recovered at the site, as follows:

- No condensate was removed in the vapor phase by VES wells in the Shallow Zone;
- The equivalent of approximately 200 barrels of condensate was removed in the vapor phase by VES wells in the Lower Queen; and
- The equivalent of approximately 1,164 barrels of condensate was removed by aerobic biodegradation enhanced by the use of vapor extraction within the Lower Queen.

Cumulatively, from the initiation of remedial efforts in April 1991 through December 2005, a total of approximately 22,287 barrels of condensate has been removed.

Through the operation of the VES, Marathon has maintained hydraulic control of the condensate and separate-phase hydrocarbons in groundwater at the site. The operations of the groundwater extraction system between April 2000 and December 2002 resulted in an asymptotic mass removal trend indicating an ineffective method of removing condensate from the site. In fact, no condensate was recovered by the groundwater extraction system during calendar year 2002. However, the operations of the VES during the same time period have proven to be an effective and viable technology to enhance condensate mass removal. Remediation efforts in the year 2005 included the following:

- Compliance monitoring and reporting; and
- Continued operation of the VES, while continuing to evaluate and modify the wells that will be used for vapor extraction to maximize condensate removal.

As stated in a response by the NMOCD to the "Petition to Discontinue Groundwater Extraction Operations, Indian Basin Remediation Project" and the "Annual Groundwater Monitoring Report, January-December 2001", Marathon Oil Company discontinued the groundwater extraction system and abandoned 39 Shallow Zone monitoring wells approved by the NMOCD for abandonment.

In 2004, Marathon implemented an NMOCD-approved reduced groundwater monitoring plan, which required annual sampling and semi-annual monitoring. Based on historical sampling data collected through 2004, it is apparent that BTEX concentrations are significantly reduced in most wells included in the sampling program. In fact, most of the sampled wells currently show very low or no BTEX concentrations above NMOCD regulatory limits. The annual groundwater sampling event is conducted in April of each year. The event includes sampling the same constituent list as approved in the original NMOCD approved monitoring plan. Table 8 provides a list of wells scheduled for sampling and a constituent list for the annual sampling program. The purging and sampling techniques utilized are low-flow procedures that were approved and implemented in 2003. A copy of the March 1998 USEPA low-flow procedures is included in Appendix E.

Marathon will continue collecting semi-annual liquid levels from all existing site wells as approved in the original groundwater monitoring plan. During each gauging event, liquid level measurements (depth to water and condensate thickness) are collected from each accessible monitoring well.

1. Introduction

ARCADIS has prepared this Annual Groundwater Monitoring report on behalf of Marathon Oil Company (Marathon). This report presents the results of the remediation and monitoring activities conducted between January and December 2005 at the Indian Basin Gas Plant located in Eddy County, New Mexico. These activities are collectively known as the Indian Basin Remediation Project (IBRP). This report has been prepared in accordance with the groundwater monitoring work plan approved by the New Mexico Energy, Minerals, and Natural Resources Department, Oil Conservation Division (NMOCD) in correspondence to Marathon dated March 4, 1999 and modified in 2004.

The following section presents a brief summary of the project background. The remaining sections discuss activities conducted during 2005, including investigation activities, monitoring well gauging, groundwater sampling and operation and maintenance of the remediation system.

2. Background

The Indian Basin Gas Plant (site) and IBRP are located approximately 20 miles northwest of Carlsbad, New Mexico, as shown on Figure 1. The site is situated in Township 21 South, Eddy County, and occupies portions of Range 23 East (Sections 13, 23, 24, 25, and 26) and Range 24 East (Sections 19 and 30). Remediation efforts at the site have been ongoing since April 1991 and are designed to remove separate-phase petroleum hydrocarbons present in the subsurface, primarily condensate, the liquid by-product of natural gas production.

The geology underlying the site is comprised of two distinct zones, both with saturated and unsaturated strata. The geologic units are referred to as the Shallow Zone and the Lower Queen. As of the end of 2005, there were a total of 38 monitoring wells and 1 infiltration well present in the Shallow Zone, and there were a total of 57 monitoring wells, 2 infiltration wells, 10 vapor extraction wells and 3 supply wells in the Lower Queen. A summary of the completion details regarding installation of these wells is provided in Table 1A and 1B. Figure 2 depicts the site layout, including the locations of each Shallow Zone and Lower Queen well. Additional details regarding local and regional geology and hydrogeology are presented in the report titled *Comprehensive Site Characterization Report for the IBRP*, submitted to the OCD on behalf of Marathon by IT Corporation in December 1998.

3. Groundwater and Condensate Gauging

In order to determine and evaluate the groundwater flow conditions and separate-phase condensate occurrences at the site as well as changes in these conditions, site-wide well gauging events were performed in April and October 2005. The gauging events consisted of collecting liquid-level measurements from both the Shallow Zone and Lower Queen. The results of the 2005 gauging events as well as precipitation recharge (rainfall) are discussed in the following sections. A summary of historical liquid-level measurement data for the site is presented in Appendix A.

3.1 Shallow Zone Aquifer

A total of 41 locations, consisting of 38 monitoring wells, 1 infiltration well and 2 recovery sumps, completed in the Shallow Zone, were gauged during both gauging events in 2005. The liquid-level measurements from each gauging event and the top of casing elevations for the wells were then used to calculate groundwater elevation at each well (density corrections were made as required where condensate was present).

Four Shallow Zone wells (MW-100, MW-105, Sump A10 and Sump 16A) contained no groundwater during either of the 2005 gauging events. Total fluctuations in groundwater elevation measured in the Shallow Zone Wells containing measurable fluids in 2005 ranged from no change in Well MW-48 to 13.97 feet in Well MW-78.

Groundwater elevation contour maps were generated for each event, based on the groundwater elevation measurements from each gauging event (Figures 3 and 4). As shown on the figures, the observed groundwater flow direction tends to be to the southeast at an approximate gradient of 0.00491 ft/ft in April 2005 and 0.00463 ft/ft in October 2005. The flow direction and gradient are consistent with patterns observed in previous years.

In April 2005, 0.025 feet of condensate was detected in Shallow Zone well MW-126. No condensate was recorded in any Shallow Zone monitor well in October 2005. Figure 5 depicts the observed condensate distribution for the Shallow Zone during the April monitoring event. During 2004, measurable condensate was detected in four Shallow Zone wells (MW-14, MW-69, MW-79 and MW-126). The 2005 data represents a significant decrease in condensate detected in the Shallow Zone monitor wells.

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3.2 Lower Queen Aquifer

A total of 70 locations completed in the Lower Queen, consisting of 67 monitoring wells, 2 plant water supply wells and 1 infiltration well, were gauged during both gauging events in 2005. The liquid-level measurements from each gauging event and the top of casing elevations for the wells were then used to calculate groundwater elevation at each well. Density corrections were made as required where condensate was present.

Two wells (VE-04 and VE-05) contained no groundwater during either the April 2005 or the October 2005 gauging event. Total fluctuations in groundwater elevation measured in the Lower Queen Wells containing measurable fluids in 2004 (pumping wells were not considered) ranged from a rise of 8.30 feet in MW-118 to a drop of 36.04 feet in well MW-087A. These relatively large fluctuations in the depths to water recorded in the Lower Queen Aquifer are due to the close proximity of the site to the aquifer recharge zone.

Groundwater elevation contour maps were generated for each event, based on the groundwater elevation measurements from each gauging event (Figures 6 and 7). As shown on the figures, the observed groundwater flow direction in the Lower Queen in 2005 was generally in a northerly direction at an approximate gradient of 0.0002 ft/ft in April and October, which is consistent with previously reported gradients. During the 2004 reporting period, the gradient was in a northwesterly direction. The gradient appears to have reverted back to the historical northerly direction.

During at least one of the gauging events in 2005, condensate was observed in Lower Queen wells MW-58, MW-82, MW-83, MW-120, MW-121, MW-125, MW-129 and VE-19. Observed condensate thicknesses in these wells ranged from 0.01 feet in wells MW-82 and MW-83 in October 2005 to 0.46 feet in Well MW-58 also in October 2005. Figure 8 depicts the observed condensate distribution for the Lower Queen during the April monitoring event. In October 2003, eleven monitor wells contained measurable (greater than 0.01 feet) of condensate and, of those eleven, only five monitor wells contained more than one inch (0.08 feet) of condensate. As of October 2005, only 7 wells contained measurable condensate. The condensate in these wells ranged in thickness from 0.46 feet of condensate in MW-58 to 0.01 feet of condensate in monitor wells MW-82, MW-83, MW-120 and MW-129.

3.3 Precipitation Recharge

Table 2 summarizes monthly rainfall received at the site during 2005. The site has historically received the highest amounts of precipitation between the months of June

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and October. Precipitation at the site generally followed a similar trend during the 2005 calendar year. The average annual rainfall measured at the site over the past five years is approximately 12.9 inches. During 2005, the data collected using the rain gauge maintained at the site indicate that the highest amount of precipitation was received in May (2.06 inches) and August (3.81 inches) with a total of 11.16 inches for the year. The rainfall total for 2005 is slightly lower than the five year average. However, most monitor wells still contained higher water levels than recorded in 2004. The site could be still experiencing the affect of the high rainfall (26.96 inches) in 2004.

4. Groundwater Sampling and Analysis

As part of the 2003 Annual Report and in subsequent correspondence with the NMOCD, Marathon petitioned the NMOCD to reduce the groundwater monitoring program at the IBRP from semi-annual monitoring to one annual monitoring event conducted in April of each calendar year. The NMOCD approved the modification in a letter dated September 16, 2004. A copy of the letter can be found in Appendix G of the 2004 Annual Groundwater Monitoring Report that was submitted to the NMOCD in April 2005. ARCADIS personnel conducted one annual groundwater sampling event at the site in April 2005.

The sampling event was performed according to the modified Groundwater Monitoring Plan, as approved by the OCD in March 1999. Groundwater samples were collected from 14 Shallow Zone wells and 25 Lower Queen wells. These samples were submitted for BTEX analysis using USEPA Method 8260B, TDS by USEPA Method 160.1 and chloride by USEPA Method 352.2.

Trip blanks and field blanks were collected for this event and submitted for analysis of BTEX. Table 3 summarizes the BTEX analytical results for April 2005. Summaries of historical BTEX, PAHs, WQCC metals and general chemistry analytical data are presented in Appendix B. The complete laboratory analytical reports for the annual groundwater sampling event in 2005 are presented on a CD-Rom (Appendix C).

Duplicate samples were collected from Shallow Zone monitor well MW-14 and Lower Queen monitor well MW-59 for the 2005 sampling event. The lab results indicate acceptable agreement between the two analyses.

The groundwater monitoring analytical results for both the Shallow Zone and Lower Queen are discussed in the following sections.

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4.1 Shallow Zone Aquifer

4.1.1 BTEX Analysis

During the April 2005 annual monitoring event, groundwater samples were collected from a total of 14 different wells completed in the Shallow Zone. The results of the BTEX laboratory analysis of these groundwater samples is summarized as follows:

- Many of the wells that have historically contained BTEX (including MW-50, MW-54, MW-61, MW-65, MW-78 and MW-90) have declined over time to the point that BTEX concentrations in these wells have been consistently below NMOCD regulatory limits from April 2002 through April 2005. Historical BTEX data is presented in Appendix B.
- Benzene was detected in only two Shallow Zone wells, MW-14 and MW-55. Benzene concentrations reported in the two wells were 174 ug/L in MW-14 and 150 ug/L in MW-55;
- Toluene was not detected either above the laboratory detection limits or the NMOCD regulatory limits during the 2005 annual monitoring event. Toluene concentrations have remained below laboratory detection limits since 2001;
- Ethylbenzene concentrations were not detected in any sample in April 2005 and have remained below laboratory detection limits since 2001; and
- Total xylene concentrations were not detected in any sample in April 2005. Total xylenes concentrations have remained below laboratory detection limits since 2001.

Figure 5 illustrates the distribution of dissolved BTEX compounds in the Shallow Zone aquifer during 2005. As indicated by the historical data in Appendix B, BTEX concentrations in this water-bearing zone have generally declined over time. However, benzene concentrations have increased in monitor well MW-55 (from 17.0 ug/L in April 2004 to 150 ug/L in April 2005). Benzene concentrations have decreased in MW-14, MW-46, MW-49 and MW-69 from April 2004 to April 2005.

4.1.2 Wet Chemistry Analysis

In addition to BTEX analysis in April 2005, groundwater samples from the Shallow Zone were analyzed for wet chemistry. The wet chemistry analysis included TDS and chlorides. The results of the wet chemistry laboratory analysis of the Shallow Zone wells in April 2005 are summarized as follows:

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- TDS concentrations were detected above the NMOCD standard in 9 wells (MW-14, MW-43, MW-46, MW-49, MW-50, MW-54, MW-55, MW-61 and MW-77). TDS concentrations ranged from 405 mg/L in MW-106 to 6,900 mg/L in MW-50. TDS concentrations were on an increasing trend for MW-43, MW-46, MW-55 and MW-77. TDS concentrations were neither increasing or decreasing in concentration for the remaining Shallow Zone wells sampled; and
- Chloride concentrations were detected above the NMOCD standard in 3 wells (MW-49, MW-50 and MW-61). Chloride concentrations ranged from 3.58 mg/L in MW-106 to 377 mg/L in MW-61. Chloride concentrations were increasing in monitor wells MW-43, MW-46 and MW-77. Chloride concentrations in MW-14 have decreased from above OCD standards to below OCD standards since 2002.

A summary of the wet chemistry laboratory analysis is provided in Table 3. Copies of the analytical laboratory reports are inserted in Appendix C. Figure 5A shows TDS and chloride in sampled wells detected above the NMOCD cleanup goals/regulatory limits.

4.2 Lower Queen Aquifer

4.2.1 BTEX Analysis

During April 2005, groundwater samples were collected from a total of 25 different Lower Queen wells. The laboratory analysis of these samples is summarized as follows:

- Of the 25 wells sampled, 2 wells (MW-62 and MW-74) contained at least one BTEX compound, with only the benzene concentration in MW-74 detected above NMOCD limits at a concentration of 11 ug/L. Benzene concentrations have been consistently below NMOCD limits for most wells since 2000 with only sporadic detections since then;
- Toluene was not detected in any sample collected during the annual sampling event. Toluene concentrations have been below NMOCD limits in most Lower Queen wells since 1999 with sporadic detections since then and none above NMOCD limits;
- Ethylbenzene was not detected in any sample collected during the annual sampling event. Ethylbenzene concentrations have been below NMOCD limits in most

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Lower Queen wells since 2000 with sporadic detections, none above NMOCD limits; and

- Total xylenes concentrations were not detected in any sample collected during the annual sampling event. Total xylenes concentrations have been below NMOCD limits in most Lower Queen wells since 2000 with only MW-111 containing consistent total xylenes detections, but not above NMOCD limits.

Figure 8 illustrates the distribution of dissolved BTEX compounds in the Lower Queen during 2005. Similar to that observed in the Shallow Zone, BTEX concentrations in this water-bearing zone have generally declined over time and remain below or only slightly above NMOCD limits as indicated by the data in Appendix B.

4.2.2 Wet Chemistry Analysis

In addition to BTEX analysis in April 2005, groundwater samples were collected from 25 Lower Queen wells and analyzed for wet chemistry. The wet chemistry analysis included TDS and chlorides. The results of the wet chemistry laboratory analysis of the 25 Lower Queen wells are summarized as follows:

- Total dissolved solid concentrations were detected above the New Mexico standard of 1,000 mg/L in a total of 5 wells (MW-59, MW-71, MW-73, MW-74 and MW-87A). TDS concentrations ranged from 320 mg/L in MW-63 to 3,320 mg/L in MW-73. TDS concentrations increased in monitor wells MW-73 and MW-74 and decreased in monitor wells MW-59 and MW-87A. Most Lower Queen monitor wells did not have TDS concentrations below OCD standards and TDS concentration are not increasing; and
- Chlorides were detected above the New Mexico standard of 250 mg/L in one well (MW-73). The chloride concentrations ranged from 2.99 mg/L in MW-95 to 262 mg/L in MW-73. Chloride concentrations have increased since 2002 in monitor wells MW-73 and MW-74 and decreased since 2002 in monitor well MW-87A. However, most Lower Queen wells contain chloride concentrations below OCD concentrations and are not on an increasing trend.

A summary of the wet chemistry laboratory analysis is provided in Table 3. Copies of the analytical laboratory reports are inserted in Appendix C. Figure 8A indicates TDS and chlorides in sampled wells detected above the NMOCD cleanup goals/regulatory limits.

5. Remediation System Operation and Maintenance

Remediation efforts completed at the site as part of the IBRP from April 1991 through December 2005 have included emergency excavation work; pumping in Rocky Arroyo sumps, open excavations, and Shallow Zone wells; condensate recovery from Shallow Zone Well MW-69; groundwater and condensate recovery (and treatment) including dual pump recovery from the Lower Queen; and vapor extraction in both the Shallow Zone and Lower Queen. The following sections discuss remedial activities conducted at the site during 2005. The renewal for the groundwater discharge permit for remediation activities at this site was approved by the NMOCD with the conditions listed in the correspondence dated January 21, 2005. A copy of this correspondence can be found in Appendix H of the 2004 Annual Groundwater Monitoring Report.

5.1 Groundwater Recovery and Infiltration

No groundwater was recovered from this site since the groundwater recovery system was shut-in in February of 2003. Unless the system is restarted due to excessive levels of PSH or loss of plume control, no discussion of groundwater recovery activities will be included in this or subsequent annual summary reports.

5.2 Groundwater Treatment

No groundwater was recovered or treated on-site during 2005.

5.3 Vapor Extraction System VES

The following sections provide information regarding the initial startup of the VES, field testing and expansion of the VES, and the mass removal results of the VES during 2005.

5.3.1 Startup of Vapor Extraction System

The VES was first started at the site in March 1992, using Shallow Zone wells MW-19, MW-20, MW-21, MW-35 and MW-56. The Shallow Zone VES operated from 1992 through 1994, removing the equivalent of 135 barrels of condensate in the vapor phase, as calculated from effluent vapor concentrations and vapor extraction flow rates. Vapor extraction in the Shallow Zone recommenced in August 1997, using wells MW-11, MW-19, MW-26 and MW-41.

VES was initiated in the Lower Queen in January 1997, using wells VE-1 through VE-5 and MW-61A. The system operated through June 1997, removing the equivalent of

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approximately 13 barrels of condensate in the vapor phase. Based on the low mass removal rates generated by this system, it was decided to discontinue VES operation in this location. Five new vapor extraction wells (VE-16 through VE-20) were installed in 1997, and the system was then relocated to these new wells in June 1997 and operated through the end of 1998.

5.3.2 VES Expansion Field Design Testing

Marathon undertook an extensive program of soil vapor extraction testing in 1999 via evaluating the operation of three VES blowers (VES-100, VES-200, and VES-300). The goal of this testing was two-fold: 1) to maximize recovery of condensate in the vapor phase; and 2) to evaluate the feasibility of using VES as a means to increase the rates of condensate recovery and in turn speed completion of the IBRP. The soil vapor extraction testing continued in 2000 with 19 short term vapor extraction tests (14 to 30 days) being conducted using five VES blowers (VES-100, VES-200, VES-300, VES-400 and VES-500). In addition during 2000, Marathon modified the construction of various Lower Queen monitoring and recovery wells to isolate the zones in which condensate was present. The goals of the well modifications were to allow more effective application of vapor extraction as a stand-alone method of recovering free product and to allow for successful execution of the proposed field design testing needed to help develop a full-scale system design.

Field testing was conducted with a single blower on individual wells to evaluate the flow and vacuum characteristics of each well. In addition, flow rate and hydrocarbon concentration data were used to calculate vapor phase condensate removal rates. Similarly, oxygen concentration readings and air flow rate were used to estimate the oxygen uptake due to microbial respiration in the subsurface, which in turn was used to estimate condensate mass removal via biodegradation.

Total condensate recovery achieved at each well during the field design testing varied across the site. However, with few exceptions, the vapor extraction from the modified wells (i.e., discretely screened) yielded the best mass removal rates. Condensate recovery rates for the testing program ranged from approximately 1 barrel per month in well MW-104 to 67 barrels per month in well MW-110. The average removal rate was 23 barrels per month per well.

Data from single well testing was also compared to data from multiple well testing to determine which scenario would provide the most efficient mass removal. During July and August, MW-110 was tested using blower VES-400 for 32 days. Over that time, approximately 47 barrels of condensate were removed. Following this, wells MW-110 and MW-127 were tested simultaneously using blower VES-400. MW-110 and MW-

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127 were tested for 24 days removing approximately 19 barrels of condensate. The flow rates during both tests were similar at approximately 300 standard cubic feet per minute (scfm). The multiple well testing provided a condensate removal rate of 0.79 barrels per day, which was only 53% of the condensate removal rate observed during the single well testing (1.47 barrels per day).

5.3.3 VES Full-Scale Expansion

Based upon the results of the vapor testing completed in 1999 and 2000, 6 blowers (VES-600, VES-700, VES-800, VES-900, VES-1000 and VES-1100) were added to the VES in 2001. Two of the existing blowers, VES-400 and VES-500, were equipped with thermal oxidizers; however, VOC control was no longer needed so these blowers were removed from the site. Blowers VES-600 and VES-700 were added to the system in July 2001, and blowers VES-800, VES-900, VES-1000 and VES-1100 were added to the system in September 2001. The VES was configured so each blower was extracting vapor from only one well. This configuration allows for operation of a maximum of 9 blowers extracting from up to 9 wells at any one time. The operation of the nine blowers (VES-100, VES-200, VES-300, VES-600, VES-700, VES-800, VES-900, VES-1000 and VES-1100) continued at the site through 2003. A summary of VES operations at the site during 2005 is presented in Table 5.

VES emissions were regulated by the New Mexico Environment Department Bureau of Air Quality under Permit No. R2-176-R1 and operating permit P-176. In May 2004, MOC petitioned the New Mexico Environment Department Bureau of Air Quality to cancel the Air Quality Operating Permit due to the low volumes of volatiles emitted to the atmosphere from the VES. Previously, the permit required monthly sampling and quarterly reporting to track mass removal and emissions concentrations. In a letter dated June 28, 2004, the New Mexico Environment Department Bureau of Air Quality approved this request, canceled the Title V Permit Application P176A and P176M1 and removed the IBRP site from the list of major sources in New Mexico. A copy of this letter is attached as Appendix F. Marathon continued to collect this data through the end of 2005, and a copy of the VES monthly air sampling data collected during 2005 is provided in Appendix D. The following sections discuss VES performance in both hydrogeologic zones at the site during 2005.

5.3.4 Shallow Zone Vapor Extraction

Vapor extraction in the Shallow Zone was conducted on Well MW-126 from April 3 to July 30, 2003. A summary of the VES operations, vapor-phase mass removal and aerobic biodegradation is provided in Table 4. No condensate was removed in the vapor phase by VES wells in the Shallow Zone since 2003.

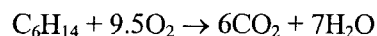
5.3.5 Lower Queen Vapor Extraction

During 2005, vapor extraction in the Lower Queen primarily included wells VE-19, MW-58, MW-81, MW-83, MW-85, MW-110, MW-112, MW-120, MW-123, MW-124, MW-125, MW-128 and MW-129. The vapor extraction in 2005 ranged from the equivalent of 0.98 barrels of condensate in MW-83 to the equivalent of 92.35 barrels of condensate in MW-81. For the year, a total equivalent of approximately 191.51 barrels of condensate was removed from the Lower Queen in the vapor phase. A summary of the VES operations, vapor-phase mass removal and aerobic biodegradation is provided in Table 4.

5.3.6 Aerobic Biodegradation

As previously mentioned, there has been evidence that a significant amount of aerobic biodegradation of condensate is occurring in the site subsurface. In fact, data suggests that the mass destruction due to aerobic biodegradation may be limited by a lack of sufficient oxygen in the subsurface to support the aerobic respiration. These data indicate that more extensive use of vapor extraction at the site would not only increase vapor-phase mass recovery, but would also increase aerobic biodegradation by adding oxygen to the subsurface.

When oxygen levels measured in soil gas are less than normal atmospheric oxygen levels, the observed reduction can be attributed to microbial aerobic respiration. Thus, aerobic biodegradation of hydrocarbons can be estimated by using the stoichiometry of hydrocarbon oxidation (*Test Plan and Technical Protocol for a Field Treatability Test for Bioventing*, Air Force Center for Environmental Excellence, May 1992) as follows:



This equation uses hexane as a representative hydrocarbon. Using the above equation, it takes approximately three and a half pounds of oxygen to degrade one pound of hydrocarbons. Some oxygen is utilized in reactions not associated with the degradation of hydrocarbons, it was assumed that approximately five pounds of oxygen would be required to degrade one pound of hydrocarbons.

Table 4 presents a summary of estimated aerobic biodegradation of condensate at the site in 2005. As the data in Table 5 shows, based on vapor samples an estimated 1,164 barrels of condensate were degraded in 2005.

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5.3.7 Groundwater Extraction System VES Operations

As part of the 2003 remediation program for the site, Marathon proposed to the NMOCD the removal of the ineffective groundwater extraction system (GWES) and its replacement with VES. VES has been demonstrated to be more effective at the site in the removal of hydrocarbons than the GWES. The revised plan requested approval to use the appropriate placement of vapor extraction systems applied to wells which were already a part of the GWES. The GWES included eleven monitoring/groundwater extraction wells; MW-58, MW-65A, MW -72, MW-75, MW-81, MW-82, MW-83, MW-84, MW-85, MW-86 AND MW-110. The modification of the remedial systems was proposed by Marathon in a December 4, 2002 letter to the NMOCD. The proposal was conditionally accepted by the NMOCD for 2003 remedial activities in a letter dated February 3, 2003 and signed by Mr. William C. Olson.

The elements of the revised remediation plan for the GWES were:

1. Deactivate the GWES and monitor groundwater/condensate thicknesses in the Lower Queen groundwater extraction wells on a monthly basis for three months. *(This methodology was applied by beginning each three-month observation period upon the first detection of PSH and observing PSH thicknesses over the subsequent three monthly sampling events);*
2. If condensate thickness levels remain consistent during this time period, the groundwater extraction system shall remain off-line;
3. If the condensate thickness levels increase in the above-listed wells, the VES will be configured to operate on these wells to ensure removal of condensate mass. If VES is unable to reduce condensate thickness by 50% in three months, the groundwater extraction system will be reactivated for these wells; and
4. After two annual monitoring events, free product thickness and dissolved-phase condensate concentrations will be evaluated to demonstrate no adverse impact has occurred regarding plume geometry or migration. At this time, Marathon Oil Company will petition to dismantle the groundwater extraction portion of the remedial system.

The conditional approval of the NMOCD had the following conditions:

1. Marathon shall not plug and abandon Shallow Zone monitoring wells MW-17, MW-32 and MW-47; and

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2. The NMOCD defers comment on the dismantling of the groundwater extraction system until the NMOCD has the opportunity to evaluate the future performance of the ground water remediation activities.

In mid-February 2003 following the receipt of NMOCD approval, Marathon suspended the operation of the GWES and began monitoring the eleven extraction wells for condensate thicknesses. As proposed, Marathon would conduct no further actions on extraction wells in which the condensate thicknesses did not increase. For extraction wells in which the condensate thickness increased over a three-month period, Marathon placed a vapor extraction system in the well. Monitoring of the condensate thicknesses in extraction wells was performed every month of 2005. The results of that gauging activity are found in Table 5 and Appendix A.

Table 5 presents the monthly records of depth to product (condensate) and depth to water measurements from each extraction well during 2005. The table also includes the summaries of the calculated product thickness and the change in product thickness from the previous month's gauging. The thickness and change in thickness entries are color coded. No color indicates no product detected or no change in product thickness. The pale red color indicates product detected. The deep red color indicates an increasing product thickness from the previous month, while the pale blue color indicates a decreasing product thickness from the previous month's measurements. Using the color coded entries, it is possible to determine the need, if any, for remediation using a VES.

During 2005, Marathon conducted observations of the former GWES, applied remedial activities and achieved remedial results in compliance with the proposed plan.

A summary of the monthly observations for 2005 follows:

1. For seven former groundwater extraction wells (MW-65A, MW-72, MW-75, MW-84, MW-85, MW-86 and MW-110), there was no product detected during the year. Therefore, for these wells there was consistency in the product thicknesses (no product) and the groundwater extraction system could remain off-line.
2. Four former groundwater extraction wells detected product during the year. These wells with detected product included extraction wells MW-58, MW -81, MW-82 and MW-83. The status of each of these wells was compared to the criteria for remediation below.

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- Monitor Well MW-58 detected product sporadically during 2005. In January 2005, a product thickness of 0.58 feet was recorded. No product was recorded from February to September. In October and November 0.46 feet and 0.48 feet of product was recorded, but no product was recorded in December. VES was placed on the well in July through the end of the year, which resulted in the rapid destruction of product detected in October. This program of observation, criteria for remedial action and results is consistent with Marathon's proposed plan and for dismantling the groundwater extraction system.
- Monitor Well MW-81 detected product in January and February 2005 the thicknesses were 0.07 feet and 0.39 feet, respectively. The VES was installed on the well in July 2004 and operation continued through 2005. No product was recorded in MW-81 for the rest of 2005. This program of observations, criteria for remedial action and results is consistent with Marathon's proposed plan and for dismantling the groundwater extraction system.
- Monitor Well MW-82 contained measureable product thicknesses in October and December 2005. Product thickness in October was 0.01 feet and in December 0.02 feet. No product was recorded in November 2005. No product was recorded the rest of 2005. No VES was installed on this well in 2005. MW-82 will be monitored for continued presence of product and, if necessary, a VES system will be installed to recover the product. This program of observations, criteria for remedial action and results is consistent with Marathon's proposed plan and for dismantling the groundwater extraction system.
- Monitor Well MW-83 did not detect any PSH during the year until October 2005. During October, the thickness of PSH was measured at 0.01 feet, but no product was recorded in November. No product was recorded the rest of 2005. A VES was installed on this well in December 2004 and recovery operations continued through August 2005. This program of observations, criteria for remedial action and results is consistent with Marathon's proposed plan and for dismantling the groundwater extraction system.

5.3.8 VES Enhancement and Air Bubbling

The efficiency of each remedial system has been evaluated on a monthly basis, and modifications to the remedial approach and equipment have been made to optimize the

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recovery of hydrocarbons. Both vapor concentrations in the VES off-gas and condensate thicknesses are measured monthly from each well that is a part of a VES. In most cases, VES has provided very good results in the recovery of condensate from site wells. In some cases, however, apparent formation low permeability has resulted in poor vapor recovery and stagnant condensate thicknesses in wells. This phenomenon occurs because there is insufficient air flow from the formation in the low permeability wells to stimulate biological activity or vaporize the condensate in the well bore.

During the second half of 2003, Marathon tested the use of low-flow air sparging in wells with low vapor concentrations and stagnant condensate thicknesses as a remedial method in concert with VES. The purpose of the low-flow sparging or "bubbling" is to introduce clean air in the well immediately below the product thickness on the groundwater. The air is generated by a compressor into a thin drop tube that enters the well through the sealed wellhead. The base of the air tube is placed below the product thickness in the well. The air exiting at the air tube's base bubbles through the condensate in the well casing. This action promotes volatilization of the condensate.

Bubbling was tested in a total of nine wells in 2003. The wells using bubblers included MW-65A, MW-68, MW-69, MW-72, MW-75, MW-82, MW-85, MW-126 and MW-129. In some wells, the VES remained in use during the test; in other wells, no VES was used, and the off-gas was vented to the atmosphere. Wells with VES were field measured for hydrocarbon emissions.

The majority of these test periods occurred during the last quarter of 2003. Two ways to evaluate the results of bubbling include the change in condensate thickness and/or the change in hydrocarbon emissions. A reduction in either condensate thickness or an increase in hydrocarbon production (in pounds per hour of emissions) when using the bubbler is considered to be a successful use of the technology.

The initial bubbling test was conducted on monitor well MW-126 in July 2003. MW-126 is a Shallow Zone monitor well in which condensate has been reported for 27 months prior to the initial testing. A VES had been placed on MW-126 on three earlier occasions with the following results:

- 10/17/01 to 12/19/01 with 0.0 barrels vapor removal rate per day;
- 4/13/02 to 12/8/02 with a 0.03 barrel per day removal rate; and
- 4/3/03 to 7/01/03 with a removal rate of 0.0 barrels per day.

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During these periods, no significant vapor condensate removal was observed, and condensate thickness was generally increasing.

On July 2, 2003, the well was equipped with a bubbler and continued on VES. At that time, the well had a condensate thickness of approximately 3.12 feet. On July 15, 2003, 13 days later, there was no condensate measured in the well. The bubbler and VES were subsequently removed on July 30, 2003 for use on monitor well MW-68. No condensate was measured in the well during the August monitoring, but condensate was recorded at 1.04 feet in September. However, no condensate was detected in October, November or December 2003 in this well.

Results of the bubbler system on the wells in which it was used during 2005 are summarized below:

- MW-58 – use of the bubbler system beginning in July and continuing to the end of 2005 aided in maintaining a condensate thickness of zero;
- MW-81 – a bubbler system was installed in this well in July 2004. PSH thicknesses continued to fluctuate throughout the year from none detected up to a thickness of 5.01; however, product thicknesses decreased to zero by March 2005 and remained zero through the rest of the year;
- MW-125 – A bubbler system was installed from January 2005 through July 2005. The system aided in the removal of condensate thickness but condensate thickness continued to fluctuate throughout 2005; and
- MW-129 – The bubbler system was installed on September 2003 and was on the well through December 2005. The bubbler assisted in keeping the condensate thickness to zero, except in October 2005 when condensate thickness was recorded to be 0.01 feet.

Table 6 provides data for wells in which air bubbling was in use, the period of time in which air bubbling was conducted, the condensate thicknesses monitored during the period the air bubbling was in use and hydrocarbon emissions in pounds per hour, if measured. Based on the above results, the compressed air bubbling program will continue to be applied at the site in 2006.

5.4 VES Optimization Strategy

During 2003, a strategy was developed to optimize the placement and utilization of VES blowers and compressed air bubbling systems to maximize hydrocarbon recovery.

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The overall strategy included collecting fluid level measurements on all former groundwater recovery system wells and those selected wells that historically contained condensate on a monthly basis. In addition, vapor phase recovery was determined from monthly air sampling, and anaerobic degradation was calculated. Generally, the VES strategy involved reviewing the fluid level data and vapor recovery data on a monthly basis and applying the following criteria:

- If recovery of less than one barrel per month is noted, consider relocating the blower to another well;
- If there is no condensate thickness recorded during the month, consider relocating the blower to another well;
- Compare results for all blowers with a rolling three-month data set to evaluate trends; and
- Based on results from the above three criteria, relocate blowers as appropriate.

It is important to note that the condensate observed in former groundwater recovery wells follows a different set of criteria that was previously discussed, and may override the above criteria.

In addition to the VES operation, bubbling of compressed air proved beneficial during 2005 in circumstances where the formation has low permeability, which inhibits good air transfer by VES only. The results from bubbling air were previously discussed. Going forward, air bubbling will be utilized based on the following criteria:

- Condensate thickness in wells utilizing VES is not decreasing over time; and
- Vapor phase recovery from wells utilizing VES is not significant, but condensate is present in the well.

The above optimization efforts will continue in 2006.

6. Summary and Action Plan

6.1 Condensate Mass Removal

During 2005, a total of approximately 1,364 barrels of condensate were removed at the site. Of the total recovery, approximately 200 barrels of condensate were removed in the vapor phase by VES efforts in the Lower Queen. In addition to the vapor phase

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recovery, it is estimated that an additional 1,164 barrels of condensate were removed via enhanced aerobic degradation in the subsurface. There was no significant amount of condensate removed in the Shallow Zone.

The 2005 vapor phase condensate recovery of 200 barrels is 44% less than the 360 barrels of vapor phase condensate recovered in 2004. Overall, the total condensate removed at the site in 2005 represents a decrease of 19% (312 barrels), as compared to that achieved in 2004. This overall decrease is a result of the lower recovery of condensate in the vapor phase in 2005 versus that calculated in 2004 (360 barrels in 2004; 200 barrels in 2005; a difference of 44% less in 2005). The decrease in vapor phase recovery could be influenced by the minimal number of wells containing measurable condensate. Efforts to continue maximizing vapor phase recovery with the VES will continue through 2006.

The 2005 removal results may indicate a substantial trend in lower recovery of hydrocarbons compared to the condensate removed in 1999 and 2000, yet still is greater than recovery in 1997 and 1998. A chart comparing the mass removal in the liquid phase, vapor phase, and through aerobic degradation for the period of 1997 through 2005 is included as Figure 9. As shown on Figure 9, there was a significant increase of condensate removed both via vapor phase extraction and enhanced aerobic degradation. The decrease in condensate recovery in the liquid phase was initially observed during the second half of 2000 and remained relatively insignificant through the end of 2001. The significant increase in condensate removal from the VES can be attributed to the following three items:

- Focusing vapor extraction in discrete zones from the well modifications;
- Increasing the scale of the VES through the addition of six blowers in 2001 for a total of nine blowers; and
- Operating one blower per extraction well, thus increasing the maximum attainable flow rate.

Cumulatively, from the initiation of remedial efforts in April 1991 through December 2005, a total of approximately 22,287 barrels of condensate have been recovered. Of the 22,287 barrels of condensate recovered to date, approximately 3,006 barrels have been removed in the liquid phase from recovery wells and sumps, and the equivalent of approximately 10,416 barrels has been removed or degraded in the vapor phase by VES operation. A summary of monthly and cumulative condensate removed from May 1991 through December 2005 is presented in Table 7.

A technical review of the data collected since April 1991 was performed to determine if the groundwater extraction system is a viable means for removing condensate and controlling condensate migration from the Lower Queen. The lines of evidence suggest that the groundwater extraction system successfully reduced the volume and mobility of the separate-phase condensate plume. Continued operation of the groundwater extraction system between April 2000 and mid-February 2003 has resulted in an asymptotic mass removal trend, indicative of the technologies inability to sustain long-term mass removal. Subsequently, Marathon has implemented vapor extraction as a viable technology to enhance condensate mass removal. With the VES in place, the residual stabilized condensate plume can be effectively remediated without the aid of continued groundwater extraction. Based on this information, Marathon was granted permission to discontinue the groundwater extraction system by the NMOCD (with conditions) in a correspondence dated February 3, 2003. The NMOCD has approved Marathon's request with the condition that "the NMOCD defers comment on dismantling the groundwater extraction system until the NMOCD has the opportunity to evaluate the future performance of ground water remediation activities" as stated in the NMOCD correspondence to the petition.

6.2 Performed Activities

The following sections summarize the activities were completed in 2005.

6.2.1 Annual Sampling

In 2004, Marathon reduced the semi-annual sampling to one annual sampling event conducted in April 2005. Marathon will continue to monitor site groundwater conditions on this schedule.

6.2.1 Groundwater Gauging

Beginning in calendar year 2004, Marathon conducted one site-wide liquid level measurements. Liquid levels were collected in October 2005.

6.3 Planned Activities

The operation of the VES and groundwater recovery systems suggests lines of evidence that Marathon has provided hydraulic control of condensate and separate-phase hydrocarbons in groundwater at the site (as demonstrated by continual gauging and sampling data). In addition, the total recovery of all hydrocarbons (i.e. vapor phase hydrocarbons and aerobic degradation of hydrocarbons [Figure 9] in 2005) is slightly less than that observed in the remediation results of 2004. The rigorous application of

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the VES technology during 2005 resulted in a slight decrease of annual condensate recovered in the vapor phase versus that recovered in 2004. However, the decrease in the aerobic degradation was less than the vapor phase decrease resulting in an overall decrease of approximately 19% in condensate removal. This may be significant because a concerted effort was made during 2004 to maximize recoveries using the VES including the GWES wells in the VES program. If this trend of decreased hydrocarbon recovery continues in future years, it may indicate that potential closure of the site will be warranted in the foreseeable future.

The ongoing remediation efforts in the year 2006 and beyond will include the following:

- Annual groundwater monitoring;
- Compliance monitoring and reporting;
- Continued operation of the VES while continuing to evaluate the wells that will be used for vapor extraction. The current system has the capacity for nine blowers and nine wells and allows for the flexibility to change which wells are used for vapor extraction; and
- The GWES will remain idle but the program of evaluating separate-phase conductor in GWES wells and the use of VES for recovery of these hydrocarbons in selected wells will continue.

6.4 Groundwater Monitoring Plan

The current groundwater monitoring plan was approved by the NMOCD (with conditions) in correspondence with Marathon dated March 4, 1999. Table 9 shows the wells included in the currently approved groundwater sampling plan. No changes to the current Groundwater Monitoring Plan are proposed for calendar year 2006. However, Marathon was granted permission by the NMOCD in a letter dated September 16, 2004 to implement the following groundwater monitoring plan beginning in 2004 and for subsequent sampling events:

- Reduce Groundwater Sampling to a Single Annual Event – Based on historical sampling data collected through 2003, it is apparent that BTEX concentrations are significantly reduced in most wells included in the sampling program. In fact, most of the sampled wells today show very low or no BTEX concentrations above NMOCD regulatory limits. In addition, where BTEX is detected in monitored wells, there appears to be no seasonal variation in the

concentrations. The annual groundwater sampling event would be conducted in April of each calendar year. The event would include sampling the same constituent list as approved in the original NMOCD-approved monitoring plan. Table 14 provides a list of wells scheduled for sampling and a constituent list for the proposed annual sampling program. The purging and sampling techniques will be conducted using low-flow procedures that were approved and implemented in 2003. A copy of the March 1998 USEPA low-flow procedures is included in Appendix E.

- Measure Liquid Levels Semi-Annually - Marathon proposes to continue collecting semi-annual liquid levels from all existing site wells as approved in the original groundwater monitoring plan. During each gauging event, liquid level measurements (depth to water and condensate thickness) will be collected from each accessible monitoring well.

6.5 Proposed Site Closure Plan

Based on a review of the data collected through 2005, Marathon proposes the following plan to ultimately achieve site closure:

- The groundwater monitoring program will continue as specified in Section 6.4;
- The VES remediation program will continue to be implemented in a manner that will optimize removal of condensate and enhance natural biological degradation. The optimization will include bubbling compressed air into wells containing condensate to enhance the removal of condensate as necessary. In addition, the VES remediation program will be operated in a manner to ensure compliance with the approved plan to shut down the GWES system and;
- When it can be determined through monitoring that the site no longer has evidence of condensate or dissolved BTEX constituents exceeding NMOCD regulatory limits, the site will be monitored for two years. If at the end of the two-year period, no condensate occurs, and samples collected do not show dissolved BTEX above NMOCD regulatory limits, Marathon would petition the NMOCD for closure.

Table 1A. Shallow Zone Monitoring Well Construction Details
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Well ID	Well Type	Measuring Point Elevation (feet amsl)	Total Depth (feet btoc)	Top of Screen/ Open Hole Interval (feet btoc)	Screen/Open Hole Depth (feet)	Casing Diameter (inches)
MW-1	monitoring	3792.50	15.00	9.00	6.00	2
MW-2	monitoring	3788.72	14.00	4.00	10.00	2
MW-3	monitoring	3787.50	15.00	5.00	10.00	2
MW-4	monitoring	3785.88	17.00	8.00	9.00	2
MW-5	monitoring	3801.69	11.00	6.00	5.00	2
MW-6	monitoring	3785.17	12.00	7.00	5.00	2
MW-7	monitoring	3784.46	16.00	6.00	10.00	2
MW-8	monitoring	3795.04	15.50	5.00	10.50	2
MW-9	monitoring	3807.85	11.00	6.00	5.00	2
MW-10	monitoring	3790.78	17.00	7.00	10.00	4
MW-11	monitoring	3806.96	22.00	12.00	10.00	4
MW-12	monitoring	3809.86	23.00	13.00	10.00	2
MW-13	monitoring	3801.58	20.00	10.00	10.00	2
MW-14	monitoring	3803.61	22.00	12.00	10.00	4
MW-15	monitoring	3803.59	17.00	7.00	10.00	2
MW-16	monitoring	3801.04	20.00	10.00	10.00	4
MW-17	monitoring	3799.55	18.00	8.00	10.00	2
MW-18	monitoring	3795.82	15.00	5.00	10.00	4
MW-19	monitoring	3797.21	17.00	7.00	10.00	4
MW-20	monitoring	3797.59	14.00	4.00	10.00	2
MW-21	monitoring	3798.21	21.00	11.00	10.00	2
MW-22	monitoring	3799.20	16.00	6.00	10.00	2
MW-23	monitoring	3794.48	10.00	5.00	5.00	2
MW-24	monitoring	3794.09	11.00	6.00	5.00	2
MW-25	monitoring	3786.97	8.00	3.00	5.00	2
MW-26	monitoring	3793.01	19.00	9.00	10.00	2
MW-27	monitoring	3790.93	15.00	10.00	5.00	2
MW-28	monitoring	3797.03	16.00	6.00	10.00	2
MW-29	monitoring	3794.06	12.00	7.00	5.00	2
MW-30	monitoring	3788.30	12.00	7.00	5.00	2
MW-31	monitoring	3791.15	16.50	7.00	9.50	4
MW-32	monitoring	3797.47	14.00	9.00	5.00	2
MW-33	monitoring	3802.48	18.00	9.00	9.00	4
MW-34	monitoring	3806.00	17.00	8.00	9.00	2
MW-35	monitoring	3800.81	19.00	14.00	5.00	4
MW-36	monitoring	3792.94	7.00	5.00	2.00	2
MW-37	monitoring	3795.03	19.00	9.00	10.00	4
MW-38	monitoring	3797.32	19.00	9.00	10.00	4
MW-39	monitoring	3796.20	19.00	9.00	10.00	4
MW-40	monitoring	3803.12	12.00	7.00	5.00	2
MW-41	monitoring	3799.04	22.00	12.00	10.00	4
MW-42	monitoring	3804.73	22.00	12.00	10.00	2
MW-43	monitoring	3802.05	22.00	12.00	10.00	4
MW-44	monitoring	3804.14	22.00	12.00	10.00	4
MW-45	monitoring	3808.68	24.00	9.50	14.50	2

Table 1A. Shallow Zone Monitoring Well Construction Details
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Well ID	Well Type	Measuring Point Elevation (feet amsl)	Total Depth (feet btoc)	Top of Screen/ Open Hole Interval (feet btoc)	Screen/Open Hole Depth (feet)	Casing Diameter (inches)
MW-46	monitoring	3805.54	18.00	8.00	10.00	4
MW-47	monitoring	3805.09	19.00	9.00	10.00	2
MW-48	monitoring	3806.18	18.00	8.00	10.00	2
MW-49	monitoring	3805.61	24.00	14.00	10.00	2
MW-50	monitoring	3813.35	35.00	20.00	15.00	2
MW-51	infiltration	3810.86	18.00	8.00	10.00	2
MW-52	monitoring	3817.49	19.00	9.00	10.00	2
MW-53	monitoring	3809.92	13.00	6.00	7.00	2
MW-54	monitoring	3823.86	76.00	41.00	35.00	4
MW-55	monitoring	3794.40	65.00	20.00	45.00	4
MW-56	monitoring	3782.45	42.00	27.00	15.00	4
MW-61	monitoring	3816.20	55.00	45.00	10.00	4
MW-65	monitoring	3763.31	55.00	35.00	20.00	4
MW-69	recovery	3805.11	48.00	13.00	35.00	4
MW-77	monitoring	3775.48	80.00	17.50	62.50	8
MW-78	monitoring	3785.82	85.00	13.00	72.00	8
MW-79	monitoring	3788.39	80.00	8.00	72.00	8
MW-80	monitoring	3821.64	90.00	19.00	71.00	8
MW-90	monitoring	3781.73	60.00	12.50	47.50	4
MW-91	monitoring	3783.07	70.00	12.50	57.50	4
MW-92	monitoring	3785.29	70.00	12.50	57.50	4
MW-93	monitoring	3817.50	70.00	12.50	57.50	4
MW-99	monitoring	3770.05	70.00	12.50	57.50	4
MW-100	monitoring	3773.31	70.00	12.50	57.50	4
MW-101	monitoring	3762.71	70.00	12.50	57.50	4
MW-102	monitoring	3753.69	80.00	12.50	67.50	4
MW-103	monitoring	3743.14	70.00	12.50	57.50	4
MW-105	monitoring	3736.93	80.00	12.50	67.5	4
MW-106	monitoring	3721.97	92.00	12.50	79.5	4
MW-107	monitoring	3726.27	70.00	12.50	57.5	4
MW-109	monitoring	3809.53	--	--	--	--
MW-117	phase II infill	3807.86	47.00	17.00	30.00	4
MW-126	phase II infill	3795.58	70.00	30.00	40.00	7
Sump A10	monitoring	3800.99	--	--	--	--
Sump 16A	monitoring	3785.14	--	--	--	--

Notes:

feet amsl Feet above mean sea level

feet btoc Feet below top of casing

-- Data not available

Wells were plugged and abandoned in March 2003

Table 1B. Lower Queen Monitoring Well Construction Details
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Well ID	Well Type	Measuring Point Elevation (feet amsl)	Total Depth (feet btoc)	Top of Screen/ Open Hole Interval (feet btoc)	Screen/Open Hole Depth (feet)	Casing Diameter (inches)
MW-57	monitoring	3787.70	175.00	155.00	20.00	4
MW-58	recovery	3824.07	216.00	191.00	25.00	4
MW-59	monitoring	3819.59	--	--	--	--
MW-60	monitoring	3815.28	220.00	170.00	50.00	4
MW-61A	monitoring	3819.97	214.00	173.50	40.50	4
MW-62	monitoring	3819.90	223.00	177.00	46.00	4
MW-63	monitoring	3826.16	220.00	174.00	46.00	4
MW-64	monitoring	3798.57	200.00	154.00	46.00	4
MW-65A	recovery	3763.26	166.00	115.00	51.00	4
MW-66	monitoring	3828.98	232.50	182.00	50.50	4
MW-67	monitoring	3765.87	163.00	112.00	51.00	4
MW-68	recovery	3797.83	200.00	149.00	51.00	4
MW-70	monitoring	3822.57	222.00	172.00	50.00	4
MW-71	monitoring	3778.05	233.00	165.00	68.00	4
MW-72	dual recovery	3819.32	241.50	181.50	60.00	6
MW-73	monitoring	3820.09	220.00	10.00	210.00	8
MW-74	monitoring	3820.82	220.00	170.00	50.00	6
MW-75	dual recovery	3816.12	220.00	170.00	50.00	6
MW-76	recovery	3796.01	220.00	9.00	211.00	8
MW-81	dual recovery	3817.03	225.00	71.00	154.00	8
MW-82	recovery	3825.07	250.00	67.50	182.50	6
MW-83	recovery	3794.12	202.00	152.00	50.00	6
MW-84	recovery	3759.60	170.00	120.00	50.00	6
MW-85	dual recovery	3824.93	235.00	162.00	73.00	6
MW-86	recovery	3823.99	225.00	185.00	40.00	6
MW-87	monitoring	3740.50	170.00	145.00	25.00	4
MW-87A	monitoring	3739.53	130.00	10.00	120.00	8
MW-88	monitoring	3789.7	175.00	142.50	32.50	8
MW-89	monitoring	3827.68	232.00	188.50	43.50	4
MW-94	recovery	3821.48	230.00	65.00	165.00	8
MW-95	monitoring	3746.26	145.00	111.00	34.00	4
MW-96	monitoring	3739.80	135.00	97.50	37.50	4
MW-97	monitoring	3750.16	148.00	107.50	40.50	4
MW-98	monitoring	3770.15	165.00	127.50	37.50	4
MW-104	monitoring	3793.64	220.00	145.00	75.00	6
MW-108	monitoring	3747.13	--	--	--	--
MW-110	recovery	3812.61	235.00	175.00	60.00	6
MW-111	monitoring	3824.44	230.00	190.00	40.00	4
MW-112	phase I infill	3780.11	211.00	140.00	71.00	6
MW-113*	phase I infill	3772.67	200.00	125.00	75.00	6
MW-114	phase I infill	3805.32	220.00	111.00	109.00	8
MW-115	phase I infill	3804.69	224.00	35.00	189.00	8
MW-116	phase I infill	3792.11	220.00	150.00	70.00	6
MW-117A	phase II infill	3808.24	225.00	46.00	179.00	8
MW-118	phase II infill	3762.88	202.00	112.00	90.00	4
MW-119	phase II infill	3824.74	245.00	185.00	60.00	4

Table 1B. Lower Queen Monitoring Well Construction Details
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Well ID	Well Type	Measuring Point Elevation (feet amsl)	Total Depth (feet btoc)	Top of Screen/ Open Hole Interval (feet btoc)	Screen/Open Hole Depth (feet)	Casing Diameter (inches)
MW-120	phase II infill	3820.65	240.00	180.00	60.00	4
MW-121	phase II infill	3820.88	225.00	175.00	50.00	4
MW-122	phase II infill	3822.79	225.00	36.00	189.00	7
MW-123	phase II infill	3768.77	225.00	125.00	100.00	4
MW-124	phase II infill	3777.83	225.00	17.00	208.00	7
MW-125	phase II infill	3790.61	225.00	130.00	95.00	4
MW-127	phase II infill	3825.17	245.00	195.00	50.00	4
MW-128	phase II infill	3786.08	225.00	37.50	187.50	7
MW-129	phase II infill	3800.82	245.00	155.00	90.00	4
MW-130	phase II infill	3775.54	225.00	145.00	80.00	4
MW-131	phase II infill	3784.23	245.00	145.00	100.00	4
IW-1	infiltration	3808.55	230.00	73.00	157.00	12
IW-2	infiltration	3835.86	300.00	159.00	141.00	12
SW-1	monitoring	3808.19	--	--	--	--
SW-2	monitoring	3808.79	--	--	--	--
SW-3	monitoring	3842.29	230.00	81.50	148.50	8
VE-1	vapor extraction	--	214.00	80.00	134.00	8
VE-2	vapor extraction	--	210.00	75.00	135.00	8
VE-3	vapor extraction	--	202.00	75.00	127.00	8
VE-4	vapor extraction	--	183.00	60.00	123.00	8
VE-5	vapor extraction	--	168.00	60.00	108.00	8
VE-16	vapor extraction	3750.96	150.00	42.50	107.50	8
VE-17	vapor extraction	3756.73	130.00	40.00	90.00	8
VE-18	vapor extraction	3756.82	163.00	37.50	125.50	8
VE-19	vapor extraction	3761.18	150.00	115.00	35.00	6
VE-20	vapor extraction	3768.41	160.00	37.50	122.50	8

Notes:

feet amsl Feet above mean sea level

feet btoc Feet below top of casing

-- Data not available

* Construction details not available, modification details are estimated

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Table 2. Summary of Historical Rainfall with Monthly Rainfall During 2005
Marathon Oil Company, Indian Basin Remediation Project
Eddy County, New Mexico.

Historical Rainfall	
Year	Rainfall (inches)
1994	9.31
1995	7.84
1996	16.60
1997	10.65
1998	3.95
1999	4.70
2000	9.75
2001	6.02
2002	12.70
2003	7.58
2004	26.96
2005	11.16

Monthly Rainfall During 2005	
Month	Rainfall (inches)
January	0.44
February	2.04
March	1.38
April	0.04
May	2.06
June	0.06
July	0.45
August	3.81
September	0.10
October	0.78
November	0.00
December	0.00
2005 Annual Total	11.16

Source: Rain gauge at Indian Basin Gas Plant

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Table 3. Summary of BTEX Analytical Results, April 2005 Semi-Annual Groundwater Sampling Event, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

		Analytical Parameters						
Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Total BTEX (ug/L)	TDS mg/L	Chloride (mg/L)
Shallow Zone Wells								
MW-14	4/25/2005	174	<5	<5	<15	174	1130	230
MW-14 (DUP 1)	4/25/2005	172	<5	<5	<15	172	1100	232
MW-43	4/28/2005	<5	<5	<5	<15	0	2440	157
MW-46	4/27/2005	<5	<5	<5	<15	0	1090	116
MW-49	4/25/2005	<5	<5	<5	<15	71	3960	345
MW-50	4/27/2005	<5	<5	<5	<15	0	6900	312
MW-54	4/27/2005	<5	<5	<5	<15	0	4470	187
MW-55	4/27/2005	150	5	<5	<15	155	1220	187
MW-61	4/21/2005	<5	<5	<5	<15	0	3520	377
MW-65	---	Not Sampled - Not enough water						
MW-69	4/21/2005	<5	<5	<5	<15	0	645	22.5
MW-77	4/27/2005	<5	<5	<5	<15	0	1110	180
MW-78	4/27/2005	<5	<5	<5	<15	0	429	16.9
MW-79	---	Not Sampled - Not enough water						
MW-90	4/21/2005	<5	<5	<5	<15	0	570	17.6
MW-91	4/25/2005	<5	<5	<5	<15	0	563	27.5
MW-105	---	Not Sampled - Well Dry						
MW-106	4/20/2005	<5	<5	<5	<15	0	405	3.58
Lower Queen Wells								
MW-57	4/26/2005	<5	<5	<5	<15	0	409	31
MW-59	4/21/2005	<5	<5	<5	<15	0	2180	54.1
MW-59 (DUP -2)	4/21/2005	<5	<5	<5	<15	0	2180	52.8
MW-60	4/26/2005	<5	<5	<5	<15	0	684	13.2
MW-61A	4/21/2005	<5	<5	<5	<15	0	875	11.4
MW-62	4/21/2005	9	<5	<5	<15	9	783	158
MW-63	4/26/2005	<5	<5	<5	<15	0	320	6.65
MW-64	4/20/2005	<5	<5	<5	<15	0	665	14.3
MW-66	4/21/2005	<5	<5	<5	<15	0	867	10.8
MW-67	4/20/2005	<5	<5	<5	<15	0	430	7.14
MW-70	4/26/2005	<5	<5	<5	<15	0	336	11.6
MW-71	4/21/2005	<5	<5	<5	<15	0	1300	21.8
MW-73	4/21/2005	<5	<5	<5	<15	0	3320	262
MW-74	4/21/2005	11	<5	<5	<15	11	1310	204
MW-87	4/21/2005	<5	<5	<5	<15	0	669	11.2
MW-87A	4/26/2005	<5	<5	<5	<15	0	1640	100
MW-88	4/21/2005	<5	<5	<5	<15	0	945	27.8
MW-89	4/21/2005	<5	<5	<5	<15	0	831	49.8
MW-94	4/26/2005	<5	<5	<5	<15	0	632	35.8
MW-95	4/20/2005	<5	<5	<5	<15	0	400	2.99
MW-96	4/20/2005	<5	<5	<5	<15	0	644	13.1
MW-97	4/20/2005	<5	<5	<5	<15	0	363	3.46
MW-98	4/20/2005	<5	<5	<5	<15	0	370	15.5
MW-104	4/20/2005	<5	<5	<5	<15	0	600	13.9
MW-108	4/20/2005	<5	<5	<5	<15	0	388	3.67
MW-111	4/21/2005	<5	<5	<5	<15	0	932	101

Notes:

ug/L	Micrograms per liter
<5	Compound detected below the detection limit - limit indicated
---	Not Sampled
6	Indicates result above the detection limit and below the OCD standard
16	Indicates result at/above OCD standard

OCD Cleanup Goals/Regulatory Limits

Benzene	10 ug/L
Toluene	750 ug/L
Ethylbenzene	750 ug/L
Total Xylenes	620 ug/L

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Table 4. Summary of SVE Operation, Vapor-Phase Mass Removal, and Aerobic Biodegradation, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

VES-100				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January 1-18	VE-19	Lower Queen	0.06	1.16
January 19-31	MW-123	Lower Queen	0.10	71.85
February	MW-123	Lower Queen	0.96	5.16
March	MW-123	Lower Queen	0.18	3.16
1st Quarter 2005 Estimated Subtotal			1.30	81.33
April	MW-123	Lower Queen	0.79	4.34
May	MW-123	Lower Queen	0.96	2.13
June	MW-123	Lower Queen	0.81	2.12
2nd Quarter 2005 Estimated Subtotal			2.56	8.59
July	MW-123	Lower Queen	1.33	3.83
August 1-10	MW-123	Lower Queen	0.48	1.89
August 11-31	MW-113	Lower Queen	5.58	31.60
September	MW-113	Lower Queen	2.25	38.95
3rd Quarter 2005 Estimated Subtotal			9.64	76.27
October 1-18	MW-113	Lower Queen	0.69	17.95
October 19-31	MW-123	Lower Queen	0.24	0.73
November	MW-123	Lower Queen	0.34	5.27
December	MW-123	Lower Queen	0.40	2.41
4th Quarter 2005 Estimated Subtotal			1.67	26.36
2005 Subtotal, VES-100			15.17	192.55

VES-300				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-85	Lower Queen	0.44	2.35
February	MW-85	Lower Queen	0.24	1.57
March	MW-85	Lower Queen	0.43	1.89
1st Quarter 2005 Estimated Subtotal			1.11	5.81
April	MW-85	Lower Queen	0.28	1.32
May	MW-85	Lower Queen	0.11	1.88
June	MW-85	Lower Queen	0.10	1.24
2nd Quarter 2005 Estimated Subtotal			0.49	4.44
July	MW-85	Lower Queen	0.15	1.19
August	MW-85	Lower Queen	0.11	2.16
September	MW-85	Lower Queen	0.10	1.59
3rd Quarter 2005 Estimated Subtotal			0.36	4.94
October	MW-85	Lower Queen	0.13	0.77
November	MW-85	Lower Queen	0.19	0.85
December	MW-85	Lower Queen	0.19	0.68
4th Quarter 2005 Estimated Subtotal			0.51	2.30
2005 Subtotal, VES-300			2.47	17.49

VES-200				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-125	Lower Queen	0.05	0.85
February	MW-125	Lower Queen	0.06	0.63
March	MW-125	Lower Queen	0.04	0.26
1st Quarter 2005 Estimated Subtotal			0.15	1.74
April	MW-125	Lower Queen	0.11	0.54
May	MW-125	Lower Queen	0.16	1.20
June	MW-125	Lower Queen	0.07	0.68
2nd Quarter 2005 Estimated Subtotal			0.34	2.42
July 1-12	MW-125	Lower Queen	0.02	0.41
July 13-31	MW-58	Lower Queen	0.33	0.23
August	MW-58	Lower Queen	0.47	0.97
September	MW-58	Lower Queen	0.25	0.59
3rd Quarter 2005 Estimated Subtotal			1.07	2.20
October	MW-58	Lower Queen	0.26	0.37
November	MW-58	Lower Queen	0.34	0.66
December	MW-58	Lower Queen	0.21	0.41
4th Quarter 2005 Estimated Subtotal			0.81	1.44
2005 Subtotal, VES-200			2.37	7.80

VES-400				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	NR	--	--	--
February	NR	--	--	--
March	NR	--	--	--
1st Quarter 2005 Estimated Subtotal			0.00	0.00
April	NR	--	--	--
May	NR	--	--	--
June	NR	--	--	--
2nd Quarter 2005 Estimated Subtotal			0.00	0.00
July	NR	--	--	--
August	NR	--	--	--
September	NR	--	--	--
3rd Quarter 2005 Estimated Subtotal			0.00	0.00
October	NR	--	--	--
November	NR	--	--	--
December	NR	--	--	--
4th Quarter 2005 Estimated Subtotal			0.00	0.00
2005 Subtotal, VES-400			0.00	0.00

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Table 4. Summary of SVE Operation, Vapor-Phase Mass Removal, and Aerobic Biodegradation, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

VES-500				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	NR	--	--	--
February	NR	--	--	--
March	NR	--	--	--
1st Quarter 2005 Estimated Subtotal			0.00	0.00
April	NR	--	--	--
May	NR	--	--	--
June	NR	--	--	--
2nd Quarter 2005 Estimated Subtotal			0.00	0.00
July	NR	--	--	--
August	NR	--	--	--
September	NR	--	--	--
3rd Quarter 2005 Estimated Subtotal			0.00	0.00
October	NR	--	--	--
November	NR	--	--	--
December	NR	--	--	--
4th Quarter 2005 Estimated Subtotal			0.00	0.00
2005 Subtotal, VES-500			0.00	0.00

VES-600				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-110	Lower Queen	1.41	26.71
February	MW-110	Lower Queen	0.24	34.21
March	MW-110	Lower Queen	0.28	32.36
1st Quarter 2005 Estimated Subtotal			1.93	93.28
April	MW-110	Lower Queen	0.12	26.90
May	MW-110	Lower Queen	0.13	25.57
June	MW-110	Lower Queen	0.36	14.48
2nd Quarter 2005 Estimated Subtotal			0.61	66.95
July	MW-110	Lower Queen	1.44	33.90
August	MW-110	Lower Queen	0.14	43.04
September	MW-110	Lower Queen	0.14	44.25
3rd Quarter 2005 Estimated Subtotal			1.72	121.19
October	MW-110	Lower Queen	0.85	35.50
November	MW-110	Lower Queen	0.13	32.17
December	MW-110	Lower Queen	0.11	30.57
4th Quarter 2005 Estimated Subtotal			1.09	98.24
2005 Subtotal, VES-600			5.35	379.66

VES-700				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-81	Lower Queen	14.76	20.52
February	MW-81	Lower Queen	8.53	16.19
March	MW-81	Lower Queen	7.26	16.63
1st Quarter 2005 Estimated Subtotal			30.55	53.34
April	MW-81	Lower Queen	7.63	19.24
May	MW-81	Lower Queen	11.32	18.15
June	MW-81	Lower Queen	7.31	11.26
2nd Quarter 2005 Estimated Subtotal			26.26	48.65
July	MW-81	Lower Queen	6.17	18.88
August	MW-81	Lower Queen	5.63	20.83
September	MW-81	Lower Queen	7.06	19.64
3rd Quarter 2005 Estimated Subtotal			18.86	59.35
October	MW-81	Lower Queen	4.79	16.51
November	MW-81	Lower Queen	6.12	17.05
December	MW-81	Lower Queen	5.77	18.63
4th Quarter 2005 Estimated Subtotal			16.68	52.19
2005 Subtotal, VES-700			92.35	213.53

VES-800				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-120	Lower Queen	1.53	5.21
February	MW-120	Lower Queen	1.08	4.24
March	MW-120	Lower Queen	0.90	3.58
1st Quarter 2005 Estimated Subtotal			3.51	13.03
April	MW-120	Lower Queen	0.78	19.13
May	MW-120	Lower Queen	1.49	3.34
June	MW-120	Lower Queen	0.14	0.90
2nd Quarter 2005 Estimated Subtotal			2.41	23.37
July	MW-120	Lower Queen	0.00	22.16
August	MW-120	Lower Queen	0.84	4.01
September	MW-120	Lower Queen	0.72	4.08
3rd Quarter 2005 Estimated Subtotal			1.56	30.25
October	MW-120	Lower Queen	0.43	2.05
November	MW-120	Lower Queen	1.12	4.32
December	MW-120	Lower Queen	0.54	3.77
4th Quarter 2005 Estimated Subtotal			2.09	10.14
2005 Subtotal, VES-800			9.57	76.79

Table 4. Summary of SVE Operation, Vapor-Phase Mass Removal, and Aerobic Biodegradation, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

VES-900				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-83	Lower Queen	0.19	5.67
February	MW-83	Lower Queen	0.04	6.82
March	MW-83	Lower Queen	0.07	2.97
1st Quarter 2005 Estimated Subtotal			0.30	15.46
April	MW-83	Lower Queen	0.04	6.35
May	MW-83	Lower Queen	0.04	6.35
June	MW-83	Lower Queen	0.02	9.07
2nd Quarter 2005 Estimated Subtotal			0.10	21.77
July	MW-83	Lower Queen	0.05	8.20
August 1-24	MW-83	Lower Queen	0.19	5.20
August 25-31	VE-19	Lower Queen	0.01	0.38
September	VE-19	Lower Queen	0.07	1.74
3rd Quarter 2005 Estimated Subtotal			0.32	15.52
October	VE-19	Lower Queen	0.08	1.83
November	VE-19	Lower Queen	0.08	5.20
December	VE-19	Lower Queen	0.10	2.11
4th Quarter 2005 Estimated Subtotal			0.26	9.14
2005 Subtotal, VES-900			0.98	61.89

VES-1000				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-112	Lower Queen	0.07	2.42
February 1-9	MW-112	Lower Queen	0.02	0.85
February 10-28	MW-124	Lower Queen	0.73	13.37
March	MW-124	Lower Queen	0.62	24.88
1st Quarter 2005 Estimated Subtotal			1.44	41.52
April	MW-124	Lower Queen	0.24	13.20
May 1-3	MW-124	Lower Queen	0.12	2.21
May 4-31	MW-128	Lower Queen	6.87	9.88
June	MW-128	Lower Queen	5.88	10.17
2nd Quarter 2005 Estimated Subtotal			13.11	35.46
July	MW-128	Lower Queen	5.37	8.57
August	MW-128	Lower Queen	3.53	9.96
September	MW-128	Lower Queen	2.07	9.48
3rd Quarter 2005 Estimated Subtotal			10.97	28.01
October	MW-128	Lower Queen	2.38	8.85
November	MW-128	Lower Queen	2.74	8.67
December	MW-128	Lower Queen	3.01	8.23
4th Quarter 2005 Estimated Subtotal			8.13	25.75
2005 Subtotal, VES-1000			33.65	130.74

VES-1100				
Date	Well	Location	Vapor Phase Condensate Recovered (bbl)	Biodegradation Condensate Recovered (bbl)
January	MW-129	Lower Queen	3.83	8.49
February	MW-129	Lower Queen	3.95	10.36
March	MW-129	Lower Queen	2.73	4.50
1st Quarter 2005 Estimated Subtotal			10.51	23.35
April	MW-129	Lower Queen	3.58	6.16
May	MW-129	Lower Queen	2.51	6.95
June	MW-129	Lower Queen	2.28	3.90
2nd Quarter 2005 Estimated Subtotal			8.37	17.01
July	MW-129	Lower Queen	4.15	6.55
August	MW-129	Lower Queen	4.11	7.58
September	MW-129	Lower Queen	3.24	7.99
3rd Quarter 2005 Estimated Subtotal			11.50	22.12
October	MW-129	Lower Queen	2.07	7.51
November	MW-129	Lower Queen	2.68	6.83
December	MW-129	Lower Queen	2.47	6.24
4th Quarter 2005 Estimated Subtotal			7.22	20.58
2005 Subtotal, VES-1100			37.60	83.06

Summary of 2005 Condensate Recovery		
	Vapor Phase	Biodegradation
Shallow Zone Wells	0.00	0.00
Lower Queen Wells	199.51	1163.51
Total	199.51	1163.51

Table 5. VES Program
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

		01/11/05	02/08/05	03/08/05	04/05/05	05/09/05	06/21/05	07/19/05	08/08/05	09/20/05	10/05/05	11/14/05	12/15/05
MW-58	DTC (feet)	200.12	200.56	200.87	207.19	207.19	200.04	199.94	200.03	199.02	199.38	199.49	199.81
	DTW (feet)	200.70	200.56	200.87	207.19	207.19	200.04	199.94	200.03	199.02	199.84	199.97	199.81
PSH FT		0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.48	0.00
Δ			-0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.02	-0.48
							X	X	X	X	X	X	X
MW-65A	DTC (feet)	138.04	138.31	138.57	138.88	138.86	139.04	138.97	139.03	138.12	138.53	138.72	138.71
	DTW (feet)	138.04	138.31	138.57	138.88	138.86	139.04	138.97	139.03	138.12	138.53	138.72	138.71
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VES													
MW-72	DTC (feet)	196.44	196.65	195.91	197.18	197.16	197.38	197.26	197.28	196.33	196.75	196.79	196.82
	DTW (feet)	196.44	196.65	195.91	197.18	197.16	197.38	197.26	197.28	196.33	196.75	196.79	196.82
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VES													
MW-75	DTC (feet)	194.23	194.44	194.07	194.95	194.98	195.17	195.11	195.17	194.22	194.63	194.77	194.69
	DTW (feet)	194.23	194.44	194.07	194.95	194.98	195.17	195.11	195.17	194.22	194.63	194.77	194.69
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-81	DTC (feet)	192.04	192.18	195.52	193.75	196.51	193.02	192.95	193.02	192.01	192.46	192.54	193.22
	DTW (feet)	192.11	192.57	195.52	193.75	196.51	193.02	192.95	193.02	192.01	192.46	192.54	193.22
PSH FT		0.07	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.32	-0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		X	X	X	X	X	X	X	X	X	X	X	X
MW-82	DTC (feet)	195.56	199.80	200.03	200.30	200.26	200.56	200.39	200.50	199.54	200.06	200.04	200.09
	DTW (feet)	195.56	199.80	200.03	200.30	200.26	200.56	200.39	200.50	199.54	200.07	200.04	200.11
PSH FT		0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.02
MW-83	DTC (feet)	168.21	168.61	170.43	169.15	168.96	169.39	169.29	169.43	168.37	168.92	169.06	168.92
	DTW (feet)	168.21	168.61	170.43	169.15	168.96	169.39	169.29	169.43	168.37	168.93	169.06	168.92
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
		X	X	X	X	X	X	X	X	X	X	X	X
MW-84	DTC (feet)	135.81	136.09	136.31	136.62	136.61	136.79	136.68	137.81	135.88	136.20	136.47	136.53
	DTW (feet)	135.81	136.09	136.31	136.62	136.61	136.79	136.68	137.81	135.88	136.20	136.47	136.53
PSH FT		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5. VES Program
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

		01/11/05	02/08/05	03/08/05	04/05/05	05/09/05	06/21/05	07/19/05	08/08/05	09/20/05	10/05/05	11/14/05	12/15/05
MW-85	DTC (feet)	200.59	200.81	201.04	201.36	201.24	201.61	200.47	201.57	200.56	200.90	201.11	201.18
	DTW (feet)	200.59	200.81	201.04	201.36	201.24	201.61	200.47	201.57	200.56	200.90	201.11	201.18
PSH FT		0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VES		X	X	X	X	X	X	X	X	X	X	X	X
MW-86	DTC (feet)	199.42	199.68	199.88	200.25	200.58	200.53	200.40	200.47	199.27	199.55	199.94	200.23
	DTW (feet)	199.42	199.68	199.88	200.25	200.58	200.53	200.40	200.47	199.27	199.55	199.94	200.23
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-110	DTC (feet)	188.77	188.81	189.17	189.62	189.51	190.05	189.79	189.89	188.51	188.84	189.01	188.68
	DTW (feet)	188.77	188.81	189.17	189.62	189.51	190.05	189.79	189.89	188.51	188.84	189.01	188.68
PSH FT		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-68	DTC (feet)	172.88	172.89	173.02	173.44	173.68	173.87	173.61	173.93	172.44	172.97	173.28	173.17
	DTW (feet)	172.88	172.89	173.02	173.44	173.68	173.87	173.61	173.93	172.44	172.97	173.28	173.17
PSH FT		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-69	DTC (feet)	30.00	30.03	31.35	31.81	32.41	34.16	32.72	31.99	29.33	29.98	31.05	32.03
	DTW (feet)	30.00	30.03	31.35	31.81	32.41	34.16	32.72	31.99	29.33	29.98	31.05	32.03
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-74	DTC (feet)	195.73	195.73	196.18	196.30	196.31	196.43	196.37	196.61	195.51	195.51	195.98	195.97
	DTW (feet)	195.73	195.73	196.18	196.30	196.31	196.43	196.37	196.61	195.51	195.51	195.98	195.97
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-112	DTC (feet)	154.78	155.30	155.29	155.42	155.37	155.61	155.48	155.65	154.51	155.07	155.21	155.21
	DTW (feet)	154.78	155.30	155.29	155.42	155.37	155.61	155.48	155.65	154.51	155.07	155.21	155.21
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-113	DTC (feet)	147.27	147.39	147.69	147.90	147.88	148.16	147.93	148.11	147.04	147.51	147.68	147.87
	DTW (feet)	147.27	147.39	147.69	147.90	147.88	148.16	147.93	148.32	147.04	147.51	147.68	147.87
PSH FT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
Δ			0.00	0.00	0.00	0.00	0.00	0.00	0.21	-0.21	0.00	0.00	0.00
MW-120	DTC (feet)	197.76	195.76	196.06	196.50	196.28	196.39	196.32	196.48	195.58	195.90	196.04	196.00
	DTW (feet)	197.76	195.76	196.06	196.50	196.31	196.74	196.33	196.64	195.61	195.91	196.04	196.01
PSH FT		0.00	0.00	0.00	0.00	0.03	0.35	0.01	0.16	0.03	0.01	0.00	0.01
Δ			0.00	0.00	0.00	0.03	0.32	-0.34	0.15	-0.13	-0.02	-0.01	0.01

Table 5. VES Program
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

			01/11/05	02/08/05	03/08/05	04/05/05	05/09/05	06/21/05	07/19/05	08/08/05	09/20/05	10/05/05	11/14/05	12/15/05
MW-121	DTC (feet)	X	195.84	195.91	196.21	196.46	196.51	196.59	196.53	196.82	195.60	196.00	196.18	196.11
	DTW (feet)		195.84	195.91	196.21	196.48	196.51	196.59	196.53	196.85	195.61	196.02	196.18	196.12
PSH FT			0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.01	0.02	0.00	0.01
Δ				0.00	0.00	0.02	-0.02	0.00	0.00	0.03	-0.02	0.01	-0.02	0.01
MW-123	DTC (feet)		143.41	143.51	143.91	144.08	144.01	144.26	144.14	144.27	143.28	143.73	143.91	144.00
	DTW (feet)		143.41	143.55	143.91	144.08	144.01	144.26	144.14	144.27	143.32	143.73	143.91	144.00
PSH FT			0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Δ				0.04	-0.04	0.00	0.00	0.00	0.00	0.00	0.04	-0.04	0.00	0.00
MW-124	DTC (feet)	X	152.48	152.64	153.02	153.12	153.10	153.33	153.21	153.41	152.31	152.81	152.99	153.03
	DTW (feet)		152.48	152.69	153.02	153.12	153.10	153.33	153.21	153.41	152.32	152.81	152.99	153.03
PSH FT			0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Δ				0.05	-0.05	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00
MW-125	DTC (feet)		165.71	165.90	166.33	166.46	166.46	166.71	166.71	166.91	165.48	166.03	166.21	166.21
	DTW (feet)		165.79	165.90	166.33	166.50	166.48	166.75	166.75	166.93	165.51	166.10	166.23	166.23
PSH FT			0.08	0.00	0.00	0.04	0.02	0.04		0.02	0.03	0.07		0.02
Δ				-0.08	0.00	0.04	-0.02	0.02		0.02	0.01	0.04		-0.05
MW-126	DTC (feet)	X	46.55	47.50	48.43	50.38	53.47	58.30	59.47	59.47	52.67	51.78	56.38	55.58
	DTW (feet)		46.73	47.51	48.43	50.63	53.47	58.30	59.47	59.47	52.67	51.78	56.38	55.58
PSH FT			0.08	0.01	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ				-0.07	-0.01	0.25	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-128	DTC (feet)	NG				161.62	161.56	161.84	161.73	161.91	160.89	161.18	161.45	161.42
	DTW (feet)	NG				161.62	161.56	161.84	161.73	161.91	160.89	161.18	161.45	161.42
PSH FT							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-129	DTC (feet)		176.46	176.52	176.68	177.05	177.06	177.48	177.23	177.56	176.06	176.36	176.86	176.83
	DTW (feet)		176.46	176.52	176.68	177.05	177.06	177.48	177.23	177.56	176.06	176.37	176.86	176.83
PSH FT			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Δ				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
MW-130	DTC (feet)	X	150.17	150.28	150.64	150.78	150.71	150.97	150.91	151.01	150.02	150.53	150.65	150.66
	DTW (feet)		150.17	150.28	150.64	150.78	150.71	150.97	150.91	151.01	150.02	150.53	150.65	150.66
PSH FT			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δ				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5. VES Program
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

		01/11/05	02/08/05	03/08/05	04/05/05	05/09/05	06/21/05	07/19/05	08/08/05	09/20/05	10/05/05	11/14/05	12/15/05
VE-19	DTC (feet)	135.53	136.02	136.27	136.43	136.31	136.42	135.52	136.44	135.56	135.90	136.11	136.27
	DTW (feet)	135.53	136.02	136.34	136.56	136.43	136.42	136.35	136.66	135.56	135.90	136.11	136.27
	PSH FT	0.00	0.00	0.07	0.13	0.12	0.00	0.83	0.22	0.00	0.00	0.00	0.00
	Δ		0.00	0.07	0.06	-0.01	-0.12	0.83	-0.61	-0.22	0.00	0.00	0.00
		X							X	X	X	X	X

Explanation

MW-58	Former Groundwater Extraction wells
MW-68	Vapor Extraction Wells
DTC (feet)	Depth to condensate in feet from the measuring point
DTW (feet)	Depth to water in feet from a measuring point of a w
PSH FT	Condensate detected and condensate thickness in feet
Δ	Change in (increase in) condensate thickness in feet from previous monthly gauging
Δ	Change in (decrease in) condensate thickness in feet from previous monthly gauging
VES X	Month in which a vapor extraction system (VES) was used to remediate condensate thickness
NG	Well was not gauged on that date
DRY	Indicates the well contained no water or condensate at the time of gauging

Table 6 Summary of Bubbler Application Data
Marathon Oil Company, Indian Basin Remediation Project
Eddy County, New Mexico

Well	MW-58				
Month	VES	Bubbler	Condensate Thick (Ft)	Volatilization Lbs/Hr	
Jan 05			0.58	No VES	
Feb 05			0.00	No VES	
Mar 05			0.00	No VES	
Apr 05			0.00	No VES	
May 05			0.00	No VES	
June 05			0.00	No VES	
July 05	X	X	0.00	0.20	
Aug 05	X	X	0.00	0.17	
Sept 05	X	X	0.00	0.10	
Oct 05	X	X	0.46	0.09	
Nov 05	X	X	0.48	0.13	
Dec 05	X	X	0.00	0.08	

Well	MW-81				
Month	VES	Bubbler	Condensate Thick (Ft)	Volatilization Lbs/Hr	
Jan 05	X	X	0.07	5.42	
Feb 05	X	X	0.39	3.46	
Mar 05	X	X	0.00	2.66	
Apr 05	X	X	0.00	2.89	
May 05	X	X	0.00	4.15	
June 05	X	X	0.00	2.44	
July 05	X	X	0.00	2.27	
Aug 05	X	X	0.00	2.07	
Sept 05	X	X	0.00	2.68	
Oct 05	X	X	0.00	1.76	
Nov 05	X	X	0.00	2.32	
Dec 05	X	X	0.00	2.12	

Well	MW-125				
Month	VES	Bubbler	Condensate Thick (Ft)	Volatilization Lbs/Hr	
Jan 05	X	X	0.08	0.02	
Feb 05	X	X	0.00	0.02	
Mar 05	X	X	0.00	0.01	
Apr 05	X	X	0.04	0.04	
May 05	X	X	0.02	0.03	
June 05	X	X	0.04	0.03	
July 05	X	X	0.00	0.02	
Aug 05			0.02	No VES	
Sept 05			0.03	No VES	
Oct 05			0.07	No VES	
Nov 05			0.00	No VES	
Dec 05			0.02	No VES	

Well	MW-129				
Month	VES	Bubbler	Condensate Thick (Ft)	Volatilization Lbs/Hr	
Jan 05	X	X	0.00	1.41	
Feb 05	X	X	0.00	1.60	
Mar 05	X	X	0.00	1.00	
Apr 05	X	X	0.00	1.36	

Table 6 Summary of Bubbler Application Data
Marathon Oil Company, Indian Basin Remediation Project
Eddy County, New Mexico

May 05	X	X	0.00	0.92
June 05	X	X	0.00	0.86
July 05	X	X	0.00	1.52
Aug 05	X	X	0.00	1.51
Sept 05	X	X	0.00	1.23
Oct 05	X	X	0.01	0.76
Nov 05	X	X	0.00	1.02
Dec 05	X	X	0.00	0.91

X = VES or Bubbler used during the month (may be a partial period)

Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-89	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Apr-91	717.3	33.0	465.0	4,447.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,662.3
May-91	2,041.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,041.0
Jun-91	714.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	714.0
Jul-91	220.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.0
Aug-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	26.0
Dec-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	12.5
Subtotal 1991	3,692.3	33.0	465.0	4,447.0	0.0	0.0	0.0	0.0	38.5	0.0	0.0	0.0	8,675.8
Jan-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	13.0
Feb-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5
Mar-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.1	0.0	0.0	8.2
Apr-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.9	0.0	0.0	9.7
May-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	5.1	0.0	0.0	13.6
Jun-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.9	0.0	0.0	6.1
Jul-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	5.1	0.0	0.0	12.4
Aug-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	5.1	0.0	0.0	13.0
Sep-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5
Oct-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.1	0.0	0.0	9.9
Nov-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.9	0.0	0.0	5.5
Dec-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.1	0.0	0.0	5.9
Subtotal 1992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.5	45.8	0.0	0.0	99.3
Jan-93	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	4.2	0.0	0.0	5.4
Feb-93	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.3	0.0	0.0	0.0	2.9
Mar-93	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	1.9	0.0	0.0	0.0	4.7
Apr-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	3.7
May-93	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	1.1	5.1	0.0	0.0	9.6
Jun-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.6	0.0	0.0	5.4
Jul-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6
Aug-93	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	4.7	0.0	0.0	0.0	6.4
Sep-93	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	3.7	0.0	0.0	0.0	8.3
Oct-93	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	5.5	10.6	0.0	0.0	22.3
Nov-93	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	1.6	12.2	0.0	0.0	22.6
Dec-93	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	1.8	12.7	0.0	0.0	29.8
Subtotal 1993	0.0	0.0	0.0	0.0	3.4	6.6	36.7	0.0	22.9	53.1	0.0	0.0	122.7

Notes:
Amounts listed in barrels, one barrel is the equivalent of 42 gallons

Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-69	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Jan-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	7.9
Feb-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.9	0.0	0.0	0.0	65.9
Mar-96	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	56.0	0.0	0.0	0.0	57.2
Apr-96	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	45.5	0.0	0.0	0.0	53.4
May-96	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	64.8	0.0	0.0	0.0	64.9
Jun-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.0	49.0	0.0	0.0	0.0	188.0
Jul-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	27.5	0.0	0.0	0.0	52.5
Aug-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	0.0	0.0	0.0	22.3
Sep-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	16.4
Oct-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7
Nov-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.6
Dec-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0
Subtotal 1996	0.0	0.0	0.0	0.0	0.0	0.0	9.2	164.0	362.7	0.0	0.0	0.0	535.9
Jan-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.1	0.0	1.3
Feb-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	3.9	0.0	11.1
Mar-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.2	0.0	2.1	0.0	34.3
Apr-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	3.1	0.0	12.8
May-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	0.0	2.4	0.0	40.2
Jun-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.0	1.2	0.0	29.5
Jul-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	0.0	0.3	0.0	44.3
Aug-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	1.7	0.4	0.0	28.6
Sep-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.3
Oct-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	0.0	0.1	0.0	31.9
Nov-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	0.0	0.1	0.0	20.6
Dec-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	0.0	0.1	0.0	26.5
Subtotal 1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265.6	1.9	14.0	0.0	281.5

Notes:
Amounts listed in barrels, one barrel is the equivalent of 42 gallons

Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-69	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Jan-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	0.0	0.3	0.0	23.8
Feb-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.5	0.0	0.1	0.0	83.6
Mar-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.7	0.1	0.4	0.0	38.2
Apr-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	0.5	1.6	0.0	29.6
May-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	0.0	1.3	0.0	39.7
Jun-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.9	2.8	0.1	0.0	46.8
Jul-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	8.7	16.6	0.0	43.0
Aug-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	5.2	14.7	0.0	37.6
Sep-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.1	5.5	10.2	0.0	87.8
Oct-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	7.7	18.9	0.0	79.6
Nov-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	10.8	12.5	0.0	65.3
Dec-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	24.3	16.9	0.0	95.5
Subtotal 1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	511.3	65.5	93.6	0.0	670.4
Jan-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	0.0	27.2	28.0	87.3
Feb-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	0.0	18.7	21.0	81.1
Mar-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	29.8	147.0	215.8
Apr-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	0.0	18.7	39.0	104.9
May-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	40.2	28.0	86.9
Jun-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	93.5	29.0	131.3
Jul-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	15.7	70.0	94.3
Aug-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	13.5	70.0	91.9
Sep-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.2	0.0	24.3	53.0	153.5
Oct-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124.0	0.0	32.5	100.0	256.5
Nov-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.6	0.0	44.9	110.0	262.5
Dec-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.6	0.0	55.4	101.0	262.0
Subtotal 1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	617.6	0.0	414.4	796.0	1,828.0

Notes:
Amounts listed in barrels, one barrel is the equivalent of 42 gallons

Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-69	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Jan-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.8	0.0	61.8	33.5	206.1
Feb-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.4	0.0	33.5	40.1	188.0
Mar-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.0	0.0	32.7	51.7	230.5
Apr-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	0.0	51.4	97.7	188.0
May-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.1	0.0	32.3	53.8	178.2
Jun-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.4	0.0	21.5	81.9	180.8
Jul-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	0.0	21.1	90.3	171.7
Aug-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	16.0	73.3	91.2
Sep-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	9.5	39.7	49.3
Oct-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	0.0	15.5	25.7	65.2
Nov-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	16.8	60.4	78.6
Dec-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	59.4	83.8
Subtotal 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	667.4	0.0	336.5	707.4	1,711.3
Jan-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	95.2	105.8
Feb-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	13.7	105.5	123.2
Mar-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	71.2	82.8
Apr-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	52.1	59.2
May-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	12.3	87.6	100.9
Jun-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	73.2	84.4
Jul-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3	101.9	133.2
Aug-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	67.9	99.0
Sep-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	1.09	59.1	192.4	259.1
Oct-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.48	0.0	48.5	153.6	203.6
Nov-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.10	43.5	148.9	200.1
Dec-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.06	50.4	194.7	247.2
Subtotal 2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	4.73	330.47	1,344.0	1,698.5

Notes:

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Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-69	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Jan-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.05	54.0	213.3	269.3
Feb-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.71	45.3	141.8	189.8
Mar-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.76	34.2	159.8	196.8
Apr-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.30	30.1	133.9	167.3
May-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.30	36.1	98.6	140.0
Jun-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.66	19.6	112.4	133.6
Jul-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	21.0	119.2	141.1
Aug-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17	11.3	147.4	159.9
Sep-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	13.6	96.1	109.7
Oct-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	15.2	79.5	94.8
Nov-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	18.3	58.0	76.2
Dec-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	11.1	50.4	61.8
Subtotal 2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	20.25	309.54	1,410.42	1,740.2
Jan-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	16.09	63.61	79.7
Feb-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	9.54	58.90	68.4
Mar-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	10.95	43.09	54.0
Apr-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	30.47	75.10	105.6
May-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	93.02	101.21	194.2
Jun-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	45.35	97.74	143.1
Jul-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	41.89	164.31	206.3
Aug-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	25.20	60.44	85.6
Sep-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	22.17	114.05	136.2
Oct-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	51.60	169.27	220.9
Nov-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	33.07	136.61	169.7
Dec-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	36.89	119.40	156.3
Subtotal 2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.06	416.24	1,203.73	1,620.2
Jan-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	26.55	111.09	137.8
Feb-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	25.15	96.76	121.9
Mar-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	22.80	97.58	120.4
Apr-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	16.49	102.24	118.7
May-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	11.39	95.75	107.1
Jun-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	23.48	104.35	127.8
Jul-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	29.70	131.36	161.1
Aug-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	53.19	154.29	207.5
Sep-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	49.14	130.28	179.4
Oct-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	38.86	114.12	153.0
Nov-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	42.93	88.90	131.8
Dec-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	20.61	88.86	109.5
Subtotal 2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	360.29	1,315.58	1,675.9
Jan-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	22.44	145.22	167.7
Feb-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	15.84	93.39	109.2
Mar-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	12.49	90.23	102.7
Apr-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	13.64	95.81	109.5
May-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	23.71	77.66	101.4
Jun-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	16.96	53.83	70.8

Table 7. Summary of Historical Condensate Recovery Data, Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Date	Emergency Response Pumping	Vacuum Truck Recovery	Open Pit Volatilization	Open Frac Tank Volatilization	Shallow Zone Sump 16A	Shallow Zone Sump A-11	Shallow Zone MW-69	Shallow Zone MW-86	Lower Queen Pump and Treat	Vapor Extraction Shallow Zone	Vapor Extraction Lower Queen	Aerobic Biodegradation	Total Condensate Recovery
Jul-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	19.01	103.92	122.9
Aug-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	21.08	127.62	148.7
Sep-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	15.91	128.31	144.2
Oct-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	11.91	92.08	104.0
Nov-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	13.75	82.39	96.1
Dec-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	12.80	73.05	85.9
Subtotal 2005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	199.54	1,163.51	1,363.1
TOTALS	3,692.3	33.0	465.0	4,447.0	3.4	6.6	180.8	164.0	2,651.5	228.05	2,474.5	7,940.6	22,286.8

Notes:

Amounts listed in barrels, one barrel is the equivalent of 42 gallons

Table 8. Groundwater Monitoring Plan
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico.

Shallow Zone

Well ID	Sampling Schedule			
	Month April	Analytical Parameters		
		annual	annual	e/o year
MW-14	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-43	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-46	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-49	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-50	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-54	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-55	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-61	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-65	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-69	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-77	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-78	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-79	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-90	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-91	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-105	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-106	X	BTEX	Chloride, TDS	PAHs, WQCC metals

Lower Queen

Well ID	Sampling Schedule			
	Month April	Analytical Parameters		
		annual	annual	e/o year
MW-57	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-59	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-60	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-61A	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-62	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-63	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-64	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-66	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-67	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-70	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-71	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-73	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-74	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-87	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-87A	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-88	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-89	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-94	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-95	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-96	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-97	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-98	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-104	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-108	X	BTEX	Chloride, TDS	PAHs, WQCC metals
MW-111	X	BTEX	Chloride, TDS	PAHs, WQCC metals

Notes:

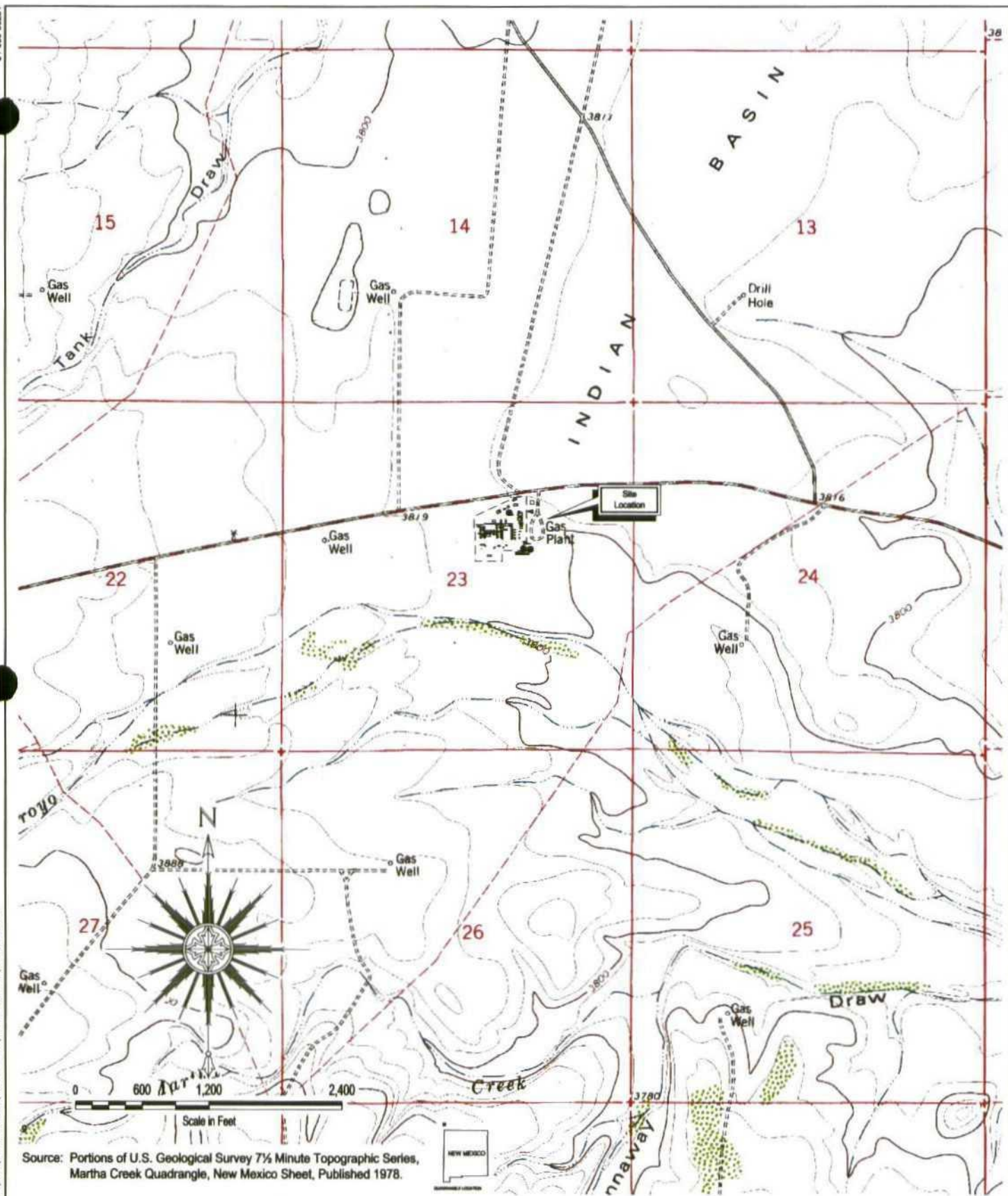
SVOC and WQCC metals analysis will fall on even years (i.e., 2006, 2008, etc.)

PAHs PAHs via Method 8310

WQCC metals New Mexico Water Quality Control Commission metals (dissolved only for arsenic, lead, selenium, a barium, boron, cadmium, chromium, cobalt, copper, iron, manganese, molybdenum, nickel, silver, an

TDS Total Dissolved Solids

e/o year Every other year



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Indian Basin 2005 Annual Report

Site Location

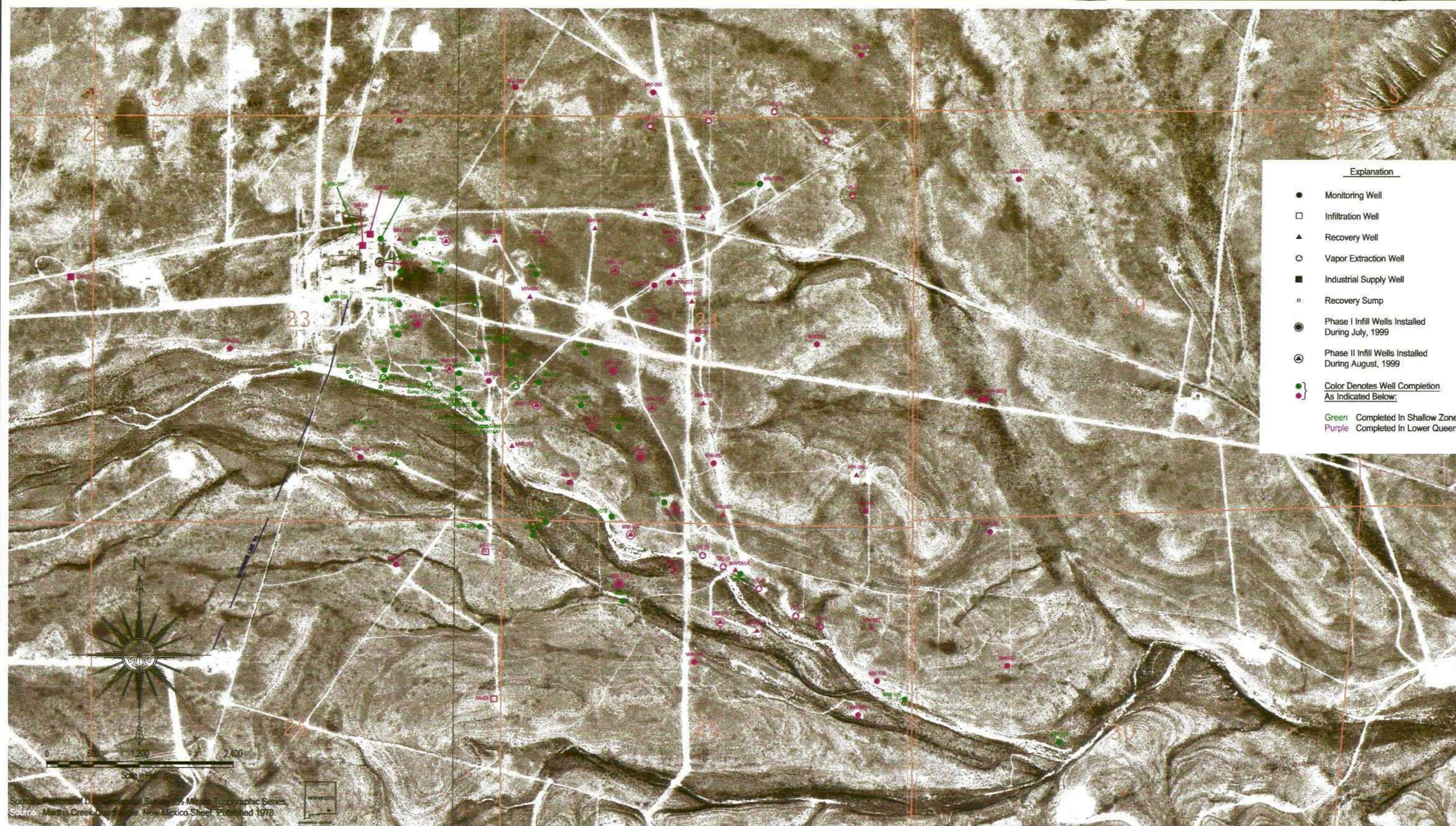
Eddy County, New Mexico

Project Number
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Drawing Date
21 February 2006

Figure

1



Source: Department of Geological Survey, 1:250,000 Topographic Series
 Source: Martha Creek Quadrangle, New Mexico Sheet, Published 1978

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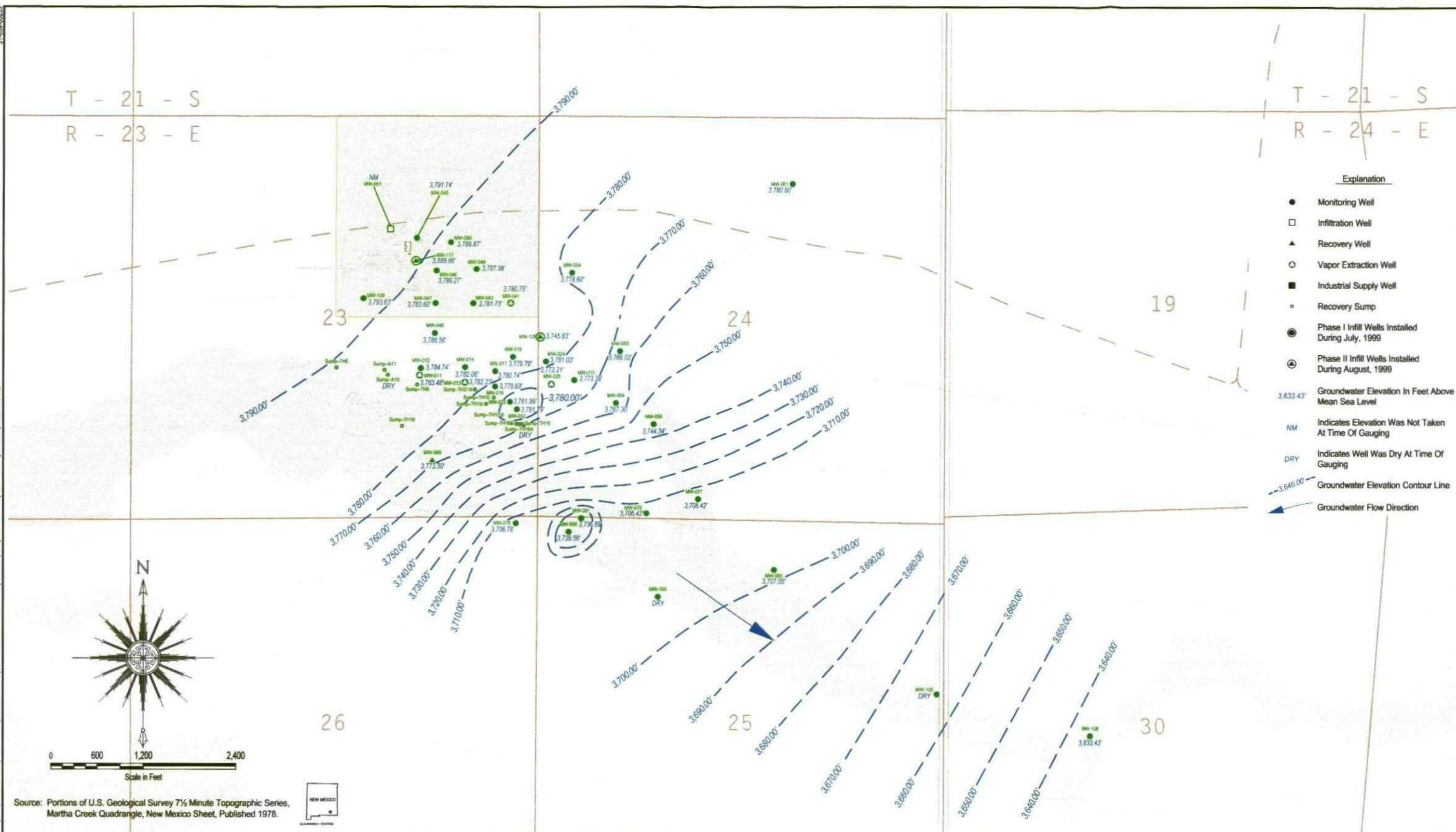
Site Layout

Eddy County, New Mexico

Project Number
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Drawing Date
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Figure



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Shallow Zone Groundwater Elevation Contours
April, 2005

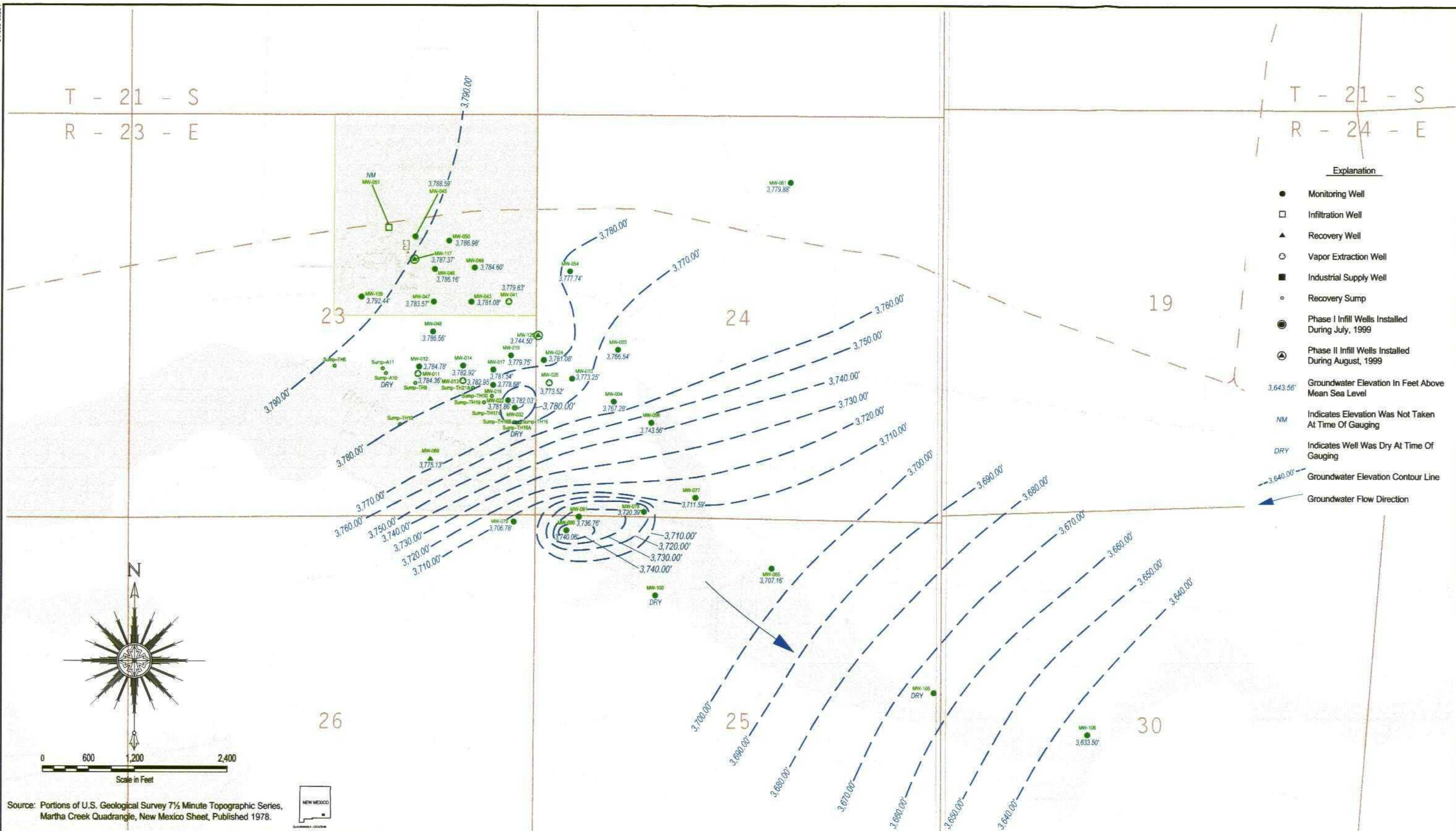
Eddy County, New Mexico

Project Number	MT000888.0001
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Drawing Date
21 February 2006

Figure

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Source: Portions of U.S. Geological Survey 7 1/2 Minute Topographic Series, Martha Creek Quadrangle, New Mexico Sheet, Published 1978.



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Shallow Zone Groundwater Elevation Contours October, 2005

Eddy County, New Mexico

Project Number
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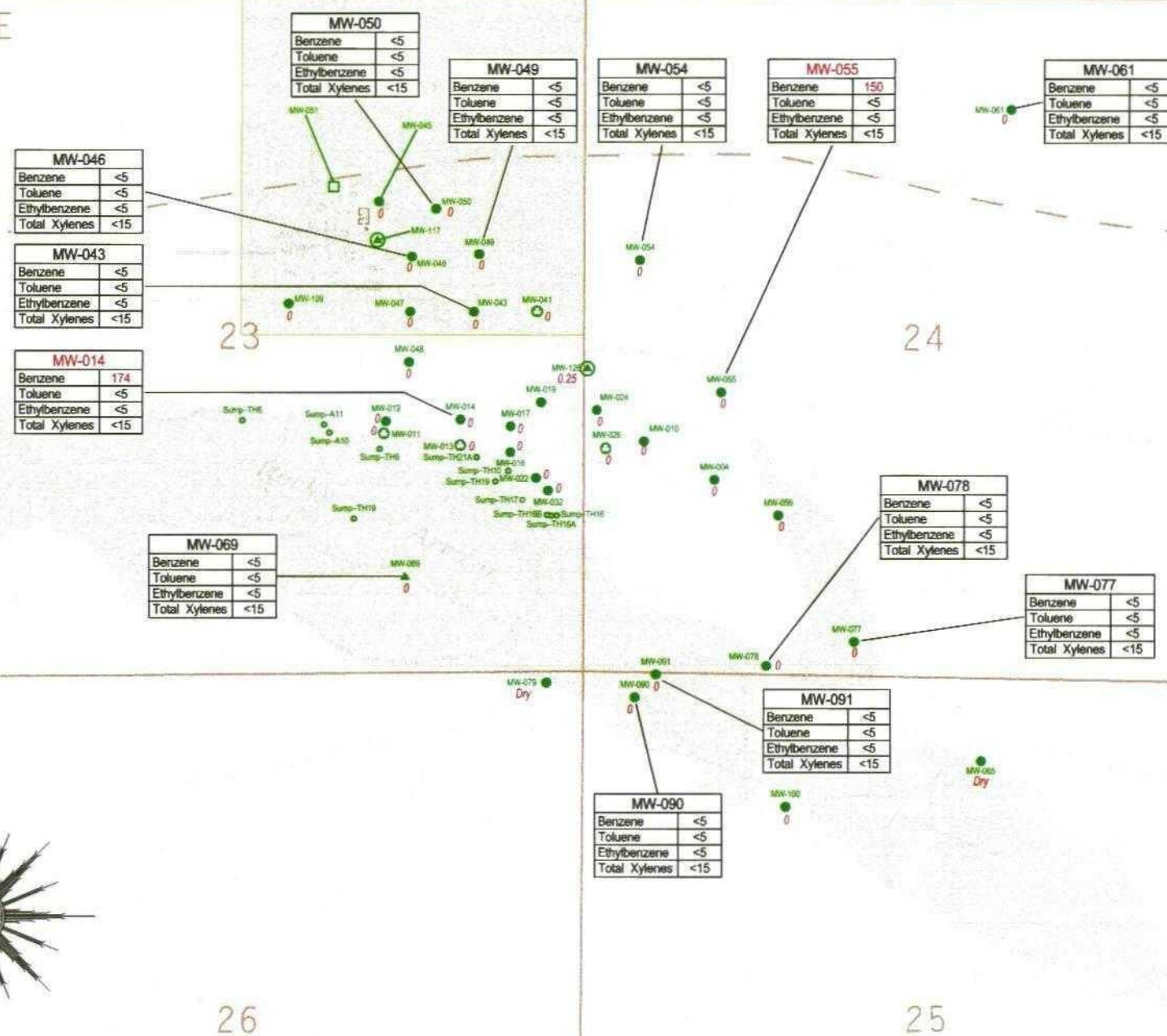
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T - 21 - S
 R - 23 - E



Explanation

- Monitoring Well
- Infiltration Well
- ▲ Recovery Well
- Vapor Extraction Well
- Industrial Supply Well
- ◊ Recovery Sump
- Phase I Infill Wells Installed During July, 1999
- Phase II Infill Wells Installed During August, 1999
- 0.25 Thickness Of Separate-Phase Condensate In Feet
- Dry Indicates Well Was Dry Or Not Enough Water At Time Of Gauging To Collect A Sample

Well ID

Red Indicates BTEX Constituents Present At Concentrations Above Regulatory Limits.

Indicates Constituent Not Detected Above Noted Laboratory Detection Limit (With Limit Shown).

Concentration (µg/L)

Constituent

Benzene	<1
Toluene	<5
Ethylbenzene	<5
Total Xylenes	<15

OCD Cleanup Goals/Regulatory Limits

Benzene	10 µg/L
Toluene	750 µg/L
Ethylbenzene	750 µg/L
Total Xylenes	620 µg/L

Notes:
 OCD New Mexico Energy, Minerals And Natural Resources Department, Oil Conservation Division

µg/L Micrograms Per Liter

mg/L Milligrams Per Liter

Source: Portions of U.S. Geological Survey 7½ Minute Topographic Series, Martha Creek Quadrangle, New Mexico Sheet, Published 1978.



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 Indian Basin 2005 Annual Report

BTEX and Separate-Phase Condensate Distribution
 Shallow Zone April, 2005

Eddy County, New Mexico

Project Number
 MT000888.0001

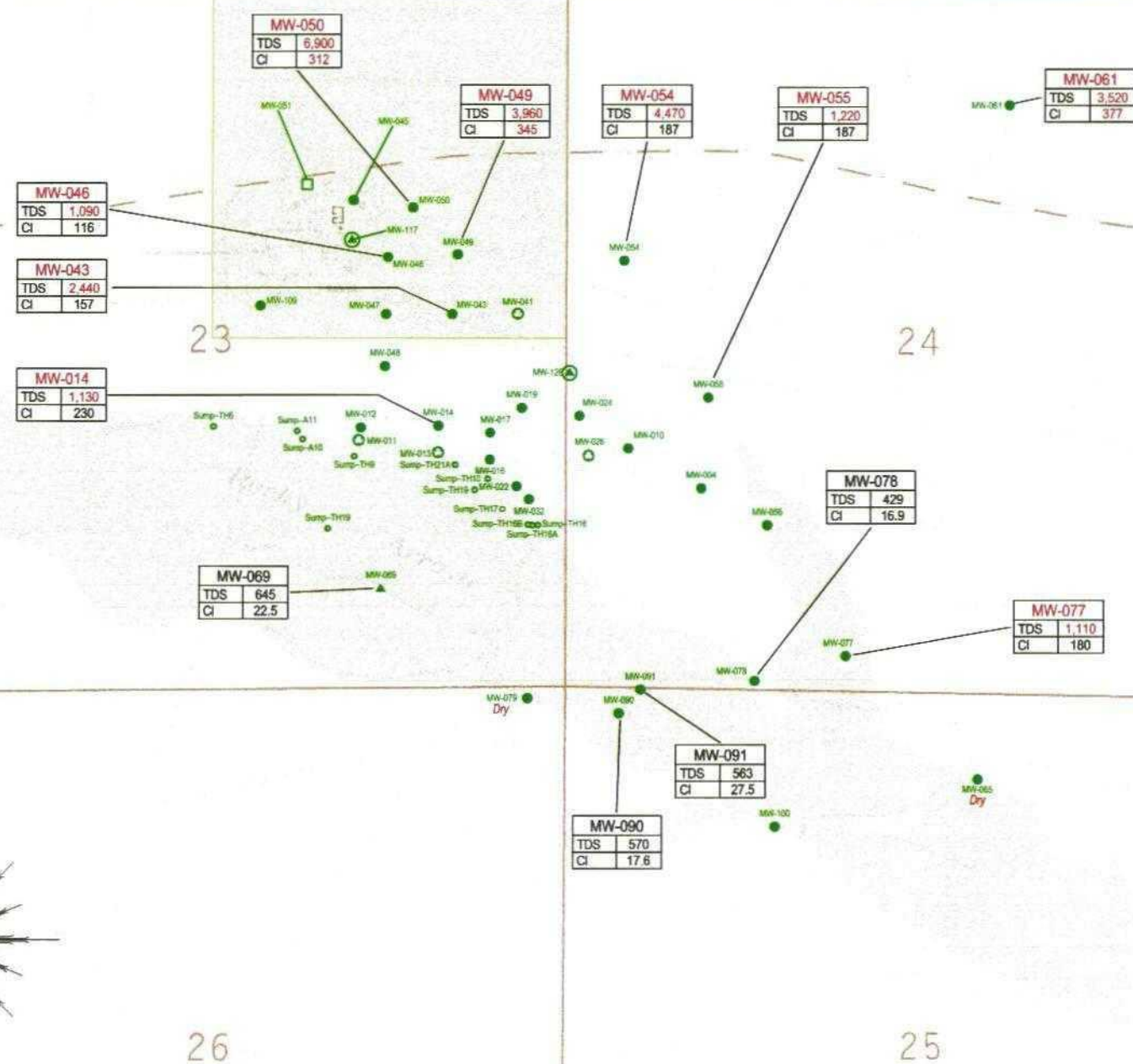
Drawing Date
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Figure

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T - 21 - S
R - 23 - E



- Explanation**
- Monitoring Well
 - Infiltration Well
 - ▲ Recovery Well
 - Vapor Extraction Well
 - Industrial Supply Well
 - Recovery Sump
 - Phase I Infill Wells Installed During July, 1999
 - Phase II Infill Wells Installed During August, 1999
 - Dry Indicates Well Was Dry Or Not Enough Water At Time Of Gauging To Collect A Sample
- Well ID**
- Red Indicates Constituents Present At Concentrations Above Regulatory Limits.
- Indicates Constituent Not Detected Above Noted Laboratory Detection Limit (With Limit Shown).
- Concentration (mg/L)
- Constituent

OCD Cleanup Goals/Regulatory Limits

Wet Chemistry	
Total Dissolved Solids	1,000 mg/L
Chlorides	250 mg/L

Notes:

OCD New Mexico Energy, Minerals And Natural Resources Department, Oil Conservation Division

mg/L Milligrams Per Liter



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Wet Chemistry Constituents
Shallow Zone April, 2005

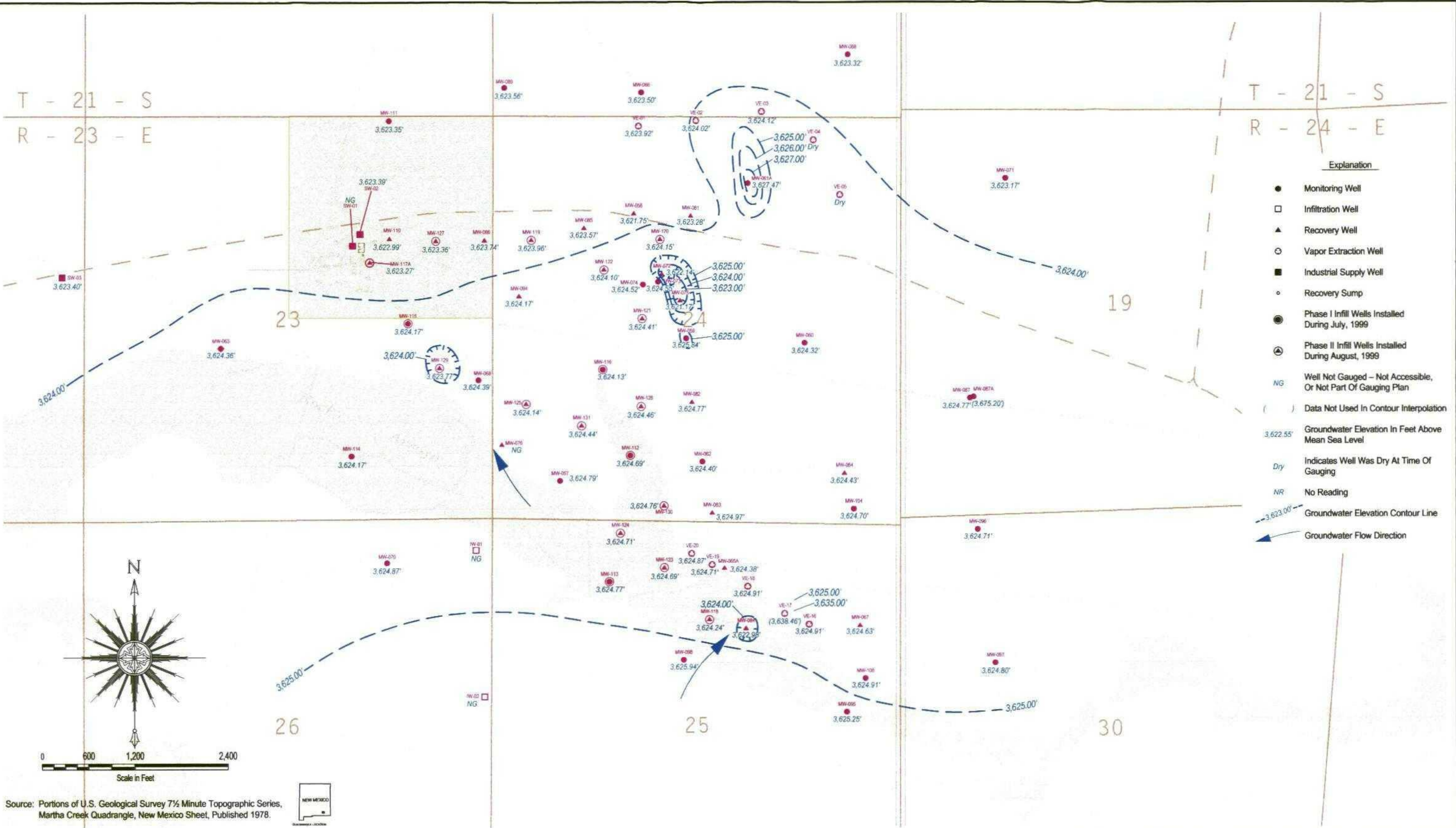
Eddy County, New Mexico

Project Number
MT000888.0001

Drawing Date
21 February 2006

Figure
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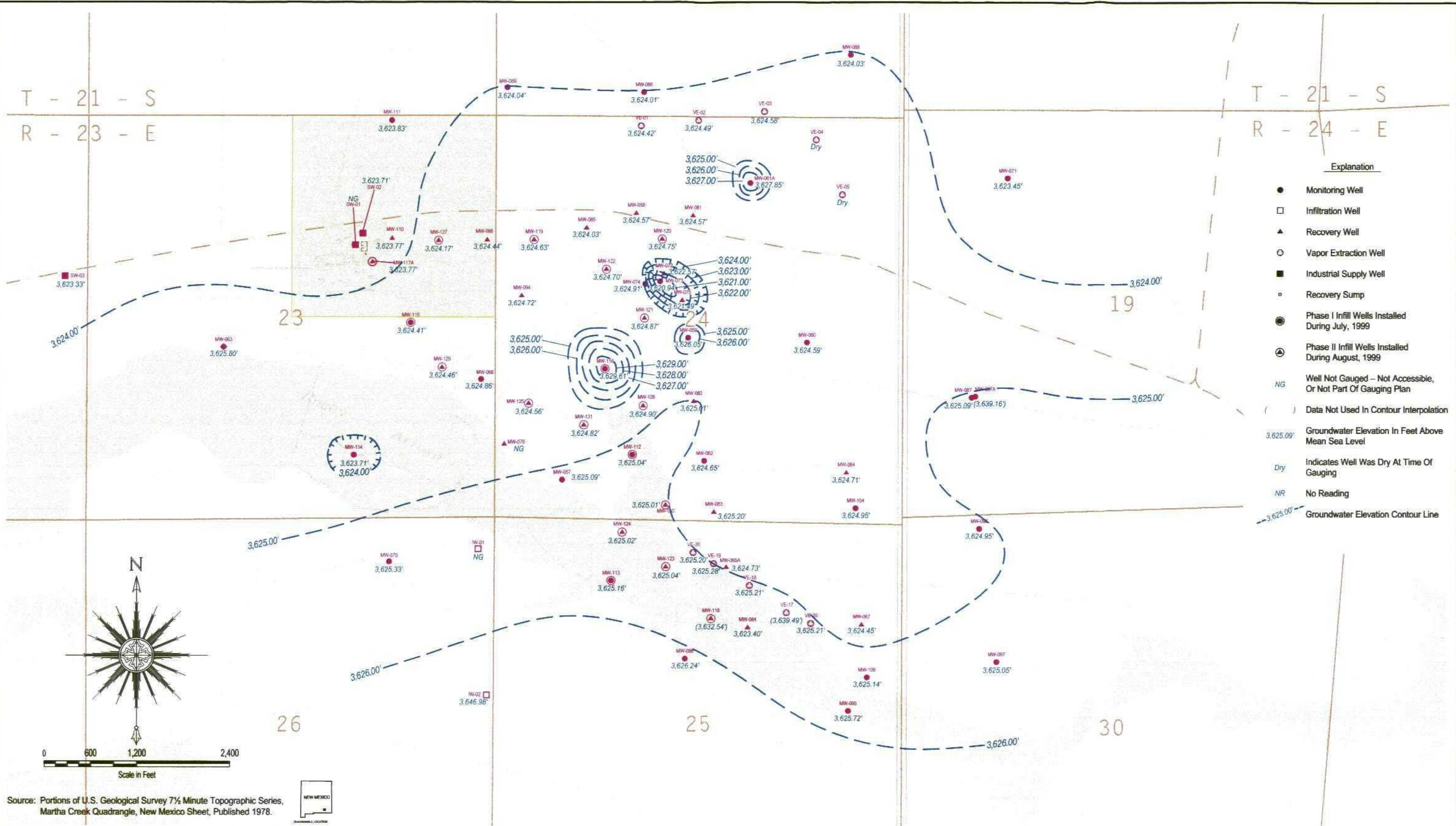
Marathon Oil Company
Indian Basin 2005 Annual Report

Lower Queen Groundwater Elevation Contours
April, 2005

Eddy County, New Mexico

Project Number	MT000888.0001
Drawing Date	21 February 2006
Figure	6

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Explanation

- Monitoring Well
- Infiltration Well
- ▲ Recovery Well
- Vapor Extraction Well
- Industrial Supply Well
- Recovery Sump
- Phase I Infill Wells Installed During July, 1999
- Phase II Infill Wells Installed During August, 1999
- NG Well Not Gauged - Not Accessible, Or Not Part Of Gauging Plan
- () Data Not Used In Contour Interpolation
- 3,625.09' Groundwater Elevation In Feet Above Mean Sea Level
- Dry Indicates Well Was Dry At Time Of Gauging
- NR No Reading
- 3,625.00' Groundwater Elevation Contour Line

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Marathon Oil Company
Indian Basin 2005 Annual Report

Lower Queen Groundwater Elevation Contours October, 2005

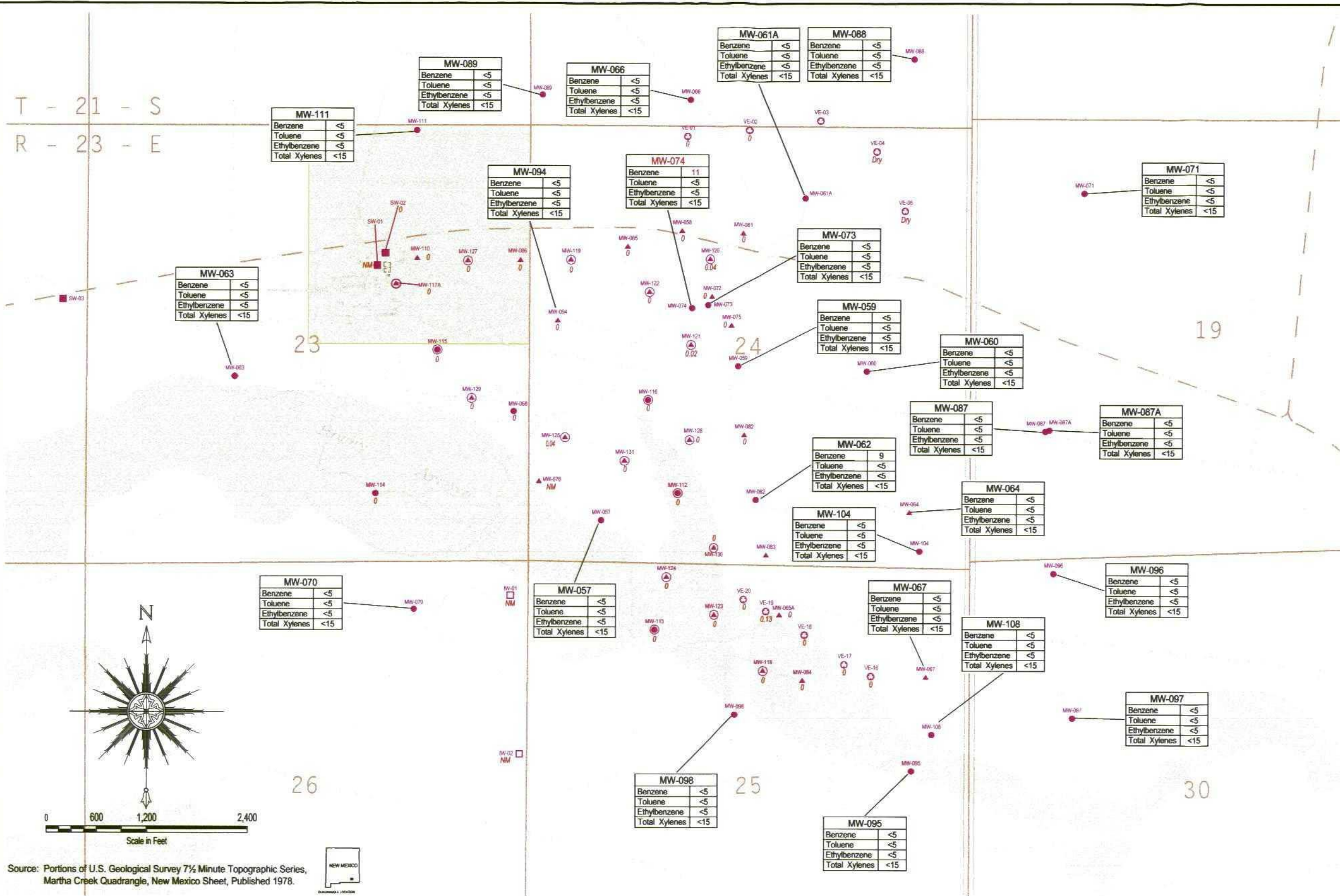
Eddy County, New Mexico

Project Number
MT000888.0001

Drawing Date
21 February 2006

Figure

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Explanation

- Monitoring Well
- Infiltration Well
- ▲ Recovery Well
- Vapor Extraction Well
- Industrial Supply Well
- ◊ Recovery Sump
- Phase I Infill Wells Installed During July, 1999
- Phase II Infill Wells Installed During August, 1999
- 0.13 Thickness Of Separate-Phase Condensate In Feet
- Dry Indicates Well Was Dry At Time Of Gauging
- NM Well Not Gauged; Not Accessible, Or Not Part Of Gauging Plan

Well ID

Red Indicates BTEX Constituents Present At Concentrations Above Regulatory Limits.

Indicates Constituent Not Detected Above Noted Laboratory Detection Limit (With Limit Shown).

Concentration (µg/L)

Constituent

OCD Cleanup Goals/Regulatory Limits

Benzene	10 µg/L
Toluene	750 µg/L
Ethylbenzene	750 µg/L
Total Xylenes	620 µg/L

Notes:

OCD New Mexico Energy, Minerals And Natural Resources Department, Oil Conservation Division

µg/L Micrograms Per Liter



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BTEX and Separate-Phase Condensate Distribution Lower Queen – April, 2005

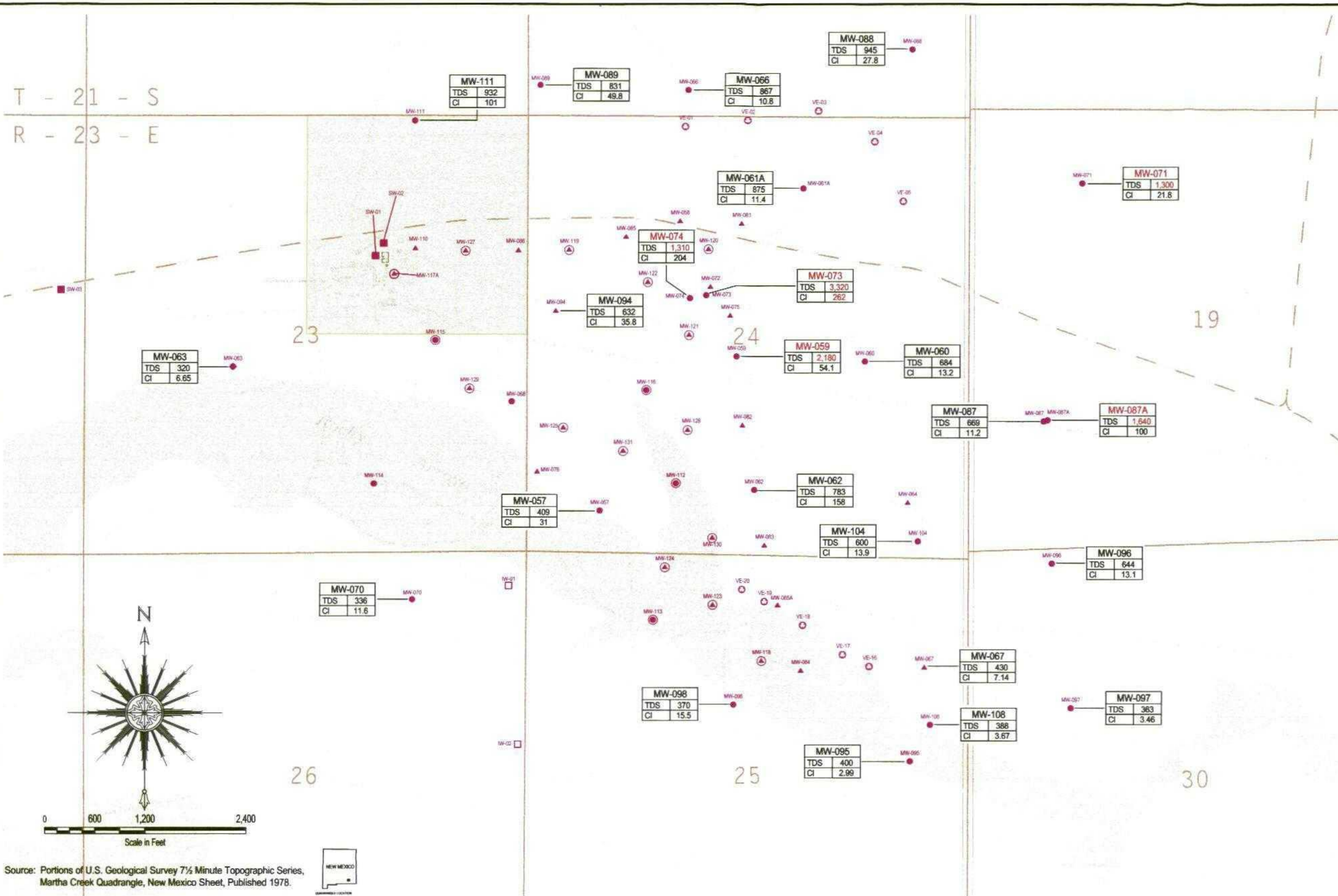
Eddy County, New Mexico

Project Number
MT000888.0001

Drawing Date
21 February 2006

Figure
8

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31-098-0280



- Explanation**
- Monitoring Well
 - Infiltration Well
 - ▲ Recovery Well
 - Vapor Extraction Well
 - Industrial Supply Well
 - Recovery Sump
 - Phase I Infill Wells Installed During July, 1999
 - ▲ Phase II Infill Wells Installed During August, 1999
- Well ID**
- MW-066
TDS 867
Cl 10.8
See Note 1.
See Note 2.
Concentration (mg/L)
Constituent
- OCD Cleanup Goals/Regulatory Limits**
- Wet Chemistry
Total Dissolved Solids 1,000 mg/L
Chlorides 250 mg/L
- Notes:**
- OCD New Mexico Energy, Minerals And Natural Resources Department, Oil Conservation Division
- mg/L Milligrams Per Liter
- Note 1:** Red indicates TDS Or Chlorides Constituents Present At Concentrations Above Regulatory Limits.
- Note 2:** Indicates Constituent Concentration.

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Marathon Oil Company
Indian Basin 2005 Annual Report

Wet Chemistry Constituents
Lower Queen - April 2005

Eddy County, New Mexico

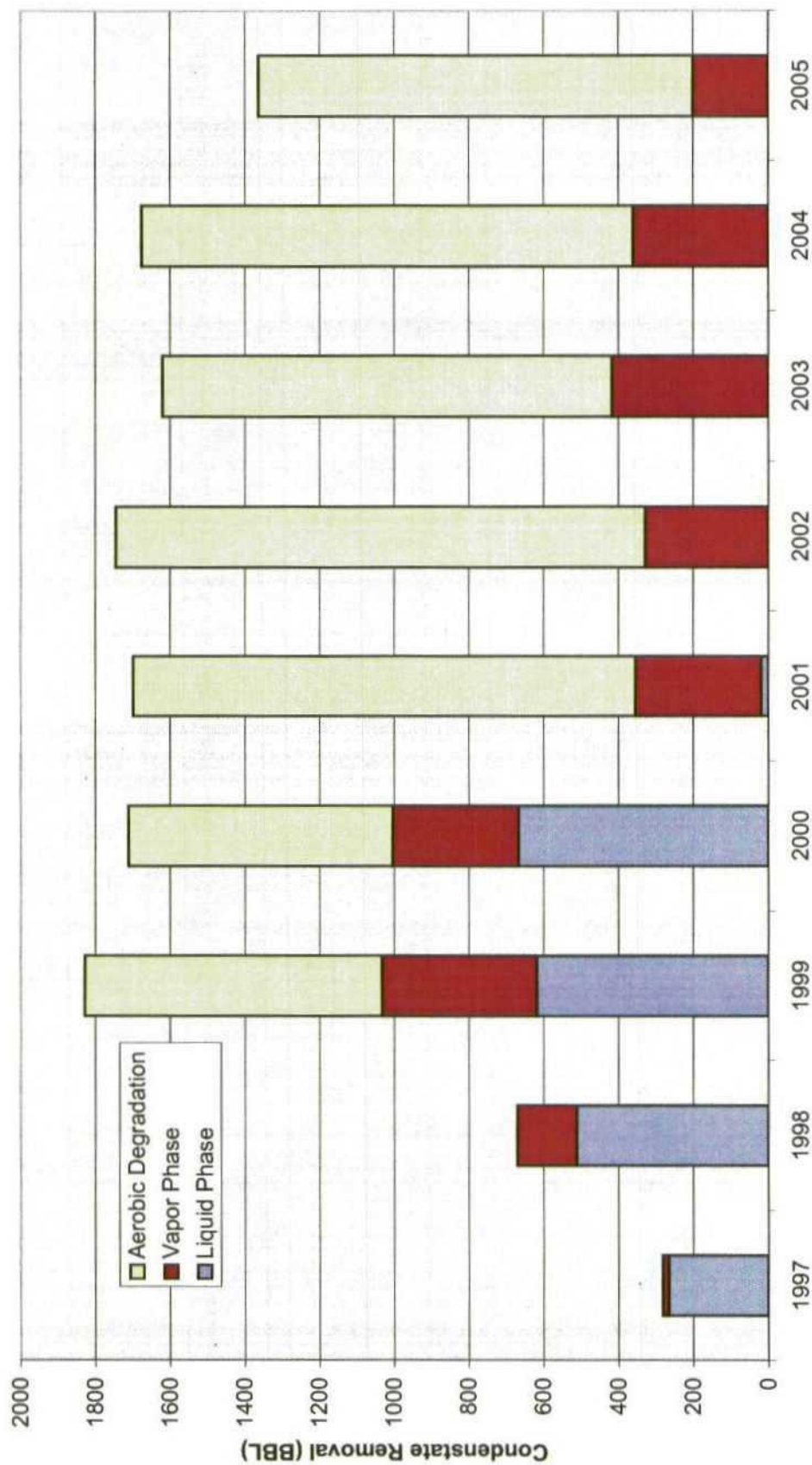
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MT000888.0001

Drawing Date
21 February 2006

Figure
8A

Figure 9 - Estimated Yearly Condensate Removal (1997 - 2005)

Marathon Oil Company
Indian Basin Remediation Project
Eddy County, New Mexico



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Appendix A

Historical Fluid Level Data

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 1 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
Shallow Zone Wells					
MW-1	12/01/91	3792.50	9.68	0	3782.82
MW-1	04/01/96	3792.50	D	--	--
MW-1	01/27/98	3792.50	14.90	0	3777.60
MW-1	06/16/98	3792.50	D	--	--
MW-1	04/26/00	3792.50	14.98	0	3777.52
MW-1	09/27/00	3792.50	D	--	--
MW-1	04/16/01	3792.50	14.80	0	3777.70
MW-1	10/29/01	3792.50	D	--	--
MW-1	04/15/02	3792.50	D	--	--
MW-1	10/14/02	3792.50	D	--	--
MW-1	03/29/03	PLUGGED AND ABANDONED			
MW-2	01/28/98	3788.72	D	--	--
MW-2	06/16/98	3788.72	D	--	--
MW-2	01/16/96	3788.72	D	--	--
MW-2	04/26/00	3788.72	D	--	--
MW-2	09/27/00	3788.72	D	--	--
MW-2	04/16/01	3788.72	D	--	--
MW-2	10/29/01	3788.72	D	--	--
MW-2	04/15/02	3788.72	D	--	--
MW-2	10/14/02	3788.72	D	--	--
MW-2	03/29/03	PLUGGED AND ABANDONED			
MW-3	04/19/96	3787.50	D	--	--
MW-3	07/16/96	3787.50	D	--	--
MW-3	10/13/96	3787.50	D	--	--
MW-3	01/28/98	3787.50	D	--	--
MW-3	06/16/98	3787.50	D	--	--
MW-3	04/26/00	3787.50	D	--	--
MW-3	09/27/00	3787.50	D	--	--
MW-3	04/16/01	3787.50	D	--	--
MW-3	10/29/01	3787.50	D	--	--
MW-3	04/15/02	3787.50	D	--	--
MW-3	10/14/02	3787.50	D	--	--
MW-3	03/26/03	PLUGGED AND ABANDONED			
MW-4	04/15/92	3785.88	18.58	0	3767.30
MW-4	07/01/92	3785.88	17.74	0	3768.14
MW-4	10/01/92	3785.88	18.54	0	3767.34
MW-4	01/01/93	3785.88	18.57	0	3767.31
MW-4	04/01/93	3785.88	18.57	0	3767.31
MW-4	01/28/98	3785.88	D	--	--
MW-4	06/16/98	3785.88	D	--	--
MW-4	01/05/00	3785.88	18.78	0	3767.10
MW-4	04/26/00	3785.88	D	--	--
MW-4	09/27/00	3785.88	D	--	--
MW-4	04/16/01	3785.88	D	--	--
MW-4	10/29/01	3785.88	D	--	--
MW-4	04/15/02	3785.88	D	--	--
MW-4	10/14/02	3785.88	D	--	--
MW-4	4/15/03	3785.88	D	--	--
MW-4	10/14/03	3785.88	D	--	--
MW-4	04/05/04	3785.88	D	--	--
MW-4	10/05/04	3785.88	D	--	--
MW-4	04/19/05	3785.88	18.58	0	3767.30
MW-4	10/24/05	3785.88	18.60	0	3767.28
MW-5	01/16/96	3801.69	D	--	--
MW-5	04/19/96	3801.69	D	--	--
MW-5	07/15/96	3801.69	D	--	--
MW-5	10/13/96	3801.69	D	--	--
MW-5	01/27/98	3801.69	D	--	--
MW-5	06/16/98	3801.69	D	--	--
MW-5	04/26/00	3801.69	D	--	--
MW-5	09/27/00	3801.69	D	--	--
MW-5	04/16/01	3801.69	D	--	--
MW-5	10/29/01	3801.69	D	--	--
MW-5	04/15/02	3801.69	D	--	--
MW-5	10/14/02	3801.69	D	--	--
MW-5	03/29/03	PLUGGED AND ABANDONED			
MW-6	01/16/96	3785.17	D	--	--
MW-6	01/27/98	3785.17	D	--	--
MW-6	06/15/98	3785.17	D	--	--
MW-6	04/26/00	3785.17	D	--	--
MW-6	09/27/00	3785.17	D	--	--
MW-6	04/16/01	3785.17	D	--	--
MW-6	10/29/01	3785.17	D	--	--
MW-6	04/15/02	3785.17	D	--	--
MW-6	10/14/02	3785.17	D	--	--
MW-6	03/29/03	PLUGGED AND ABANDONED			
MW-7	01/16/96	3784.46	D	--	--
MW-7	04/17/96	3784.46	D	--	--
MW-7	07/15/96	3784.46	D	--	--
MW-7	10/13/96	3784.46	D	--	--
MW-7	01/27/98	3784.46	D	--	--
MW-7	06/15/98	3784.46	D	--	--
MW-7	04/26/00	3784.46	D	--	--

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 2 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-7	09/27/00	3784.46	D	--	--
MW-7	04/16/01	3784.46	D	--	--
MW-7	10/29/01	3784.46	D	--	--
MW-7	04/15/02	3784.46	D	--	--
MW-7	10/14/02	3784.46	D	--	--
MW-7	03/29/03	PLUGGED AND ABANDONED			
MW-8	01/16/96	3795.04	D	--	--
MW-8	04/17/96	3795.04	D	--	--
MW-8	10/13/96	3795.04	D	--	--
MW-8	01/27/98	3795.04	D	--	--
MW-8	06/15/98	3795.04	D	--	--
MW-8	04/26/00	3795.04	D	--	--
MW-8	09/27/00	3795.04	D	--	--
MW-8	04/16/01	3795.04	D	--	--
MW-8	10/29/01	3795.04	D	--	--
MW-8	04/15/02	3795.04	D	--	--
MW-8	10/14/02	3795.04	D	--	--
MW-8	03/29/03	PLUGGED AND ABANDONED			
MW-9	01/16/96	3807.85	D	--	--
MW-9	04/17/96	3807.85	D	--	--
MW-9	07/15/96	3807.85	D	--	--
MW-9	10/13/96	3807.85	D	--	--
MW-9	01/27/98	3807.85	D	--	--
MW-9	06/15/98	3807.85	D	--	--
MW-9	04/26/00	3807.85	D	--	--
MW-9	09/27/00	3807.85	D	--	--
MW-9	04/16/01	3807.85	D	--	--
MW-9	10/29/01	3807.85	D	--	--
MW-9	04/15/02	3807.85	D	--	--
MW-9	10/14/02	3807.85	D	--	--
MW-9	03/29/03	PLUGGED AND ABANDONED			
MW-10	12/01/91	3790.78	16.68	0	3774.10
MW-10	04/15/92	3790.78	16.70	0	3774.08
MW-10	07/01/92	3790.78	16.02	0	3774.76
MW-10	10/01/92	3790.78	16.97	0	3773.81
MW-10	01/01/93	3790.78	17.74	0	3773.04
MW-10	04/01/93	3790.78	18.31	0	3772.47
MW-10	01/01/94	3790.78	18.21	0	3772.57
MW-10	01/16/96	3790.78	D	--	--
MW-10	04/17/96	3790.78	D	--	--
MW-10	07/16/96	3790.78	D	--	--
MW-10	10/13/96	3790.78	17.00	0	3773.78
MW-10	02/04/97	3790.78	17.99	0	3772.79
MW-10	03/18/97	3790.78	17.88	0	3772.90
MW-10	04/29/97	3790.78	18.21	0	3772.57
MW-10	07/15/97	3790.78	18.20	0	3772.58
MW-10	10/14/97	3790.78	18.45	0	3772.33
MW-10	01/28/98	3790.78	18.20	0	3772.58
MW-10	04/27/98	3790.78	18.19	0	3772.59
MW-10	06/16/98	3790.78	D	--	--
MW-10	10/10/98	3790.78	18.96	0	3771.82
MW-10	01/27/99	3790.78	18.21	0	3772.57
MW-10	04/19/99	3790.78	18.20	0	3772.58
MW-10	01/05/00	3790.78	18.24	0	3772.54
MW-10	04/26/00	3790.78	18.20	0	3772.58
MW-10	09/27/00	3790.78	D	--	--
MW-10	04/16/01	3790.78	18.40	0	3772.38
MW-10	10/29/01	3790.78	D	--	--
MW-10	04/15/02	3790.78	D	--	--
MW-10	10/14/02	3790.78	D	--	--
MW-10	4/15/03	3790.78	17.91	0	3772.87
MW-10	10/14/03	3790.78	17.91	0	3772.87
MW-10	04/05/04	3790.78	17.26	0	3773.52
MW-10	10/05/04	3790.78	17.02	0	3773.76
MW-10	04/19/05	3790.78	17.40	0	3773.38
MW-10	10/24/05	3790.78	17.53	0	3773.25
MW-11	12/01/91	3806.96	22.08	0	3784.88
MW-11	04/15/92	3806.96	22.73	0	3784.23
MW-11	07/01/92	3806.96	18.00	0	3788.96
MW-11	10/01/92	3806.96	22.47	0	3784.49
MW-11	01/01/93	3806.96	24.03	0	3782.93
MW-11	04/01/93	3806.96	24.38	0	3782.58
MW-11	10/01/93	3806.96	24.43	0	3782.53
MW-11	01/01/94	3806.96	24.30	0	3782.66
MW-11	04/01/94	3806.96	24.38	0	3782.58
MW-11	07/01/94	3806.96	24.34	0	3782.62
MW-11	10/01/94	3806.96	22.23	0	3784.73
MW-11	04/01/95	3806.96	24.23	0	3782.73
MW-11	07/01/95	3806.96	23.80	0	3783.16
MW-11	10/01/95	3806.96	22.01	0	3784.95
MW-11	01/16/96	3806.96	23.91	0	3783.05
MW-11	04/19/96	3806.96	23.97	0	3782.99
MW-11	07/15/96	3806.96	20.05	0	3786.91
MW-11	10/13/96	3806.96	20.46	0	3786.50
MW-11	02/04/97	3806.96	23.22	0	3783.74
MW-11	04/28/97	3806.96	23.40	0	3783.56

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 3 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-11	06/17/98	3806.96	24.20	0	3782.76
MW-11	04/19/99	3806.96	D	--	--
MW-11	01/05/00	3806.96	24.30	0	3782.66
MW-11	04/26/00	3806.96	24.31	0	3782.65
MW-11	09/27/00	3806.96	24.28	0	3782.68
MW-11	04/16/01	3806.96	23.95	0	3783.01
MW-11	10/29/01	3806.96	23.45	0	3783.51
MW-11	04/15/02	3806.96	24.28	0	3782.68
MW-11	10/14/02	3806.96	18.13	0	3788.83
MW-11	4/15/03	3806.96	23.63	0	3783.33
MW-11	10/14/03	3806.96	23.74	0	3783.22
MW-11	04/05/04	3806.96	24.25	0	3782.71
MW-11	10/05/04	3806.96	17.80	0	3789.16
MW-11	04/19/05	3806.96	23.48	0	3783.48
MW-11	10/24/05	3806.96	22.60	0	3784.36
MW-12					
MW-12	06/16/98	3809.96	D	--	--
MW-12	04/26/00	3809.96	25.00	0	3784.96
MW-12	09/27/00	3809.96	D	--	--
MW-12	04/16/01	3809.96	25.00	0	3784.96
MW-12	10/29/01	3809.96	25.01	0	3784.95
MW-12	04/15/02	3809.96	24.98	0	3784.88
MW-12	10/14/02	3809.96	21.06	0	3788.80
MW-12	4/15/03	3809.86	25.11	0	3784.75
MW-12	10/14/03	3809.86	25.12	0	3784.74
MW-12	04/05/04	3809.86	25.14	0	3784.72
MW-12	10/05/04	3809.86	20.66	0	3789.20
MW-12	04/19/05	3809.86	25.12	0	3784.74
MW-12	10/24/05	3809.86	25.08	0	3784.78
MW-13					
MW-13	12/01/91	3801.58	18.14	0	3783.44
MW-13	04/15/92	3801.58	18.92	0	3782.66
MW-13	01/01/95	3801.58	19.76	0	3781.82
MW-13	04/01/95	3801.58	20.34	0	3781.24
MW-13	07/01/95	3801.58	20.36	0	3781.22
MW-13	10/01/95	3801.58	18.41	0	3783.17
MW-13	01/16/96	3801.58	19.83	0.08	3781.80
MW-13	04/19/96	3801.58	19.89	0.09	3781.75
MW-13	07/15/96	3801.58	17.15	0.08	3784.48
MW-13	10/13/96	3801.58	17.39	0	3784.19
MW-13	02/04/97	3801.58	19.15	0	3782.43
MW-13	03/18/97	3801.58	19.31	0	3782.27
MW-13	04/28/97	3801.58	19.34	0	3782.24
MW-13	06/17/98	3801.58	20.74	0	3780.84
MW-13	04/19/99	3801.58	21.52	0.27	3780.26
MW-13	01/05/00	3801.58	20.07	0	3781.51
MW-13	04/26/00	3801.58	20.64	0	3780.94
MW-13	09/27/00	3801.58	21.16	0	3780.42
MW-13	04/16/01	3801.58	19.96	0	3781.62
MW-13	10/29/01	3801.58	19.69	0	3781.89
MW-13	04/15/02	3801.58	20.62	0	3780.96
MW-13	10/14/02	3801.58	16.04	0	3785.54
MW-13	04/15/03	3801.58	19.63	0	3781.95
MW-13	10/14/03	3801.58	19.95	0	3781.63
MW-13	04/05/04	3801.58	21.16	0	3780.42
MW-13	10/05/04	3801.58	15.61	0	3785.97
MW-13	04/19/05	3801.58	19.35	0	3782.23
MW-13	10/24/05	3801.58	18.63	0	3782.95
MW-14					
MW-14	12/01/91	3803.61	19.69	0	3793.93
MW-14	10/01/93	3803.61	22.55	0	3781.06
MW-14	01/01/94	3803.61	22.78	0	3780.83
MW-14	01/27/98	3803.61	22.36	0	3781.25
MW-14	06/16/98	3803.61	22.88	0	3780.73
MW-14	04/19/99	3803.61	23.74	0.24	3780.05
MW-14	01/05/00	3803.61	22.22	0	3781.39
MW-14	04/26/00	3803.61	22.74	0.03	3780.89
MW-14	09/27/00	3803.61	23.40	0.09	3780.28
MW-14	04/16/01	3803.61	22.15	0.01	3781.47
MW-14	10/29/01	3803.61	21.98	0.08	3781.69
MW-14	04/15/02	3803.61	22.81	0	3780.80
MW-14	10/14/02	3803.61	18.17	0	3785.44
MW-14	04/15/03	3803.61	21.87	0	3781.74
MW-14	10/14/03	3803.61	22.19	0	3781.42
MW-14	04/05/04	3803.61	23.45	0.01	3780.17
MW-14	10/05/04	3803.61	18.36	0	3785.25
MW-14	04/19/05	3803.61	21.55	0	3782.06
MW-14	10/24/05	3803.61	20.69	0	3782.92
MW-15					
MW-15	12/01/91	3803.59	19.68	0	3793.91
MW-15	01/27/98	3803.59	19.28	0	3784.31
MW-15	06/16/98	3803.59	D	--	--
MW-15	01/05/00	3803.59	19.37	0	3784.22
MW-15	04/26/00	3803.59	19.30	0	3784.29
MW-15	09/27/00	3803.59	D	--	--
MW-15	04/16/01	3803.59	19.32	--	3784.27
MW-15	10/29/01	3803.59	19.36	--	3784.23
MW-15	04/15/02	3803.59	D	--	--
MW-15	10/14/02	3803.59	D	--	--

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 4 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-15	03/29/03	PLUGGED AND ABANDONED			
MW-16	12/01/91	3801.04	13.68	0	3781.36
MW-16	04/01/93	3801.04	22.32	0	3778.72
MW-16	07/01/93	3801.04	22.25	0	3778.79
MW-16	01/27/98	3801.04	22.37	0	3778.67
MW-16	06/16/98	3801.04	D	--	--
MW-16	01/05/00	3801.04	22.38	0	3778.66
MW-16	04/26/00	3801.04	22.37	0	3778.67
MW-16	09/27/00	3801.04	22.42	0	3778.62
MW-16	04/16/01	3801.04	22.41	0	3778.63
MW-16	10/29/01	3801.04	22.33	0	3778.71
MW-16	04/15/02	3801.04	22.41	0	3778.63
MW-16	10/14/02	3801.04	18.41	0	3782.63
MW-16	04/15/03	3801.04	22.43	0	3778.61
MW-16	10/14/03	3801.04	22.44	0	3778.60
MW-16	04/05/04	3801.04	22.40	0	3778.64
MW-16	10/05/04	3801.04	19.99	0	3781.05
MW-16	04/19/05	3801.04	22.41	0	3778.63
MW-16	10/24/05	3801.04	22.36	0	3778.68
MW-17	12/01/91	3799.55	9.68	0	3789.87
MW-17	04/01/93	3799.55	18.68	0	3780.87
MW-17	07/01/93	3799.55	19.13	0	3780.42
MW-17	10/01/93	3799.55	19.11	0	3780.44
MW-17	01/01/94	3799.55	19.27	0	3780.28
MW-17	01/27/98	3799.55	19.20	0	3780.35
MW-17	06/17/98	3799.55	D	--	--
MW-17	01/05/00	3799.55	19.10	0	3780.45
MW-17	04/26/00	3799.55	19.54	0	3780.01
MW-17	09/27/00	3799.55	D	--	--
MW-17	04/16/01	3799.55	18.14	0	3781.41
MW-17	10/29/01	3799.55	18.61	0	3780.94
MW-17	04/15/02	3799.55	19.42	0	3780.13
MW-17	10/14/02	3799.55	16.49	0	3783.06
MW-17	04/15/03	3799.55	18.81	0	3780.74
MW-17	10/14/03	3799.55	19.13	0	3780.42
MW-17	04/05/04	3799.55	20.01	0	3779.54
MW-17	10/05/04	3799.55	16.42	0	3783.13
MW-17	04/19/05	3799.55	18.81	0	3780.74
MW-17	10/24/05	3799.55	18.01	0	3781.54
MW-18	12/01/91	3795.82	9.68	0	3786.14
MW-18	04/15/92	3795.82	15.25	0	3780.57
MW-18	07/01/92	3795.82	11.08	0	3784.74
MW-18	10/01/92	3795.82	15.89	0	3779.93
MW-18	01/01/93	3795.82	17.05	0	3778.77
MW-18	04/01/93	3795.82	17.13	0	3778.69
MW-18	01/27/98	3795.82	17.30	0	3778.52
MW-18	06/16/98	3795.82	D	--	--
MW-18	01/05/00	3795.82	D	--	--
MW-18	04/26/00	3795.82	D	--	--
MW-18	09/27/00	3795.82	D	--	--
MW-18	04/16/01	3795.82	D	--	--
MW-18	10/29/01	3795.82	D	--	--
MW-18	04/15/02	3795.82	D	--	--
MW-18	10/14/02	3795.82	D	--	--
MW-18	03/29/03	PLUGGED AND ABANDONED			
MW-19	04/15/92	3797.21	16.50	0	3780.71
MW-19	07/01/92	3797.21	12.15	0	3785.06
MW-19	10/01/92	3797.21	17.16	0	3780.05
MW-19	01/01/93	3797.21	18.85	0	3778.36
MW-19	04/01/93	3797.21	18.93	0	3778.28
MW-19	01/16/96	3797.21	19.04	0	3778.17
MW-19	04/19/96	3797.21	19.06	0	3778.15
MW-19	07/16/96	3797.21	19.04	0	3778.17
MW-19	10/13/96	3797.21	16.09	0	3781.12
MW-19	02/04/97	3797.21	18.34	0	3778.87
MW-19	03/18/97	3797.21	18.50	0	3778.71
MW-19	04/28/97	3797.21	18.84	0	3778.37
MW-19	06/17/98	3797.21	18.88	0	3778.33
MW-19	04/19/99	3797.21	18.80	0	3778.41
MW-19	01/05/00	3797.21	18.75	0	3778.46
MW-19	04/26/00	3797.21	18.81	0	3778.40
MW-19	09/27/00	3797.21	18.74	0	3778.47
MW-19	04/16/01	3797.21	18.60	0	3778.61
MW-19	10/29/01	3797.21	18.76	0	3778.45
MW-19	04/15/02	3797.21	18.83	0	3778.38
MW-19	10/14/02	3797.21	16.26	0	3780.95
MW-19	04/15/03	3797.21	18.87	0	3778.34
MW-19	10/14/03	3797.21	18.92	0	3778.29
MW-19	04/05/04	3797.21	18.94	0	3778.27
MW-19	10/05/04	3797.21	16.11	0	3781.10
MW-19	04/19/05	3797.21	17.42	0	3779.79
MW-19	10/24/05	3797.21	17.46	0	3779.75
MW-20	12/01/91	3797.59	9.68	0	3787.91
MW-20	01/27/98	3797.59	D	--	--
MW-20	06/17/98	3797.59	D	--	--

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 5 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-20	01/05/00	3797.59	16.08	0	3781.51
MW-20	04/26/00	3797.59	D	--	--
MW-20	09/27/00	3797.59	D	--	--
MW-20	04/16/01	3797.59	D	--	--
MW-20	10/29/01	3797.59	D	--	--
MW-20	04/15/02	3797.59	D	--	--
MW-20	10/14/02	3797.59	D	--	--
MW-20	03/29/03	PLUGGED AND ABANDONED		--	--
MW-21					
MW-21	12/01/91	3798.21	9.89	0	3788.33
MW-21	04/01/93	3798.21	22.63	0	3775.58
MW-21	07/01/93	3798.21	22.88	0	3775.33
MW-21	10/01/93	3798.21	23.13	0	3775.08
MW-21	01/27/98	3798.21	23.03	0	3775.18
MW-21	06/16/98	3798.21	D	--	--
MW-21	01/05/00	3798.21	22.89	0	3775.32
MW-21	04/26/00	3798.21	23.03	0	3775.18
MW-21	09/27/00	3798.21	23.04	0	3775.17
MW-21	04/16/01	3798.21	22.80	0	3775.41
MW-21	10/29/01	3798.21	22.31	0	3775.90
MW-21	04/15/02	3798.21	22.98	0	3775.23
MW-21	10/14/02	3798.21	16.02	0	3782.19
MW-21	03/29/03	PLUGGED AND ABANDONED		--	--
MW-22					
MW-22	12/01/91	3799.20	9.69	0	3789.52
MW-22	04/15/92	3799.20	17.16	0	3782.04
MW-22	07/01/92	3799.20	17.07	0	3782.13
MW-22	10/01/92	3799.20	17.29	0	3781.91
MW-22	01/01/93	3799.20	17.29	0	3781.91
MW-22	04/01/93	3799.20	17.29	0	3781.91
MW-22	01/27/98	3799.20	17.20	0	3782.00
MW-22	06/16/98	3799.20	D	--	--
MW-22	01/05/00	3799.20	17.19	0	3782.01
MW-22	04/26/00	3799.20	17.32	0	3781.88
MW-22	09/27/00	3799.20	17.37	0	3781.83
MW-22	04/16/01	3799.20	17.40	0	3781.80
MW-22	10/29/01	3799.20	D	--	--
MW-22	04/15/02	3799.20	D	--	--
MW-22	10/14/02	3799.20	D	--	--
MW-22	04/15/03	3799.20	17.21	0	3781.99
MW-22	10/14/03	3799.20	17.25	0	3781.95
MW-22	04/05/04	3799.20	17.21	0	3781.99
MW-22	10/05/04	3799.20	17.17	0	3782.03
MW-22	04/19/05	3799.20	17.21	0	3781.99
MW-22	10/24/05	3799.20	17.17	0	3782.03
MW-23					
MW-23	01/28/98	3794.48	D	--	--
MW-23	06/16/98	3794.48	D	--	--
MW-23	04/26/00	3794.48	D	--	--
MW-23	09/27/00	3794.48	D	--	--
MW-23	04/16/01	3794.48	D	--	--
MW-23	10/29/01	3794.48	D	--	--
MW-23	04/15/02	3794.48	D	--	--
MW-23	10/14/02	3794.48	D	--	--
MW-23	03/29/03	PLUGGED AND ABANDONED		--	--
MW-24					
MW-24	12/01/91	3794.09	9.68	0	3784.41
MW-24	04/15/92	3794.09	12.90	0	3781.19
MW-24	07/01/92	3794.09	14.09	0	3780.00
MW-24	10/01/92	3794.09	12.92	0	3781.17
MW-24	01/16/96	3794.09	D	--	--
MW-24	04/19/96	3794.09	D	--	--
MW-24	07/16/96	3794.09	D	--	--
MW-24	10/13/96	3794.09	D	--	--
MW-24	01/27/98	3794.09	12.92	0	3781.17
MW-24	06/16/98	3794.09	D	--	--
MW-24	04/26/00	3794.09	12.95	0	3781.14
MW-24	09/27/00	3794.09	12.93	0	3781.16
MW-24	04/16/01	3794.09	12.97	0	3781.12
MW-24	10/29/01	3794.09	12.94	0	3781.15
MW-24	04/15/02	3794.09	12.94	0	3781.15
MW-24	10/14/02	3794.09	13.03	0	3781.06
MW-24	04/15/03	3794.09	13.01	0	3781.08
MW-24	10/14/03	3794.09	12.90	0	3781.19
MW-24	04/05/04	3794.09	13.01	0	3781.08
MW-24	10/05/04	3794.09	13.02	0	3781.07
MW-24	04/19/05	3794.09	13.06	0	3781.03
MW-24	10/24/05	3794.09	13.01	0	3781.08
MW-25					
MW-25	01/28/98	3786.97	D	--	--
MW-25	06/16/98	3786.97	D	--	--
MW-25	04/26/00	3786.97	D	--	--
MW-25	09/27/00	3786.97	D	--	--
MW-25	04/16/01	3786.97	D	--	--
MW-25	10/29/01	3786.97	D	--	--
MW-25	04/15/02	3786.97	D	--	--
MW-25	10/14/02	3786.97	D	--	--
MW-25	03/29/03	PLUGGED AND ABANDONED		--	--
MW-26					
MW-26	12/01/91	3793.01	9.68	0	3783.33

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 6 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-26	07/01/92	3793.01	16.37	0	3776.64
MW-26	10/01/92	3793.01	19.66	0	3773.35
MW-26	01/01/93	3793.01	20.41	0	3772.60
MW-26	04/01/93	3793.01	20.72	0	3772.29
MW-26	07/01/93	3793.01	20.77	0	3772.24
MW-26	10/01/93	3793.01	20.78	0	3772.23
MW-26	01/01/94	3793.01	20.77	0	3772.24
MW-26	06/17/98	3793.01	D	--	--
MW-26	01/05/00	3793.01	20.77	0	3772.24
MW-26	04/26/00	3793.01	20.77	0	3772.24
MW-26	09/27/00	3793.01	20.80	0	3772.21
MW-26	04/16/01	3793.01	20.00	0	3773.01
MW-26	10/29/01	3793.01	21.06	0	3771.95
MW-26	04/15/02	3793.01	D	--	--
MW-26	10/14/02	3793.01	D	--	--
MW-26	04/15/03	3793.01	20.05	0	3772.96
MW-26	10/14/03	3793.01	21.07	0	3771.94
MW-26	04/05/04	3793.01	20.14	0	3772.87
MW-26	10/05/04	3793.01	19.86	0	3773.15
MW-26	04/19/05	3793.01	19.80	0	3773.21
MW-26	10/24/05	3793.01	19.49	0	3773.52
MW-27					
MW-27	01/28/98	3790.93	D	--	--
MW-27	06/16/98	3790.93	D	--	--
MW-27	04/26/00	3790.93	D	--	--
MW-27	09/27/00	3790.93	D	--	--
MW-27	04/16/01	3790.93	D	--	--
MW-27	10/29/01	3790.93	D	--	--
MW-27	04/15/02	3790.93	D	--	--
MW-27	10/14/02	3790.93	D	--	--
MW-27	03/25/03	PLUGGED AND ABANDONED			
MW-28					
MW-28	12/01/91	3797.03	19.23	0	3777.80
MW-28	01/27/98	3797.03	18.48	0	3778.55
MW-28	06/16/98	3797.03	D	--	--
MW-28	01/05/00	3797.03	19.11	0	3777.92
MW-28	04/26/00	3797.03	19.09	0	3777.94
MW-28	09/27/00	3797.03	D	--	--
MW-28	04/16/01	3797.03	19.11	--	3777.92
MW-28	10/29/01	3797.03	D	--	--
MW-28	04/15/02	3797.03	D	--	--
MW-28	10/14/02	3797.03	D	--	--
MW-28	03/29/03	PLUGGED AND ABANDONED			
MW-29					
MW-29	01/15/96	3794.06	D	--	--
MW-29	04/19/96	3794.06	D	--	--
MW-29	07/16/96	3794.06	D	--	--
MW-29	10/13/96	3794.06	D	--	--
MW-29	01/28/98	3794.06	D	--	--
MW-29	06/16/98	3794.06	D	--	--
MW-29	04/26/00	3794.06	D	--	--
MW-29	09/27/00	3794.06	D	--	--
MW-29	04/16/01	3794.06	D	--	--
MW-29	10/29/01	3794.06	D	--	--
MW-29	04/15/02	3794.06	D	--	--
MW-29	10/14/02	3794.06	D	--	--
MW-29	03/29/03	PLUGGED AND ABANDONED			
MW-30					
MW-30	12/01/91	3788.30	14.75	0	3773.55
MW-30	01/28/98	3788.30	D	--	--
MW-30	06/16/98	3788.30	D	--	--
MW-30	04/26/00	3788.30	D	--	--
MW-30	09/27/00	3788.30	D	--	--
MW-30	04/16/01	3788.30	D	--	--
MW-30	10/29/01	3788.30	D	--	--
MW-30	04/15/02	3788.30	D	--	--
MW-30	10/14/02	3788.30	D	--	--
MW-30	03/29/03	PLUGGED AND ABANDONED			
MW-31					
MW-31	12/01/91	3791.15	18.05	0	3772.90
MW-31	04/15/92	3791.15	19.00	0	3772.15
MW-31	07/01/92	3791.15	18.50	0	3772.65
MW-31	10/01/92	3791.15	19.00	0	3772.15
MW-31	01/01/93	3791.15	19.44	0	3771.71
MW-31	04/01/93	3791.15	19.64	0	3771.51
MW-31	01/28/98	3791.15	19.03	0	3772.12
MW-31	06/16/98	3791.15	D	--	--
MW-31	01/05/00	3791.15	19.06	0	3772.09
MW-31	04/26/00	3791.15	19.03	0	3772.12
MW-31	09/27/00	3791.15	19.04	0	3772.11
MW-31	04/16/01	3791.15	19.04	0	3772.11
MW-31	10/29/01	3791.15	19.05	0	3772.10
MW-31	04/15/02	3791.15	18.98	0	3772.17
MW-31	10/14/02	3791.15	18.98	0	3772.17
MW-31	03/29/03	PLUGGED AND ABANDONED			
MW-32					
MW-32	07/01/92	3797.47	15.35	0	3782.12
MW-32	01/16/96	3797.47	D	--	--
MW-32	04/19/96	3797.47	D	--	--
MW-32	07/15/96	3797.47	D	--	--

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 7 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-32	10/13/96	3797.47	D	--	--
MW-32	01/27/98	3797.47	15.70	0	3781.77
MW-32	06/16/98	3797.47	D	--	--
MW-32	04/26/00	3797.47	15.65	0	3781.82
MW-32	09/27/00	3797.47	D	--	--
MW-32	04/16/01	3797.47	15.69	0	3781.78
MW-32	10/29/01	3797.47	D	--	--
MW-32	04/15/02	3797.47	D	--	--
MW-32	10/14/02	3797.47	D	--	--
MW-32	04/15/03	3797.47	16.90	0	3780.57
MW-32	10/14/03	3797.47	15.71	0	3781.76
MW-32	04/05/04	3797.47	15.69	0	3781.78
MW-32	10/05/04	3797.47	15.59	0	3781.88
MW-32	04/19/05	3797.47	15.68	0	3781.79
MW-32	10/24/05	3797.47	15.61	0	3781.86
MW-33	12/01/91	3802.48	19.02	0	3783.46
MW-33	01/01/93	3802.48	19.91	0	3782.57
MW-33	07/01/93	3802.48	19.91	0	3782.57
MW-33	01/27/98	3802.48	19.91	0	3782.57
MW-33	06/16/98	3802.48	19.97	0	3782.51
MW-33	01/05/00	3802.48	19.94	0	3782.54
MW-33	04/26/00	3802.48	19.92	0	3782.56
MW-33	09/27/00	3802.48	19.92	0	3782.56
MW-33	04/16/01	3802.48	19.92	0	3782.56
MW-33	10/29/01	3802.48	19.94	0	3782.54
MW-33	04/15/02	3802.48	19.98	0	3782.50
MW-33	10/15/02	3802.48	17.66	0	3784.82
MW-33	03/29/03	PLUGGED AND ABANDONED			
MW-34	12/01/91	3806.00	19.72	0	3786.28
MW-34	01/27/98	3806.00	D	--	--
MW-34	06/16/98	3806.00	D	--	--
MW-34	01/05/00	3806.00	19.81	0	3786.19
MW-34	04/26/00	3806.00	19.77	0	3786.23
MW-34	09/27/00	3806.00	D	--	--
MW-34	04/16/01	3806.00	19.80	0	3786.20
MW-34	10/29/01	3806.00	19.85	0	3786.15
MW-34	04/15/02	3806.00	19.81	0	3786.19
MW-34	10/14/02	3806.00	19.69	0	3786.31
MW-34	03/29/03	PLUGGED AND ABANDONED			
MW-35	12/01/91	3800.81	16.24	0	3782.57
MW-35	07/01/93	3800.81	19.77	0	3781.04
MW-35	10/01/93	3800.81	19.81	0	3781.00
MW-35	01/01/94	3800.81	20.09	0	3780.72
MW-35	01/27/98	3800.81	20.10	0	3780.71
MW-35	06/16/98	3800.81	20.57	0	3780.24
MW-35	01/05/00	3800.81	19.78	0	3781.03
MW-35	04/26/00	3800.81	20.23	0	3780.58
MW-35	09/27/00	3800.81	20.58	0	3780.23
MW-35	04/16/01	3800.81	19.75	0	3781.06
MW-35	10/29/01	3800.81	19.35	0	3781.46
MW-35	04/15/02	3800.81	20.25	0	3780.56
MW-35	10/14/02	3800.81	17.02	0	3783.79
MW-35	03/29/03	PLUGGED AND ABANDONED			
MW-36	01/27/98	3792.94	D	--	--
MW-36	06/16/98	3792.94	D	--	--
MW-36	01/05/00	3792.94	D	--	--
MW-36	04/26/00	3792.94	D	--	--
MW-36	09/27/00	3792.94	D	--	--
MW-36	04/16/01	3792.94	D	--	--
MW-36	10/29/01	3792.94	D	--	--
MW-36	04/15/02	3792.94	D	--	--
MW-36	10/15/02	3792.94	D	--	--
MW-36	03/29/03	PLUGGED AND ABANDONED			
MW-37	12/01/91	3795.03	11.72	0	3783.31
MW-37	04/01/93	3795.03	19.96	0	3775.07
MW-37	07/01/93	3795.03	20.11	0	3774.92
MW-37	10/01/93	3795.03	20.19	0	3774.84
MW-37	01/01/94	3795.03	20.21	0	3774.82
MW-37	01/27/98	3795.03	19.37	0	3775.66
MW-37	06/16/98	3795.03	19.82	0	3775.21
MW-37	01/05/00	3795.03	17.58	0	3777.45
MW-37	04/26/00	3795.03	18.29	0	3776.74
MW-37	09/27/00	3795.03	19.25	0	3775.78
MW-37	04/16/01	3795.03	17.30	0	3777.73
MW-37	10/29/01	3795.03	18.72	0	3776.31
MW-37	04/15/02	3795.03	17.72	0	3777.31
MW-37	10/14/02	3795.03	16.89	0	3778.14
MW-37	03/29/03	PLUGGED AND ABANDONED			
MW-38	12/01/91	3797.32	13.46	0	3783.84
MW-38	04/15/92	3797.32	16.54	0	3780.78
MW-38	07/01/92	3797.32	12.42	0	3784.90
MW-38	10/01/92	3797.32	17.66	0	3779.66
MW-38	01/01/93	3797.32	20.24	0	3777.08
MW-38	04/01/93	3797.32	20.42	0	3776.90

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 8 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-38	07/01/93	3797.32	20.23	0	3777.09
MW-38	10/01/93	3797.32	20.30	0	3777.02
MW-38	01/16/96	3797.32	D	--	--
MW-38	04/19/96	3797.32	D	--	--
MW-38	07/15/96	3797.32	D	--	--
MW-38	10/13/96	3797.32	16.54	0	3780.78
MW-38	02/03/97	3797.32	19.96	0	3777.36
MW-38	04/28/97	3797.32	20.30	0	3777.02
MW-38	07/15/97	3797.32	20.38	0	3776.94
MW-38	10/13/97	3797.32	20.22	0	3777.10
MW-38	01/27/98	3797.32	20.18	0	3777.14
MW-38	04/27/98	3797.32	20.32	0	3777.00
MW-38	06/16/98	3797.32	D	--	--
MW-38	10/09/98	3797.32	20.41	0	3776.91
MW-38	01/27/99	3797.32	19.78	0	3777.54
MW-38	04/19/99	3797.32	20.01	0	3777.31
MW-38	01/05/00	3797.32	19.41	0	3777.91
MW-38	04/26/00	3797.32	19.29	0	3778.03
MW-38	09/27/00	3797.32	20.31	0	3777.01
MW-38	04/16/01	3797.32	19.33	0	3777.99
MW-38	10/29/01	3797.32	20.26	0	3777.06
MW-38	04/15/02	3797.32	19.75	0	3777.57
MW-38	10/14/02	3797.32	19.08	0	3778.24
MW-38	03/29/03	PLUGGED AND ABANDONED			
MW-39	12/01/91	3796.20	13.05	0	3783.15
MW-39	01/01/93	3796.20	17.15	0	3779.05
MW-39	04/01/93	3796.20	22.32	0	3773.88
MW-39	07/01/93	3796.20	17.78	0	3778.42
MW-39	10/01/93	3796.20	18.10	0	3778.10
MW-39	01/01/94	3796.20	18.72	0	3777.48
MW-39	04/01/94	3796.20	19.07	0	3777.13
MW-39	07/01/94	3796.20	19.29	0	3776.91
MW-39	10/01/94	3796.20	19.23	0	3776.97
MW-39	01/01/95	3796.20	19.57	0	3776.63
MW-39	04/01/95	3796.20	19.84	0	3776.36
MW-39	07/01/95	3796.20	19.84	0	3776.36
MW-39	10/01/95	3796.20	20.03	0	3776.17
MW-39	01/16/96	3796.20	20.29	0	3775.91
MW-39	04/19/96	3796.20	20.32	0	3775.88
MW-39	07/15/96	3796.20	20.30	0	3775.90
MW-39	10/13/96	3796.20	15.70	0	3780.50
MW-39	02/03/97	3796.20	17.11	0	3779.09
MW-39	04/28/97	3796.20	17.44	0	3778.76
MW-39	07/14/97	3796.20	17.41	0	3778.79
MW-39	10/13/97	3796.20	18.60	0	3777.60
MW-39	01/27/98	3796.20	19.20	0	3777.00
MW-39	04/27/98	3796.20	19.25	0	3776.95
MW-39	06/16/98	3796.20	19.41	0	3776.79
MW-39	10/09/98	3796.20	20.04	0	3776.16
MW-39	01/27/99	3796.20	20.04	0	3776.16
MW-39	04/19/99	3796.20	20.03	0	3776.17
MW-39	01/05/00	3796.20	D	--	--
MW-39	04/26/00	3796.20	D	--	--
MW-39	09/27/00	3796.20	D	--	--
MW-39	04/16/01	3796.20	D	--	--
MW-39	10/29/01	3796.20	D	--	--
MW-39	04/15/02	3796.20	D	--	--
MW-39	10/14/02	3796.20	D	--	--
MW-39	03/29/03	PLUGGED AND ABANDONED			
MW-40	04/01/93	3803.12	18.68	0	3784.44
MW-40	01/27/98	3803.12	D	--	--
MW-40	06/16/98	3803.12	D	--	--
MW-40	04/26/00	3803.12	D	--	--
MW-40	09/27/00	3803.12	D	--	--
MW-40	04/16/01	3803.12	D	--	--
MW-40	10/29/01	3803.12	D	--	--
MW-40	04/15/02	3803.12	D	--	--
MW-40	10/14/02	3803.12	D	--	--
MW-40	03/29/03	PLUGGED AND ABANDONED			
MW-41	12/01/91	3799.04	14.61	0	3784.43
MW-41	01/01/93	3799.04	19.18	0	3779.86
MW-41	07/01/93	3799.04	19.28	0	3779.76
MW-41	10/01/93	3799.04	19.74	0	3779.30
MW-41	01/01/94	3799.04	19.82	0	3779.22
MW-41	04/01/94	3799.04	21.19	0	3777.85
MW-41	07/01/94	3799.04	20.52	0	3778.52
MW-41	10/01/94	3799.04	19.60	0	3779.44
MW-41	01/01/95	3799.04	19.87	0	3779.17
MW-41	04/01/95	3799.04	19.82	0	3779.22
MW-41	07/01/95	3799.04	19.82	0	3779.22
MW-41	10/01/95	3799.04	20.58	0	3778.46
MW-41	01/16/96	3799.04	20.06	0	3778.98
MW-41	04/19/96	3799.04	20.10	0	3778.94
MW-41	07/15/96	3799.04	20.06	0	3778.98
MW-41	10/13/96	3799.04	19.02	0	3780.02
MW-41	02/03/97	3799.04	18.98	0	3780.06
MW-41	03/18/97	3799.04	19.09	0	3779.95

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 9 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-41	04/28/97	3799.04	18.98	0	3780.06
MW-41	07/14/97	3799.04	18.85	0	3780.19
MW-41	04/27/98	3799.04	19.26	0	3779.78
MW-41	06/17/98	3799.04	19.37	0	3779.67
MW-41	10/09/98	3799.04	19.18	0	3779.86
MW-41	01/27/99	3799.04	18.72	0	3780.32
MW-41	04/19/99	3799.04	18.81	0	3780.23
MW-41	01/05/00	3799.04	18.61	0	3780.43
MW-41	04/26/00	3799.04	18.72	0	3780.32
MW-41	09/27/00	3799.04	18.84	0	3780.20
MW-41	04/16/01	3799.04	18.55	0	3780.49
MW-41	10/29/01	3799.04	18.60	0	3780.44
MW-41	04/15/02	3799.04	18.38	0	3780.66
MW-41	10/14/02	3799.04	18.96	0	3780.08
MW-41	04/15/03	3799.04	19.48	0	3779.56
MW-41	10/14/03	3799.04	21.24	0	3777.80
MW-41	04/05/04	3799.04	20.00	0	3779.04
MW-41	10/05/04	3799.04	17.61	0	3781.43
MW-41	04/19/05	3799.04	18.29	0	3780.75
MW-41	10/24/05	3799.04	19.41	0	3779.63
MW-42	12/01/91	3804.73	19.98	0	3784.75
MW-42	07/01/93	3804.73	22.63	0	3782.10
MW-42	10/01/93	3804.73	22.89	0	3781.84
MW-42	01/01/94	3804.73	23.13	0	3781.60
MW-42	01/27/98	3804.73	21.94	0	3782.79
MW-42	06/16/98	3804.73	D	--	--
MW-42	01/05/00	3804.73	23.50	0	3781.23
MW-42	04/26/00	3804.73	D	--	--
MW-42	09/27/00	3804.73	D	--	--
MW-42	04/16/01	3804.73	D	--	--
MW-42	10/29/01	3804.73	D	--	--
MW-42	04/15/02	3804.73	D	--	--
MW-42	10/14/02	3804.73	D	--	--
MW-42	03/29/03	PLUGGED AND ABANDONED			
MW-43	12/01/91	3802.05	17.38	0	3784.67
MW-43	07/01/93	3802.05	21.33	0	3780.72
MW-43	10/01/93	3802.05	21.18	0	3780.87
MW-43	01/01/94	3802.05	21.27	0	3780.78
MW-43	04/01/94	3802.05	22.38	0	3779.67
MW-43	07/01/94	3802.05	21.41	0	3780.64
MW-43	10/01/94	3802.05	21.41	0	3780.64
MW-43	01/01/95	3802.05	21.44	0	3780.61
MW-43	04/01/95	3802.05	21.53	0	3780.52
MW-43	07/01/95	3802.05	21.53	0	3780.52
MW-43	10/01/95	3802.05	21.80	0	3780.25
MW-43	01/16/96	3802.05	21.75	0	3780.30
MW-43	04/19/96	3802.05	21.70	0	3780.35
MW-43	07/15/96	3802.05	21.44	0	3780.61
MW-43	10/13/96	3802.05	20.13	0	3781.92
MW-43	02/03/97	3802.05	20.71	0	3781.34
MW-43	04/28/97	3802.05	20.49	0	3781.56
MW-43	07/14/97	3802.05	20.39	0	3781.66
MW-43	10/13/97	3802.05	20.78	0	3781.27
MW-43	01/27/98	3802.05	20.55	0	3781.50
MW-43	04/27/98	3802.05	20.72	0	3781.33
MW-43	06/16/98	3802.05	20.89	0	3781.16
MW-43	10/09/98	3802.05	21.16	0	3780.89
MW-43	01/27/99	3802.05	20.40	0	3781.65
MW-43	04/19/99	3802.05	20.55	0	3781.50
MW-43	01/05/00	3802.05	20.58	0	3781.47
MW-43	04/26/00	3802.05	20.65	0	3781.40
MW-43	09/27/00	3802.05	20.83	0	3781.22
MW-43	04/16/01	3802.05	20.55	0	3781.50
MW-43	10/29/01	3802.05	20.43	0	3781.62
MW-43	04/15/02	3802.05	20.51	0	3781.54
MW-43	10/14/02	3802.05	20.72	0	3781.33
MW-43	04/15/03	3802.05	21.04	0	3781.01
MW-43	10/14/03	3802.05	21.68	0	3780.37
MW-43	04/05/04	3802.05	22.88	0	3779.17
MW-43	10/05/04	3802.05	19.60	0	3782.45
MW-43	04/19/05	3802.05	20.32	0	3781.73
MW-43	10/24/05	3802.05	20.97	0	3781.08
MW-44	12/01/91	3804.14	17.85	0	3786.29
MW-44	04/15/92	3804.14	19.40	0	3784.74
MW-44	07/01/92	3804.14	17.27	0	3786.87
MW-44	10/01/92	3804.14	20.28	0	3783.86
MW-44	01/01/93	3804.14	21.20	0	3782.94
MW-44	04/01/93	3804.14	21.48	0	3782.66
MW-44	07/01/93	3804.14	21.63	0	3782.51
MW-44	10/01/93	3804.14	21.58	0	3782.56
MW-44	01/01/94	3804.14	21.68	0	3782.46
MW-44	04/01/94	3804.14	22.02	0	3782.12
MW-44	07/01/94	3804.14	22.13	0	3782.01
MW-44	10/01/94	3804.14	21.58	0	3782.56
MW-44	01/01/95	3804.14	21.88	0	3782.26
MW-44	04/01/95	3804.14	22.26	0	3781.88
MW-44	07/01/95	3804.14	22.26	0	3781.88

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 10 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-44	10/01/95	3804.14	21.84	0	3782.30
MW-44	01/16/96	3804.14	21.86	0	3782.28
MW-44	04/19/96	3804.14	21.88	0	3782.26
MW-44	07/15/96	3804.14	21.75	0	3782.39
MW-44	10/13/96	3804.14	19.32	0	3784.82
MW-44	02/03/97	3804.14	20.79	0	3783.35
MW-44	04/28/97	3804.14	20.43	0	3783.71
MW-44	07/14/97	3804.14	20.31	0	3783.83
MW-44	10/13/97	3804.14	20.73	0	3783.41
MW-44	01/27/98	3804.14	20.66	0	3783.48
MW-44	04/27/98	3804.14	20.84	0	3783.30
MW-44	06/16/98	3804.14	21.04	0	3783.10
MW-44	10/09/98	3804.14	20.71	0	3783.43
MW-44	01/27/99	3804.14	20.01	0	3784.13
MW-44	04/19/99	3804.14	20.41	0	3783.73
MW-44	01/05/00	3804.14	19.96	0	3784.18
MW-44	04/26/00	3804.14	20.27	0	3783.87
MW-44	09/27/00	3804.14	20.39	0	3783.75
MW-44	04/16/01	3804.14	19.85	0	3784.29
MW-44	10/29/01	3804.14	19.78	0	3784.36
MW-44	04/15/02	3804.14	20.03	0	3784.11
MW-44	10/14/02	3804.14	20.43	0	3783.71
MW-44	03/29/03	PLUGGED AND ABANDONED			
MW-45	12/01/91	3808.68	13.91	0	3794.77
MW-45	07/01/93	3808.68	21.49	0	3787.19
MW-45	10/01/93	3808.68	21.47	0	3787.21
MW-45	01/01/94	3808.68	21.54	0	3787.14
MW-45	04/01/94	3808.68	22.64	0	3786.04
MW-45	07/01/94	3808.68	21.85	0	3786.83
MW-45	10/01/94	3808.68	21.52	0	3787.16
MW-45	01/01/95	3808.68	21.78	0	3786.90
MW-45	04/01/95	3808.68	22.13	0	3786.55
MW-45	07/01/95	3808.68	22.13	0	3786.55
MW-45	01/05/00	3808.68	18.88	0	3789.80
MW-45	04/26/00	3808.68	19.19	0	3789.49
MW-45	09/27/00	3808.68	19.19	0	3789.49
MW-45	04/16/01	3808.68	18.39	0	3790.29
MW-45	10/29/01	3808.68	18.53	0	3790.15
MW-45	04/15/02	3808.68	18.75	0	3789.93
MW-45	10/14/02	3808.68	18.39	0	3790.29
MW-45	04/15/03	3808.68	21.36	0	3787.32
MW-45	10/14/03	3808.68	21.35	0	3787.33
MW-45	04/05/04	3808.68	21.69	0	3786.99
MW-45	10/05/04	3808.68	14.09	0	3794.59
MW-45	04/19/05	3808.68	16.94	0	3791.74
MW-45	10/24/05	3808.68	20.09	0	3788.59
MW-46	10/01/93	3805.54	19.87	0	3785.67
MW-46	01/01/94	3805.54	19.42	0	3786.12
MW-46	04/01/94	3805.54	19.59	0	3785.95
MW-46	10/01/94	3805.54	19.20	0	3786.34
MW-46	04/01/95	3805.54	19.55	0	3785.99
MW-46	07/01/95	3805.54	19.55	0	3785.99
MW-46	01/16/96	3805.54	19.48	0	3786.06
MW-46	04/19/96	3805.54	19.52	0	3786.02
MW-46	07/15/96	3805.54	19.41	0	3786.13
MW-46	10/13/96	3805.54	15.73	0	3789.81
MW-46	02/04/97	3805.54	18.22	0	3787.32
MW-46	04/28/97	3805.54	16.93	0	3788.61
MW-46	07/14/97	3805.54	17.15	0	3788.39
MW-46	10/13/97	3805.54	18.01	0	3787.53
MW-46	01/27/98	3805.54	17.54	0	3788.00
MW-46	04/27/98	3805.54	18.34	0	3787.20
MW-46	06/16/98	3805.54	18.69	0	3786.85
MW-46	10/10/98	3805.54	17.82	0	3787.72
MW-46	01/27/99	3805.54	16.91	0	3788.63
MW-46	04/19/99	3805.54	17.44	0	3788.10
MW-46	01/05/00	3805.54	16.76	0	3788.78
MW-46	04/26/00	3805.54	17.17	0	3788.37
MW-46	09/27/00	3805.54	17.42	0	3788.12
MW-46	04/16/01	3805.54	16.68	0	3788.86
MW-46	10/29/01	3805.54	16.79	0	3788.75
MW-46	04/15/02	3805.54	17.49	0	3788.05
MW-46	10/14/02	3805.54	17.83	0	3787.71
MW-46	04/15/03	3805.54	19.38	0	3786.16
MW-46	10/14/03	3805.54	19.62	0	3785.92
MW-46	04/05/04	3805.54	19.63	0	3785.91
MW-46	10/05/04	3805.54	13.05	0	3792.49
MW-46	04/19/05	3805.54	16.27	0	3789.27
MW-46	10/24/05	3805.54	19.38	0	3786.16
MW-47	12/01/91	3805.09	18.49	0	3786.60
MW-47	07/01/93	3805.09	21.37	0	3783.72
MW-47	01/16/96	3805.09	D	--	--
MW-47	04/19/96	3805.09	D	--	--
MW-47	07/15/96	3805.09	D	--	--
MW-47	10/13/96	3805.09	19.66	0	3785.43
MW-47	02/04/97	3805.09	21.51	0	3783.58
MW-47	04/28/97	3805.09	21.46	0	3783.63

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 11 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-47	07/14/97	3805.09	21.54	0	3783.55
MW-47	10/13/97	3805.09	21.48	0	3783.61
MW-47	01/27/98	3805.09	21.80	0	3783.29
MW-47	04/27/98	3805.09	21.50	0	3783.59
MW-47	06/16/98	3805.09	21.62	0	3783.47
MW-47	10/10/98	3805.09	21.54	0	3783.55
MW-47	01/27/99	3805.09	21.52	0	3783.57
MW-47	04/19/99	3805.09	21.49	0	3783.60
MW-47	01/05/00	3805.09	21.62	0	3783.47
MW-47	04/26/00	3805.09	21.59	0	3783.50
MW-47	09/27/00	3805.09	21.62	0	3783.47
MW-47	04/16/01	3805.09	21.63	0	3783.46
MW-47	10/29/01	3805.09	D	--	--
MW-47	04/15/02	3805.09	D	--	--
MW-47	10/14/02	3805.09	D	--	--
MW-47	04/15/03	3805.09	D	--	--
MW-47	10/14/03	3805.09	21.68	0	3783.41
MW-47	04/05/04	3805.09	21.64	0	3783.45
MW-47	10/05/04	3805.09	18.04	0	3787.05
MW-47	04/19/05	3805.09	21.49	0	3783.60
MW-47	10/24/05	3805.09	21.52	0	3783.57
MW-48					
MW-48	12/01/91	3806.18	18.05	0	3788.13
MW-48	04/15/92	3806.18	19.44	0	3786.74
MW-48	07/01/92	3806.18	17.25	0	3788.93
MW-48	10/01/92	3806.18	18.87	0	3787.31
MW-48	01/01/93	3806.18	19.58	0	3786.60
MW-48	01/16/96	3806.18	D	--	--
MW-48	04/19/96	3806.18	D	--	--
MW-48	07/15/96	3806.18	D	--	--
MW-48	10/13/96	3806.18	17.88	0	3788.30
MW-48	02/04/97	3806.18	19.60	0	3786.58
MW-48	04/28/97	3806.18	19.66	0	3786.52
MW-48	07/14/97	3806.18	19.66	0	3786.52
MW-48	10/13/97	3806.18	19.68	0	3786.50
MW-48	01/27/98	3806.18	19.71	0	3786.47
MW-48	04/27/98	3806.18	19.72	0	3786.46
MW-48	06/16/98	3806.18	19.75	0	3786.43
MW-48	10/09/98	3806.18	19.71	0	3786.47
MW-48	01/27/99	3806.18	19.74	0	3786.44
MW-48	04/19/99	3806.18	19.71	0	3786.47
MW-48	01/05/00	3806.18	19.77	0	3786.41
MW-48	04/26/00	3806.18	19.72	0	3786.46
MW-48	09/27/00	3806.18	D	--	--
MW-48	04/16/01	3806.18	19.78	0	3786.40
MW-48	10/29/01	3806.18	D	--	--
MW-48	04/15/02	3806.18	D	--	--
MW-48	10/14/02	3806.18	D	--	--
MW-48	04/15/03	3806.18	19.69	0	3786.49
MW-48	10/14/03	3806.18	19.70	0	3786.48
MW-48	04/05/04	3806.18	19.63	0	3786.55
MW-48	10/05/04	3806.18	18.81	0	3787.37
MW-48	04/19/05	3806.18	19.62	0	3786.56
MW-48	10/24/05	3806.18	19.62	0	3786.56
MW-49					
MW-49	12/01/91	3805.61	16.80	0	3789.01
MW-49	07/01/93	3805.61	21.98	0	3783.63
MW-49	10/01/93	3805.61	21.93	0	3783.68
MW-49	01/01/94	3805.61	22.27	0	3783.34
MW-49	04/01/94	3805.61	22.64	0	3782.97
MW-49	07/01/94	3805.61	22.73	0	3782.88
MW-49	10/01/94	3805.61	22.30	0	3783.31
MW-49	01/01/95	3805.61	22.56	0	3783.05
MW-49	04/01/95	3805.61	22.94	0	3782.67
MW-49	07/01/95	3805.61	22.94	0	3782.67
MW-49	10/01/95	3805.61	22.68	0	3782.93
MW-49	01/16/96	3805.61	22.55	0	3783.06
MW-49	04/19/96	3805.61	22.59	0	3783.02
MW-49	07/15/96	3805.61	22.76	0	3782.85
MW-49	10/13/96	3805.61	19.54	0	3786.07
MW-49	02/03/97	3805.61	20.66	0	3784.95
MW-49	03/18/97	3805.61	20.99	0	3784.62
MW-49	04/28/97	3805.61	20.70	0	3784.91
MW-49	07/14/97	3805.61	20.31	0	3785.30
MW-49	10/13/97	3805.61	21.01	0	3784.60
MW-49	01/27/98	3805.61	21.08	0	3784.53
MW-49	04/27/98	3805.61	21.34	0	3784.27
MW-49	06/16/98	3805.61	21.35	0	3784.26
MW-49	10/09/98	3805.61	22.52	0	3783.09
MW-49	01/27/99	3805.61	20.50	0	3785.11
MW-49	04/19/99	3805.61	20.81	0	3784.80
MW-49	01/05/00	3805.61	20.07	0	3785.54
MW-49	04/26/00	3805.61	20.30	0	3785.31
MW-49	09/27/00	3805.61	20.52	0	3785.09
MW-49	04/16/01	3805.61	20.03	0	3785.58
MW-49	10/29/01	3805.61	19.96	0	3785.65
MW-49	04/15/02	3805.61	19.76	0	3785.85
MW-49	10/14/02	3805.61	20.56	0	3785.05
MW-49	04/15/03	3805.61	22.08	0	3783.53
MW-49	10/14/03	3805.61	22.52	0	3783.09

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 12 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-49	04/05/04	3805.61	22.79	0	3782.82
MW-49	10/05/04	3805.61	18.33	0	3787.28
MW-49	04/19/05	3805.61	18.23	0	3787.38
MW-49	10/24/05	3805.61	21.01	0	3784.60
MW-50	12/01/91	3813.35	20.74	0	3792.61
MW-50	04/15/92	3813.35	22.83	0	3790.52
MW-50	07/01/92	3813.35	15.91	0	3797.44
MW-50	10/01/92	3813.35	23.77	0	3789.58
MW-50	01/01/93	3813.35	25.52	0	3787.83
MW-50	04/01/93	3813.35	26.16	0	3787.19
MW-50	07/01/93	3813.35	26.43	0	3786.92
MW-50	10/01/93	3813.35	26.43	0	3786.92
MW-50	01/01/94	3813.35	26.83	0	3786.52
MW-50	04/01/94	3813.35	27.04	0	3786.31
MW-50	07/01/94	3813.35	27.16	0	3786.19
MW-50	10/01/94	3813.35	26.87	0	3786.48
MW-50	01/01/95	3813.35	27.03	0	3786.32
MW-50	04/01/95	3813.35	27.37	0	3785.98
MW-50	07/01/95	3813.35	27.37	0	3785.98
MW-50	10/01/95	3813.35	26.85	0	3786.50
MW-50	01/16/96	3813.35	27.20	0	3786.15
MW-50	04/19/96	3813.35	27.22	0	3786.13
MW-50	07/15/96	3813.35	27.04	0	3786.31
MW-50	10/13/96	3813.35	25.89	0	3787.46
MW-50	02/03/97	3813.35	25.15	0	3788.20
MW-50	03/18/97	3813.35	25.18	0	3788.17
MW-50	04/28/97	3813.35	24.81	0	3788.54
MW-50	07/14/97	3813.35	24.56	0	3788.79
MW-50	10/13/97	3813.35	25.45	0	3787.90
MW-50	01/27/98	3813.35	25.39	0	3787.96
MW-50	04/27/98	3813.35	25.84	0	3787.51
MW-50	06/16/98	3813.35	26.05	0	3787.30
MW-50	10/09/98	3813.35	25.80	0	3787.55
MW-50	01/27/99	3813.35	24.78	0	3788.57
MW-50	04/19/99	3813.35	25.21	0	3788.14
MW-50	01/05/00	3813.35	24.39	0	3788.96
MW-50	04/26/00	3813.35	25.00	0	3788.35
MW-50	09/27/00	3813.35	25.06	0	3788.29
MW-50	04/16/01	3813.35	24.30	0	3789.05
MW-50	10/29/01	3813.35	24.42	0	3788.93
MW-50	04/15/02	3813.35	24.43	0	3788.92
MW-50	10/14/02	3813.35	24.76	0	3788.59
MW-50	04/15/03	3813.35	26.69	0	3786.66
MW-50	10/14/03	3813.35	27.17	0	3786.18
MW-50	04/05/04	3813.35	27.59	0	3785.76
MW-50	10/05/04	3813.35	22.27	0	3791.08
MW-50	04/19/05	3813.35	23.48	0	3789.87
MW-50	10/24/05	3813.35	26.37	0	3786.98
MW-51	12/01/91	3810.86	17.77	0	3793.09
MW-51	04/26/00	3810.86	NR	--	--
MW-51	09/27/00	3810.86	D	--	--
MW-51	04/16/01	3810.86	D	--	--
MW-51	10/29/01	3810.86	D	--	--
MW-51	04/15/02	3810.86	D	--	--
MW-51	10/14/02	3810.86	D	--	--
MW-51	04/15/03	3810.86	NR	--	--
MW-51	10/14/03	3810.86	NR	--	--
MW-51	04/05/04	3810.86	NR	--	--
MW-51	10/05/04	3810.86	NR	--	--
MW-51	04/19/05	3810.86	NR	--	--
MW-51	10/24/05	3810.86	NR	--	--
MW-52	07/01/92	3817.49	21.90	0	3795.49
MW-52	01/16/96	3817.49	D	--	--
MW-52	04/19/96	3817.49	D	--	--
MW-52	07/15/96	3817.49	D	--	--
MW-52	10/13/96	3817.49	20.97	0	3796.52
MW-52	02/04/97	3817.49	21.31	0	3796.18
MW-52	04/28/97	3817.49	D	--	--
MW-52	07/14/97	3817.49	D	--	--
MW-52	10/13/97	3817.49	D	--	--
MW-52	01/27/98	3817.49	D	--	--
MW-52	04/27/98	3817.49	D	--	--
MW-52	06/16/98	3817.49	D	--	--
MW-52	10/09/98	3817.49	21.37	0	3796.12
MW-52	01/27/99	3817.49	D	--	--
MW-52	04/19/99	3817.49	D	--	--
MW-52	04/26/00	3817.49	D	--	--
MW-52	09/27/00	3817.49	D	--	--
MW-52	04/16/01	3817.49	D	--	--
MW-52	10/29/01	3817.49	D	--	--
MW-52	04/15/02	3817.49	D	--	--
MW-52	10/14/02	3817.49	D	--	--
MW-52	03/29/03	PLUGGED AND ABANDONED			
MW-53	01/16/96	3809.92	D	--	--
MW-53	04/19/96	3809.92	D	--	--
MW-53	07/15/96	3809.92	D	--	--

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 13 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-53	10/13/96	3809.92	D	--	--
MW-53	01/27/98	3809.92	D	--	--
MW-53	06/16/98	3809.92	D	--	--
MW-53	04/26/00	3809.92	D	--	--
MW-53	09/27/00	3809.92	D	--	--
MW-53	04/16/01	3809.92	D	--	--
MW-53	10/29/01	3809.92	D	--	--
MW-53	04/15/02	3809.92	D	--	--
MW-53	10/14/02	3809.92	D	--	--
MW-53	03/29/03	PLUGGED AND ABANDONED			
MW-54	12/01/91	3823.86	43.80	0	3780.06
MW-54	04/15/92	3823.86	44.77	0	3779.09
MW-54	07/01/92	3823.86	44.16	0	3779.70
MW-54	10/01/92	3823.86	44.66	0	3779.20
MW-54	01/01/93	3823.86	45.54	0	3778.32
MW-54	04/01/93	3823.86	46.11	0	3777.75
MW-54	07/01/93	3823.86	46.61	0	3777.25
MW-54	10/01/93	3823.86	46.73	0	3777.13
MW-54	01/01/94	3823.86	46.34	0	3777.52
MW-54	04/01/94	3823.86	47.45	0	3776.41
MW-54	07/01/94	3823.86	47.12	0	3776.74
MW-54	10/01/94	3823.86	46.65	0	3777.21
MW-54	01/01/95	3823.86	46.59	0	3777.27
MW-54	04/01/95	3823.86	46.96	0	3776.90
MW-54	07/01/95	3823.86	46.96	0	3776.90
MW-54	10/01/95	3823.86	47.40	0	3776.46
MW-54	01/16/96	3823.86	46.79	0	3777.07
MW-54	04/17/96	3823.86	48.97	0	3774.89
MW-54	07/15/96	3823.86	48.74	0	3775.12
MW-54	10/13/96	3823.86	46.14	0	3777.72
MW-54	02/04/97	3823.86	46.06	0	3777.80
MW-54	04/28/97	3823.86	46.27	0	3777.59
MW-54	07/14/97	3823.86	46.42	0	3777.44
MW-54	10/14/97	3823.86	47.16	0	3776.70
MW-54	01/27/98	3823.86	47.27	0	3776.59
MW-54	04/27/98	3823.86	46.86	0	3777.00
MW-54	06/16/98	3823.86	47.31	0	3776.55
MW-54	10/10/98	3823.86	46.79	0	3777.07
MW-54	01/27/99	3823.86	46.19	0	3777.67
MW-54	04/19/99	3823.86	46.32	0	3777.54
MW-54	01/05/00	3823.86	45.55	0	3778.31
MW-54	04/26/00	3823.86	46.46	0	3777.40
MW-54	09/27/00	3823.86	46.31	0	3777.55
MW-54	04/16/01	3823.86	45.72	0	3778.14
MW-54	10/29/01	3823.86	45.87	0	3777.99
MW-54	04/15/02	3823.86	45.37	0	3778.49
MW-54	10/14/02	3823.86	45.92	0	3777.94
MW-54	04/15/03	3823.86	46.13	0	3777.73
MW-54	10/14/03	3823.86	46.69	0	3777.17
MW-54	04/05/04	3823.86	46.54	0	3777.32
MW-54	10/05/04	3823.86	45.50	0	3778.36
MW-54	04/19/05	3823.86	45.26	0	3778.60
MW-54	10/24/05	3823.86	46.12	0	3777.74
MW-55	12/01/91	3794.40	24.43	0	3769.97
MW-55	04/15/92	3794.40	24.77	0	3769.63
MW-55	07/01/92	3794.40	21.89	0	3772.51
MW-55	10/01/92	3794.40	24.47	0	3769.93
MW-55	01/01/93	3794.40	26.57	0	3767.83
MW-55	04/01/93	3794.40	28.70	0	3765.70
MW-55	07/01/93	3794.40	30.02	0	3764.38
MW-55	10/01/93	3794.40	30.76	0	3763.64
MW-55	01/01/94	3794.40	31.15	0	3763.25
MW-55	04/01/94	3794.40	32.30	0	3762.10
MW-55	07/01/94	3794.40	31.90	0	3762.50
MW-55	10/01/94	3794.40	28.61	0	3765.79
MW-55	01/01/95	3794.40	29.50	0	3764.90
MW-55	04/01/95	3794.40	30.65	0	3763.75
MW-55	07/01/95	3794.40	30.65	0	3763.75
MW-55	10/01/95	3794.40	32.20	0	3762.20
MW-55	01/16/96	3794.40	30.74	0	3763.66
MW-55	04/17/96	3794.40	33.03	0	3761.37
MW-55	07/16/96	3794.40	28.85	0	3765.55
MW-55	10/13/96	3794.40	28.02	0	3766.38
MW-55	02/04/97	3794.40	26.43	0	3767.97
MW-55	04/29/97	3794.40	26.91	0	3767.49
MW-55	07/15/97	3794.40	26.81	0	3767.59
MW-55	10/14/97	3794.40	27.21	0	3767.19
MW-55	01/28/98	3794.40	27.38	0	3767.02
MW-55	04/27/98	3794.40	27.57	0	3766.83
MW-55	06/16/98	3794.40	28.00	0	3766.40
MW-55	10/10/98	3794.40	28.36	0	3766.04
MW-55	01/27/99	3794.40	27.68	0	3766.72
MW-55	04/19/99	3794.40	27.89	0	3766.51
MW-55	01/05/00	3794.40	27.92	0	3766.48
MW-55	04/26/00	3794.40	27.96	0	3766.44
MW-55	09/27/00	3794.40	28.41	0	3765.99
MW-55	04/16/01	3794.40	27.92	0	3766.48
MW-55	10/29/01	3794.40	28.05	0	3766.35

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 14 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-55	04/15/02	3794.40	27.83	0	3766.57
MW-55	10/14/02	3794.40	28.03	0	3766.37
MW-55	04/15/03	3794.40	28.77	0	3765.63
MW-55	10/14/03	3794.40	31.77	0	3762.63
MW-55	04/05/04	3794.40	32.70	0	3761.70
MW-55	10/05/04	3794.40	27.76	0	3766.64
MW-55	04/19/05	3794.40	28.38	0	3766.02
MW-55	10/24/05	3794.40	27.86	0	3766.54
MW-56					
MW-56	12/01/91	3782.45	32.58	0	3749.87
MW-56	04/15/92	3782.45	9.26	0	3773.19
MW-56	07/01/92	3782.45	31.37	0	3751.08
MW-56	10/01/92	3782.45	34.68	0	3747.77
MW-56	01/01/93	3782.45	40.40	0	3742.05
MW-56	01/16/96	3782.45	D	--	--
MW-56	04/19/96	3782.45	D	--	--
MW-56	07/16/96	3782.45	D	--	--
MW-56	10/14/96	3782.45	34.34	0	3748.11
MW-56	02/04/97	3782.45	37.47	0	3744.98
MW-56	03/18/97	3782.45	40.26	0	3742.19
MW-56	04/29/97	3782.45	42.34	0	3740.11
MW-56	07/15/97	3782.45	43.73	0	3738.72
MW-56	10/14/97	3782.45	D	--	--
MW-56	01/28/98	3782.45	D	--	--
MW-56	04/27/98	3782.45	D	--	--
MW-56	06/16/98	3782.45	D	--	--
MW-56	10/10/98	3782.45	D	--	--
MW-56	01/27/99	3782.45	D	--	--
MW-56	04/19/99	3782.45	43.56	0	3738.89
MW-56	01/05/00	3782.45	41.79	0	3740.66
MW-56	04/26/00	3782.45	43.49	0	3738.96
MW-56	09/27/00	3782.45	D	--	--
MW-56	04/16/01	3782.45	41.70	0	3740.75
MW-56	10/29/01	3782.45	D	--	--
MW-56	04/15/02	3782.45	D	--	--
MW-56	10/14/02	3782.45	D	--	--
MW-56	04/15/03	3782.45	43.47	0	3738.98
MW-56	10/14/03	3782.45	D	--	--
MW-56	04/05/04	3782.45	D	--	--
MW-56	10/05/04	3782.45	35.94	0	3746.51
MW-56	04/19/05	3782.45	38.11	0	3744.34
MW-56	10/24/05	3782.45	38.89	0	3743.56
MW-61					
MW-61	01/27/99	3816.20	36.06	0	3780.14
MW-61	04/19/99	3816.20	36.88	0	3779.32
MW-61	01/05/00	3816.20	36.55	0	3779.65
MW-61	04/26/00	3816.20	37.15	0	3779.05
MW-61	09/27/00	3816.20	37.49	0	3778.71
MW-61	04/16/01	3816.20	37.26	0	3778.94
MW-61	10/29/01	3816.20	37.55	0	3778.65
MW-61	04/15/02	3816.20	37.19	0	3779.01
MW-61	10/14/02	3816.20	37.79	0	3778.41
MW-61	04/15/03	3816.20	37.53	0	3778.67
MW-61	10/14/03	3816.20	37.80	0	3778.40
MW-61	04/05/04	3816.20	37.23	0	3778.97
MW-61	10/05/04	3816.20	37.29	0	3778.91
MW-61	04/19/05	3816.20	35.60	0	3780.60
MW-61	10/24/05	3816.20	36.32	0	3779.88
MW-65					
MW-65	12/01/91	3763.31	55.90	0	3707.41
MW-65	07/01/93	3763.31	56.34	0	3706.97
MW-65	10/01/93	3763.31	56.81	0	3706.50
MW-65	01/01/94	3763.31	56.67	0	3706.64
MW-65	07/01/94	3763.31	56.70	0	3706.61
MW-65	10/01/94	3763.31	56.20	0	3707.11
MW-65	01/01/95	3763.31	56.58	0	3706.73
MW-65	04/01/95	3763.31	57.14	0	3706.17
MW-65	07/01/95	3763.31	57.14	0	3706.17
MW-65	10/01/95	3763.31	57.07	0	3706.24
MW-65	01/16/96	3763.31	57.25	0	3706.06
MW-65	04/17/96	3763.31	57.35	0	3705.96
MW-65	07/16/96	3763.31	56.01	0	3707.30
MW-65	10/14/96	3763.31	56.92	0	3706.39
MW-65	02/04/97	3763.31	56.12	0	3707.19
MW-65	04/28/97	3763.31	56.18	0	3707.13
MW-65	07/15/97	3763.31	56.44	0	3706.87
MW-65	10/14/97	3763.31	56.22	0	3707.09
MW-65	01/28/98	3763.31	56.29	0	3707.02
MW-65	04/27/98	3763.31	56.39	0	3706.92
MW-65	06/15/98	3763.31	57.22	0	3706.09
MW-65	01/27/99	3763.31	35.01	0	3728.30
MW-65	04/19/99	3763.31	56.69	0	3706.62
MW-65	01/05/99	3763.31	56.71	0	3706.60
MW-65	04/26/00	3763.31	56.55	0	3706.76
MW-65	09/27/00	3763.31	57.81	0	3705.50
MW-65	04/16/01	3763.31	56.22	0	3707.09
MW-65	10/29/01	3763.31	56.17	0	3707.14
MW-65	04/15/02	3763.31	56.47	0	3706.84
MW-65	10/14/02	3763.31	56.11	0	3707.20
MW-65	04/15/03	3763.31	56.23	0	3707.08

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 15 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-65	10/14/03	3763.31	57.08	0	3706.23
MW-65	04/05/04	3763.31	56.60	0	3706.71
MW-65	10/05/04	3763.31	55.98	0	3707.33
MW-65	04/19/05	3763.31	56.26	0	3707.05
MW-65	10/24/05	3763.31	56.15	0	3707.16
MW-69	12/01/91	3805.11	29.38	0	3775.73
MW-69	04/15/92	3805.11	31.63	0	3773.48
MW-69	07/01/92	3805.11	24.71	0	3780.40
MW-69	10/01/92	3805.11	31.37	0	3773.74
MW-69	01/01/93	3805.11	33.61	0	3771.50
MW-69	04/01/93	3805.11	39.58	0	3765.53
MW-69	07/01/93	3805.11	41.96	0	3763.15
MW-69	10/01/93	3805.11	41.26	0	3763.85
MW-69	10/01/95	3805.11	32.51	0	3772.60
MW-69	01/20/96	3805.11	37.54	4.19	3770.62
MW-69	04/17/96	3805.11	36.60	0.26	3768.69
MW-69	07/15/96	3805.11	31.26	0.36	3774.11
MW-69	02/03/97	3805.11	34.33	3.24	3773.14
MW-69	04/28/97	3805.11	32.74	0.02	3772.38
MW-69	07/14/97	3805.11	34.34	0.02	3770.78
MW-69	10/13/97	3805.11	35.55	0	3769.56
MW-69	01/27/98	3805.11	39.44	2.45	3767.45
MW-69	04/27/98	3805.11	39.08	0	3766.03
MW-69	06/15/98	3805.11	40.77	0.79	3764.91
MW-69	01/05/00	3805.11	35.75	0.02	3769.37
MW-69	04/26/00	3805.11	37.62	0.05	3767.53
MW-69	09/27/00	3805.11	41.99	2.71	3765.10
MW-69	04/16/01	3805.11	38.81	4.01	3769.23
MW-69	10/29/01	3805.11	38.42	5.45	3770.67
MW-69	04/15/02	3805.11	42.30	5.03	3766.48
MW-69	10/14/02	3805.11	28.92	0	3776.19
MW-69	04/15/03	3805.11	33.09	0.10	3772.09
MW-69	10/14/03	3805.11	35.48	1.29	3770.57
MW-69	04/05/04	3805.11	39.21	0.02	3765.91
MW-69	10/05/04	3805.11	27.82	0	3777.29
MW-69	04/19/05	3805.11	31.81	0	3773.30
MW-69	10/24/05	3805.11	29.98	0	3775.13
MW-77	01/01/95	3775.48	80.03	0	3695.45
MW-77	04/01/95	3775.48	80.04	0	3695.44
MW-77	07/01/95	3775.48	80.04	0	3695.44
MW-77	10/01/95	3775.48	79.70	0	3695.78
MW-77	01/16/96	3775.48	79.84	0	3695.64
MW-77	04/17/96	3775.48	78.95	0	3696.53
MW-77	07/16/96	3775.48	79.42	0	3696.06
MW-77	10/14/96	3775.48	80.02	0	3695.46
MW-77	02/04/97	3775.48	0	-	-
MW-77	04/29/97	3775.48	80.35	0	3695.13
MW-77	07/15/97	3775.48	80.31	0	3695.17
MW-77	10/14/97	3775.48	78.92	0	3696.56
MW-77	01/28/98	3775.48	77.00	0	3698.48
MW-77	04/27/98	3775.48	78.48	0	3697.00
MW-77	06/16/98	3775.48	75.30	0	3700.18
MW-77	10/10/98	3775.48	79.84	0	3695.64
MW-77	01/27/99	3775.48	76.41	0	3699.07
MW-77	04/19/99	3775.48	77.50	0	3697.98
MW-77	01/05/00	3775.48	79.36	0	3696.12
MW-77	04/26/00	3775.48	78.57	0	3696.91
MW-77	09/27/00	3775.48	78.86	0	3696.62
MW-77	04/16/01	3775.48	79.91	0	3695.57
MW-77	10/29/01	3775.48	79.72	0	3695.76
MW-77	04/15/02	3775.48	80.42	0	3695.06
MW-77*	10/14/02	3775.48	57.95	0	3717.53
MW-77	04/15/03	3775.48	69.95	0	3705.53
MW-77	10/14/03	3775.48	73.98	0	3701.50
MW-77	04/05/04	3775.48	79.88	0	3695.60
MW-77	10/05/04	3775.48	63.37	0	3712.11
MW-77	04/19/05	3775.48	67.06	0	3708.42
MW-77	10/24/05	3775.48	63.89	0	3711.59
MW-78	10/01/95	3785.82	86.51	0	3699.31
MW-78	04/01/95	3785.82	86.32	0	3699.50
MW-78	07/01/95	3785.82	86.32	0	3699.50
MW-78	10/01/95	3785.82	86.19	0	3699.63
MW-78	01/16/96	3785.82	86.22	0	3699.60
MW-78	04/17/96	3785.82	86.29	0	3699.53
MW-78	07/16/96	3785.82	86.41	0	3699.41
MW-78	10/14/96	3785.82	59.39	0	3726.43
MW-78	02/04/97	3785.82	75.78	0	3710.04
MW-78	04/29/97	3785.82	74.53	0	3711.29
MW-78	07/15/97	3785.82	74.47	0	3711.35
MW-78	10/14/97	3785.82	82.08	0	3703.74
MW-78	01/28/98	3785.82	81.61	0	3704.21
MW-78	04/27/98	3785.82	82.33	0	3703.49
MW-78	06/16/98	3785.82	82.27	0	3703.55
MW-78	10/10/98	3785.82	82.85	0	3702.97
MW-78	01/27/99	3785.82	83.30	0.01	3702.53
MW-78	04/19/99	3785.82	83.42	0	3702.40
MW-78	01/05/00	3785.82	82.49	0	3703.33

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 16 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-78	04/26/00	3785.82	83.41	0	3702.41
MW-78	09/27/00	3785.82	83.51	0	3702.31
MW-78	04/16/01	3785.82	81.79	0	3704.03
MW-78	10/29/01	3785.82	82.75	0	3703.07
MW-78	04/15/02	3785.82	82.89	0	3702.93
MW-78*	10/14/02	3785.82	59.42	0	3726.40
MW-78	04/15/03	3785.82	84.50	0	3701.32
MW-78	10/14/03	3785.82	77.86	0	3707.96
MW-78	04/05/04	3785.82	78.56	0	3707.26
MW-78	10/05/04	3785.82	60.18	0	3725.64
MW-78	04/19/05	3785.82	79.40	0	3706.42
MW-78	10/24/05	3785.82	65.43	0	3720.39
MW-79	01/01/95	3788.39	76.20	0	3712.10
MW-79	04/01/95	3788.39	77.32	0	3711.07
MW-79	07/01/95	3788.39	77.32	0	3711.07
MW-79	10/01/95	3788.39	79.57	0	3708.82
MW-79	01/16/96	3788.39	78.31	0	3710.08
MW-79	04/17/96	3788.39	78.36	0	3710.03
MW-79	07/15/96	3788.39	81.09	0	3707.30
MW-79	10/13/96	3788.39	80.08	0	3708.31
MW-79	02/03/97	3788.39	80.44	0	3707.95
MW-79	04/28/97	3788.39	75.65	0	3712.74
MW-79	07/14/97	3788.39	75.46	0	3712.93
MW-79	10/13/97	3788.39	78.70	0	3709.69
MW-79	01/27/98	3788.39	80.52	0	3707.87
MW-79	04/27/98	3788.39	81.14	0	3707.25
MW-79	06/15/98	3788.39	80.84	0	3707.55
MW-79	10/09/98	3788.39	81.13	0	3707.26
MW-79	01/27/99	3788.39	79.95	0	3708.44
MW-79	04/19/99	3788.39	73.09	0	3715.30
MW-79	01/05/00	3788.39	76.99	0	3711.40
MW-79	04/26/00	3788.39	75.95	0	3712.44
MW-79	09/27/00	3788.39	81.57	0	3706.82
MW-79	04/16/01	3788.39	81.58	0	3706.81
MW-79	10/29/01	3788.39	81.18	0	3707.21
MW-79	04/15/02	3788.39	80.88	0	3707.51
MW-79	10/14/02	3788.39	81.52	0	3706.87
MW-79	04/15/03	3788.39	81.69	0	3706.70
MW-79	10/14/03	3788.39	81.59	0	3706.80
MW-79	04/05/04	3788.39	81.64	0	3706.75
MW-79	10/05/04	3788.39	81.29	0.01	3707.11
MW-79	04/19/05	3788.39	81.61	0	3706.78
MW-79	10/24/05	3788.39	81.61	0	3706.78
MW-80	01/16/95	3821.64	D	--	--
MW-80	04/19/96	3821.64	D	--	--
MW-80	07/15/96	3821.64	D	--	--
MW-80	10/13/96	3821.64	D	--	--
MW-80	02/03/97	3821.64	D	--	--
MW-80	04/28/97	3821.64	D	--	--
MW-80	07/14/97	3821.64	D	--	--
MW-80	10/13/97	3821.64	D	--	--
MW-80	01/27/98	3821.64	D	--	--
MW-80	04/27/98	3821.64	D	--	--
MW-80	06/15/98	3821.64	D	--	--
MW-80	10/09/98	3821.64	D	--	--
MW-80	01/27/99	3821.64	D	--	--
MW-80	04/19/99	3821.64	D	--	--
MW-80	04/26/00	3821.64	D	--	--
MW-80	09/27/00	3821.64	D	--	--
MW-80	04/16/01	3821.64	D	--	--
MW-80	10/29/01	3821.64	D	--	--
MW-80	04/15/02	3821.64	D	--	--
MW-80	10/14/02	3821.64	D	--	--
MW-80	03/29/03	PLUGGED AND ABANDONED			
MW-90	02/04/97	3781.73	43.24	0	3738.49
MW-90	04/28/97	3781.73	43.54	0	3738.19
MW-90	07/14/97	3781.73	43.42	0	3738.31
MW-90	10/13/97	3781.73	44.78	0	3736.95
MW-90	01/27/98	3781.73	43.26	0	3738.47
MW-90	04/27/98	3781.73	43.68	0	3738.05
MW-90	06/15/98	3781.73	44.26	0	3737.47
MW-90	10/09/98	3781.73	96.68	0	3686.05
MW-90	01/27/99	3781.73	46.40	0.01	3735.34
MW-90	04/19/99	3781.73	40.11	0	3741.62
MW-90	01/05/00	3781.73	44.81	0	3736.92
MW-90	04/26/00	3781.73	46.12	0	3735.61
MW-90	09/27/00	3781.73	43.82	0	3737.91
MW-90	04/16/01	3781.73	44.45	0	3737.28
MW-90	10/29/01	3781.73	43.62	0	3738.11
MW-90	04/15/02	3781.73	46.17	0	3735.56
MW-90	10/14/02	3781.73	38.73	0	3743.00
MW-90	04/15/03	3781.73	44.05	0	3737.68
MW-90	10/14/03	3781.73	46.06	0	3735.67
MW-90	04/05/04	3781.73	47.16	0	3734.57
MW-90	10/05/04	3781.73	28.72	0	3753.01
MW-90	04/19/05	3781.73	42.17	0	3739.56
MW-90	10/24/05	3781.73	41.67	0	3740.06

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 17 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-91	02/04/97	3783.07	64.90	0	3718.17
MW-91	04/29/97	3783.07	64.96	0.01	3718.11
MW-91	07/15/97	3783.07	64.96	0.02	3718.12
MW-91	10/14/97	3783.07	68.75	0	3714.32
MW-91	01/28/98	3783.07	70.57	0	3712.50
MW-91	04/27/98	3783.07	69.38	0	3713.69
MW-91	06/16/98	3783.07	72.26	0	3710.81
MW-91	10/10/98	3783.07	72.41	0	3710.66
MW-91	01/27/99	3783.07	72.66	0	3710.41
MW-91	04/19/99	3783.07	65.39	0	3717.68
MW-91	01/05/00	3783.07	70.73	0	3712.34
MW-91	04/26/00	3783.07	70.46	0	3712.61
MW-91	09/27/00	3783.07	71.74	0	3711.33
MW-91	04/16/01	3783.07	65.85	0	3717.22
MW-91	10/29/01	3783.07	63.90	0	3719.17
MW-91	04/15/02	3783.07	69.98	0	3713.09
MW-91	10/14/02	3783.07	46.52	0	3736.55
MW-91	04/15/03	3783.07	61.94	0	3721.13
MW-91	10/14/03	3783.07	70.84	0	3712.23
MW-91	04/05/04	3783.07	71.96	0	3711.11
MW-91	10/05/04	3783.07	42.65	0	3740.42
MW-91	04/19/05	3783.07	46.38	0	3736.69
MW-91	10/24/05	3783.07	46.31	0	3736.76
MW-92	02/04/97	3785.29	D	--	--
MW-92	04/29/97	3785.29	D	--	--
MW-92	07/15/97	3785.29	D	--	--
MW-92	10/14/97	3785.29	D	--	--
MW-92	01/28/98	3785.29	D	--	--
MW-92	04/27/98	3785.29	72.52	0	3712.77
MW-92	06/16/98	3785.29	72.45	0	3712.84
MW-92	10/10/98	3785.29	72.51	0	3712.78
MW-92	01/27/99	3785.29	72.43	0	3712.86
MW-92	04/19/99	3785.29	72.41	0	3712.88
MW-92	04/26/00	3785.29	72.39	0	3712.90
MW-92	09/27/00	3785.29	NR	--	--
MW-92	04/16/01	3785.29	72.40	0	3712.89
MW-92	10/29/01	3785.29	72.29	0	3713.00
MW-92	04/15/02	3785.29	72.23	0	3713.06
MW-92	10/14/02	3785.29	56.36	0	3728.93
MW-92	03/29/03	PLUGGED AND ABANDONED			
MW-93	02/03/97	3817.50	D	--	--
MW-93	04/29/97	3817.50	D	--	--
MW-93	07/14/97	3817.50	D	--	--
MW-93	10/13/97	3817.50	D	--	--
MW-93	01/27/98	3817.50	D	--	--
MW-93	04/27/98	3817.50	D	--	--
MW-93	06/15/98	3817.50	D	--	--
MW-93	10/09/98	3817.50	D	--	--
MW-93	01/27/99	3817.50	D	--	--
MW-93	04/19/99	3817.50	D	--	--
MW-93	04/26/00	3817.50	D	--	--
MW-93	09/27/00	3817.50	D	--	--
MW-93	04/16/01	3817.50	D	--	--
MW-93	10/29/01	3817.50	D	--	--
MW-93	04/15/02	3817.50	D	--	--
MW-93	10/14/02	3817.50	D	--	--
MW-93	03/29/03	PLUGGED AND ABANDONED			
MW-99	02/04/97	3770.05	D	--	--
MW-99	04/29/97	3770.05	D	--	--
MW-99	07/15/97	3770.05	D	--	--
MW-99	10/14/97	3770.05	D	--	--
MW-99	01/28/98	3770.05	D	--	--
MW-99	04/27/98	3770.05	D	--	--
MW-99	06/16/98	3770.05	D	--	--
MW-99	10/10/98	3770.05	D	--	--
MW-99	01/27/99	3770.05	D	--	--
MW-99	04/19/99	3770.05	D	--	--
MW-99	04/26/00	3770.05	D	--	--
MW-99	09/27/00	3770.05	D	--	--
MW-99	04/16/01	3770.05	D	--	--
MW-99	10/29/01	3770.05	D	--	--
MW-99	04/15/02	3770.05	D	--	--
MW-99	10/14/02	3770.05	D	--	--
MW-99	03/29/03	PLUGGED AND ABANDONED			
MW-100	04/29/97	3773.31	D	--	--
MW-100	07/15/97	3773.31	D	--	--
MW-100	10/14/97	3773.31	D	--	--
MW-100	01/28/98	3773.31	D	--	--
MW-100	04/27/98	3773.31	D	--	--
MW-100	06/16/98	3773.31	D	--	--
MW-100	10/10/98	3773.31	D	--	--
MW-100	01/27/99	3773.31	D	--	--
MW-100	04/19/99	3773.31	D	--	--
MW-100	04/26/00	3773.31	D	--	--
MW-100	09/27/00	3773.31	72.61	0	3700.70

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 18 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-100	04/16/01	3773.31	D	--	--
MW-100	10/29/01	3773.31	D	--	--
MW-100	04/15/02	3773.31	D	--	--
MW-100	10/14/02	3773.31	D	--	--
MW-100	04/15/03	3773.31	D	--	--
MW-100	10/14/03	3773.31	D	--	--
MW-100	04/05/04	3773.31	D	--	--
MW-100	10/05/04	3773.31	67.71	0	3705.60
MW-100	04/19/05	3773.31	D	--	--
MW-100	10/24/05	3773.31	D	--	--
MW-101					
MW-101	02/04/97	3762.71	D	--	--
MW-101	04/29/97	3762.71	D	--	--
MW-101	07/15/97	3762.71	D	--	--
MW-101	10/14/97	3762.71	D	--	--
MW-101	01/28/98	3762.71	D	--	--
MW-101	04/27/98	3762.71	D	--	--
MW-101	06/16/98	3762.71	D	--	--
MW-101	10/10/98	3762.71	D	--	--
MW-101	01/27/99	3762.71	D	--	--
MW-101	04/19/99	3762.71	D	--	--
MW-101	04/26/00	3762.71	D	--	--
MW-101	09/27/00	3762.71	NR	--	--
MW-101	04/16/01	3762.71	D	--	--
MW-101	10/29/01	3762.71	D	--	--
MW-101	04/15/02	3762.71	D	--	--
MW-101	10/14/02	3762.71	D	--	--
MW-101	03/28/03	PLUGGED AND ABANDONED			
MW-102					
MW-102	02/04/97	3753.69	D	--	--
MW-102	04/29/97	3753.69	D	--	--
MW-102	07/15/97	3753.69	D	--	--
MW-102	10/13/97	3753.69	D	--	--
MW-102	01/28/98	3753.69	82.60	0	3671.09
MW-102	04/27/98	3753.69	82.60	0	3671.09
MW-102	06/16/98	3753.69	D	--	--
MW-102	10/10/98	3753.69	D	--	--
MW-102	01/27/99	3753.69	82.62	0	3671.07
MW-102	04/19/99	3753.69	82.57	0	3671.12
MW-102	04/26/00	3753.69	82.56	0	3671.13
MW-102	09/27/00	3753.69	D	--	--
MW-102	04/16/01	3753.69	D	--	--
MW-102	10/29/01	3753.69	D	--	--
MW-102	04/15/02	3753.69	D	--	--
MW-102	10/14/02	3753.69	D	--	--
MW-102	03/28/03	PLUGGED AND ABANDONED			
MW-103					
MW-103	02/04/97	3743.14	D	--	--
MW-103	04/29/97	3743.14	D	--	--
MW-103	07/15/97	3743.14	D	--	--
MW-103	10/14/97	3743.14	72.30	0	3670.84
MW-103	01/28/98	3743.14	72.70	0	3670.44
MW-103	04/27/98	3743.14	72.78	0	3670.36
MW-103	06/16/98	3743.14	D	--	--
MW-103	10/10/98	3743.14	D	--	--
MW-103	01/27/99	3743.14	73.15	0	3669.99
MW-103	04/19/99	3743.14	73.16	0	3669.98
MW-103	04/26/00	3743.14	72.74	0	3670.40
MW-103	09/27/00	3743.14	NR	--	--
MW-103	04/16/01	3743.14	72.49	0	3670.65
MW-103	10/29/01	3743.14	72.04	0	3671.10
MW-103	04/15/02	3743.14	72.65	0	3670.49
MW-103	10/14/02	3743.14	71.89	0	3671.25
MW-103	03/28/03	PLUGGED AND ABANDONED			
MW-105					
MW-105	02/04/97	3736.93	D	--	--
MW-105	04/29/97	3736.93	D	--	--
MW-105	07/15/97	3736.93	D	--	--
MW-105	10/13/97	3736.93	D	--	--
MW-105	01/28/98	3736.93	82.93	0	3654.00
MW-105	04/27/98	3736.93	D	--	--
MW-105	06/16/98	3736.93	82.84	0	3654.09
MW-105	10/10/98	3736.93	82.33	0	3654.60
MW-105	01/27/99	3736.93	82.62	0	3654.31
MW-105	04/19/99	3736.93	82.00	0	3654.93
MW-105	01/05/00	3736.93	82.42	0	3654.51
MW-105	04/26/00	3736.93	82.22	0	3654.71
MW-105	09/27/00	3736.93	82.89	0	3654.04
MW-105	04/16/01	3736.93	82.33	0	3654.60
MW-105	10/29/01	3736.93	D	--	--
MW-105	04/15/02	3736.93	D	--	--
MW-105	10/14/02	3736.93	D	--	--
MW-105	04/15/03	3736.93	D	--	--
MW-105	10/14/03	3736.93	82.55	0	3654.38
MW-105	04/05/04	3736.93	D	--	--
MW-105	10/05/04	3736.93	82.44	0	3654.49
MW-105	04/19/05	3736.93	D	--	--
MW-105	10/24/05	3736.93	D	--	--
MW-106					
MW-106	02/04/97	3721.97	87.97	0	3654.00

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 19 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-106	04/28/97	3721.97	87.59	0	3634.38
MW-106	07/15/97	3721.97	87.63	0	3634.34
MW-106	10/13/97	3721.97	88.75	0	3633.22
MW-106	01/28/98	3721.97	88.97	0	3633.00
MW-106	04/27/98	3721.97	89.36	0	3632.61
MW-106	06/15/98	3721.97	89.63	0	3632.34
MW-106	10/10/98	3721.97	89.61	0	3632.36
MW-106	01/27/99	3721.97	86.55	0	3635.42
MW-106	04/19/99	3721.97	89.58	0	3632.39
MW-106	01/05/00	3721.97	89.05	0	3632.92
MW-106	04/26/00	3721.97	89.31	0	3632.66
MW-106	09/27/00	3721.97	87.98	0	3633.99
MW-106	04/16/01	3721.97	88.81	0	3633.16
MW-106	10/29/01	3721.97	89.05	0	3632.92
MW-106	04/15/02	3721.97	89.05	0	3632.92
MW-106	10/14/02	3721.97	87.40	0	3634.57
MW-106	04/15/03	3721.97	88.91	0	3633.06
MW-106	10/14/03	3721.97	89.94	0	3632.03
MW-106	04/05/04	3721.97	89.34	0	3632.63
MW-106	10/05/04	3721.97	75.78	0	3646.19
MW-106	04/19/05	3721.97	88.54	0	3633.43
MW-106	10/24/05	3721.97	88.47	0	3633.50
MW-107	02/04/97	3726.27	D	--	--
MW-107	04/29/97	3726.27	D	--	--
MW-107	07/15/97	3726.27	D	--	--
MW-107	10/13/97	3726.27	D	--	--
MW-107	01/28/98	3726.27	D	--	--
MW-107	04/27/98	3726.27	D	--	--
MW-107	06/15/98	3726.27	D	--	--
MW-107	10/10/98	3726.27	D	--	--
MW-107	01/27/99	3726.27	D	--	--
MW-107	04/19/99	3726.27	D	--	--
MW-107	04/26/00	3726.27	D	--	--
MW-107	09/27/00	3726.27	NR	--	--
MW-107	04/16/01	3726.27	D	--	--
MW-107	10/29/01	3726.27	D	--	--
MW-107	04/15/02	3726.27	D	--	--
MW-107	10/14/02	3726.27	D	--	--
MW-107	03/28/03	PLUGGED AND ABANDONED			
MW-109	06/17/98	3809.53	D	--	--
MW-109	10/10/98	3809.53	17.79	0	3791.74
MW-109	01/05/00	3809.53	17.42	0	3792.11
MW-109	04/26/00	3809.53	17.58	0	3791.95
MW-109	09/27/00	3809.53	17.81	0	3791.72
MW-109	04/16/01	3809.53	17.01	0	3792.52
MW-109	10/29/01	3809.53	17.59	0	3791.94
MW-109	04/15/02	3809.53	17.96	0	3791.57
MW-109	10/14/02	3809.53	15.87	0	3793.66
MW-109	04/15/03	3809.53	16.99	0	3792.54
MW-109	10/14/03	3809.53	17.55	0	3791.98
MW-109	04/05/04	3809.53	18.16	0	3791.37
MW-109	10/05/04	3809.53	14.76	0	3794.77
MW-109	04/19/05	3809.53	15.90	0	3793.63
MW-109	10/24/05	3809.53	17.09	0	3792.44
MW-117	10/01/03	3807.86	20.76	0	3787.10
MW-117	04/05/04	3807.86	20.68	0	3787.18
MW-117	10/05/04	3807.86	14.14	0	3793.72
MW-117	04/19/05	3807.86	18.00	0	3789.86
MW-117	10/24/05	3807.86	20.49	0	3787.37
MW-126	01/05/00	3795.58	53.08	0	3742.50
MW-126	04/26/00	3795.58	54.03	0	3741.55
MW-126	09/27/00	3795.58	60.29	0	3735.29
MW-126	04/16/01	3795.58	54.25	0.52	3741.71
MW-126	10/29/01	3795.58	57.82	2.1	3739.29
MW-126	04/15/02	3795.58	56.95	2.23	3740.26
MW-126	10/14/02	3795.58	54.03	2.57	3743.43
MW-126	04/15/03	3796.28	63.65	3.96	3735.52
MW-126	10/14/03	3796.28	68.01	0	3728.27
MW-126	04/05/04	3796.28	70.04	0	3726.24
MW-126	10/05/04	3796.28	48.01	0.01	3748.28
MW-126	04/19/05	3796.28	50.63	0.25	3745.83
MW-126	10/24/05	3796.28	51.78	0	3744.50
STOCK WELL	01/01/94	3779.76	19.61	0	3760.15
SUMP-16A	12/01/91	3785.14	11.55	0	3773.49
SUMP-16A	04/15/92	3785.14	12.02	0	3773.12
SUMP-16A	07/01/92	3785.14	4.87	0	3780.27
SUMP-16A	10/01/92	3785.14	12.00	0	3773.14
SUMP-16A	01/01/93	3785.14	13.00	0	3772.14
SUMP-16A	04/01/93	3785.14	14.15	0	3770.99
SUMP-16A	10/01/94	3785.14	11.25	0	3773.89
SUMP-16A	01/01/95	3785.14	16.34	0	3768.80
SUMP-16A	04/01/95	3785.14	17.32	0	3767.82
SUMP-16A	07/01/95	3785.14	17.32	0	3767.82
SUMP-16A	10/01/95	3785.14	14.60	0	3770.54

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 20 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
SUMP-16A	01/16/96	3785.14	16.30	0	3768.84
SUMP-16A	04/19/96	3785.14	17.45	0	3767.69
SUMP-16A	07/15/96	3785.14	16.85	0	3768.29
SUMP-16A	10/13/96	3785.14	15.99	0	3769.15
SUMP-16A	04/26/00	3785.14	D	--	--
SUMP-16A	09/27/00	3785.14	- NR	--	--
SUMP-16A	04/16/01	3785.14	13.70	0	3771.44
SUMP-16A	10/29/01	3785.14	13.87	0	3771.27
SUMP-16A	04/15/02	3785.14	D	--	--
SUMP-16A	10/14/02	3785.14	D	--	--
SUMP-16A	04/15/03	3785.14	D	--	--
SUMP-16A	10/14/03	3785.14	D	--	--
SUMP-16A	04/05/04	3785.14	D	--	--
SUMP-16A	10/05/04	3785.14	5.27	0	3779.87
SUMP-16A	04/19/05	3785.14	D	--	--
SUMP-16A	10/24/05	3785.14	D	--	--
Lower Queen Wells					
SUMP-A10	01/16/96	3800.99	D	--	--
SUMP-A10	04/19/96	3800.99	D	--	--
SUMP-A10	07/15/96	3800.99	D	--	--
SUMP-A10	10/13/96	3800.99	11.62	0	3789.37
SUMP-A10	04/26/00	3800.99	D	--	--
SUMP-A10	09/27/00	3800.99	NR	--	--
SUMP-A10	04/16/01	3800.99	D	--	--
SUMP-A10	10/29/01	3800.99	D	--	--
SUMP-A10	04/15/02	3800.99	D	--	--
SUMP-A10	10/14/02	3800.99	D	--	--
SUMP-A10	04/15/03	3800.99	D	--	--
SUMP-A10	10/14/03	3800.99	D	--	--
SUMP-A10	04/05/04	3800.99	D	--	--
SUMP-A10	10/05/04	3800.99	8.42	0	3789.37
SUMP-A10	04/19/05	3800.99	D	--	--
SUMP-A10	10/24/05	3800.99	D	--	--

Lower Queen Wells

MW-57	05/28/91	3787.70	160.25	0	3627.45
MW-57	06/01/91	3787.70	160.25	0	3627.45
MW-57	07/16/91	3787.70	160.29	0	3627.41
MW-57	08/21/91	3787.70	155.50	0	3632.20
MW-57	09/18/91	3787.70	154.29	0	3633.41
MW-57	10/22/91	3787.70	157.11	0	3630.59
MW-57	11/15/91	3787.70	157.50	0	3630.20
MW-57	03/01/92	3787.70	157.92	0	3629.78
MW-57	04/01/92	3787.70	157.59	0	3630.11
MW-57	05/01/92	3787.70	148.00	0	3639.70
MW-57	06/01/92	3787.70	151.21	0	3636.49
MW-57	07/01/92	3787.70	154.07	0	3633.63
MW-57	08/01/92	3787.70	155.24	0	3632.46
MW-57	09/01/92	3787.70	155.67	0	3632.03
MW-57	10/01/92	3787.70	156.01	0	3631.69
MW-57	11/01/92	3787.70	156.31	0	3631.39
MW-57	12/01/92	3787.70	156.55	0	3631.15
MW-57	01/01/93	3787.70	156.68	0	3631.02
MW-57	02/01/93	3787.70	156.79	0	3630.91
MW-57	03/01/93	3787.70	157.00	0	3630.70
MW-57	04/01/93	3787.70	156.95	0	3630.75
MW-57	05/01/93	3787.70	157.23	0	3630.47
MW-57	06/01/93	3787.70	157.13	0	3630.57
MW-57	07/01/93	3787.70	157.42	0	3630.28
MW-57	08/01/93	3787.70	157.28	0	3630.42
MW-57	09/01/93	3787.70	157.57	0	3630.13
MW-57	10/01/93	3787.70	157.65	0	3630.05
MW-57	11/01/93	3787.70	157.89	0	3629.81
MW-57	12/01/93	3787.70	157.96	0	3629.74
MW-57	01/01/94	3787.70	157.91	0	3629.79
MW-57	02/01/94	3787.70	158.78	0	3628.92
MW-57	03/01/94	3787.70	158.92	0	3628.78
MW-57	04/01/94	3787.70	158.96	0	3628.74
MW-57	05/01/94	3787.70	158.74	0	3628.96
MW-57	07/01/94	3787.70	158.49	0	3629.21
MW-57	08/01/94	3787.70	158.16	0	3629.54
MW-57	09/01/94	3787.70	158.14	0	3629.56
MW-57	10/01/94	3787.70	158.31	0	3629.39
MW-57	12/01/94	3787.70	159.51	0	3628.19
MW-57	01/01/95	3787.70	158.77	0	3628.93
MW-57	04/01/95	3787.70	158.96	0	3628.74
MW-57	07/01/95	3787.70	158.06	0	3629.64
MW-57	10/01/95	3787.70	159.23	0	3628.47
MW-57	01/16/96	3787.70	159.67	0	3628.03
MW-57	04/17/96	3787.70	161.95	0	3625.75
MW-57	07/16/96	3787.70	162.02	0	3625.68
MW-57	10/14/96	3787.70	158.83	0	3628.87
MW-57	02/04/97	3787.70	159.89	0	3627.81
MW-57	04/29/97	3787.70	160.23	0	3627.47
MW-57	07/15/97	3787.70	160.29	0	3627.41
MW-57	09/30/97	3787.70	161.30	0	3626.40
MW-57	10/09/97	3787.70	161.33	0	3626.37
MW-57	10/14/97	3787.70	161.13	0	3626.57
MW-57	10/29/97	3787.70	161.04	0.01	3626.66
MW-57	11/04/97	3787.70	161.23	0.01	3626.47

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 21 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-57	11/12/97	3787.70	161.26	0.01	3626.44
MW-57	11/19/97	3787.70	161.34	0.01	3626.36
MW-57	11/24/97	3787.70	161.33	0	3626.37
MW-57	12/10/97	3787.70	161.30	0	3626.40
MW-57	01/28/98	3787.70	161.11	0	3626.59
MW-57	02/25/98	3787.70	161.44	0	3626.26
MW-57	04/27/98	3787.70	161.29	0	3626.41
MW-57	05/28/98	3787.70	161.67	0	3626.03
MW-57	06/16/98	3787.70	161.62	0	3626.08
MW-57	10/10/98	3787.70	162.11	0	3625.59
MW-57	01/27/99	3787.70	162.16	0	3625.54
MW-57	04/19/99	3787.70	162.33	0	3625.37
MW-57	01/05/00	3787.70	162.62	0	3625.08
MW-57	04/26/00	3787.70	162.70	0	3625.00
MW-57	09/27/00	3787.70	163.02	0	3624.68
MW-57	04/16/01	3787.70	163.15	0	3624.55
MW-57	10/29/01	3787.70	163.44	0	3624.26
MW-57	04/15/02	3787.70	163.52	0	3624.18
MW-57	10/14/02	3787.70	162.26	0	3625.44
MW-57	04/15/03	3787.70	163.18	0	3624.52
MW-57	10/14/03	3787.70	164.24	0	3623.46
MW-57	04/05/04	3787.70	164.31	0	3623.39
MW-57	10/05/04	3787.70	159.72	0	3627.98
MW-57	04/19/05	3787.70	162.91	0	3624.79
MW-57	10/24/05	3787.70	162.61	0	3625.09
MW-58	07/18/91	3824.07	197.91	0	3626.16
MW-58	08/21/91	3824.07	193.76	0	3630.31
MW-58	09/18/91	3824.07	193.26	0	3630.81
MW-58	10/22/91	3824.07	194.45	0	3629.62
MW-58	11/15/91	3824.07	194.77	0	3629.30
MW-58	01/16/96	3824.07	D	--	--
MW-58	07/16/96	3824.07	D	--	--
MW-58	10/14/96	3824.07	196.01	0.01	3628.06
MW-58	02/04/97	3824.07	203.00	0	3621.07
MW-58	04/28/97	3824.07	204.14	0	3619.93
MW-58	07/15/97	3824.07	197.66	0	3628.41
MW-58	10/01/97	3824.07	199.20	0.3	3625.08
MW-58	10/09/97	3824.07	199.52	0.67	3625.03
MW-58	10/14/97	3824.07	196.10	0	3627.97
MW-58	01/28/98	3824.07	198.55	0	3625.52
MW-58	05/28/98	3824.07	205.14	0	3618.93
MW-58	10/11/98	3824.07	200.48	0	3623.59
MW-58	01/27/99	3824.07	D	--	--
MW-58	04/19/99	3824.07	217.17	0	3606.90
MW-58	01/05/00	3824.07	210.57	0	3613.50
MW-58	04/26/00	3824.07	223.51	0	3600.56
MW-58	09/27/00	3824.07	220.18	0	3603.89
MW-58	04/16/01	3824.07	114.83	0	3709.24
MW-58	10/29/01	3824.07	177.31	0	3644.41
MW-58	04/15/02	3824.07	201.92	0	3622.15
MW-58	10/14/02	3824.07	199.69	0	3624.38
MW-58	02/13/03	3824.07	201.08	0	3622.99
MW-58	03/10/03	3824.07	202.20	0	3621.87
MW-58	04/15/03	3824.07	201.17	0	3622.90
MW-58	05/15/03	3824.07	201.82	0	3622.25
MW-58	06/24/03	3824.07	201.71	0	3622.36
MW-58	07/15/03	3824.07	202.89	0	3621.18
MW-58	08/08/03	3824.07	201.98	0	3622.09
MW-58	09/12/05	3824.07	202.20	0	3621.87
MW-58	10/14/03	3824.07	202.19	0	3621.88
MW-58	11/07/03	3824.07	202.29	0	3621.78
MW-58	12/04/03	3824.07	202.26	0	3621.81
MW-58	01/08/04	3824.07	202.38	0.1	3621.76
MW-58	02/12/04	3824.07	202.47	0	3621.60
MW-58	03/25/04	3824.07	202.49	0	3621.58
MW-58	04/05/04	3824.07	202.32	0	3621.75
MW-58	05/27/04	3824.07	201.37	0.01	3622.71
MW-58	06/17/04	3824.07	202.00	0	3622.07
MW-58	07/15/04	3824.07	202.08	0	3621.99
MW-58	08/19/04	3824.07	202.98	0.06	3621.13
MW-58	09/09/04	3824.07	201.74	0	3622.33
MW-58	10/05/04	3824.07	198.82	0	3625.25
MW-58	11/19/04	3824.07	199.30	0.28	3624.97
MW-58	12/07/04	3824.07	202.14	0	3621.93
MW-58	01/11/05	3824.07	200.70	0.58	3623.79
MW-58	02/08/05	3824.07	200.56	0	3623.51
MW-58	03/08/05	3824.07	200.87	0	3623.20
MW-58	04/19/05	3824.07	207.19	0	3616.88
MW-58	05/09/05	3824.07	207.19	0	3616.88
MW-58	06/21/05	3824.07	200.04	0	3624.03
MW-58	07/19/05	3824.07	199.94	0	3624.13
MW-58	08/08/05	3824.07	200.03	0	3624.04
MW-58	09/20/05	3824.07	199.02	0	3625.05
MW-58	10/24/05	3824.07	199.84	0.46	3624.57
MW-59	07/18/91	3819.59	193.98	0	3625.61
MW-59	08/21/91	3819.59	189.84	0	3629.75
MW-59	09/18/91	3819.59	189.38	0	3630.21
MW-59	10/22/91	3819.59	190.65	0	3628.94

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 22 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-59	11/15/91	3819.59	190.00	0	3629.59
MW-59	01/16/96	3819.59	192.56	0.07	3627.08
MW-59	04/17/96	3819.59	193.37	1.37	3627.22
MW-59	07/16/96	3819.59	193.40	1.42	3627.22
MW-59	10/14/96	3819.59	192.43	1.22	3628.05
MW-59	02/04/97	3819.59	193.70	1.28	3626.82
MW-59	04/29/97	3819.59	194.09	1.14	3626.33
MW-59	07/15/97	3819.59	194.11	1.17	3626.33
MW-59	09/30/97	3819.59	195.30	1.2	3625.16
MW-59	10/09/97	3819.59	194.05	0	3625.54
MW-59	10/14/97	3819.59	195.81	1.99	3625.23
MW-59	01/28/98	3819.59	193.94	0	3625.65
MW-59	04/27/98	3819.59	194.15	0	3625.44
MW-59	05/28/98	3819.59	195.72	1.16	3624.71
MW-59	06/16/98	3819.59	195.59	1.19	3624.86
MW-59	10/10/98	3819.59	194.84	1.09	3625.54
MW-59	01/27/99	3819.59	195.95	0.89	3624.29
MW-59	04/19/99	3819.59	195.95	0.78	3624.21
MW-59	01/05/00	3819.59	195.39	0	3624.20
MW-59	04/26/00	3819.59	193.72	0	3625.87
MW-59	09/27/00	3819.59	196.28	0	3623.31
MW-59	04/18/01	3819.59	196.48	0	3623.11
MW-59	10/29/01	3819.59	196.58	0	3623.01
MW-59	04/15/02	3819.59	195.69	0	3623.90
MW-59	10/14/02	3819.59	195.40	0	3624.19
MW-59	04/15/03	3819.59	200.58	0	3619.01
MW-59	10/14/03	3819.59	197.16	0	3622.43
MW-59	04/05/04	3819.59	197.09	0	3622.50
MW-59	10/05/04	3819.59	193.29	0	3626.30
MW-59	04/19/05	3819.59	193.75	0	3625.84
MW-59	10/24/05	3819.59	193.54	0	3626.05
MW-60	10/16/91	3815.28	186.22	0	3627.06
MW-60	08/21/91	3815.28	184.81	0	3630.47
MW-60	09/18/91	3815.28	184.32	0	3630.96
MW-60	10/22/91	3815.28	185.50	0	3629.78
MW-60	11/15/91	3815.28	185.43	0	3629.85
MW-60	03/01/92	3815.28	186.00	0	3629.28
MW-60	04/01/92	3815.28	185.79	0	3629.49
MW-60	05/01/92	3815.28	180.10	0	3635.18
MW-60	06/01/92	3815.28	181.67	0	3633.61
MW-60	07/01/92	3815.28	183.21	0	3632.07
MW-60	08/01/92	3815.28	183.61	0	3631.67
MW-60	09/01/92	3815.28	183.94	0	3631.34
MW-60	10/01/92	3815.28	184.18	0	3631.10
MW-60	11/01/92	3815.28	184.44	0	3630.84
MW-60	12/01/92	3815.28	184.67	0	3630.61
MW-60	01/01/93	3815.28	184.75	0	3630.53
MW-60	02/01/93	3815.28	184.86	0	3630.42
MW-60	03/01/93	3815.28	185.08	0	3630.20
MW-60	04/01/93	3815.28	185.02	0	3630.26
MW-60	05/01/93	3815.28	185.29	0	3629.99
MW-60	06/01/93	3815.28	185.23	0	3630.05
MW-60	07/01/93	3815.28	185.47	0	3629.81
MW-60	08/01/93	3815.28	185.41	0	3629.87
MW-60	09/01/93	3815.28	185.66	0	3629.62
MW-60	10/01/93	3815.28	185.70	0	3629.58
MW-60	11/01/93	3815.28	185.96	0	3629.32
MW-60	12/01/93	3815.28	185.98	0	3629.30
MW-60	01/01/94	3815.28	185.93	0	3629.35
MW-60	02/01/94	3815.28	186.79	0	3628.49
MW-60	03/01/94	3815.28	184.91	0	3630.37
MW-60	04/01/94	3815.28	186.91	0	3628.37
MW-60	05/01/94	3815.28	186.71	0	3628.57
MW-60	07/01/94	3815.28	186.54	0	3628.74
MW-60	08/01/94	3815.28	185.34	0	3629.94
MW-60	09/01/94	3815.28	186.24	0	3629.04
MW-60	10/01/94	3815.28	186.44	0	3628.84
MW-60	12/01/94	3815.28	187.54	0	3627.74
MW-60	01/01/95	3815.28	186.81	0	3628.47
MW-60	04/01/95	3815.28	187.01	0	3628.27
MW-60	07/01/95	3815.28	187.09	0	3628.19
MW-60	10/01/95	3815.28	187.29	0	3627.99
MW-60	01/11/96	3815.28	187.76	0	3627.52
MW-60	04/17/96	3815.28	187.83	0	3627.45
MW-60	07/16/96	3815.28	188.04	0	3627.24
MW-60	10/13/96	3815.28	187.89	0	3627.39
MW-60	02/04/97	3815.28	188.19	0	3627.09
MW-60	03/18/97	3815.28	188.40	0	3626.88
MW-60	04/28/97	3815.28	188.48	0	3626.80
MW-60	07/14/97	3815.28	188.74	0	3626.54
MW-60	10/01/97	3815.28	189.70	0	3625.58
MW-60	10/09/97	3815.28	189.65	0	3625.63
MW-60	10/13/97	3815.28	189.97	0	3625.31
MW-60	01/27/98	3815.28	189.37	0	3625.91
MW-60	04/27/98	3815.28	189.65	0	3625.63
MW-60	05/28/98	3815.28	190.32	0	3624.96
MW-60	06/15/98	3815.28	189.90	0	3625.38
MW-60	10/10/98	3815.28	190.04	0	3625.24
MW-60	01/27/99	3815.28	190.99	0	3624.29

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 23 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-60	04/19/99	3815.28	190.92	0	3624.36
MW-60	01/05/00	3815.28	190.71	0	3624.57
MW-60	04/26/00	3815.28	190.88	0	3624.40
MW-60	09/27/00	3815.28	192.24	0	3623.04
MW-60	04/16/01	3815.28	191.16	0	3624.12
MW-60	10/29/01	3815.28	191.65	0	3623.63
MW-60	04/15/02	3815.28	191.62	0	3623.66
MW-60	10/14/02	3815.28	190.59	0	3624.69
MW-60	04/15/03	3815.28	191.10	0	3624.18
MW-60	10/14/03	3815.28	192.17	0	3623.11
MW-60	04/05/04	3815.28	192.21	0	3623.07
MW-60	10/05/04	3815.28	188.43	0	3626.85
MW-60	04/19/05	3815.28	190.96	0	3624.32
MW-60	10/24/05	3815.28	190.69	0	3624.59
MW-61A	07/18/91	3815.97	189.06	0	3626.91
MW-61A	08/21/91	3815.97	186.85	0	3629.12
MW-61A	09/18/91	3815.97	186.92	0	3629.05
MW-61A	10/22/91	3815.97	187.99	0	3627.98
MW-61A	11/15/91	3815.97	187.00	0	3628.97
MW-61A	10/01/94	3815.97	187.26	0	3628.71
MW-61A	12/01/94	3815.97	188.24	0	3627.73
MW-61A	01/01/95	3815.97	187.57	0	3628.40
MW-61A	02/04/97	3815.97	187.98	0	3627.99
MW-61A	04/28/97	3815.97	188.14	0	3627.83
MW-61A	07/14/97	3815.97	191.60	0	3624.37
MW-61A	09/30/97	3815.97	191.10	0	3624.87
MW-61A	10/09/97	3815.97	192.16	0.01	3623.81
MW-61A	10/13/97	3815.97	190.78	0	3625.19
MW-61A	01/27/98	3815.97	192.27	0	3623.70
MW-61A	04/27/98	3815.97	192.64	0	3623.33
MW-61A	05/28/98	3815.97	192.00	0	3623.97
MW-61A	06/15/98	3815.97	193.73	0	3622.24
MW-61A	10/10/98	3815.97	193.22	0	3622.75
MW-61A	01/27/99	3815.97	193.37	0	3622.60
MW-61A	04/19/99	3815.97	202.48	0	3613.49
MW-61A	01/05/00	3815.97	193.51	0	3622.46
MW-61A	04/26/00	3815.97	192.33	0	3623.64
MW-61A	09/27/00	3815.97	192.75	0	3623.22
MW-61A	04/16/01	3815.97	192.52	0	3623.45
MW-61A	10/29/01	3815.97	192.80	0	3623.17
MW-61A	04/15/02	3815.97	193.02	0	3622.95
MW-61A	10/14/02	3815.97	192.02	0	3623.95
MW-61A	04/15/03	3819.97	192.45	0	3627.52
MW-61A	10/14/03	3819.97	193.42	0	3626.55
MW-61A	04/05/04	3819.97	193.65	0	3626.32
MW-61A	10/05/04	3819.97	189.71	0	3630.26
MW-61A	04/19/05	3819.97	192.50	0	3627.47
MW-61A	10/24/05	3819.97	192.12	0	3627.85
MW-62	08/21/91	3819.90	189.51	0	3630.39
MW-62	09/18/91	3819.90	189.11	0	3630.79
MW-62	10/22/91	3819.90	190.80	0	3629.10
MW-62	11/15/91	3819.90	189.60	0	3630.30
MW-62	01/16/96	3819.90	192.04	0.01	3627.86
MW-62	04/17/96	3819.90	192.39	0.01	3627.51
MW-62	07/16/96	3819.90	192.34	0	3627.56
MW-62	10/14/96	3819.90	191.45	0.01	3628.45
MW-62	02/04/97	3819.90	192.57	0	3627.33
MW-62	04/28/97	3819.90	192.89	0	3627.01
MW-62	07/15/97	3819.90	193.26	0	3626.64
MW-62	09/30/97	3819.90	194.20	0	3625.70
MW-62	10/09/97	3819.90	194.20	0	3625.70
MW-62	10/14/97	3819.90	193.80	0	3626.10
MW-62	10/29/97	3819.90	194.22	0.01	3625.68
MW-62	11/04/97	3819.90	194.18	0	3625.72
MW-62	11/12/97	3819.90	194.14	0.02	3625.77
MW-62	11/19/97	3819.90	194.30	0.01	3625.60
MW-62	11/24/97	3819.90	194.24	0.01	3625.66
MW-62	12/10/97	3819.90	194.33	0	3625.57
MW-62	01/28/98	3819.90	193.81	0	3626.09
MW-62	02/25/98	3819.90	194.32	0	3625.58
MW-62	04/27/98	3819.90	194.22	0	3625.68
MW-62	05/28/98	3819.90	194.76	0	3625.14
MW-62	06/16/98	3819.90	194.34	0	3625.56
MW-62	10/10/98	3819.90	194.77	0	3625.13
MW-62	01/27/99	3819.90	194.92	0	3624.98
MW-62	04/19/99	3819.90	195.03	0	3624.87
MW-62	01/05/00	3819.90	195.19	0	3624.71
MW-62	04/26/00	3819.90	195.41	0	3624.49
MW-62	09/27/00	3819.90	196.80	0	3623.10
MW-62	04/16/01	3819.90	195.66	0	3624.24
MW-62	10/29/01	3819.90	196.14	0	3623.76
MW-62	04/15/02	3819.90	196.16	0	3623.74
MW-62	10/14/02	3819.90	195.03	0	3624.87
MW-62	04/15/03	3819.90	200.49	0	3619.41
MW-62	10/14/03	3819.90	196.71	0	3623.19
MW-62	04/05/04	3819.90	196.79	0	3623.11
MW-62	10/05/04	3819.90	192.20	0	3627.70
MW-62	04/19/05	3819.90	195.50	0	3624.40

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 24 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-62	10/24/05	3819.90	195.25	0	3624.65
MW-63	08/21/91	3826.16	193.73	0	3632.43
MW-63	09/18/91	3826.16	190.65	0	3635.51
MW-63	10/22/91	3826.16	194.29	0	3631.87
MW-63	11/15/91	3826.16	195.34	0	3630.82
MW-63	03/01/92	3826.16	196.82	0	3629.34
MW-63	04/01/92	3826.16	197.02	0	3629.14
MW-63	05/01/92	3826.16	183.25	0	3642.91
MW-63	06/01/92	3826.16	187.21	0	3638.95
MW-63	07/01/92	3826.16	189.00	0	3637.16
MW-63	08/01/92	3826.16	192.73	0	3633.43
MW-63	09/01/92	3826.16	193.65	0	3632.51
MW-63	10/01/92	3826.16	194.24	0	3631.92
MW-63	11/01/92	3826.16	194.90	0	3631.26
MW-63	12/01/92	3826.16	195.32	0	3630.84
MW-63	01/01/93	3826.16	195.55	0	3630.61
MW-63	02/01/93	3826.16	195.84	0	3630.32
MW-63	03/01/93	3826.16	196.14	0	3630.02
MW-63	04/01/93	3826.16	195.99	0	3630.17
MW-63	05/01/93	3826.16	196.34	0	3629.82
MW-63	06/01/93	3826.16	196.43	0	3629.73
MW-63	07/01/93	3826.16	196.62	0	3629.54
MW-63	08/01/93	3826.16	196.69	0	3629.47
MW-63	09/01/93	3826.16	196.93	0	3629.23
MW-63	10/01/93	3826.16	196.89	0	3629.27
MW-63	11/01/93	3826.16	197.32	0	3628.84
MW-63	12/01/93	3826.16	197.43	0	3628.73
MW-63	01/01/94	3826.16	197.33	0	3628.83
MW-63	02/01/94	3826.16	198.42	0	3627.74
MW-63	03/01/94	3826.16	198.37	0	3627.79
MW-63	04/01/94	3826.16	197.47	0	3628.69
MW-63	05/01/94	3826.16	198.28	0	3627.88
MW-63	07/01/94	3826.16	197.98	0	3628.18
MW-63	08/01/94	3826.16	197.12	0	3629.04
MW-63	09/01/94	3826.16	197.33	0	3628.83
MW-63	10/01/94	3826.16	197.74	0	3628.42
MW-63	12/01/94	3826.16	199.00	0	3627.16
MW-63	01/01/95	3826.16	198.20	0	3627.96
MW-63	04/01/95	3826.16	198.46	0	3627.70
MW-63	07/01/95	3826.16	198.49	0	3627.67
MW-63	10/01/95	3826.16	198.57	0	3627.59
MW-63	01/16/96	3826.16	198.90	0	3627.26
MW-63	04/17/96	3826.16	199.23	0	3626.93
MW-63	07/16/96	3826.16	198.91	0	3627.25
MW-63	10/13/96	3826.16	194.89	0	3631.27
MW-63	02/04/97	3826.16	199.01	0	3627.15
MW-63	04/28/97	3826.16	199.46	0	3626.70
MW-63	07/14/97	3826.16	200.01	0	3626.15
MW-63	10/01/97	3826.16	200.80	0	3625.36
MW-63	10/09/97	3826.16	209.05	0	3617.11
MW-63	10/13/97	3826.16	200.88	0	3625.28
MW-63	01/27/98	3826.16	200.96	0	3625.20
MW-63	04/27/98	3826.16	201.28	0	3624.88
MW-63	05/28/98	3826.16	200.72	0	3625.44
MW-63	06/16/98	3826.16	201.56	0	3624.60
MW-63	10/09/98	3826.16	202.01	0	3624.15
MW-63	01/27/99	3826.16	202.44	0	3623.72
MW-63	04/19/99	3826.16	202.39	0	3623.77
MW-63	01/05/00	3826.16	202.45	0	3623.71
MW-63	04/26/00	3826.16	202.80	0	3623.36
MW-63	09/27/00	3826.16	202.88	0	3623.28
MW-63	04/16/01	3826.16	203.06	0	3623.10
MW-63	10/29/01	3826.16	203.03	0	3623.13
MW-63	04/15/02	3826.16	203.39	0	3622.77
MW-63	10/14/02	3826.16	198.14	0	3628.02
MW-63	04/15/03	3826.16	200.66	0	3625.50
MW-63	10/14/03	3826.16	201.90	0	3624.26
MW-63	04/05/04	3826.16	202.21	0	3623.95
MW-63	10/05/04	3826.16	199.78	0	3626.38
MW-63	04/19/05	3826.16	201.80	0	3624.36
MW-63	10/24/05	3826.16	200.36	0	3625.80
MW-64	08/21/91	3798.57	167.43	0	3631.14
MW-64	09/18/91	3798.57	167.21	0	3631.36
MW-64	10/22/91	3798.57	168.66	0	3629.91
MW-64	11/15/91	3798.57	168.90	0	3629.67
MW-64	03/01/92	3798.57	169.20	0	3629.37
MW-64	04/01/92	3798.57	169.00	0	3629.57
MW-64	05/01/92	3798.57	161.58	0	3636.99
MW-64	06/01/92	3798.57	164.25	0	3634.32
MW-64	07/01/92	3798.57	166.36	0	3632.21
MW-64	08/01/92	3798.57	166.82	0	3631.75
MW-64	09/01/92	3798.57	167.17	0	3631.40
MW-64	10/01/92	3798.57	167.45	0	3631.12
MW-64	11/01/92	3798.57	167.63	0	3630.94
MW-64	12/01/92	3798.57	167.85	0	3630.72
MW-64	01/01/93	3798.57	167.99	0	3630.58
MW-64	02/01/93	3798.57	168.08	0	3630.49
MW-64	03/01/93	3798.57	168.26	0	3630.31

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 25 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-64	04/01/93	3798.57	168.22	0	3630.35
MW-64	05/01/93	3798.57	168.52	0	3630.05
MW-64	06/01/93	3798.57	168.46	0	3630.11
MW-64	07/01/93	3798.57	168.70	0	3629.87
MW-64	08/01/93	3798.57	168.59	0	3629.98
MW-64	09/01/93	3798.57	168.83	0	3629.74
MW-64	10/01/93	3798.57	168.88	0	3629.69
MW-64	11/01/93	3798.57	169.09	0	3629.48
MW-64	12/01/93	3798.57	169.13	0	3629.44
MW-64	01/01/94	3798.57	169.12	0	3629.45
MW-64	02/01/94	3798.57	169.92	0	3628.65
MW-64	03/01/94	3798.57	170.05	0	3628.52
MW-64	04/01/94	3798.57	170.03	0	3628.54
MW-64	05/01/94	3798.57	169.89	0	3628.68
MW-64	07/01/94	3798.57	169.65	0	3628.92
MW-64	08/01/94	3798.57	168.39	0	3630.18
MW-64	09/01/94	3798.57	169.32	0	3629.25
MW-64	10/01/94	3798.57	169.56	0	3629.01
MW-64	12/01/94	3798.57	170.71	0	3627.86
MW-64	01/01/95	3798.57	169.94	0	3628.63
MW-64	04/01/95	3798.57	170.13	0	3628.44
MW-64	07/01/95	3798.57	170.24	0	3628.33
MW-64	10/01/95	3798.57	170.33	0	3628.24
MW-64	01/19/96	3798.57	170.87	0	3627.70
MW-64	04/17/96	3798.57	170.98	0	3627.59
MW-64	07/16/96	3798.57	171.27	0.33	3627.54
MW-64	10/13/96	3798.57	170.69	0.29	3628.09
MW-64	02/04/97	3798.57	171.53	0.38	3627.31
MW-64	03/18/97	3798.57	171.95	0.55	3627.02
MW-64	04/28/97	3798.57	171.93	0.55	3627.04
MW-64	07/15/97	3798.57	171.41	0.53	3627.54
MW-64	10/01/97	3798.57	173.70	1.4	3625.89
MW-64	10/09/97	3798.57	173.58	1.28	3625.92
MW-64	10/13/97	3798.57	173.33	1.29	3626.18
MW-64	10/21/97	3798.57	173.34	1.17	3626.08
MW-64	11/12/97	3798.57	176.15	0	3622.42
MW-64	11/19/97	3798.57	173.02	0	3625.55
MW-64	11/24/97	3798.57	174.56	0	3624.01
MW-64	12/10/97	3798.57	174.50	0	3624.07
MW-64	01/06/98	3798.57	174.50	0	3624.07
MW-64	01/15/98	3798.57	174.40	0	3624.17
MW-64	01/20/98	3798.57	174.56	0	3624.01
MW-64	01/28/98	3798.57	174.56	0	3624.01
MW-64	02/03/98	3798.57	173.16	0	3625.41
MW-64	02/25/98	3798.57	172.77	0	3625.80
MW-64	04/27/98	3798.57	172.74	0	3625.83
MW-64	05/28/98	3798.57	173.84	0	3624.73
MW-64	06/15/98	3798.57	173.03	0	3625.54
MW-64	10/10/98	3798.57	173.41	0	3625.16
MW-64	01/27/99	3798.57	173.54	0	3625.03
MW-64	04/19/99	3798.57	173.62	0	3624.95
MW-64	01/05/00	3798.57	173.82	0	3624.75
MW-64	04/26/00	3798.57	173.96	0	3624.61
MW-64	09/27/00	3798.57	174.37	0	3624.20
MW-64	04/16/01	3798.57	174.48	0	3624.09
MW-64	10/29/01	3798.57	174.79	0	3623.78
MW-64	04/15/02	3798.57	174.80	0	3623.77
MW-64	10/14/02	3798.57	173.94	0	3624.63
MW-64	04/15/03	3798.57	174.22	0	3624.35
MW-64	10/14/03	3798.57	175.25	0	3623.32
MW-64	04/05/04	3798.57	175.36	0	3623.21
MW-64	10/05/04	3798.57	170.85	0	3627.72
MW-64	04/19/05	3798.57	174.14	0	3624.43
MW-64	10/24/05	3798.57	173.86	0	3624.71
MW-65A	09/21/91	3763.26	131.30	0	3631.90
MW-65A	09/18/91	3763.26	130.91	0	3632.35
MW-65A	10/22/91	3763.26	133.09	0	3630.17
MW-65A	11/15/91	3763.26	133.70	0	3629.56
MW-65A	01/16/96	3763.26	136.11	1.3	3628.09
MW-65A	06/15/98	3763.26	137.96	0.93	3625.97
MW-65A	01/05/00	3763.26	139.58	0.97	3624.39
MW-65A	04/26/00	3763.26	138.78	0	3624.48
MW-65A	09/27/00	3763.26	139.93	0	3623.33
MW-65A	04/16/01	3763.26	139.61	0	3623.65
MW-65A	10/29/01	3763.26	139.99	0	3623.27
MW-65A	04/15/02	3763.26	140.06	0.9	3623.86
MW-65A	10/14/02	3763.26	138.45	0	3624.81
MW-65A	02/13/03	3763.26	139.74	0	3623.52
MW-65A	03/10/03	3763.26	140.22	0	3623.04
MW-65A	04/15/03	3763.26	139.05	0	3624.21
MW-65A	05/15/03	3763.26	140.03	0.35	3623.49
MW-65A	06/05/03	3763.26	140.00	0.38	3623.54
MW-65A	07/15/03	3763.26	140.16	0.42	3623.41
MW-65A	08/06/03	3763.26	140.22	0.42	3623.35
MW-65A	09/12/03	3763.26	140.10	0.09	3623.23
MW-65A	10/14/03	3763.26	140.09	0	3623.17
MW-65A	11/07/03	3763.26	140.29	0	3622.97
MW-65A	12/04/03	3763.26	140.25	0	3623.01
MW-65A	01/08/04	3763.26	140.31	0	3622.95

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 26 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-65A	02/12/04	3763.26	140.43	0	3622.83
MW-65A	03/25/04	3763.26	140.41	0	3622.85
MW-65A	04/05/04	3763.26	140.31	0	3622.95
MW-65A	05/27/04	3763.26	140.07	0	3623.19
MW-65A	06/17/04	3763.26	139.62	0	3623.64
MW-65A	07/15/04	3763.26	139.64	0	3623.62
MW-65A	08/19/04	3763.26	138.51	0	3624.75
MW-65A	09/09/04	3763.26	139.27	0	3623.99
MW-65A	10/05/04	3763.26	135.53	0	3627.73
MW-65A	11/19/04	3763.26	136.27	0	3626.99
MW-65A	12/07/04	3763.26	137.62	0	3625.64
MW-65A	01/11/05	3763.26	138.04	0	3625.22
MW-65A	02/08/05	3763.26	138.31	0	3624.95
MW-65A	03/08/05	3763.26	138.57	0	3624.69
MW-65A	04/19/05	3763.26	138.88	0	3624.38
MW-65A	05/09/05	3763.26	138.86	0	3624.40
MW-65A	06/21/05	3763.26	139.04	0	3624.22
MW-65A	07/19/05	3763.26	138.97	0	3624.29
MW-65A	08/08/05	3763.26	139.03	0	3624.23
MW-65A	09/20/05	3763.26	138.12	0	3625.14
MW-65A	10/24/05	3763.26	138.53	0	3624.73
MW-66	09/21/91	3828.98	195.77	0	3632.21
MW-66	09/18/91	3828.98	198.73	0	3630.25
MW-66	10/22/91	3828.98	199.70	0	3629.28
MW-66	11/15/91	3828.98	199.88	0	3629.10
MW-66	03/01/92	3828.98	200.37	0	3628.61
MW-66	04/01/92	3828.98	200.25	0	3628.73
MW-66	05/01/92	3828.98	195.25	0	3633.73
MW-66	06/01/92	3828.98	196.08	0	3632.90
MW-66	07/01/92	3828.98	197.35	0	3631.63
MW-66	08/01/92	3828.98	197.77	0	3631.21
MW-66	09/01/92	3828.98	198.17	0	3630.81
MW-66	10/01/92	3828.98	198.40	0	3630.58
MW-66	11/01/92	3828.98	198.76	0	3630.22
MW-66	12/01/92	3828.98	198.98	0	3630.00
MW-66	01/01/93	3828.98	199.10	0	3629.88
MW-66	02/01/93	3828.98	199.23	0	3629.75
MW-66	03/01/93	3828.98	199.49	0	3629.49
MW-66	04/01/93	3828.98	199.38	0	3629.60
MW-66	05/01/93	3828.98	199.63	0	3629.35
MW-66	06/01/93	3828.98	199.59	0	3629.39
MW-66	07/01/93	3828.98	199.82	0	3629.16
MW-66	08/01/93	3828.98	199.78	0	3629.20
MW-66	09/01/93	3828.98	200.01	0	3628.97
MW-66	10/01/93	3828.98	200.09	0	3628.89
MW-66	11/01/93	3828.98	200.35	0	3628.63
MW-66	12/01/93	3828.98	200.42	0	3628.56
MW-66	01/01/94	3828.98	200.33	0	3628.65
MW-66	02/01/94	3828.98	201.39	0	3627.59
MW-66	03/01/94	3828.98	201.44	0	3627.54
MW-66	04/01/94	3828.98	201.36	0	3627.62
MW-66	05/01/94	3828.98	201.26	0	3627.72
MW-66	07/01/94	3828.98	200.91	0	3628.07
MW-66	08/01/94	3828.98	199.86	0	3629.12
MW-66	09/01/94	3828.98	200.66	0	3628.32
MW-66	10/01/94	3828.98	200.83	0	3628.15
MW-66	12/01/94	3828.98	201.96	0	3627.02
MW-66	01/01/95	3828.98	201.04	0	3627.94
MW-66	04/01/95	3828.98	202.26	0	3626.72
MW-66	07/01/95	3828.98	201.59	0	3627.39
MW-66	10/01/95	3828.98	201.62	0	3627.36
MW-66	01/16/96	3828.98	200.89	0	3628.09
MW-66	04/17/96	3828.98	202.29	0	3626.69
MW-66	07/16/96	3828.98	202.45	0	3626.53
MW-66	10/13/96	3828.98	200.80	0	3628.18
MW-66	02/04/97	3828.98	202.60	0	3626.38
MW-66	04/28/97	3828.98	202.84	0	3626.14
MW-66	07/14/97	3828.98	202.72	0	3626.26
MW-66	09/30/97	3828.98	204.00	0	3624.98
MW-66	10/09/97	3828.98	204.20	0	3624.78
MW-66	10/13/97	3828.98	203.77	0	3625.21
MW-66	01/27/98	3828.98	203.79	0	3625.19
MW-66	04/27/98	3828.98	204.09	0	3624.89
MW-66	05/28/98	3828.98	204.18	0	3624.80
MW-66	06/15/98	3828.98	204.37	0	3624.61
MW-66	10/10/98	3828.98	204.86	0	3624.12
MW-66	01/27/99	3828.98	205.05	0	3623.93
MW-66	04/19/99	3828.98	205.10	0	3623.88
MW-66	01/05/99	3828.98	205.13	0	3623.85
MW-66	04/26/00	3828.98	205.41	0	3623.57
MW-66	09/27/00	3828.98	205.78	0	3623.20
MW-66	04/16/01	3828.98	205.59	0	3623.39
MW-66	10/29/01	3828.98	206.04	0	3622.94
MW-66	04/15/02	3828.98	205.98	0	3623.00
MW-66	10/14/02	3828.98	199.87	0	3629.11
MW-66	04/15/03	3828.98	205.39	0	3623.59
MW-66	10/14/03	3828.98	206.41	0	3622.57
MW-66	04/05/04	3828.98	206.65	0	3622.33
MW-66	10/05/04	3828.98	203.05	0	3625.93

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 27 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-66	04/19/05	3828.98	205.48	0	3623.50
MW-66	10/24/05	3828.98	204.97	0	3624.01
MW-67	09/18/91	3765.87	133.99	0	3631.88
MW-67	10/22/91	3765.87	135.74	0	3630.13
MW-67	11/15/91	3765.87	136.00	0	3629.87
MW-67	03/01/92	3765.87	136.35	0	3629.52
MW-67	04/01/92	3765.87	136.25	0	3629.62
MW-67	05/01/92	3765.87	127.66	0	3638.21
MW-67	06/01/92	3765.87	131.08	0	3634.79
MW-67	07/01/92	3765.87	133.24	0	3632.63
MW-67	08/01/92	3765.87	133.89	0	3631.98
MW-67	09/01/92	3765.87	134.24	0	3631.63
MW-67	10/01/92	3765.87	134.33	0	3631.54
MW-67	11/01/92	3765.87	134.76	0	3631.11
MW-67	12/01/92	3765.87	135.00	0	3630.87
MW-67	01/01/93	3765.87	135.10	0	3630.77
MW-67	02/01/93	3765.87	135.19	0	3630.68
MW-67	03/01/93	3765.87	135.39	0	3630.48
MW-67	04/01/93	3765.87	135.37	0	3630.50
MW-67	05/01/93	3765.87	135.63	0	3630.24
MW-67	06/01/93	3765.87	135.58	0	3630.29
MW-67	07/01/93	3765.87	135.81	0	3630.06
MW-67	08/01/93	3765.87	135.69	0	3630.18
MW-67	09/01/93	3765.87	135.99	0	3629.88
MW-67	10/01/93	3765.87	136.04	0	3629.83
MW-67	11/01/93	3765.87	136.26	0	3629.61
MW-67	12/01/93	3765.87	136.31	0	3629.56
MW-67	01/01/94	3765.87	136.25	0	3629.62
MW-67	02/01/94	3765.87	137.16	0	3628.71
MW-67	03/01/94	3765.87	137.22	0	3628.65
MW-67	04/01/94	3765.87	137.31	0	3628.56
MW-67	05/01/94	3765.87	137.14	0	3628.73
MW-67	07/01/94	3765.87	136.82	0	3629.05
MW-67	08/01/94	3765.87	135.55	0	3630.32
MW-67	09/01/94	3765.87	136.58	0	3629.29
MW-67	10/01/94	3765.87	136.71	0	3629.16
MW-67	12/01/94	3765.87	137.89	0	3627.98
MW-67	01/01/95	3765.87	137.09	0	3628.78
MW-67	04/01/95	3765.87	137.29	0	3628.58
MW-67	07/01/95	3765.87	137.40	0	3628.47
MW-67	10/01/95	3765.87	137.54	0	3628.33
MW-67	01/19/96	3765.87	138.02	0	3627.85
MW-67	04/17/96	3765.87	138.13	0	3627.74
MW-67	07/16/96	3765.87	138.14	0	3627.73
MW-67	10/14/96	3765.87	137.53	0	3628.34
MW-67	02/04/97	3765.87	138.37	0	3627.50
MW-67	04/28/97	3765.87	138.64	0	3627.23
MW-67	07/15/97	3765.87	138.95	0	3626.92
MW-67	10/01/97	3765.87	140.50	0.8	3625.95
MW-67	10/09/97	3765.87	144.05	4.35	3624.99
MW-67	10/13/97	3765.87	139.98	0.67	3626.37
MW-67	10/21/97	3765.87	140.55	0.75	3625.86
MW-67	10/29/97	3765.87	140.54	0.83	3625.93
MW-67	11/04/97	3765.87	140.43	0.75	3625.98
MW-67	11/12/97	3765.87	140.52	0.87	3625.98
MW-67	11/19/97	3765.87	140.55	0.77	3625.88
MW-67	11/24/97	3765.87	140.70	0.95	3625.86
MW-67	12/10/97	3765.87	140.57	0.85	3625.92
MW-67	01/06/98	3765.87	139.76	0	3626.11
MW-67	01/15/98	3765.87	139.75	0	3626.12
MW-67	01/20/98	3765.87	141.43	0.9	3625.09
MW-67	01/28/98	3765.87	140.14	0.77	3626.29
MW-67	02/03/98	3765.87	141.33	0.73	3625.07
MW-67	02/10/98	3765.87	141.32	0	3624.55
MW-67	02/17/98	3765.87	141.81	0.44	3624.38
MW-67	02/26/98	3765.87	141.12	0	3624.75
MW-67	04/27/98	3765.87	141.13	0.65	3625.21
MW-67	05/28/98	3765.87	141.43	0	3624.44
MW-67	06/15/98	3765.87	141.49	0	3624.38
MW-67	10/10/98	3765.87	140.50	0.05	3625.40
MW-67	04/19/99	3765.87	140.72	0	3625.15
MW-67	01/05/00	3765.87	140.77	0.47	3625.44
MW-67	04/26/00	3765.87	141.72	0	3624.15
MW-67	09/27/00	3765.87	141.51	0	3624.36
MW-67	04/16/01	3765.87	141.54	0	3624.33
MW-67	10/29/01	3765.87	141.49	0	3624.38
MW-67	04/15/02	3765.87	141.67	0	3624.20
MW-67	10/14/02	3765.87	140.89	0	3624.98
MW-67	04/15/03	3765.87	141.34	0	3624.53
MW-67	10/14/03	3765.87	142.41	0	3623.46
MW-67	04/05/04	3765.87	142.48	0	3623.39
MW-67	10/05/04	3765.87	137.90	0	3627.97
MW-67	04/19/05	3765.87	141.24	0	3624.63
MW-67	10/24/05	3765.87	141.42	0	3624.45
MW-68	09/18/91	3797.83	166.58	0	3631.25
MW-68	10/22/91	3797.83	169.37	0	3628.46
MW-68	11/15/91	3797.83	167.30	0	3630.53
MW-68	10/14/97	3797.83	171.76	0	3626.07

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 28 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-68	01/27/98	3797.83	173.22	1.99	3626.06
MW-68	06/17/98	3797.83	172.90	0.85	3625.55
MW-68	01/05/00	3797.83	173.17	0	3624.66
MW-68	04/26/00	3797.83	173.30	0.18	3624.66
MW-68	09/27/00	3797.83	173.72	0	3624.11
MW-68	04/16/01	3797.83	175.00	1.23	3623.73
MW-68	10/29/01	3797.83	174.42	0.56	3623.82
MW-68	04/15/02	3797.83	174.69	0.38	3623.42
MW-68	10/14/02	3797.83	172.68	0	3625.15
MW-68	04/15/03	3797.83	174.11	0.12	3623.81
MW-68	10/14/03	3797.83	174.71	0.03	3623.14
MW-68	04/05/04	3797.83	175.00	0	3622.83
MW-68	10/05/04	3797.83	171.70	0	3626.13
MW-68	04/19/05	3797.83	173.44	0	3624.39
MW-68	10/24/05	3797.83	172.97	0	3624.86
MW-70	09/18/91	3822.57	191.69	0	3630.99
MW-70	10/22/91	3822.57	191.68	0	3630.89
MW-70	11/15/91	3822.57	192.20	0	3630.37
MW-70	03/01/92	3822.57	192.74	0	3629.83
MW-70	04/01/92	3822.57	192.62	0	3629.95
MW-70	05/01/92	3822.57	189.97	0	3632.60
MW-70	06/01/92	3822.57	188.42	0	3634.15
MW-70	07/01/92	3822.57	188.87	0	3633.70
MW-70	08/01/92	3822.57	189.54	0	3633.03
MW-70	09/01/92	3822.57	190.02	0	3632.55
MW-70	10/01/92	3822.57	190.48	0	3632.09
MW-70	11/01/92	3822.57	190.86	0	3631.71
MW-70	12/01/92	3822.57	191.17	0	3631.40
MW-70	01/01/93	3822.57	191.39	0	3631.18
MW-70	02/01/93	3822.57	191.54	0	3631.03
MW-70	03/01/93	3822.57	191.77	0	3630.80
MW-70	04/01/93	3822.57	191.80	0	3630.77
MW-70	05/01/93	3822.57	192.09	0	3630.48
MW-70	06/01/93	3822.57	192.18	0	3630.39
MW-70	07/01/93	3822.57	192.32	0	3630.25
MW-70	08/01/93	3822.57	192.30	0	3630.27
MW-70	09/01/93	3822.57	192.53	0	3630.04
MW-70	10/01/93	3822.57	192.65	0	3629.92
MW-70	11/01/93	3822.57	192.91	0	3629.66
MW-70	12/01/93	3822.57	192.96	0	3629.61
MW-70	01/01/94	3822.57	192.99	0	3629.58
MW-70	02/01/94	3822.57	194.02	0	3628.55
MW-70	03/01/94	3822.57	194.00	0	3628.57
MW-70	04/01/94	3822.57	193.19	0	3629.38
MW-70	05/01/94	3822.57	193.86	0	3628.71
MW-70	07/01/94	3822.57	193.59	0	3628.98
MW-70	08/01/94	3822.57	193.09	0	3629.48
MW-70	09/01/94	3822.57	193.17	0	3629.40
MW-70	10/01/94	3822.57	193.38	0	3629.19
MW-70	12/01/94	3822.57	194.58	0	3627.99
MW-70	01/01/95	3822.57	192.83	0	3629.74
MW-70	04/01/95	3822.57	194.11	0	3628.46
MW-70	07/01/95	3822.57	194.19	0	3628.38
MW-70	10/01/95	3822.57	194.19	0	3628.38
MW-70	01/16/96	3822.57	194.68	0	3627.89
MW-70	04/17/96	3822.57	194.94	0	3627.63
MW-70	07/15/96	3822.57	194.70	0	3627.87
MW-70	10/13/96	3822.57	193.98	0	3628.59
MW-70	02/03/97	3822.57	194.47	0	3628.10
MW-70	04/28/97	3822.57	195.01	0	3627.56
MW-70	07/14/97	3822.57	195.44	0	3627.13
MW-70	10/01/97	3822.57	196.20	0	3626.37
MW-70	10/13/97	3822.57	196.05	0	3626.52
MW-70	10/29/97	3822.57	196.24	0.01	3626.33
MW-70	11/04/97	3822.57	196.35	0	3626.22
MW-70	11/12/97	3822.57	196.34	0	3626.23
MW-70	11/19/97	3822.57	196.36	0.01	3626.21
MW-70	11/24/97	3822.57	196.36	0	3626.21
MW-70	12/10/97	3822.57	196.47	0	3626.10
MW-70	01/27/98	3822.57	196.22	0	3626.35
MW-70	02/25/98	3822.57	196.45	0	3626.12
MW-70	04/27/98	3822.57	196.48	0	3626.09
MW-70	05/28/98	3822.57	196.91	0	3625.66
MW-70	06/15/98	3822.57	196.74	0	3625.83
MW-70	10/09/98	3822.57	197.27	0	3625.30
MW-70	01/27/99	3822.57	199.24	0	3623.33
MW-70	04/19/99	3822.57	197.40	0	3625.17
MW-70	01/05/00	3822.57	197.73	0	3624.84
MW-70	04/26/00	3822.57	197.71	0	3624.86
MW-70	09/27/00	3822.57	198.02	0	3624.55
MW-70	04/16/01	3822.57	198.34	0	3624.23
MW-70	10/29/01	3822.57	198.30	0	3624.27
MW-70	04/15/02	3822.57	198.85	0	3623.72
MW-70	10/14/02	3822.57	196.95	0	3625.62
MW-70	04/15/03	3822.57	198.12	0	3624.45
MW-70	10/14/03	3822.57	199.14	0	3623.43
MW-70	04/05/04	3822.57	199.41	0	3623.16
MW-70	10/05/04	3822.57	197.30	0	3625.27
MW-70	04/19/05	3822.57	197.70	0	3624.87

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 29 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-70	10/24/05	3822.57	197.24	0	3625.33
MW-71	10/01/93	3778.05	149.88	0	3628.17
MW-71	11/01/93	3778.05	149.90	0	3628.15
MW-71	12/01/93	3778.05	149.93	0	3628.12
MW-71	01/01/94	3778.05	149.92	0	3628.13
MW-71	02/01/94	3778.05	150.94	0	3627.11
MW-71	03/01/94	3778.05	150.90	0	3627.15
MW-71	04/01/94	3778.05	149.98	0	3628.07
MW-71	05/01/94	3778.05	150.64	0	3627.41
MW-71	07/01/94	3778.05	150.37	0	3627.68
MW-71	08/01/94	3778.05	149.35	0	3628.70
MW-71	09/01/94	3778.05	150.19	0	3627.86
MW-71	10/01/94	3778.05	150.41	0	3627.64
MW-71	12/01/94	3778.05	151.41	0	3626.64
MW-71	01/01/95	3778.05	150.65	0	3627.40
MW-71	04/01/95	3778.05	150.88	0	3627.17
MW-71	07/01/95	3778.05	150.84	0	3627.21
MW-71	10/01/95	3778.05	151.15	0	3626.90
MW-71	01/16/96	3778.05	151.36	0	3626.69
MW-71	04/17/96	3778.05	151.74	0	3626.31
MW-71	07/16/96	3778.05	151.69	0	3626.36
MW-71	10/13/96	3778.05	149.72	0	3628.33
MW-71	02/04/97	3778.05	152.39	0	3625.66
MW-71	04/28/97	3778.05	152.52	0	3625.53
MW-71	07/14/97	3778.05	152.86	0	3625.19
MW-71	10/01/97	3778.05	153.40	0	3624.65
MW-71	10/09/97	3778.05	153.41	0.01	3624.64
MW-71	10/13/97	3778.05	153.39	0	3624.66
MW-71	01/28/98	3778.05	153.47	0	3624.58
MW-71	04/27/98	3778.05	153.91	0	3624.14
MW-71	05/28/98	3778.05	153.86	0	3624.19
MW-71	06/15/98	3778.05	153.88	0	3624.17
MW-71	10/10/98	3778.05	154.34	0	3623.71
MW-71	01/27/99	3778.05	154.50	0	3623.55
MW-71	04/19/99	3778.05	154.56	0	3623.49
MW-71	01/05/00	3778.05	154.66	0	3623.39
MW-71	04/26/00	3778.05	155.04	0	3623.01
MW-71	09/27/00	3778.05	155.15	0	3622.90
MW-71	04/16/01	3778.05	155.01	0	3623.04
MW-71	10/29/01	3778.05	155.26	0	3622.79
MW-71	04/15/02	3778.05	155.50	0	3622.55
MW-71	10/14/02	3778.05	154.39	0	3623.66
MW-71	04/15/03	3778.05	155.02	0	3623.03
MW-71	10/14/03	3778.05	155.65	0	3622.20
MW-71	04/05/04	3778.05	155.94	0	3622.11
MW-71	10/05/04	3778.05	152.59	0	3625.46
MW-71	04/19/05	3778.05	154.88	0	3623.17
MW-71	10/24/05	3778.05	154.60	0	3623.45
MW-72	10/01/93	3819.32	190.55	0.5	3629.14
MW-72	11/01/93	3819.32	189.91	0	3629.41
MW-72	12/01/93	3819.32	196.73	3.72	3625.30
MW-72	01/16/96	3819.32	216.76	16.5	3614.60
MW-72	04/17/96	3819.32	214.60	16.35	3616.65
MW-72	07/16/96	3819.32	201.95	11.85	3626.02
MW-72	10/14/96	3819.32	211.05	5.84	3612.53
MW-72	02/04/97	3819.32	213.65	1.22	3606.56
MW-72	04/29/97	3819.32	197.65	2.72	3623.65
MW-72	07/15/97	3819.32	212.06	6.71	3612.15
MW-72	10/09/97	3819.32	228.35	0	3590.97
MW-72	10/14/97	3819.32	229.54	0	3589.78
MW-72	10/29/97	3819.32	229.55	0	3589.77
MW-72	11/04/97	3819.32	227.75	0	3591.57
MW-72	11/12/97	3819.32	227.83	0	3591.49
MW-72	11/19/97	3819.32	206.30	0.26	3613.20
MW-72	11/24/97	3819.32	227.73	0	3591.59
MW-72	12/10/97	3819.32	228.74	0	3590.58
MW-72	01/06/98	3819.32	228.54	0.02	3590.79
MW-72	01/15/98	3819.32	228.50	0	3590.82
MW-72	01/20/98	3819.32	228.92	0	3590.40
MW-72	02/03/98	3819.32	220.23	0	3599.09
MW-72	02/10/98	3819.32	224.93	0	3594.39
MW-72	02/17/98	3819.32	224.27	0	3595.05
MW-72	02/25/98	3819.32	224.67	0	3594.65
MW-72	04/27/98	3819.32	216.73	0	3602.59
MW-72	05/28/98	3819.32	229.14	0	3590.18
MW-72	06/16/98	3819.32	222.68	0	3596.64
MW-72	10/11/98	3819.32	196.22	0	3623.10
MW-72	01/27/99	3819.32	229.90	0.01	3589.43
MW-72	04/19/99	3819.32	229.80	0	3589.52
MW-72	01/05/00	3819.32	209.27	0	3610.05
MW-72	04/26/00	3819.32	196.20	0	3623.12
MW-72	09/27/00	3819.32	211.13	0	3608.19
MW-72	04/16/01	3819.32	211.42	0	3607.90
MW-72	10/29/01	3819.32	216.42	0	3602.90
MW-72	04/15/02	3819.32	197.90	0	3621.42
MW-72	10/14/02	3819.32	197.35	0.68	3622.47
MW-72	02/13/03	3819.32	198.20	0.32	3621.35
MW-72	03/10/03	3819.32	198.22	0.7	3621.61

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 30 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-72	04/15/03	3819.32	198.40	0.60	3621.36
MW-72	05/15/03	3819.32	198.37	0.39	3621.23
MW-72	06/24/03	3819.32	197.15	0	3622.17
MW-72	07/15/03	3819.32	198.24	0.25	3621.26
MW-72	08/08/03	3819.32	198.13	0	3621.19
MW-72	09/12/03	3819.32	198.35	0	3620.97
MW-72	10/14/03	3819.32	198.42	0.1	3620.97
MW-72	11/07/03	3819.32	198.61	0.01	3620.72
MW-72	12/04/03	3819.32	198.60	0	3620.72
MW-72	01/08/04	3819.32	198.60	0	3620.72
MW-72	02/12/04	3819.32	198.71	0	3620.61
MW-72	03/25/04	3819.32	198.71	0	3620.61
MW-72	04/05/04	3819.32	198.53	0	3620.79
MW-72	05/27/04	3819.32	197.60	0	3621.72
MW-72	06/17/04	3819.32	198.07	0	3621.25
MW-72	07/15/04	3819.32	198.31	0	3621.01
MW-72	08/19/04	3819.32	197.11	0	3622.21
MW-72	09/09/04	3819.32	198.71	0	3620.61
MW-72	10/05/04	3819.32	194.85	0	3624.47
MW-72	11/19/04	3819.32	195.19	0	3624.13
MW-72	12/07/04	3819.32	196.02	0	3623.30
MW-72	01/11/05	3819.32	196.44	0	3622.88
MW-72	02/08/05	3819.32	196.65	0	3622.67
MW-72	03/08/05	3819.32	195.91	0	3623.41
MW-72	04/19/05	3819.32	197.18	0	3622.14
MW-72	05/09/05	3819.32	197.16	0	3622.16
MW-72	06/21/05	3819.32	197.38	0	3621.94
MW-72	07/19/05	3819.32	197.26	0	3622.06
MW-72	08/08/05	3819.32	197.28	0	3622.04
MW-72	09/20/05	3819.32	196.33	0	3622.99
MW-72	10/24/05	3819.32	196.75	0	3622.57
MW-73					
MW-73	12/01/94	3820.09	202.90	6.12	3621.65
MW-73	01/01/95	3820.09	195.75	1.68	3625.57
MW-73	04/01/95	3820.09	207.07	8.52	3619.23
MW-73	07/01/95	3820.09	204.48	6.72	3620.51
MW-73	10/01/95	3820.09	192.35	0	3627.74
MW-73	01/16/96	3820.09	192.66	0	3627.43
MW-73	04/17/96	3820.09	204.10	1.86	3617.34
MW-73	07/16/96	3820.09	193.91	1.61	3627.35
MW-73	10/14/96	3820.09	191.42	0.01	3628.67
MW-73	02/04/97	3820.09	193.00	0	3627.09
MW-73	04/29/97	3820.09	194.09	0.68	3626.49
MW-73	07/15/97	3820.09	193.70	0	3626.39
MW-73	09/30/97	3820.09	195.00	0.9	3625.74
MW-73	10/09/97	3820.09	194.92	0.72	3625.69
MW-73	10/14/97	3820.09	195.15	0	3624.94
MW-73	01/28/98	3820.09	194.50	0	3625.59
MW-73	04/27/98	3820.09	194.40	0	3625.69
MW-73	05/28/98	3820.09	194.66	0	3625.43
MW-73	06/16/98	3820.09	194.67	0	3625.42
MW-73	10/10/98	3820.09	194.47	0	3625.62
MW-73	01/27/99	3820.09	195.14	0	3624.95
MW-73	04/19/99	3820.09	195.80	0	3624.29
MW-73	01/05/00	3820.09	195.89	0	3624.20
MW-73	04/26/00	3820.09	195.79	0	3624.30
MW-73	09/27/00	3820.09	196.13	0	3623.96
MW-73	04/16/01	3820.09	196.15	0	3623.94
MW-73	10/29/01	3820.09	196.45	0	3623.64
MW-73	04/15/02	3820.09	196.24	0	3623.85
MW-73	10/14/02	3820.09	195.09	0	3625.00
MW-73	04/15/03	3820.09	195.70	0	3624.39
MW-73	10/14/03	3820.09	196.86	0	3623.23
MW-73	04/05/04	3820.09	196.95	0	3623.14
MW-73	10/05/04	3820.09	193.14	0	3626.95
MW-73	04/19/05	3820.09	195.54	0	3624.55
MW-74					
MW-74	12/01/94	3820.82	192.31	0	3628.51
MW-74	01/01/95	3820.82	193.88	1.44	3627.99
MW-74	04/01/95	3820.82	189.31	0.48	3631.86
MW-74	07/01/95	3820.82	188.07	0	3632.75
MW-74	01/16/96	3820.82	188.65	0	3632.17
MW-74	04/17/96	3820.82	187.30	0	3633.52
MW-74	07/16/96	3820.82	186.52	0	3634.30
MW-74	10/14/96	3820.82	178.77	0	3642.05
MW-74	02/04/97	3820.82	182.50	0	3638.32
MW-74	04/29/97	3820.82	183.92	0	3636.90
MW-74	07/15/97	3820.82	183.74	0	3637.08
MW-74	09/30/97	3820.82	185.30	0	3635.52
MW-74	10/09/97	3820.82	185.25	0	3635.57
MW-74	10/14/97	3820.82	185.77	0	3635.05
MW-74	01/29/98	3820.82	184.15	0	3636.67
MW-74	04/27/98	3820.82	184.44	0	3636.38
MW-74	05/28/98	3820.82	134.12	0	3686.70
MW-74	06/16/98	3820.82	187.47	0	3633.35
MW-74	10/10/98	3820.82	189.19	0	3631.63
MW-74	01/27/99	3820.82	186.50	0	3634.32
MW-74	04/19/99	3820.82	133.90	0	3686.92
MW-74	01/05/00	3820.82	189.39	0	3631.43
MW-74	04/26/00	3820.82	196.45	0	3624.37

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 31 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-74	09/27/00	3820.82	197.29	0	3623.53
MW-74	04/16/01	3820.82	197.57	0	3623.25
MW-74	10/29/01	3820.82	196.91	0	3623.91
MW-74	04/15/02	3820.82	197.27	0	3623.55
MW-74	10/14/02	3820.82	196.32	0.25	3624.68
MW-74	04/15/03	3820.82	196.72	0	3624.10
MW-74	10/14/03	3820.82	197.60	0	3623.22
MW-74	04/05/04	3820.82	197.70	0	3623.12
MW-74	10/05/04	3820.82	194.04	0	3626.78
MW-74	04/19/05	3820.82	196.30	0	3624.52
MW-74	10/24/05	3820.82	195.91	0	3624.91
MW-75					
MW-75	12/01/94	3816.12	228.96	23.04	3603.98
MW-75	01/01/95	3816.12	209.93	12.72	3615.47
MW-75	04/01/95	3816.12	251.13	35.4	3590.83
MW-75	07/01/95	3816.12	295.32	59.52	3564.24
MW-75	01/18/96	3816.12	197.10	3.1	3621.28
MW-75	04/17/96	3816.12	189.17	0.04	3626.97
MW-75	07/16/96	3816.12	190.40	1.76	3627.00
MW-75	10/14/96	3816.12	190.01	1.79	3627.41
MW-75	02/04/97	3816.12	193.45	0	3622.67
MW-75	04/29/97	3816.12	200.64	3.34	3617.91
MW-75	07/15/97	3816.12	200.95	6.17	3619.67
MW-75	10/09/97	3816.12	200.87	4.59	3618.60
MW-75	10/14/97	3816.12	200.86	2.76	3617.27
MW-75	10/29/97	3816.12	200.62	0.54	3615.89
MW-75	11/04/97	3816.12	200.76	3.52	3617.92
MW-75	11/12/97	3816.12	196.10	0	3620.02
MW-75	11/19/97	3816.12	199.10	2.75	3619.02
MW-75	11/24/97	3816.12	200.42	5.57	3619.76
MW-75	12/10/97	3816.12	195.43	0	3620.69
MW-75	01/06/98	3816.12	214.82	0	3601.30
MW-75	01/15/98	3816.12	214.80	0	3601.32
MW-75	01/20/98	3816.12	200.95	0	3615.17
MW-75	02/03/98	3816.12	201.20	1.9	3616.30
MW-75	02/10/98	3816.12	205.10	4.5	3614.30
MW-75	02/17/98	3816.12	200.77	0.95	3616.04
MW-75	02/25/98	3816.12	203.15	2.15	3614.53
MW-75	04/27/98	3816.12	200.72	8.77	3621.80
MW-75	05/28/98	3816.12	201.72	2.7	3616.37
MW-75	06/16/98	3816.12	205.82	0	3610.30
MW-75	10/11/98	3816.12	192.53	3.8	3626.36
MW-75	01/27/99	3816.14	201.89	0.26	3614.44
MW-75	04/19/99	3816.14	207.70	0	3608.44
MW-75	01/05/00	3816.14	200.59	4.47	3618.81
MW-75	04/26/00	3816.12	194.98	0	3621.14
MW-75	09/27/00	3816.12	195.18	0	3620.94
MW-75	04/16/01	3816.12	204.02	0	3612.10
MW-75	10/29/01	3816.12	219.07	0	3597.05
MW-75	04/15/02	3816.12	195.82	0	3620.30
MW-75	10/14/02	3816.12	194.70	0	3621.42
MW-75	04/15/03	3816.12	195.68	0	3620.44
MW-75	10/14/03	3816.12	196.15	0	3619.97
MW-75	04/05/04	3816.12	196.26	0	3619.86
MW-75	10/05/04	3816.12	192.58	0	3623.54
MW-75	04/19/05	3816.12	194.95	0	3621.17
MW-75	10/24/05	3816.12	194.63	0	3621.49
MW-76					
MW-76	12/01/94	3796.01	167.06	0	3628.85
MW-76	01/01/95	3796.01	169.05	2.04	3628.45
MW-76	07/01/95	3796.01	180.14	6.84	3620.86
MW-76	10/01/95	3796.01	168.22	0.41	3628.09
MW-76	01/16/96	3796.01	168.85	0.95	3627.85
MW-76	04/17/96	3796.01	169.59	0.99	3627.14
MW-76	07/16/96	3796.01	167.04	0	3628.97
MW-76	10/14/96	3796.01	171.86	0	3624.15
MW-76	02/04/97	3796.01	169.32	0	3626.69
MW-76	04/29/97	3796.01	174.30	0	3621.71
MW-76	07/15/97	3796.01	175.10	0	3620.91
MW-76	09/30/97	3796.01	176.20	0	3619.81
MW-76	10/14/97	3796.01	173.57	0	3622.44
MW-76	01/28/98	3796.01	173.10	0	3622.91
MW-76	04/27/98	3796.01	175.25	0	3620.76
MW-76	05/28/98	3796.01	173.68	0	3622.33
MW-76	06/16/98	3796.01	175.25	0	3620.76
MW-76	01/27/99	3796.01	177.03	1	3619.71
MW-76	04/26/00	3796.01	NR	--	--
MW-76	09/27/00	3796.01	NR	--	--
MW-76	04/16/01	3796.01	NR	--	--
MW-76	10/29/01	3796.01	NR	--	--
MW-76	04/15/02	3796.01	NR	--	--
MW-76	10/14/02	3796.01	NR	--	--
MW-76	04/15/03	3796.01	NG	--	--
MW-76	10/14/03	3796.01	--	--	--
MW-76	04/05/04	3796.01	NG	--	--
MW-76	10/05/04	3796.01	NG	--	--
MW-76	04/19/05	3796.01	NG	--	--
MW-76	10/24/05	3796.01	NG	--	--
MW-81					
MW-81	10/01/95	3817.03	195.77	2.74	3623.26

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 32 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-81	01/16/96	3817.03	199.04	4.29	3621.12
MW-81	04/17/96	3817.03	204.35	9.95	3619.94
MW-81	07/16/96	3817.03	204.26	9.37	3619.61
MW-81	10/13/96	3817.03	202.11	8.49	3621.11
MW-81	02/04/97	3817.03	197.25	2.11	3621.32
MW-81	04/28/97	3817.03	204.40	9.15	3619.30
MW-81	07/14/97	3817.03	196.19	1.45	3621.89
MW-81	10/09/97	3817.03	200.02	0.02	3617.02
MW-81	10/14/97	3817.03	200.96	0.06	3616.11
MW-81	10/29/97	3817.03	202.44	1.44	3615.64
MW-81	11/04/97	3817.03	200.92	0	3616.11
MW-81	11/12/97	3817.03	200.95	0.25	3616.26
MW-81	11/19/97	3817.03	200.94	0.01	3616.09
MW-81	11/24/97	3817.03	200.81	0	3616.22
MW-81	12/10/97	3817.03	200.85	0	3616.18
MW-81	01/06/98	3817.03	199.35	0	3617.68
MW-81	01/15/98	3817.03	199.30	0	3617.73
MW-81	01/20/98	3817.03	200.89	0.79	3616.71
MW-81	01/27/98	3817.03	200.14	0.89	3617.53
MW-81	02/03/98	3817.03	200.88	0.58	3616.57
MW-81	02/10/98	3817.03	206.74	1.64	3611.48
MW-81	02/17/98	3817.03	218.70	12.08	3607.14
MW-81	02/25/98	3817.03	217.41	11.41	3607.94
MW-81	04/27/98	3817.03	197.05	0	3619.98
MW-81	05/28/98	3817.03	192.28	0	3624.75
MW-81	06/15/98	3817.03	197.58	0	3619.45
MW-81	10/11/98	3817.03	193.23	0	3623.80
MW-81	01/27/99	3817.03	200.12	0	3616.91
MW-81	04/19/99	3817.03	200.84	0	3616.19
MW-81	01/05/00	3817.03	199.38	0	3617.65
MW-81	04/26/00	3817.03	201.35	0	3615.68
MW-81	09/27/00	3817.03	202.99	0	3614.04
MW-81	04/16/01	3817.03	201.94	0	3615.09
MW-81	10/29/01	3817.03	204.69	0	3609.04
MW-81	04/15/02	3817.03	193.94	0	3623.09
MW-81	10/14/02	3817.03	192.80	0	3624.23
MW-81	04/15/03	3817.03	193.41	0	3623.62
MW-81	10/14/03	3817.03	194.42	0	3622.61
MW-81	04/05/04	3817.03	194.58	0	3622.45
MW-81	10/05/04	3817.03	192.67	2.96	3626.52
MW-81	04/19/05	3817.03	193.75	0	3623.28
MW-81	10/24/05	3817.03	192.46	0	3624.57
MW-82	10/01/95	3825.07	196.65	0	3628.42
MW-82	01/18/96	3825.07	209.62	0	3615.45
MW-82	04/17/96	3825.07	209.12	0	3615.95
MW-82	07/16/96	3825.07	222.80	0	3602.27
MW-82	10/14/96	3825.07	196.33	0.02	3628.75
MW-82	02/04/97	3825.07	223.66	0	3601.41
MW-82	04/28/97	3825.07	249.21	0	3575.86
MW-82	07/15/97	3825.07	248.90	0	3576.17
MW-82	09/30/97	3825.07	249.20	0	3575.87
MW-82	10/09/97	3825.07	197.07	0	3628.00
MW-82	10/14/97	3825.07	229.01	0	3596.06
MW-82	10/29/97	3825.07	200.15	0	3624.92
MW-82	11/04/97	3825.07	209.26	0	3615.81
MW-82	11/12/97	3825.07	211.36	2.62	3615.62
MW-82	11/19/97	3825.07	213.86	5.28	3615.06
MW-82	11/24/97	3825.07	213.96	0	3611.11
MW-82	12/10/97	3825.07	212.95	0	3612.12
MW-82	02/25/98	3825.07	245.20	0	3579.87
MW-82	04/27/98	3825.07	235.62	0	3589.45
MW-82	05/28/98	3825.07	210.13	0	3614.94
MW-82	06/16/98	3825.07	249.20	0	3575.87
MW-82	10/11/98	3825.07	199.81	0	3625.26
MW-82	01/27/99	3825.07	250.24	0	3574.83
MW-82	04/19/99	3825.07	199.99	0	3625.08
MW-82	01/05/00	3825.07	199.67	0	3625.40
MW-82	04/26/00	3825.07	190.95	0	3634.12
MW-82	09/27/00	3825.07	202.05	1.63	3624.21
MW-82	04/16/01	3825.07	200.40	0	3624.67
MW-82	10/29/01	3825.07	201.71	0	3623.36
MW-82	04/15/02	3825.07	201.38	0	3623.69
MW-82	10/14/02	3825.07	201.15	1.68	3625.15
MW-82	04/15/03	3825.07	201.71	1.65	3624.56
MW-82	10/14/03	3825.07	201.97	0.67	3623.59
MW-82	04/05/04	3825.07	201.56	0	3623.51
MW-82	10/05/04	3825.07	197.37	0	3627.70
MW-82	04/19/05	3825.07	200.30	0	3624.77
MW-82	10/24/05	3825.07	200.07	0.01	3625.01
MW-83	10/01/95	3794.12	169.47	1.67	3625.87
MW-83	01/18/96	3794.12	189.30	16.8	3617.08
MW-83	04/17/96	3794.12	179.40	0.2	3614.86
MW-83	07/16/96	3794.12	176.36	0.56	3618.16
MW-83	10/14/96	3794.12	176.25	0.18	3618.00
MW-83	02/04/97	3794.12	178.77	0	3615.35
MW-83	04/28/97	3794.12	179.41	0	3614.71
MW-83	07/15/97	3794.12	168.18	1.62	3627.12
MW-83	09/30/97	3794.12	202.70	0	3591.42

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 33 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-83	10/09/97	3794.12	202.70	0	3591.42
MW-83	10/14/97	3794.12	200.25	0	3593.87
MW-83	10/21/97	3794.12	202.55	0	3591.57
MW-83	10/29/97	3794.12	200.20	0	3593.92
MW-83	11/04/97	3794.12	200.17	0	3593.95
MW-83	11/12/97	3794.12	200.20	0	3593.92
MW-83	11/19/97	3794.12	194.44	0.58	3600.10
MW-83	11/24/97	3794.12	193.52	0	3600.60
MW-83	12/10/97	3794.12	187.51	0	3606.61
MW-83	01/28/98	3794.12	170.53	0	3623.59
MW-83	02/25/98	3794.12	182.22	4.87	3615.45
MW-83	04/27/98	3794.12	188.78	0	3605.34
MW-83	05/28/98	3794.12	170.14	0	3623.98
MW-83	06/16/98	3794.12	184.32	9.51	3616.74
MW-83	10/11/98	3794.12	169.96	0	3624.16
MW-83	01/27/99	3794.12	189.10	0	3605.02
MW-83	04/19/99	3794.12	124.09	0	3670.03
MW-83	01/05/00	3794.12	191.08	0	3603.04
MW-83	04/26/00	3794.12	170.53	0	3623.59
MW-83	09/27/00	3794.12	196.19	0	3597.93
MW-83	04/16/01	3794.12	195.97	0	3598.15
MW-83	10/29/01	3794.12	179.35	0	3614.77
MW-83	04/15/02	3794.12	171.21	0	3622.91
MW-83	10/14/02	3794.12	170.19	0	3623.93
MW-83	04/05/04	3794.12	170.33	0	3623.79
MW-83	10/05/04	3794.12	166.01	0.06	3628.15
MW-83	04/19/05	3794.12	169.15	0	3624.97
MW-83	10/24/05	3794.12	168.93	0.01	3625.20
MW-84	07/16/96	3759.60	131.50	0.39	3628.38
MW-84	10/14/96	3759.60	131.79	1.05	3628.57
MW-84	02/04/97	3759.60	132.84	1.29	3627.70
MW-84	04/29/97	3759.60	133.64	1.79	3627.26
MW-84	07/15/97	3759.60	133.89	1.9	3627.09
MW-84	09/30/97	3759.60	134.90	2.3	3626.37
MW-84	10/14/97	3759.60	136.64	3.94	3625.83
MW-84	10/21/97	3759.60	137.06	4.32	3625.69
MW-84	10/29/97	3759.60	133.35	0.72	3626.77
MW-84	11/04/97	3759.60	133.72	0	3626.88
MW-84	11/12/97	3759.60	132.70	0.05	3626.93
MW-84	11/19/97	3759.60	136.38	3.66	3625.89
MW-84	11/24/97	3759.60	136.00	3.23	3625.95
MW-84	12/10/97	3759.60	134.60	1.65	3626.20
MW-84	01/06/98	3759.60	133.48	0.08	3626.17
MW-84	01/15/98	3759.60	133.30	0	3626.30
MW-84	01/20/98	3759.60	147.14	6.91	3617.50
MW-84	01/28/98	3759.60	133.96	0.46	3625.97
MW-84	02/03/98	3759.60	133.89	0.13	3625.80
MW-84	02/10/98	3759.60	133.70	0.01	3625.90
MW-84	02/17/98	3759.60	139.13	2.86	3622.55
MW-84	02/25/98	3759.60	134.69	0.23	3625.07
MW-84	04/27/98	3759.60	135.34	0.89	3624.90
MW-84	05/28/98	3759.60	134.40	0	3625.20
MW-84	06/16/98	3759.60	134.94	0.4	3624.95
MW-84	10/11/98	3759.60	134.10	0	3625.50
MW-84	01/27/99	3759.60	135.21	0	3624.39
MW-84	04/19/99	3759.60	136.05	0.15	3623.66
MW-84	01/05/00	3759.60	137.31	0	3622.29
MW-84	04/26/00	3759.60	137.18	0	3622.42
MW-84	09/27/00	3759.60	137.24	0	3622.36
MW-84	04/16/01	3759.60	139.05	2.04	3622.04
MW-84	10/29/01	3759.60	137.91	0	3621.69
MW-84	04/15/02	3759.60	137.79	0.42	3622.12
MW-84	10/14/02	3759.60	136.14	0	3623.46
MW-84	04/03/04	3759.60	136.77	0	3622.83
MW-84	10/04/04	3759.60	137.81	0	3621.79
MW-84	04/05/04	3759.60	137.91	0	3621.69
MW-84	10/05/04	3759.60	133.05	0	3626.55
MW-84	04/19/05	3759.60	136.62	0	3622.98
MW-84	10/24/05	3759.60	136.20	0	3623.40
MW-85	07/16/96	3824.93	200.62	0.34	3626.96
MW-85	10/13/96	3824.93	201.10	4.86	3627.37
MW-85	02/04/97	3824.93	200.85	3.34	3626.51
MW-85	04/29/97	3824.93	199.89	1.19	3625.90
MW-85	07/14/97	3824.93	199.39	0	3625.54
MW-85	10/09/97	3824.93	200.15	0.15	3624.88
MW-85	10/14/97	3824.93	200.35	0	3624.58
MW-85	10/29/97	3824.93	199.31	0	3625.62
MW-85	11/04/97	3824.93	200.16	0.1	3624.84
MW-85	11/12/97	3824.93	200.00	0	3624.93
MW-85	11/19/97	3824.93	199.28	0.01	3625.65
MW-85	11/24/97	3824.93	200.07	0	3624.86
MW-85	12/10/97	3824.93	200.12	0	3624.81
MW-85	01/06/98	3824.93	201.37	0.6	3623.99
MW-85	01/15/98	3824.93	201.30	0.55	3624.03
MW-85	01/20/98	3824.93	207.80	4.23	3620.21
MW-85	01/27/98	3824.93	201.62	1.82	3624.63
MW-85	02/03/98	3824.93	201.68	0.79	3623.82
MW-85	02/10/98	3824.93	201.36	0.42	3623.87

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 34 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-85	02/17/98	3824.93	201.78	0.73	3623.68
MW-85	02/25/98	3824.93	200.95	0.2	3624.12
MW-85	04/27/98	3824.93	200.91	0.57	3624.43
MW-85	05/28/98	3824.93	203.78	1.02	3621.89
MW-85	06/16/98	3824.93	201.29	0.55	3624.04
MW-85	10/11/98	3824.93	201.32	1.27	3624.53
MW-85	01/27/99	3824.93	203.01	0.49	3622.28
MW-85	04/19/99	3824.93	202.58	0	3622.35
MW-85	01/05/00	3824.93	200.79	0	3624.14
MW-85	04/26/00	3824.93	213.40	10.73	3619.36
MW-85	09/27/00	3824.93	208.62	5.31	3620.19
MW-85	04/16/01	3824.93	202.99	0	3621.94
MW-85	10/29/01	3824.93	205.15	0	3623.23
MW-85	04/15/02	3824.93	204.28	2.67	3622.60
MW-85	10/14/02	3824.93	202.96	2.58	3623.85
MW-85	04/15/03	3824.93	201.28	0	3623.65
MW-85	10/14/03	3824.93	202.46	0	3622.47
MW-85	04/05/04	3824.93	202.71	0	3622.22
MW-85	10/05/04	3824.93	199.44	0	3625.49
MW-85	04/19/05	3824.93	201.36	0	3623.57
MW-85	10/24/05	3824.93	200.90	0	3624.03
MW-86					
MW-86	02/04/97	3823.99	193.32	0	3630.87
MW-86	02/04/97	3823.99	190.99	0	3633.00
MW-86	04/28/97	3823.99	197.37	0	3626.62
MW-86	07/14/97	3823.99	199.78	0	3624.21
MW-86	09/30/97	3823.99	188.10	0	3635.89
MW-86	10/09/97	3823.99	198.76	0	3625.23
MW-86	10/14/97	3823.99	196.27	0	3627.72
MW-86	01/27/98	3823.99	205.50	0	3618.49
MW-86	04/27/98	3823.99	203.08	0	3620.91
MW-86	05/28/98	3823.99	199.71	0	3624.28
MW-86	06/16/98	3823.99	203.43	0	3620.56
MW-86	10/11/98	3823.99	198.11	0	3625.88
MW-86	01/27/99	3823.99	222.50	0	3601.49
MW-86	04/19/99	3823.99	201.13	0	3622.86
MW-86	01/05/00	3823.99	211.12	0	3612.87
MW-86	04/26/00	3823.99	212.45	0	3611.54
MW-86	09/27/00	3823.99	202.83	0	3621.36
MW-86	04/16/01	3823.99	222.65	0	3601.34
MW-86	10/29/01	3823.99	216.58	0	3607.41
MW-86	04/15/02	3823.99	201.78	0	3622.21
MW-86	10/14/02	3823.99	0	-	-
MW-86	04/15/03	3823.99	200.08	0	3623.91
MW-86	10/14/03	3823.99	201.47	0	3622.52
MW-86	04/05/04	3823.99	201.56	0	3622.43
MW-86	10/05/04	3823.99	198.87	0	3625.12
MW-86	04/19/05	3823.99	200.25	0	3623.74
MW-86	10/24/05	3823.99	199.55	0	3624.44
MW-87					
MW-87	08/01/96	3740.50	113.11	0	3627.39
MW-87	10/14/96	3740.50	112.19	0	3628.31
MW-87	02/04/97	3740.50	112.94	0	3627.56
MW-87	04/28/97	3740.50	113.21	0	3627.29
MW-87	07/14/97	3740.50	113.83	0	3626.67
MW-87	10/09/97	3740.50	114.20	0	3626.30
MW-87	10/13/97	3740.50	114.43	0	3626.07
MW-87	10/29/97	3740.50	113.95	0	3626.55
MW-87	11/04/97	3740.50	114.30	0	3626.20
MW-87	11/12/97	3740.50	114.22	0	3626.28
MW-87	11/19/97	3740.50	114.35	0	3626.15
MW-87	11/24/97	3740.50	114.25	0	3626.25
MW-87	12/10/97	3740.50	114.32	0	3626.18
MW-87	01/28/98	3740.50	114.07	0	3626.43
MW-87	02/25/98	3740.50	114.35	0	3626.15
MW-87	04/27/98	3740.50	114.52	0	3625.98
MW-87	05/28/98	3740.50	105.30	0	3635.20
MW-87	06/15/98	3740.50	114.52	0	3625.98
MW-87	10/10/98	3740.50	114.96	0	3625.54
MW-87	01/27/99	3740.50	115.08	0	3625.42
MW-87	04/19/99	3740.50	115.15	0	3625.35
MW-87	01/05/00	3740.50	115.32	0	3625.18
MW-87	04/26/00	3740.50	115.50	0	3625.00
MW-87	09/27/00	3740.50	115.82	0	3624.68
MW-87	04/16/01	3740.50	115.77	0	3624.73
MW-87	10/29/01	3740.50	116.25	0	3624.25
MW-87	04/15/02	3740.50	116.27	0	3624.23
MW-87	10/14/02	3740.50	115.32	0	3625.18
MW-87	04/15/03	3740.50	118.01	0	3622.49
MW-87	10/14/03	3740.50	116.76	0	3623.74
MW-87	04/05/04	3740.50	116.88	0	3623.62
MW-87	10/05/04	3740.50	112.59	0	3627.91
MW-87	04/19/05	3740.50	115.73	0	3624.77
MW-87	10/24/05	3740.50	115.41	0	3625.09
MW-87A					
MW-87A	08/01/96	3739.53	124.91	0	3614.62
MW-87A	10/14/96	3739.53	104.75	0	3634.78
MW-87A	02/04/97	3739.53	103.69	0	3635.84
MW-87A	04/28/97	3739.53	104.43	0	3635.10
MW-87A	07/14/97	3739.53	104.92	0	3634.61

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 35 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-87A	10/13/97	3739.53	104.44	0	3635.09
MW-87A	01/28/98	3739.53	104.79	0	3634.74
MW-87A	04/27/98	3739.53	105.21	0	3634.32
MW-87A	05/28/98	3739.53	114.02	0	3625.51
MW-87A	06/15/98	3739.53	105.47	0	3634.06
MW-87A	10/10/98	3739.53	105.99	0	3633.54
MW-87A	01/27/99	3739.53	105.98	0	3633.55
MW-87A	04/19/99	3739.53	107.30	0	3632.23
MW-87A	01/05/00	3739.53	106.05	0	3633.48
MW-87A	04/26/00	3739.53	105.26	0	3634.27
MW-87A	09/27/00	3739.53	107.61	0	3631.92
MW-87A	04/16/01	3739.53	107.62	0	3631.91
MW-87A	10/29/01	3739.53	108.81	0	3630.72
MW-87A	04/15/02	3739.53	109.11	0	3630.42
MW-87A	10/14/02	3739.53	107.07	0	3632.46
MW-87A	04/15/03	3739.53	107.99	0	3631.54
MW-87A	10/14/03	3739.53	107.12	0	3632.41
MW-87A	04/05/04	3739.53	109.20	0	3630.33
MW-87A	10/05/04	3739.53	99.19	0	3640.34
MW-87A	04/19/05	3739.53	64.33	0	3675.20
MW-87A	10/24/05	3739.53	100.37	0	3639.16
MW-88					
MW-88	10/13/96	3789.70	163.59	0	3626.11
MW-88	10/13/96	3789.70	162.22	0	3627.48
MW-88	02/04/97	3789.70	163.38	0	3626.32
MW-88	04/28/97	3789.70	163.54	0	3626.16
MW-88	07/14/97	3789.70	163.84	0	3625.86
MW-88	10/01/97	3789.70	164.40	0	3625.30
MW-88	10/09/97	3789.70	164.38	0	3625.32
MW-88	10/13/97	3789.70	164.34	0	3625.36
MW-88	01/27/98	3789.70	164.41	0	3625.29
MW-88	04/27/98	3789.70	164.84	0	3624.86
MW-88	05/28/98	3789.70	164.00	0	3625.70
MW-88	06/15/98	3789.70	164.87	0	3624.83
MW-88	10/10/98	3789.70	165.38	0	3624.32
MW-88	01/27/99	3789.70	165.49	0	3624.21
MW-88	04/19/99	3789.70	165.54	0	3624.16
MW-88	01/05/00	3789.70	165.62	0	3624.08
MW-88	04/26/00	3789.70	165.87	0	3623.83
MW-88	09/27/00	3789.70	166.25	0	3623.45
MW-88	04/16/01	3789.70	166.21	0	3623.49
MW-88	10/29/01	3789.70	166.49	0	3623.21
MW-88	04/15/02	3789.70	166.53	0	3623.17
MW-88	10/14/02	3789.70	165.52	0	3624.18
MW-88	04/15/03	3789.70	165.98	0	3623.72
MW-88	10/14/03	3789.70	166.89	0	3622.81
MW-88	04/05/04	3789.70	167.15	0	3622.55
MW-88	10/05/04	3789.70	163.52	0	3626.18
MW-88	04/19/05	3789.70	166.38	0	3623.32
MW-88	10/24/05	3789.70	165.67	0	3624.03
MW-89					
MW-89	10/13/96	3827.68	201.41	0	3626.27
MW-89	10/13/96	3827.68	199.95	0	3627.73
MW-89	02/04/97	3827.68	201.39	0	3626.29
MW-89	04/28/97	3827.68	201.67	0	3626.01
MW-89	07/14/97	3827.68	201.94	0	3625.74
MW-89	10/01/97	3827.68	202.80	0	3624.88
MW-89	10/09/97	3827.68	202.70	0	3624.98
MW-89	10/13/97	3827.68	202.70	0	3624.98
MW-89	01/27/98	3827.68	202.82	0	3624.86
MW-89	04/27/98	3827.68	203.04	0	3624.64
MW-89	05/28/98	3827.68	203.19	0	3624.49
MW-89	06/15/98	3827.68	203.27	0	3624.41
MW-89	10/10/98	3827.68	203.83	0	3623.85
MW-89	01/27/99	3827.68	204.12	0	3623.56
MW-89	04/19/99	3827.68	204.12	0	3623.56
MW-89	01/05/00	3827.68	204.47	0	3623.21
MW-89	04/26/00	3827.68	204.43	0	3623.25
MW-89	09/27/00	3827.68	204.70	0	3622.98
MW-89	04/16/01	3827.68	204.55	0	3623.13
MW-89	10/29/01	3827.68	204.88	0	3622.80
MW-89	04/15/02	3827.68	204.81	0	3622.87
MW-89	10/14/02	3827.68	203.53	0	3624.15
MW-89	04/15/03	3827.68	204.18	0	3623.50
MW-89	10/14/03	3827.68	205.35	0	3622.33
MW-89	04/05/04	3827.68	205.51	0	3622.17
MW-89	10/05/04	3827.68	202.76	0	3624.92
MW-89	04/19/05	3827.68	204.12	0	3623.56
MW-89	10/24/05	3827.68	203.64	0	3624.04
MW-94					
MW-94	10/13/96	3821.48	196.21	0	3625.27
MW-94	02/04/97	3821.48	197.60	0	3623.88
MW-94	07/14/97	3821.48	198.65	0	3622.83
MW-94	09/30/97	3821.48	199.70	0	3621.78
MW-94	10/09/97	3821.48	196.04	0	3625.44
MW-94	10/14/97	3821.48	195.95	0	3625.53
MW-94	01/27/98	3821.48	195.89	0	3625.59
MW-94	04/27/98	3821.48	196.20	0	3625.28
MW-94	05/28/98	3821.48	196.35	0	3625.13

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 36 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-94	06/16/98	3821.48	196.42	0	3625.06
MW-94	10/10/98	3821.48	196.91	0	3624.57
MW-94	01/27/99	3821.48	197.28	0	3624.20
MW-94	04/19/99	3821.48	197.18	0	3624.30
MW-94	01/05/00	3821.48	197.37	0	3624.11
MW-94	04/26/00	3821.48	197.46	0	3624.02
MW-94	09/27/00	3821.48	197.85	0	3623.63
MW-94	04/16/01	3821.48	197.75	0	3623.73
MW-94	10/29/01	3821.48	198.02	0	3623.46
MW-94	04/15/02	3821.48	198.17	0	3623.31
MW-94	10/14/02	3821.48	196.67	0	3624.81
MW-94	04/15/03	3821.48	197.38	0	3624.10
MW-94	10/14/03	3821.48	188.49	0	3632.99
MW-94	04/05/04	3821.48	198.75	0	3622.73
MW-94	10/05/04	3821.48	195.71	0	3625.77
MW-94	04/19/05	3821.48	197.31	0	3624.17
MW-94	10/24/05	3821.48	196.76	0	3624.72
MW-95	04/29/97	3746.26	118.46	0	3627.78
MW-95	07/15/97	3746.26	118.59	0	3627.67
MW-95	10/14/97	3746.26	119.30	0	3626.96
MW-95	10/29/97	3746.26	119.31	0	3626.95
MW-95	11/04/97	3746.26	119.35	0	3626.91
MW-95	11/12/97	3746.26	119.30	0	3626.96
MW-95	11/19/97	3746.26	119.41	0	3626.85
MW-95	11/24/97	3746.26	119.45	0	3626.81
MW-95	12/10/97	3746.26	119.42	0	3626.84
MW-95	01/28/98	3746.26	119.49	0	3626.77
MW-95	02/25/98	3746.26	119.62	0	3626.64
MW-95	04/27/98	3746.26	119.78	0	3626.48
MW-95	05/28/98	3746.26	119.90	0	3626.36
MW-95	06/16/98	3746.26	119.97	0	3626.29
MW-95	10/10/98	3746.26	120.46	0	3625.80
MW-95	01/27/99	3746.26	120.59	0	3625.67
MW-95	04/19/99	3746.26	120.72	0	3625.54
MW-95	01/05/00	3746.26	120.81	0	3625.45
MW-95	04/26/00	3746.26	120.93	0	3625.33
MW-95	09/27/00	3746.26	NR	--	--
MW-95	04/16/01	3746.26	121.38	0	3624.88
MW-95	10/29/01	3746.26	121.66	0	3624.60
MW-95	04/15/02	3746.26	121.91	0	3624.35
MW-95	10/14/02	3746.26	120.04	0	3626.22
MW-95	04/15/03	3746.26	121.26	0	3625.00
MW-95	10/14/03	3746.26	122.26	0	3624.00
MW-95	04/05/04	3746.26	122.41	0	3623.85
MW-95	10/05/04	3746.26	103.00	0	3643.26
MW-95	04/19/05	3746.26	121.01	0	3625.25
MW-95	10/24/05	3746.26	120.54	0	3625.72
MW-96	04/29/97	3739.80	112.60	0	3627.20
MW-96	07/15/97	3739.80	112.57	0	3627.23
MW-96	10/01/97	3739.80	113.40	0	3626.40
MW-96	10/09/97	3739.80	113.34	0	3626.46
MW-96	10/13/97	3739.80	113.38	0	3626.42
MW-96	10/29/97	3739.80	113.38	0	3626.42
MW-96	11/04/97	3739.80	113.35	0	3626.45
MW-96	11/12/97	3739.80	113.31	0	3626.49
MW-96	11/19/97	3739.80	113.45	0	3626.35
MW-96	11/24/97	3739.80	113.58	0	3626.22
MW-96	12/10/97	3739.80	113.47	0	3626.33
MW-96	01/28/98	3739.80	113.46	0	3626.34
MW-96	02/25/98	3739.80	113.48	0	3626.32
MW-96	04/27/98	3739.80	113.74	0	3626.06
MW-96	05/28/98	3739.80	113.88	0	3625.92
MW-96	06/15/98	3739.80	113.92	0	3625.88
MW-96	10/10/98	3739.80	114.37	0	3625.43
MW-96	01/27/99	3739.80	114.48	0	3625.32
MW-96	04/19/99	3739.80	114.56	0	3625.24
MW-96	01/05/00	3739.80	114.74	0	3625.06
MW-96	04/26/00	3739.80	114.91	0	3624.89
MW-96	09/27/00	3739.80	115.29	0	3624.51
MW-96	04/16/01	3739.80	115.33	0	3624.47
MW-96	10/29/01	3739.80	115.67	0	3624.13
MW-96	04/15/02	3739.80	115.78	0	3624.02
MW-96	10/14/02	3739.80	114.85	0	3624.95
MW-96	04/15/03	3739.80	115.20	0	3624.60
MW-96	10/14/03	3739.80	116.22	0	3623.58
MW-96	04/05/04	3739.80	116.30	0	3623.50
MW-96	10/05/04	3739.80	111.64	0	3628.16
MW-96	04/19/05	3739.80	115.09	0	3624.71
MW-96	10/24/05	3739.80	114.85	0	3624.95
MW-97	04/29/97	3750.16	122.82	0	3627.34
MW-97	07/15/97	3750.16	122.91	0	3627.25
MW-97	10/01/97	3750.16	123.80	0	3626.36
MW-97	10/09/97	3750.16	123.75	0	3626.41
MW-97	10/13/97	3750.16	123.61	0	3626.55
MW-97	10/29/97	3750.16	123.62	0	3626.54
MW-97	11/04/97	3750.16	123.74	0	3626.42
MW-97	11/12/97	3750.16	123.70	0	3626.46

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 37 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-97	11/19/97	3750.16	123.85	0	3626.31
MW-97	11/24/97	3750.16	123.80	0	3626.36
MW-97	12/10/97	3750.16	123.90	0	3626.26
MW-97	01/28/98	3750.16	123.71	0	3626.45
MW-97	02/25/98	3750.16	123.89	0	3626.27
MW-97	04/27/98	3750.16	123.99	0	3626.17
MW-97	05/28/98	3750.16	124.12	0	3626.04
MW-97	06/15/98	3750.16	124.17	0	3625.99
MW-97	10/10/98	3750.16	124.63	0	3625.53
MW-97	01/27/99	3750.16	124.73	0	3625.43
MW-97	04/19/99	3750.16	124.83	0	3625.33
MW-97	01/05/00	3750.16	125.01	0	3625.15
MW-97	04/26/00	3750.16	125.19	0	3624.97
MW-97	09/27/00	3750.16	125.61	0	3624.55
MW-97	04/16/01	3750.16	125.60	0	3624.56
MW-97	10/29/01	3750.16	125.89	0	3624.27
MW-97	04/15/02	3750.16	126.04	0	3624.12
MW-97	10/14/02	3750.16	125.09	0	3625.07
MW-97	04/15/03	3750.16	125.45	0	3624.71
MW-97	10/14/03	3750.16	126.49	0	3623.67
MW-97	04/05/04	3750.16	126.59	0	3623.57
MW-97	10/05/04	3750.16	121.90	0	3628.26
MW-97	04/19/05	3750.16	125.36	0	3624.80
MW-97	10/24/05	3750.16	125.11	0	3625.05
MW-98	04/29/97	3770.15	142.42	0	3627.73
MW-98	07/15/97	3770.15	142.51	0	3627.64
MW-98	10/14/97	3770.15	143.55	0.29	3626.81
MW-98	10/29/97	3770.15	143.43	0.23	3626.88
MW-98	11/04/97	3770.15	143.50	0.25	3626.83
MW-98	11/12/97	3770.15	143.35	0.17	3626.92
MW-98	11/19/97	3770.15	143.48	0.22	3626.83
MW-98	11/24/97	3770.15	143.54	0.26	3626.79
MW-98	12/10/97	3770.15	143.52	0.12	3626.71
MW-98	01/28/98	3770.15	143.53	0.22	3626.78
MW-98	02/25/98	3770.15	143.77	0.19	3626.51
MW-98	04/27/98	3770.15	143.73	0.15	3626.52
MW-98	05/28/98	3770.15	143.80	0	3626.35
MW-98	06/16/98	3770.15	143.87	0.05	3626.31
MW-98	10/10/98	3770.15	144.32	0.08	3625.88
MW-98	01/27/99	3770.15	144.39	0	3625.76
MW-98	04/19/99	3770.15	148.78	0	3621.37
MW-98	01/05/00	3770.15	143.88	0	3626.27
MW-98	04/26/00	3770.15	144.04	0	3626.11
MW-98	09/27/00	3770.15	NR	-	-
MW-98	04/16/01	3770.15	144.55	0	3625.60
MW-98	10/29/01	3770.15	144.79	0	3625.36
MW-98	04/15/02	3770.15	144.98	0	3625.17
MW-98	10/14/02	3770.15	143.64	0	3626.51
MW-98	04/15/03	3770.15	144.42	0	3625.73
MW-98	10/14/03	3770.15	145.46	0	3624.69
MW-98	04/05/04	3770.15	145.60	0	3624.55
MW-98	10/05/04	3770.15	140.49	0	3629.66
MW-98	04/19/05	3770.15	144.21	0	3625.94
MW-98	10/24/05	3770.15	143.91	0	3626.24
MW-104	07/15/97	3793.64	168.72	0	3624.92
MW-104	10/13/97	3793.64	167.22	0	3626.42
MW-104	10/29/97	3793.64	167.25	0	3626.39
MW-104	11/04/97	3793.64	167.30	0	3626.34
MW-104	11/12/97	3793.64	167.20	0	3626.44
MW-104	11/19/97	3793.64	167.30	0	3626.34
MW-104	11/24/97	3793.64	167.30	0	3626.34
MW-104	12/10/97	3793.64	167.28	0	3626.36
MW-104	01/28/98	3793.64	167.33	0	3626.31
MW-104	02/25/98	3793.64	167.34	0	3626.30
MW-104	04/27/98	3793.64	167.59	0	3626.05
MW-104	05/28/98	3793.64	167.75	0	3625.89
MW-104	06/15/98	3793.64	167.81	0	3625.83
MW-104	10/10/98	3793.64	168.27	0	3625.37
MW-104	01/27/99	3793.64	168.69	0.29	3625.16
MW-104	04/19/99	3793.64	173.11	0.39	3620.81
MW-104	01/05/00	3793.64	168.57	0.15	3625.18
MW-104	04/26/00	3793.64	168.97	0.26	3624.86
MW-104	09/27/00	3793.64	169.30	0.14	3624.44
MW-104	04/16/01	3793.64	169.28	0	3624.36
MW-104	10/29/01	3793.64	169.52	0	3624.12
MW-104	04/15/02	3793.64	169.60	0	3624.04
MW-104	10/14/02	3793.64	169.74	0	3623.90
MW-104	04/15/03	3793.64	169.61	0	3624.03
MW-104	10/14/03	3793.64	170.09	0	3623.55
MW-104	04/05/04	3793.64	170.07	0	3623.57
MW-104	10/05/04	3793.64	165.55	0	3628.09
MW-104	04/19/05	3793.64	168.94	0	3624.70
MW-104	10/24/05	3793.64	168.69	0	3624.95
MW-108	07/15/97	3747.13	119.97	0	3627.16
MW-108	10/13/97	3747.13	120.47	0	3626.66
MW-108	10/29/97	3747.13	120.45	0	3626.68
MW-108	11/04/97	3747.13	120.42	0	3626.71

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 38 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-108	11/12/97	3747.13	124.40	0	3622.73
MW-108	11/19/97	3747.13	120.55	0	3626.58
MW-108	11/24/97	3747.13	120.54	0	3626.59
MW-108	12/10/97	3747.13	120.55	0	3626.58
MW-108	01/28/98	3747.13	120.58	0	3626.55
MW-108	02/25/98	3747.13	120.57	0	3626.56
MW-108	04/27/98	3747.13	120.85	0	3626.28
MW-108	05/28/98	3747.13	120.72	0	3626.41
MW-108	06/15/98	3747.13	121.03	0	3626.10
MW-108	10/10/98	3747.13	121.50	0	3625.63
MW-108	01/27/99	3747.13	120.59	0	3626.54
MW-108	04/19/99	3747.13	121.72	0	3625.41
MW-108	01/05/00	3747.13	121.89	0	3625.24
MW-108	04/26/00	3747.13	122.08	0	3625.05
MW-108	09/27/00	3747.13	122.49	0	3624.64
MW-108	04/16/01	3747.13	122.52	0	3624.61
MW-108	10/29/01	3747.13	122.84	0	3624.29
MW-108	04/15/02	3747.13	122.47	0	3624.66
MW-108	10/14/02	3747.13	121.93	0	3625.20
MW-108	04/15/03	3747.13	122.42	0	3624.71
MW-108	10/14/03	3747.13	123.42	0	3623.71
MW-108	04/05/04	3747.13	123.50	0	3623.63
MW-108	10/05/04	3747.13	118.68	0	3628.45
MW-108	04/19/05	3747.13	122.22	0	3624.91
MW-108	10/24/05	3747.13	121.99	0	3625.14
MW-110					
MW-110	06/17/98	3812.61	187.42	0	3625.19
MW-110	10/09/98	3812.61	188.34	0	3624.27
MW-110	01/27/99	3812.61	192.59	0.02	3620.03
MW-110	04/19/99	3812.61	189.31	0	3623.30
MW-110	01/05/00	3812.61	191.89	0	3620.72
MW-110	04/26/00	3812.61	191.62	0	3620.99
MW-110	09/27/00	3812.61	192.19	0	3620.42
MW-110	04/16/01	3812.61	196.25	0	3616.36
MW-110	10/29/01	3812.61	192.38	0	3620.23
MW-110	04/15/02	3812.61	190.51	0.02	3622.11
MW-110	10/14/02	3812.61	188.38	0	3624.23
MW-110	04/15/03	3812.61	189.53	0	3623.08
MW-110	10/14/03	3812.61	190.62	0	3621.99
MW-110	04/05/04	3812.61	191.02	0	3621.59
MW-110	10/05/04	3812.61	188.00	0	3624.61
MW-110	04/19/05	3812.61	189.62	0	3622.99
MW-110	10/24/05	3812.61	188.84	0	3623.77
MW-111					
MW-111	06/19/98	3824.44	200.24	0	3624.20
MW-111	10/10/98	3824.44	200.89	0	3623.55
MW-111	01/27/99	3824.44	201.24	0	3623.20
MW-111	04/19/99	3824.44	201.26	0	3623.18
MW-111	01/05/00	3824.44	201.21	0	3623.23
MW-111	04/26/00	3824.44	201.48	0	3622.96
MW-111	09/27/00	3824.44	201.66	0	3622.78
MW-111	04/16/01	3824.44	201.74	0	3622.70
MW-111	10/29/01	3824.44	201.64	0	3622.80
MW-111	04/15/02	3824.44	201.83	0	3622.61
MW-111	10/14/02	3824.44	200.52	0	3623.92
MW-111	04/15/03	3824.44	201.21	0	3623.23
MW-111	10/14/03	3824.44	202.50	0	3621.94
MW-111	04/05/04	3824.44	202.54	0	3621.90
MW-111	10/05/04	3824.44	200.25	0	3624.19
MW-111	04/19/05	3824.44	201.09	0	3623.35
MW-111	10/24/05	3824.44	200.61	0	3623.83
MW-112					
MW-112	01/05/00	3780.11	154.99	0	3625.13
MW-112	04/26/00	3780.11	NR	—	—
MW-112	09/27/00	3780.11	155.39	0	3624.72
MW-112	04/16/01	3780.11	156.30	0	3623.81
MW-112	10/29/01	3780.11	156.68	0	3623.43
MW-112	04/15/02	3780.11	156.71	0	3623.40
MW-112	10/14/02	3780.11	154.97	0	3625.14
MW-112	04/15/03	3780.11	156.10	0.12	3624.10
MW-112	10/14/03	3780.11	201.97	0.67	3578.63
MW-112	04/05/04	3780.11	157.07	0.34	3623.29
MW-112	10/05/04	3780.11	152.34	0.01	3627.78
MW-112	04/19/05	3780.11	155.42	0	3624.69
MW-112	10/24/05	3780.11	155.07	0	3625.04
MW-113					
MW-113	01/05/00	3772.67	147.43	0	3625.24
MW-113	04/26/00	3772.67	148.28	0.88	3625.03
MW-113	09/27/00	3772.67	147.72	0	3624.95
MW-113	04/16/01	3772.67	148.11	0.13	3624.65
MW-113	10/29/01	3772.67	148.95	0.2	3623.87
MW-113	04/15/02	3772.67	148.72	0.14	3624.05
MW-113	10/14/02	3772.67	147.33	0	3625.34
MW-113	04/15/03	3772.67	148.69	0.53	3624.37
MW-113	10/14/03	3772.67	149.24	0.21	3623.58
MW-113	04/05/04	3772.67	142.42	0.2	3630.40
MW-113	10/05/04	3772.67	144.58	0	3628.09
MW-113	04/19/05	3772.67	147.90	0	3624.77
MW-113	10/24/05	3772.67	147.51	0	3625.16

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 39 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-114	01/05/00	3805.32	181.31	0	3624.01
MW-114	04/26/00	3805.32	81.48	0	3723.84
MW-114	09/27/00	3805.32	181.69	0	3623.63
MW-114	04/16/01	3805.32	181.95	0	3623.37
MW-114	10/29/01	3805.32	182.05	0	3623.27
MW-114	04/15/02	3805.32	182.31	0	3623.01
MW-114	10/14/02	3805.32	180.12	0	3625.20
MW-114	04/15/03	3805.32	181.52	0	3623.80
MW-114	10/14/03	3805.32	182.64	0	3622.68
MW-114	04/05/04	3805.32	182.81	0	3622.51
MW-114	10/05/04	3805.32	179.68	0	3625.64
MW-114	04/19/05	3805.32	181.15	0	3624.17
MW-114	10/24/05	3805.32	181.61	0	3623.71
MW-115	01/05/00	3804.69	181.19	0	3623.50
MW-115	04/26/00	3804.69	181.11	0	3623.58
MW-115	09/27/00	3804.69	181.50	0	3623.19
MW-115	04/16/01	3804.69	181.31	0	3623.38
MW-115	10/29/01	3804.69	181.60	0	3623.09
MW-115	04/15/02	3804.69	182.45	0	3622.24
MW-115	10/14/02	3804.69	178.64	0	3626.05
MW-115	04/15/03	3804.69	181.08	0	3623.61
MW-115	10/14/03	3804.69	182.24	0	3622.45
MW-115	04/05/04	3804.69	182.45	0	3622.24
MW-115	10/05/04	3804.69	179.42	0	3625.27
MW-115	04/19/05	3804.69	180.52	0	3624.17
MW-115	10/24/05	3804.69	180.28	0	3624.41
MW-116	04/26/00	3792.11	167.45	0	3624.66
MW-116	09/27/00	3792.11	168.18	0	3623.93
MW-116	04/16/01	3792.11	168.23	0	3623.88
MW-116	10/29/01	3792.11	168.48	0	3623.63
MW-116	04/15/02	3792.11	168.75	0	3623.36
MW-116	10/14/02	3792.11	167.25	0	3624.86
MW-116	04/15/03	3792.11	168.04	0	3624.07
MW-116	10/14/03	3792.11	169.16	0	3622.95
MW-116	04/05/04	3792.11	169.32	0	3622.79
MW-116	10/05/04	3792.11	165.89	0	3626.42
MW-116	04/19/05	3792.11	167.98	0	3624.13
MW-116	10/24/05	3792.11	162.50	0	3629.61
MW-117A	01/05/00	3808.24	182.80	0	3625.44
MW-117A	04/26/00	3808.24	185.28	0	3622.96
MW-117A	09/27/00	3808.24	165.91	0	3642.33
MW-117A	04/16/01	3808.24	185.90	0	3622.34
MW-117A	10/29/01	3808.24	185.88	0	3622.36
MW-117A	04/15/02	3808.24	186.35	0	3621.89
MW-117A	10/14/02	3808.24	184.32	0	3623.92
MW-117A	04/15/03	3808.24	185.75	0	3622.49
MW-117A	10/14/03	3808.24	186.62	0	3621.62
MW-117A	04/05/04	3808.24	187.29	0.69	3621.45
MW-117A	10/05/04	3808.24	183.99	0	3624.25
MW-117A	04/19/05	3808.24	184.97	0	3623.27
MW-117A	10/24/05	3808.24	184.47	0	3623.77
MW-118	01/05/00	3762.88	138.21	0	3624.67
MW-118	04/26/00	3762.88	138.50	0	3624.38
MW-118	09/27/00	3762.88	138.85	0	3624.03
MW-118	04/16/01	3762.88	138.98	0	3623.90
MW-118	10/29/01	3762.88	129.35	0	3633.53
MW-118	04/15/02	3762.88	139.35	0	3623.53
MW-118	10/14/02	3762.88	138.14	0	3624.74
MW-118	04/15/03	3762.88	138.82	0	3624.06
MW-118	10/14/03	3762.88	139.86	0	3623.02
MW-118	04/05/04	3762.88	139.26	0	3623.62
MW-118	10/05/04	3762.88	135.21	0	3627.67
MW-118	04/19/05	3762.88	138.64	0	3624.24
MW-118	10/24/05	3762.88	130.34	0	3632.54
MW-119	01/05/00	3824.74	201.21	0	3623.53
MW-119	04/26/00	3824.74	201.30	0	3623.44
MW-119	09/27/00	3824.74	201.35	0	3623.39
MW-119	04/16/01	3824.74	201.45	0	3623.29
MW-119	10/29/01	3824.74	202.67	0	3622.07
MW-119	04/15/02	3824.74	201.71	0	3623.03
MW-119	10/14/02	3824.74	200.38	0	3624.36
MW-119	04/15/03	3824.74	200.87	0	3623.87
MW-119	10/14/03	3824.74	202.03	0	3622.71
MW-119	04/05/04	3824.74	202.23	0	3622.51
MW-119	10/05/04	3824.74	199.54	0	3625.20
MW-119	04/19/05	3824.74	200.78	0	3623.96
MW-119	10/24/05	3824.74	200.11	0	3624.63
MW-120	01/05/00	3820.65	195.61	0.17	3625.89
MW-120	04/26/00	3820.65	196.32	0.01	3624.34
MW-120	09/27/00	3820.65	196.28	0	3624.37
MW-120	04/16/01	3820.65	197.43	0.83	3623.83
MW-120	10/29/01	3820.65	197.32	0.12	3623.42
MW-120	04/15/02	3820.65	197.14	0	3623.51
MW-120	10/14/02	3820.65	196.28	0	3624.37

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 40 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-120	04/15/03	3820.65	198.85	2.33	3623.50
MW-120	10/14/03	3820.65	197.53	0.01	3623.13
MW-120	04/05/04	3820.65	197.67	0.4	3623.27
MW-120	10/05/04	3820.65	193.99	0.14	3626.76
MW-120	04/19/05	3820.65	196.50	0	3624.15
MW-120	10/24/05	3820.65	195.91	0.01	3624.75
MW-121					
MW-121	01/05/00	3820.88	195.12	0.01	3625.76
MW-121	04/26/00	3820.88	195.40	0	3625.48
MW-121	09/27/00	3820.88	197.55	0.79	3623.91
MW-121	04/16/01	3820.88	197.85	0.65	3623.50
MW-121	10/29/01	3820.88	197.60	0.05	3623.32
MW-121	04/15/02	3820.88	197.68	0	3623.20
MW-121	10/14/02	3820.88	196.37	0	3624.51
MW-121	04/15/03	3820.88	197.30	0.04	3623.61
MW-121	10/14/03	3820.88	197.79	0.05	3623.13
MW-121	04/05/04	3820.88	197.82	0.02	3623.07
MW-121	10/05/04	3820.88	194.43	0	3626.45
MW-121	04/19/05	3820.88	196.48	0.02	3624.41
MW-121	10/24/05	3820.88	196.02	0.02	3624.87
MW-122					
MW-122	01/05/00	3822.79	197.61	0	3625.18
MW-122	04/26/00	3822.79	199.17	0	3623.62
MW-122	09/27/00	3822.79	199.50	0	3623.29
MW-122	04/16/01	3822.79	199.64	0	3623.15
MW-122	10/29/01	3822.79	199.87	0	3622.92
MW-122	04/15/02	3822.79	199.52	0	3623.27
MW-122	10/14/02	3822.79	198.22	0	3624.57
MW-122	04/15/03	3822.79	198.76	0	3624.03
MW-122	10/14/03	3822.79	199.99	0	3622.80
MW-122	04/05/04	3822.79	200.13	0	3622.66
MW-122	10/05/04	3822.79	197.03	0	3625.76
MW-122	04/19/05	3822.79	198.69	0	3624.10
MW-122	10/24/05	3822.79	198.09	0	3624.70
MW-123					
MW-123	01/05/00	3768.77	142.98	0.61	3624.34
MW-123	04/26/00	3768.77	143.98	0.13	3624.88
MW-123	09/27/00	3768.77	144.15	0	3624.62
MW-123	04/16/01	3768.77	144.32	0	3624.45
MW-123	10/29/01	3768.77	144.88	0.23	3624.06
MW-123	04/15/02	3768.77	144.82	0.51	3624.32
MW-123	10/14/02	3768.77	143.70	0.08	3625.13
MW-123	04/15/03	3768.77	144.25	0	3624.52
MW-123	10/14/03	3768.77	145.36	0	3623.41
MW-123	04/05/04	3768.77	145.47	0.06	3623.34
MW-123	10/05/04	3768.77	141.02	0	3627.75
MW-123	04/19/05	3768.77	144.08	0	3624.69
MW-123	10/24/05	3768.77	143.73	0	3625.04
MW-124					
MW-124	01/05/00	3777.83	151.95	0	3625.88
MW-124	04/26/00	3777.83	152.92	0	3624.91
MW-124	09/27/00	3777.83	153.71	0	3624.12
MW-124	04/16/01	3777.83	153.95	0.67	3624.37
MW-124	10/29/01	3777.83	153.67	0.06	3624.20
MW-124	04/15/02	3777.83	154.23	0.38	3623.88
MW-124	10/14/02	3777.83	152.75	0.12	3625.17
MW-124	04/15/03	3777.83	153.44	0	3624.39
MW-124	10/14/03	3777.83	154.45	0	3623.38
MW-124	04/05/04	3777.83	154.21	0	3623.62
MW-124	10/05/04	3777.83	149.98	0	3627.85
MW-124	04/19/05	3777.83	153.12	0	3624.71
MW-124	10/24/05	3777.83	152.81	0	3625.02
MW-125					
MW-125	01/05/00	3790.61	166.64	1.27	3624.90
MW-125	04/26/00	3790.61	166.07	0	3624.54
MW-125	09/27/00	3790.61	156.53	0.01	3634.09
MW-125	04/16/01	3790.61	166.60	0	3624.01
MW-125	10/29/01	3790.61	166.91	0	3623.70
MW-125	04/15/02	3790.61	167.22	0	3623.39
MW-125	10/14/02	3790.61	166.78	1.14	3624.66
MW-125	04/15/03	3790.61	166.96	0.03	3623.67
MW-125	10/14/03	3790.61	167.94	0.3	3622.89
MW-125	04/05/04	3790.61	D	-	-
MW-125	10/05/04	3790.61	164.10	0.02	3626.52
MW-125	04/19/05	3790.61	166.50	0.04	3624.14
MW-125	10/24/05	3790.61	166.10	0.07	3624.56
MW-127					
MW-127	01/05/00	3825.17	202.12	0	3623.05
MW-127	04/26/00	3825.17	202.34	0.46	3623.17
MW-127	09/27/00	3825.17	202.00	0	3623.17
MW-127	04/16/01	3825.17	202.70	0.07	3622.52
MW-127	10/29/01	3825.17	202.51	0.03	3622.68
MW-127	04/15/02	3825.17	202.74	0	3622.43
MW-127	10/14/02	3825.17	200.92	0	3624.25
MW-127	04/15/03	3825.17	202.50	0	3622.67
MW-127	10/14/03	3825.17	202.99	0	3622.18
MW-127	04/05/04	3825.17	203.15	0	3622.02
MW-127	10/05/04	3825.17	200.48	0	3624.69
MW-127	04/19/05	3825.17	201.81	0	3623.36
MW-127	10/24/05	3825.17	201.00	0	3624.17

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 41 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
MW-128	01/05/00	3786.08	160.81	0	3625.27
MW-128	04/26/00	3786.08	161.25	0	3624.83
MW-128	09/27/00	3786.08	162.88	0	3623.20
MW-128	04/16/01	3786.08	161.87	0	3624.21
MW-128	10/29/01	3786.08	162.31	0	3623.77
MW-128	04/15/02	3786.08	162.41	0	3623.67
MW-128	10/14/02	3786.08	161.09	0	3624.99
MW-128	04/15/03	3786.08	162.10	0	3623.98
MW-128	10/14/03	3786.08	162.85	0	3623.23
MW-128	04/05/04	3786.08	162.94	0	3623.14
MW-128	10/05/04	3786.08	159.88	0	3626.20
MW-128	04/19/05	3786.08	161.62	0	3624.46
MW-128	10/24/05	3786.08	161.18	0	3624.90
MW-129	01/05/00	3800.82	175.49	0.84	3625.95
MW-129	04/26/00	3800.82	176.90	0	3623.92
MW-129	09/27/00	3800.82	176.48	0	3624.34
MW-129	04/16/01	3800.82	178.40	0.7	3622.93
MW-129	10/29/01	3800.82	178.65	0.99	3622.89
MW-129	04/15/02	3800.82	180.80	0.06	3620.06
MW-129	10/14/02	3800.82	175.98	0	3624.84
MW-129	04/15/03	3800.82	178.78	2.02	3623.51
MW-129	10/14/03	3800.82	180.92	3.31	3622.32
MW-129	04/05/04	3800.82	178.63	0.01	3622.20
MW-129	10/05/04	3800.82	175.43	0	3625.39
MW-129	04/19/05	3800.82	177.05	0	3623.77
MW-129	10/24/05	3800.82	176.37	0.01	3624.46
MW-130	01/05/00	3775.54	149.65	0.80	3626.33
MW-130	04/26/00	3775.54	151.03	0.52	3624.89
MW-130	09/27/00	3775.54	150.93	0.08	3624.67
MW-130	04/16/01	3775.54	151.24	0.14	3624.40
MW-130	10/29/01	3775.54	151.58	0.19	3624.10
MW-130	04/15/02	3775.54	151.64	0.03	3623.92
MW-130	10/14/02	3775.54	150.44	0.09	3625.17
MW-130	04/15/03	3775.54	150.99	0	3624.55
MW-130	10/14/03	3775.54	152.07	0.03	3623.49
MW-130	04/05/04	3775.54	152.13	0	3623.41
MW-130	10/05/04	3775.54	147.77	0	3627.77
MW-130	04/19/05	3775.54	150.78	0	3624.76
MW-130	10/24/05	3775.54	150.53	0	3625.01
MW-131	01/05/00	3784.23	158.32	0	3625.91
MW-131	04/26/00	3784.23	158.71	0	3625.52
MW-131	09/27/00	3784.23	159.71	0	3624.52
MW-131	04/16/01	3784.23	160.20	0	3624.03
MW-131	10/29/01	3784.23	160.38	0	3623.85
MW-131	04/15/02	3784.23	160.71	0	3623.52
MW-131	10/14/02	3784.23	159.22	0	3625.01
MW-131	04/15/03	3784.23	159.95	0	3624.28
MW-131	10/14/03	3784.23	161.06	0	3623.17
MW-131	04/05/04	3784.23	161.24	0	3622.99
MW-131	10/05/04	3784.23	157.10	0	3627.13
MW-131	04/19/05	3784.23	159.79	0	3624.44
MW-131	10/24/05	3784.23	159.41	0	3624.82
IW-1	07/16/96	3808.55	185.32	2.91	3626.35
IW-1	10/13/96	3808.55	181.83	2.81	3628.77
IW-1	02/03/97	3808.55	185.60	5.38	3626.87
IW-1	04/28/97	3808.55	183.12	1.53	3626.54
IW-1	07/14/97	3808.55	182.27	0.38	3626.55
IW-1	10/13/97	3808.55	181.80	0.16	3626.86
IW-1	11/04/97	3808.55	52.65	0	3755.90
IW-1	11/12/97	3808.55	55.85	0	3752.70
IW-1	11/19/97	3808.55	41.80	0	3766.75
IW-1	11/24/97	3808.55	70.90	0	3737.65
IW-1	12/10/97	3808.55	4.00	0	3804.55
IW-1	04/27/98	3808.55	82.27	0	3726.28
IW-1	05/28/98	3808.55	11.26	0	3797.29
IW-1	06/15/98	3808.55	181.05	0	3627.50
IW-1	10/09/98	3808.55	81.46	0	3747.09
IW-1	01/05/00	3808.55	18.15	0	3790.40
IW-1	04/26/00	3808.55	19.22	0	3789.33
IW-1	09/27/00	3808.55	NR	--	--
IW-1	04/16/01	3808.55	NR	--	--
IW-1	10/29/01	3808.55	NR	--	--
IW-1	04/15/02	3808.55	184.20	0	3624.35
IW-1	10/14/02	3808.55	182.79	0	3625.76
IW-1	04/15/03	3808.55	183.69	0	3624.86
IW-1	10/14/03	3808.55	NG	--	--
IW-1	04/05/04	3808.55	NG	--	--
IW-1	10/05/04	3808.55	NG	--	--
IW-1	04/19/05	3808.55	NG	--	--
IW-1	10/24/05	3808.55	NR	--	--
IW-2	08/01/96	3835.86	207.22	0	3628.64
IW-2	10/13/96	3835.86	205.52	0	3630.34
IW-2	02/03/97	3835.86	52.92	0	3782.94
IW-2	04/28/97	3835.86	28.89	0	3806.97
IW-2	07/14/97	3835.86	133.89	0	3701.97

Appendix A
Historic Fluid Level Data, May 1991 - October 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 42 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
IW-2	10/13/97	3835.86	29.61	0	3806.25
IW-2	11/04/97	3835.86	208.50	0	3627.36
IW-2	11/12/97	3835.86	208.70	0	3627.16
IW-2	11/19/97	3835.86	208.78	0	3627.08
IW-2	11/24/97	3835.86	208.95	0	3626.91
IW-2	12/10/97	3835.86	175.58	0	3660.28
IW-2	01/27/98	3835.86	121.00	0	3714.86
IW-2	02/25/98	3835.86	24.64	0	3811.22
IW-2	04/26/00	3835.86	NR	--	--
IW-2	09/27/00	3835.86	NR	--	--
IW-2	04/16/01	3835.86	NR	--	--
IW-2	10/29/01	3835.86	NR	--	--
IW-2	04/15/02	3835.86	NR	--	--
IW-2	10/14/02	3835.86	NR	--	--
IW-2	04/15/03	3835.86	NG	--	--
IW-2	10/14/03	3835.86	D	--	--
IW-2	04/05/04	3835.86	NG	--	--
IW-2	10/05/04	3835.86	NG	--	--
IW-2	04/19/05	3835.86	NG	--	--
IW-2	10/24/05	3835.86	188.88	0	3646.98
SW-1					
SW-1	02/04/97	3808.19	180.00	0	3628.19
SW-1	05/28/98	3808.19	198.00	0	3610.19
SW-1	06/17/98	3808.19	198.05	0	3610.14
SW-1	04/26/00	3808.19	NR	--	--
SW-1	09/27/00	3808.19	NR	--	--
SW-1	04/16/01	3808.19	NR	--	--
SW-1	10/29/01	3808.19	NR	--	--
SW-1	04/15/02	3808.19	NR	--	--
SW-1	10/14/02	3808.19	NR	--	--
SW-1	04/15/03	3808.19	NG	--	--
SW-1	10/14/03	3808.19	--	--	--
SW-1	04/05/04	3808.19	NG	--	--
SW-1	10/05/04	3808.19	NG	--	--
SW-1	04/19/05	3808.19	NG	--	--
SW-1	10/24/05	3808.19	NR	--	--
SW-2					
SW-2	08/21/91	3808.79	180.53	0	3628.26
SW-2	09/18/91	3808.79	180.53	0	3628.26
SW-2	10/22/91	3808.79	179.74	0	3629.05
SW-2	11/15/91	3808.79	179.44	0	3629.35
SW-2	03/01/92	3808.79	180.12	0	3628.67
SW-2	04/01/92	3808.79	180.00	0	3628.79
SW-2	05/01/92	3808.79	176.52	0	3632.27
SW-2	06/01/92	3808.79	176.06	0	3632.73
SW-2	07/01/92	3808.79	176.06	0	3632.73
SW-2	08/01/92	3808.79	176.99	0	3631.80
SW-2	09/01/92	3808.79	177.57	0	3631.22
SW-2	10/01/92	3808.79	178.02	0	3630.77
SW-2	11/01/92	3808.79	178.31	0	3630.48
SW-2	12/01/92	3808.79	179.06	0	3629.73
SW-2	01/01/93	3808.79	178.88	0	3629.91
SW-2	02/01/93	3808.79	179.08	0	3629.71
SW-2	03/01/93	3808.79	179.31	0	3629.48
SW-2	04/01/93	3808.79	179.04	0	3629.75
SW-2	05/01/93	3808.79	179.22	0	3629.57
SW-2	06/01/93	3808.79	179.39	0	3629.40
SW-2	07/01/93	3808.79	179.76	0	3629.03
SW-2	08/01/93	3808.79	179.76	0	3629.03
SW-2	09/01/93	3808.79	179.86	0	3628.93
SW-2	10/01/93	3808.79	179.63	0	3629.16
SW-2	11/01/93	3808.79	180.39	0	3628.40
SW-2	12/01/93	3808.79	179.62	0	3629.17
SW-2	01/01/94	3808.79	180.41	0	3628.38
SW-2	02/01/94	3808.79	181.55	0	3627.24
SW-2	03/01/94	3808.79	180.10	0	3628.69
SW-2	04/01/94	3808.79	180.58	0	3628.21
SW-2	05/01/94	3808.79	181.13	0	3627.66
SW-2	07/01/94	3808.79	181.00	0	3627.79
SW-2	08/01/94	3808.79	180.61	0	3628.18
SW-2	09/01/94	3808.79	180.52	0	3628.27
SW-2	10/01/94	3808.79	181.56	0	3627.23
SW-2	12/01/94	3808.79	184.89	0	3623.90
SW-2	01/01/95	3808.79	181.26	0	3627.53
SW-2	04/01/95	3808.79	181.50	0	3627.29
SW-2	07/01/95	3808.79	181.62	0	3627.17
SW-2	10/01/95	3808.79	181.70	0	3627.09
SW-2	01/16/96	3808.79	182.21	0	3626.58
SW-2	04/17/96	3808.79	182.25	0	3626.54
SW-2	07/15/96	3808.79	182.24	0	3626.55
SW-2	10/01/96	3808.79	180.89	0	3627.90
SW-2	01/01/97	3808.79	182.21	0	3626.58
SW-2	02/04/97	3808.79	182.31	0	3626.48
SW-2	04/28/97	3808.79	182.80	0	3625.99
SW-2	07/15/97	3808.79	183.04	0	3625.75
SW-2	10/14/97	3808.79	183.89	0	3624.90
SW-2	01/27/98	3808.79	183.74	0	3625.05
SW-2	04/27/98	3808.79	185.05	0	3623.74
SW-2	05/28/98	3808.79	185.13	0	3623.66
SW-2	06/17/98	3808.79	185.15	0	3623.64

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 43 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
SW-2	10/09/98	3808.79	185.65	0	3623.14
SW-2	01/27/99	3808.79	185.94	0	3622.85
SW-2	04/19/99	3808.79	185.62	0	3623.17
SW-2	04/26/00	3808.79	NR	—	—
SW-2	09/27/00	3808.79	NR	—	—
SW-2	04/16/01	3808.79	186.59	0	3622.20
SW-2	10/29/01	3808.79	186.28	0	3622.51
SW-2	04/15/02	3808.79	186.52	0	3622.27
SW-2	10/14/02	3808.79	185.13	0	3623.66
SW-2	04/15/03	3808.79	185.86	0	3622.93
SW-2	10/14/03	3808.79	186.89	0	3621.90
SW-2	04/05/04	3808.79	187.17	0	3621.62
SW-2	10/05/04	3808.79	184.08	0	3624.71
SW-2	04/19/05	3808.79	184.40	0	3624.39
SW-2	10/24/05	3808.79	185.08	0	3623.71
SW-3	07/15/96	3842.29	215.62	0	3626.67
SW-3	10/01/96	3842.29	213.51	0	3628.78
SW-3	02/03/97	3842.29	215.63	0	3626.66
SW-3	04/28/97	3842.29	216.14	0	3626.15
SW-3	07/14/97	3842.29	216.74	0	3625.55
SW-3	10/14/97	3842.29	217.51	0	3624.78
SW-3	01/27/98	3842.29	217.54	0	3624.75
SW-3	04/27/98	3842.29	217.80	0	3624.49
SW-3	05/28/98	3842.29	217.98	0	3624.31
SW-3	06/15/98	3842.29	218.50	0	3623.79
SW-3	10/09/98	3842.29	218.58	0	3623.71
SW-3	01/27/99	3842.29	D	—	—
SW-3	04/19/99	3842.29	219.03	0	3623.26
SW-3	01/05/00	3842.29	218.96	0	3623.33
SW-3	04/26/00	3842.29	219.20	0	3623.09
SW-3	09/27/00	3842.29	219.45	0	3622.84
SW-3	04/16/01	3842.29	219.73	0	3622.56
SW-3	10/29/01	3842.29	219.97	0	3622.32
SW-3	04/15/02	3842.29	220.03	0	3622.26
SW-3	10/14/02	3842.29	217.90	0	3624.39
SW-3	04/15/03	3842.29	219.40	0	3622.89
SW-3	10/14/03	3842.29	220.22	0	3622.07
SW-3	04/05/04	3842.29	220.64	0	3621.65
SW-3	10/05/04	3842.29	218.08	0	3624.21
SW-3	04/19/05	3842.29	218.89	0	3623.40
SW-3	10/24/05	3842.29	218.96	0	3623.33

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 44 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
VE-1	06/15/98		204.78	0	
VE-1	01/05/00	--	205.54	0	--
VE-1	04/26/00	3829.73	205.80	0	3623.93
VE-1	09/27/00	3829.73	206.05	0	3623.68
VE-1	04/16/01	3829.73	206.05	0	3623.68
VE-1	10/29/01	3829.73	206.43	0	3623.30
VE-1	04/15/02	3829.73	206.42	0	3623.31
VE-1	10/14/02	3829.73	205.28	0	3624.45
VE-1	04/15/03	3829.73	205.81	0	3623.92
VE-1	10/14/03	3829.73	206.78	0	3622.95
VE-1	04/05/04	3829.73	207.04	0	3622.69
VE-1	10/05/04	3829.73	203.40	0	3626.33
VE-1	04/19/05	3829.73	205.81	0	3623.92
VE-1	10/24/05	3829.73	205.31	0	3624.42
VE-2	06/15/98		200.67	0	
VE-2	01/05/00	--	201.48	0	--
VE-2	04/26/00	3825.93	201.71	0	3624.22
VE-2	09/27/00	3825.93	202.10	0	3623.83
VE-2	04/16/01	3825.93	201.87	0	3624.06
VE-2	10/29/01	3825.93	202.43	0	3623.50
VE-2	04/15/02	3825.93	202.35	0	3623.58
VE-2	10/14/02	3825.93	201.32	0	3624.61
VE-2	04/15/03	3825.93	201.65	0	3624.28
VE-2	10/14/03	3825.93	202.78	0	3623.15
VE-2	04/05/04	3825.93	203.02	0	3622.91
VE-2	10/05/04	3825.93	199.20	0	3626.73
VE-2	04/19/05	3825.93	201.91	0	3624.02
VE-2	10/24/05	3825.93	201.44	0	3624.49
VE-3	06/15/98		191.32	0	
VE-3	01/05/00	--	192.13	0	--
VE-3	04/26/00	3816.75	192.32	0	3624.43
VE-3	09/27/00	3816.75	192.78	0	3623.97
VE-3	04/16/01	3816.75	192.63	0	3624.12
VE-3	10/29/01	3816.75	192.94	0	3623.81
VE-3	04/15/02	3816.75	193.02	0	3623.73
VE-3	10/14/02	3816.75	192.05	0	3624.70
VE-3	04/15/03	3816.75	192.46	0	3624.29
VE-3	10/14/03	3816.75	193.45	0	3623.30
VE-3	04/05/04	3816.75	193.70	0	3623.05
VE-3	10/05/04	3816.75	190.25	0	3626.50
VE-3	04/19/05	3816.75	192.63	0	3624.12
VE-3	10/24/05	3816.75	192.17	0	3624.58
VE-4	06/15/98		179.89	0	
VE-4	01/05/00	--	D	--	--
VE-4	04/26/00	3805.45	D	--	--
VE-4	09/27/00	3805.45	D	--	--
VE-4	04/16/01	3805.45	D	--	--
VE-4	10/29/01	3805.45	D	--	--
VE-4	04/15/02	3805.45	D	--	--
VE-4	10/14/02	3805.45	D	--	--
VE-4	04/15/03	3805.45	D	--	--
VE-4	10/14/03	3805.45	D	--	--
VE-4	04/05/04	3805.45	D	--	--
VE-4	10/05/04	3805.45	177.60	0	3627.85
VE-4	04/19/05	3805.45	D	--	--
VE-4	10/24/05	3805.45	D	--	--
VE-5	06/15/98		164.48	0	
VE-5	04/26/00	3790.10	165.51	0	3624.59
VE-5	09/27/00	3790.10	165.98	0	3624.12
VE-5	04/16/01	3790.10	165.83	0	3624.27
VE-5	10/29/01	3790.10	165.91	0	3624.19
VE-5	04/15/02	3790.10	D	--	--
VE-5	10/14/02	3790.10	D	--	--
VE-5	04/15/03	3790.10	D	--	--
VE-5	10/14/03	3790.10	D	--	--
VE-5	04/05/04	3790.10	D	--	--
VE-5	10/05/04	3790.10	162.90	0	3627.20
VE-5	04/19/05	3790.10	D	--	--
VE-5	10/24/05	3790.10	D	--	--
VE-16	10/29/97	3750.96	124.27	0	3626.69
VE-16	11/04/97	3750.96	124.35	0	3626.61
VE-16	11/12/97	3750.96	124.22	0	3626.74
VE-16	11/19/97	3750.96	124.33	0	3626.63
VE-16	11/24/97	3750.96	124.33	0	3626.63
VE-16	12/10/97	3750.96	124.30	0	3626.66
VE-16	02/25/98	3750.96	124.38	0	3626.58
VE-16	06/15/98	3750.96	124.81	0	3626.15
VE-16	01/05/00	3750.96	125.69	0	3625.27
VE-16	04/26/00	3750.96	125.92	0	3625.04
VE-16	09/27/00	3750.96	126.19	0	3624.77
VE-16	04/16/01	3750.96	126.37	0	3624.59
VE-16	10/29/01	3750.96	126.59	0	3624.37
VE-16	04/15/02	3750.96	126.13	0	3624.83
VE-16	10/14/02	3750.96	125.64	0	3625.32
VE-16	04/15/03	3750.96	126.22	0	3624.74

Appendix A
 Historic Fluid Level Data, May 1991 - October 2005
 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 45 of 45

Well ID	Date	Measuring Point Elevation (feet amsl)	Depth to Water (feet bmp)	Condensate Thickness (feet)	Corrected Water-Level Elevation (feet amsl)
VE-16	10/14/03	3750.96	127.27	0.01	3623.70
VE-16	04/05/04	3750.96	127.37	0	3623.59
VE-16	10/05/04	3750.96	122.73	0	3628.23
VE-16	04/19/05	3750.96	126.05	0	3624.91
VE-16	10/24/05	3750.96	125.75	0	3625.21
VE-17					
VE-17	10/29/97	3756.73	118.43	0	3638.25
VE-17	11/04/97	3756.73	117.00	0	3639.73
VE-17	11/12/97	3756.73	117.93	0	3638.80
VE-17	11/19/97	3756.73	118.13	0	3638.60
VE-17	11/24/97	3756.73	118.32	0	3638.41
VE-17	12/10/97	3756.73	118.24	0	3638.49
VE-17	02/25/98	3756.73	119.27	0	3637.46
VE-17	06/15/98	3756.73	117.27	0	3639.46
VE-17	01/05/00	3756.73	120.11	0	3636.62
VE-17	04/26/00	3756.73	120.84	0	3635.89
VE-17	09/27/00	3756.73	120.46	0	3636.27
VE-17	04/16/01	3756.73	119.54	0	3637.19
VE-17	10/29/01	3756.73	119.54	0	3637.19
VE-17	04/15/02	3756.73	119.08	0	3637.65
VE-17	10/14/02	3756.73	116.89	0	3640.04
VE-17	04/15/03	3756.73	118.41	0	3638.32
VE-17	10/14/03	3756.73	118.19	0	3638.54
VE-17	04/05/04	3756.73	118.98	0	3637.75
VE-17	10/05/04	3756.73	99.50	0	3657.23
VE-17	04/19/05	3756.73	118.27	0	3638.46
VE-17	10/24/05	3756.73	117.24	0	3639.49
VE-18					
VE-18	06/15/98	3756.82	131.71	0	3625.11
VE-18	01/05/00	3756.82	131.56	0	3625.26
VE-18	04/26/00	3756.82	131.77	0	3625.05
VE-18	09/27/00	3756.82	132.09	0	3624.73
VE-18	04/16/01	3756.82	132.25	0	3624.57
VE-18	10/29/01	3756.82	132.51	0	3624.31
VE-18	04/15/02	3756.82	132.65	0	3624.17
VE-18	10/14/02	3756.82	131.53	0	3625.29
VE-18	04/15/03	3756.82	132.09	0	3624.73
VE-18	10/14/03	3756.82	133.15	0	3623.67
VE-18	04/05/04	3756.82	133.20	0	3623.62
VE-18	10/05/04	3756.82	128.58	0	3628.24
VE-18	04/19/05	3756.82	131.91	0	3624.91
VE-18	10/24/05	3756.82	131.61	0	3625.21
VE-19					
VE-19	10/29/97	3761.18	136.05	2.05	3626.62
VE-19	11/04/97	3761.18	136.41	2.45	3626.55
VE-19	11/19/97	3761.18	140.88	2.88	3622.40
VE-19	11/24/97	3761.18	140.33	1.39	3621.86
VE-19	12/10/97	3761.18	138.56	0	3622.62
VE-19	01/06/98	3761.18	139.67	2.56	3623.37
VE-19	01/15/98	3761.18	140.90	3.4	3622.76
VE-19	01/20/98	3761.18	140.16	0.48	3621.37
VE-19	02/03/98	3761.18	136.63	0.01	3624.55
VE-19	02/10/98	3761.18	138.66	1.11	3623.33
VE-19	02/17/98	3761.18	139.83	1.89	3622.72
VE-19	02/25/98	3761.18	139.80	1.95	3622.80
VE-19	05/28/98	3761.18	133.78	0	3627.40
VE-19	06/16/98	3761.18	136.97	0	3624.21
VE-19	01/05/00	3761.18	136.37	0.46	3625.15
VE-19	04/26/00	3761.18	NR	--	--
VE-19	09/27/00	3761.18	136.93	0	3624.25
VE-19	04/16/01	3761.18	137.02	0	3624.16
VE-19	10/29/01	3761.18	137.30	0	3623.88
VE-19	04/15/02	3761.18	137.58	0.39	3623.88
VE-19	10/14/02	3761.18	135.98	0.11	3625.28
VE-19	04/15/03	3761.18	136.42	0.02	3624.77
VE-19	10/14/03	3761.18	136.50	0.20	3624.83
VE-19	04/05/04	3761.18	137.77	0	3623.41
VE-19	10/05/04	3761.18	133.09	0.0	3628.09
VE-19	04/19/05	3761.18	136.56	0.13	3624.71
VE-19	10/24/05	3761.18	135.90	0.00	3625.28
VE-20					
VE-20	06/16/98	3768.41	142.26	0	3626.15
VE-20	01/05/00	3768.41	143.31	0	3625.10
VE-20	04/26/00	3768.41	143.33	0	3625.08
VE-20	09/27/00	3768.41	143.68	0	3624.73
VE-20	04/16/01	3768.41	143.64	0	3624.77
VE-20	10/29/01	3768.41	144.15	0	3624.26
VE-20	04/15/02	3768.41	144.25	0	3624.16
VE-20	10/14/02	3768.41	142.97	0	3625.44
VE-20	04/15/03	3768.41	143.69	0	3624.72
VE-20	10/14/03	3768.41	144.81	0	3623.60
VE-20	04/05/04	3768.41	144.48	0	3623.93
VE-20	10/05/04	3768.41	140.59	0	3627.82
VE-20	04/19/05	3768.41	143.54	0	3624.87
VE-20	10/24/05	3768.41	143.21	0	3625.20

Notes:

* MW-77, MW-78, and MW 112- DTW does not agree with historical and other MOC monthly gaugings prior to and after this event - ignore this data

ARCADIS

Appendix B

Historical Analytical Data

- Historical BTEX Analytical Data
- Historical WQCC Metals and Wet Chemistry Analytical Data
- Historical PAH Analytical Data

Appendix B

Page 1 of 29

Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
BIEBBLE	05/28/91	--	--	--	<10
BIEBBLE	07/01/91	<5	--	--	--
BIEBBLE	07/19/91	--	<5	<5	--
BIEBBLE	04/01/92	<1	<1	<1	<1
BIEBBLE	07/01/92	<1	<1	<1	<1
BIEBBLE	10/01/92	<1	<1	<1	<1
BIEBBLE	01/01/93	<1	<1	<1	<1
BIEBBLE	04/15/93	<1	<1	<1	<1
BIEBBLE	07/15/93	<0.5	<0.5	<0.5	<0.5
BIEBBLE	10/14/93	<0.5	<0.5	<0.5	<0.5
BIEBBLE	01/13/94	<0.5	<0.5	<0.5	<0.5
BIEBBLE	04/05/94	<0.5	<0.5	<0.5	<0.5
BIEBBLE	07/21/94	<0.5	<0.5	<0.5	<0.5
BIEBBLE	10/06/94	<0.5	<0.5	<0.5	<0.5
BIEBBLE	01/11/95	<0.5	<0.5	<0.5	<0.5
BIEBBLE	04/07/95	<0.5	<0.5	<0.5	<0.5
BIEBBLE	07/21/95	<0.5	<0.5	<0.5	<0.5
BIEBBLE	10/12/95	<0.5	<0.5	<0.5	<0.5
BIEBBLE	01/19/96	<0.5	<0.5	<0.5	<0.5
BIEBBLE	04/17/96	<0.5	<0.5	<0.5	<0.5
BIEBBLE	07/01/96	<0.5	<0.5	<0.5	<0.5
BIEBBLE	10/01/96	<0.5	<0.5	<0.5	0.5
BIEBBLE	02/10/97	<0.5	<0.5	<0.5	<0.5
IV-2	08/01/96	<0.5	<0.5	<0.5	<0.5
LYMAN	05/28/91	--	--	--	<10
LYMAN	07/01/91	<5	--	--	--
LYMAN	07/19/91	--	<5	<5	--
LYMAN	04/01/92	<1	<1	<1	<1
LYMAN	07/01/92	<1	<1	<1	<1
LYMAN	10/01/92	<1	<1	<1	<1
LYMAN	01/01/93	<1	<1	<1	<1
LYMAN	04/15/93	<1	<1	<1	<1
LYMAN	05/12/93	<1	<1	<1	<1
LYMAN	06/28/93	<0.5	<0.5	<0.5	<0.5
LYMAN	07/15/93	<0.5	<0.5	<0.5	<0.5
LYMAN	08/03/93	<0.5	<0.5	<0.5	<0.5
LYMAN	09/21/93	<0.5	<0.5	<0.5	<0.5
LYMAN	10/14/93	<0.5	<0.5	<0.5	<0.5
LYMAN	11/10/93	<0.5	<0.5	<0.5	<0.5
LYMAN	12/06/93	<0.5	<0.5	<0.5	<0.5
LYMAN	01/12/94	<0.5	<0.5	<0.5	<0.5
LYMAN	02/09/94	<0.5	<0.5	<0.5	<0.5
LYMAN	03/16/94	<0.5	<0.5	<0.5	<0.5
LYMAN	04/05/94	<0.5	<0.5	<0.5	<0.5
LYMAN	05/19/94	<0.5	<0.5	<0.5	<0.5
LYMAN	06/23/94	<0.5	<0.5	<0.5	<0.5
LYMAN	07/21/94	<0.5	<0.5	<0.5	<0.5
LYMAN	08/24/94	<0.5	<0.5	<0.5	<0.5
LYMAN	09/20/94	<0.5	<0.5	<0.5	0.8
LYMAN	10/06/94	<0.5	<0.5	<0.5	<0.5
LYMAN	11/30/94	<0.5	<0.5	<0.5	<0.5

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Page 2 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
LYMAN	12/16/94	<0.5	<0.5	<0.5	<0.5
LYMAN	01/11/95	<0.5	<0.5	<0.5	<0.5
LYMAN	03/09/95	<0.5	<0.5	<0.5	<0.5
LYMAN	04/07/95	<0.5	<0.5	<0.5	<0.5
LYMAN	05/18/95	<0.5	<0.5	<0.5	<0.5
LYMAN	07/21/95	<0.5	<0.5	<0.5	<0.5
LYMAN	10/12/95	<0.5	<0.5	<0.5	1.6
LYMAN	12/27/95	<0.5	<0.5	<0.5	<0.5
LYMAN	01/19/96	<0.5	<0.5	<0.5	<0.5
LYMAN	03/18/96	<0.5	<0.5	<0.5	<0.5
LYMAN	04/18/96	<0.5	<0.5	<0.5	<0.5
LYMAN	07/01/96	<0.5	<0.5	<0.5	<0.5
LYMAN	10/01/96	<0.5	<0.5	<0.5	<0.5
LYMAN	02/10/97	<0.5	<0.5	<0.5	<0.5
LYMAN	01/14/98	<0.5	<0.5	<0.5	<0.5
LYMAN	04/30/98	<0.5	<0.5	<0.5	<0.5
LYMAN	06/29/98	<1	<1	<1	<1
LYMAN	12/18/00	<5	<5	<5	<10
MW-1	05/01/91	500	—	—	—
MW-1	05/28/91	—	<500	1000	<500
MW-1	09/01/91	250	—	—	—
MW-1	12/01/91	200	200	300	100
MW-10	05/01/91	5500	—	—	—
MW-10	05/28/91	—	7000	500	4500
MW-10	09/01/91	2300	—	—	—
MW-10	12/01/91	2300	<100	200	2500
MW-10	04/01/92	1840	106	<3	2415
MW-10	07/01/92	1842	101	482	2183
MW-10	10/01/92	2100	144	436	759
MW-10	01/01/94	ND	—	ND	ND
MW-10	02/11/97	<0.5	<0.5	<0.5	<0.5
MW-11	09/01/91	3000	—	—	—
MW-11	12/01/91	3800	5800	500	5200
MW-11	04/01/92	3573	2979	484	6714
MW-11	07/01/92	2199	2440	463	3693
MW-11	10/01/92	2755	1896	<3	5196
MW-11	01/01/93	2746	1821	475	4280
MW-11	10/05/94	1800	<50	450	3500
MW-11	07/21/95	95	<0.5	4.4	250
MW-11	01/20/96	1000	32	190	2800
MW-11	04/19/96	650	38	84	2800
MW-11	07/01/96	500	46	370	2300
MW-11	10/01/96	270	15	230	1600
MW-11	02/07/97	270	20	81	1400
MW-12	09/01/91	3800	—	—	—
MW-13	09/01/91	3100	—	—	—
MW-13	12/01/91	3000	750	500	3300
MW-13	04/01/92	3501	142	<3	7137
MW-13	07/01/92	2708	136	597	2247
MW-13	10/01/96	1100	520	1200	2800
MW-13	02/07/97	1300	130	690	1000

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Appendix B

Page 3 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-13	07/01/98	800	<10	640	170
MW-14	09/01/91	5100	—	—	—
MW-14	06/22/98	820	<10	840	<10
MW-14	04/18/02	116	9	<5	<5
MW-14	10/16/02	23	<5	5	<5
MW-14	04/09/03	<5	<5	<5	<5
MW-14	10/24/03	330	<5	<5	<5
MW-14	Not Sampled - Condensate Present				
MW-14	04/25/05	174	<5	<5	<15
MW-15	09/01/91	5100	—	—	—
MW-16	09/01/91	1700	—	—	—
MW-16	04/15/93	514	53	39	2134
MW-17	09/01/91	2000	—	—	—
MW-17	04/15/93	1500	58	230	2900
MW-18	09/01/91	4300	—	—	—
MW-18	04/01/92	2900	82	750	1200
MW-18	07/01/92	2700	22	600	55
MW-18	10/01/92	3300	115	870	187
MW-19	07/01/91	4900	—	—	—
MW-19	07/19/91	—	1000	1300	—
MW-19	07/30/91	—	—	—	2500
MW-19	09/01/91	4700	—	—	—
MW-19	04/01/92	3240	347	807	326
MW-19	07/01/92	3000	40	800	41
MW-19	10/01/92	2756	73	758	166
MW-19	04/15/93	3926	130	16	82
MW-19	10/01/96	140	5.9	5.2	17
MW-19	02/07/97	360	980	1100	5600
MW-20	09/01/91	110	—	—	—
MW-21	05/01/91	9	—	—	—
MW-21	05/28/91	—	9	<1	3
MW-21	09/01/91	1000	—	—	—
MW-21	12/01/91	1100	<50	<50	1000
MW-21	04/15/93	114	19	38	38
MW-22	09/01/91	4	—	—	—
MW-24	09/01/91	3400	—	—	—
MW-24	07/01/92	4353	27	55	708
MW-26	09/01/91	3100	—	—	—
MW-26	12/01/91	3000	<100	400	3700
MW-26	07/01/92	2000	48	390	1400
MW-26	10/01/92	1860	59	567	1774
MW-26	01/01/93	1708	82	399	1083
MW-26	04/15/93	861	62	600	2014
MW-28	09/01/91	2200	—	—	—
MW-31	09/01/91	<1	—	—	—
MW-31	07/01/92	332	36	11	54
MW-31	10/01/92	9	32	10	18
MW-32	09/01/91	200	—	—	—
MW-33	09/01/91	6300	—	—	—
MW-34	09/01/91	2500	—	—	—
MW-35	09/01/91	5700	—	—	—

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Appendix B

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-37	06/01/91	<25			
MW-37	06/22/91	--	<25	<25	<25
MW-37	09/01/91	150	--	--	--
MW-37	07/14/93	27	7	<3	<3
MW-38	05/01/91	500			
MW-38	05/28/91	--	<250	250	<250
MW-38	06/01/91	<10	--	--	--
MW-38	06/22/91	--	<10	<10	<10
MW-38	09/01/91	15	--	--	--
MW-38	12/01/91	15	<1	15	<1
MW-38	04/01/92	67	17	55	7
MW-38	07/01/92	37	34	25	56
MW-38	10/01/92	166	18	242	24
MW-38	10/01/96	0.6	<0.5	<0.5	0.7
MW-38	02/07/97	0.7	<0.5	<0.5	0.7
MW-39	05/01/91	<1			
MW-39	05/28/91	--	<1	11	38
MW-39	06/01/91	<1	--	--	--
MW-39	06/22/91	--	<1	<1	<1
MW-39	09/01/91	880	--	--	--
MW-39	01/01/93	14	6	<5	<5
MW-39	04/15/93	28	15	4	11
MW-39	07/15/93	24	3	<3	3
MW-39	10/14/93	19	23	<3	10
MW-39	01/13/94	<2.5	<2.5	8.4	70
MW-39	04/07/94	<0.5	<0.5	4	38
MW-39	07/20/94	<0.5	<0.5	5.9	78
MW-39	01/10/95	<5	7.1	250	80
MW-39	10/01/96	20	<0.5	<0.5	<0.5
MW-39	02/07/97	<0.5	<0.5	<0.5	<0.5
MW-39	07/18/97	<0.5	<0.5	<0.5	<0.5
MW-39	04/30/98	<0.5	<0.5	<0.5	<0.5
MW-39	07/01/98	<1	<1	<1	<1
MW-39	Not Sampled - Dry				
MW-39	Well Plugged & Abandoned				
MW-41	07/01/91	300			
MW-41	07/19/91	--	<50	350	--
MW-41	07/30/91	--	--	--	<50
MW-41	09/01/91	200	--	--	--
MW-41	12/01/91	170	30	400	<10
MW-41	07/15/93	12	<5	22	<5
MW-41	10/14/93	8.9	<0.5	17	<0.5
MW-41	01/13/94	5.3	<5	27	140
MW-41	04/06/94	0.6	<0.5	3.8	7.4
MW-41	07/20/94	1.4	31	4.9	<0.5
MW-41	10/06/94	3.2	44	0.7	90
MW-41	01/11/95	13	<5	42	23
MW-41	04/06/95	4.8	<0.5	19	33
MW-41	07/21/95	<0.5	<0.5	1.1	6.3
MW-41	10/12/95	1.8	8	2.6	18
MW-41	01/20/96	<5	10	<5	14

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Appendix B

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-41	04/19/96	1.7	9.8	5.5	6.7
MW-41	07/01/96	<0.5	6.1	3.6	1.7
MW-41	10/01/96	8.1	2.4	5.8	5.5
MW-41	02/07/97	82	6.2	7.2	9.1
MW-41	07/18/97	280	6.9	6.9	23
MW-41	04/30/98	<0.5	7.1	4.5	21
MW-41	06/28/98	41	<1	<1	<1
MW-41	04/20/99	150	<5	<5	<10
MW-42	09/01/91	<1	--	--	--
MW-42	12/01/91	<1	<1	<1	<1
MW-43	06/01/91	<10	--	--	--
MW-43	06/22/91	--	<10	15	10
MW-43	09/01/91	320	--	--	--
MW-43	07/15/93	25	17	<3	3
MW-43	10/14/93	10	11	<3	<3
MW-43	01/13/94	<0.5	<0.5	<0.5	<0.5
MW-43	04/06/94	<0.5	<0.5	1.2	14
MW-43	07/20/94	<0.5	<0.5	1.5	7.1
MW-43	10/06/94	0.8	<0.5	2.3	17
MW-43	01/11/95	3	<0.5	5.5	15
MW-43	04/06/95	0.6	<0.5	2.8	14
MW-43	07/21/95	3	4	5.8	5.9
MW-43	10/12/95	1.2	2.4	3.8	5.5
MW-43	01/20/96	1.4	3.1	6.6	5.3
MW-43	04/19/96	4.4	4.3	1.3	5.3
MW-43	07/01/96	8.2	5.7	4.4	7
MW-43	10/01/96	230	2.1	4.3	3.6
MW-43	02/07/97	64	8.1	18	28
MW-43	07/18/97	110	<1	4.1	<1
MW-43	04/30/98	29	5.8	2.8	26
MW-43	06/22/98	7.3	<1	<1	<1
MW-43	04/20/99	12	<5	<5	<10
MW-43	12/08/99	<5	11	6.2	46
MW-43	04/28/00	4.1	<1	3.6	<1
MW-43	10/02/00	<5	7.4	5.1	41
MW-43	04/19/01	<5	<5	<5	<10
MW-43	10/31/01	<5	6	<5	<10
MW-43	04/17/02	<5	<5	<5	<5
MW-43	10/16/02	<5	8	<5	<5
MW-43	04/08/03	<5	<5	<5	<5
MW-43	10/28/03	<5	<5	<5	<5
MW-43	04/08/04	<5	<5	<5	<5
MW-43	04/25/05	<5	<5	<5	<15
MW-44	06/01/91	75	--	--	--
MW-44	06/22/91	--	<25	220	<25
MW-44	09/01/91	59	--	--	--
MW-44	04/01/92	6	22	24	2
MW-44	07/01/92	97	25	102	96
MW-44	10/01/92	12	34	96	24
MW-44	01/01/93	14	18	65	<1
MW-44	04/15/93	7	15	18	14

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Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-44	07/15/93	6	16	<3	18
MW-44	10/14/93	3.6	<0.5	19	5.6
MW-44	01/13/94	12	<5	7.2	14
MW-44	04/06/94	22	<2.5	3.3	11
MW-44	07/20/94	36	<5	12	14
MW-44	10/05/94	130	<25	120	77
MW-44	01/11/95	63	<5	140	26
MW-44	04/06/95	19	2	71	16
MW-44	07/21/95	5.8	<0.5	16	5.6
MW-44	10/12/95	120	<50	240	260
MW-44	01/20/96	51	14	130	15
MW-44	04/19/96	26	11	74	6.3
MW-44	07/01/96	83	99	280	310
MW-44	10/01/96	33	2.7	20	2.6
MW-44	02/07/97	270	26	53	48
MW-44	07/18/97	750	<10	45	<10
MW-44	04/30/98	520	22	17	44
MW-44	06/22/98	440	<5	9.2	<5
MW-44	04/20/99	91	<5	16	<10
MW-45	06/01/91	<1	<1	<1	<1
MW-45	06/22/91	--	<1	<1	<1
MW-45	09/01/91	<1	--	--	--
MW-45	12/01/91	<1	<1	<1	<1
MW-45	07/15/93	<3	6	7	4
MW-45	10/14/93	<3	3	<3	3
MW-45	01/13/94	<0.5	<0.5	<0.5	<0.5
MW-45	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-45	07/20/94	<0.5	<0.5	<0.5	<0.5
MW-46	06/01/91	3200	--	--	--
MW-46	06/22/91	--	<50	900	<50
MW-46	07/01/91	300	--	--	--
MW-46	07/19/91	--	<50	250	--
MW-46	07/30/91	--	--	--	250
MW-46	09/01/91	140	--	--	--
MW-46	10/01/96	900	33	440	59
MW-46	02/11/97	3300	550	1000	1400
MW-46	05/29/97	5000	1200	230	<100
MW-46	07/18/97	6100	1900	270	130
MW-46	04/30/98	1600	41	140	290
MW-46	07/01/98	1700	<5	97	120
MW-46	04/20/99	210	<5	11	20
MW-46	12/08/99	50	43	34	129
MW-46	04/28/00	17	<1	<1	<1
MW-46	10/02/00	12	39	19	128
MW-46	04/19/01	<5	<5	<5	<10
MW-46	10/31/01	<100	<100	<100	<200
MW-46	04/17/02	<5	<5	<5	<5
MW-46	10/16/02	14	<5	<5	<5
MW-46	04/09/03	<5	<5	<5	<5
MW-46		Not Sampled - Dry			
MW-46	04/08/04	10	<5	<5	<5

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Appendix B

Page 7 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-46	04/27/05	<5	<5	<5	<15
MW-47	06/01/91	600	—	—	—
MW-47	06/22/91	—	<100	2000	2700
MW-47	09/01/91	2600	—	—	—
MW-47	12/01/91	2200	<50	<50	<50
MW-47	10/01/96	1500	59	200	250
MW-48	09/01/91	<1	—	—	—
MW-48	12/01/91	<1	5	10	<1
MW-48	07/01/92	47	18	6	18
MW-48	10/01/96	<0.5	<0.5	<0.5	1
MW-49	06/01/91	60	—	—	—
MW-49	06/22/91	—	<10	60	40
MW-49	09/01/91	35	—	—	—
MW-49	07/15/93	210	27	42	30
MW-49	10/14/93	68	26	9	20
MW-49	01/13/94	13	<5	15	110
MW-49	04/06/94	82	<0.5	11	10
MW-49	07/20/94	150	<5	32	27
MW-49	10/05/94	78	49	40	300
MW-49	01/11/95	220	<5	46	97
MW-49	04/06/95	120	<0.5	24	26
MW-49	07/21/95	17	<0.5	3.5	3.4
MW-49	10/12/95	240	<50	59	130
MW-49	01/20/96	160	130	120	570
MW-49	04/19/96	87	23	18	32
MW-49	07/01/96	370	220	190	630
MW-49	10/01/96	95	16	36	12
MW-49	02/07/97	79	66	45	160
MW-49	07/18/97	130	<1	35	9.8
MW-49	04/30/98	130	39	41	69
MW-49	07/01/98	78	<1	15	<1
MW-49	04/20/99	81	<5	32	<10
MW-49	12/08/99	32	68	58	380
MW-49	04/27/00	24	<1	12	<1
MW-49	10/02/00	35	38	18	107
MW-49	04/17/01	21	36	16	117
MW-49	10/31/01	21	<5	<5	<10
MW-49	04/17/02	19	<5	<5	<5
MW-49	10/16/02	31	<5	<5	<5
MW-49	04/08/03	71	<5	<5	<5
MW-49	10/28/03	97	<5	<5	<5
MW-49	04/08/04	76	<5	<5	<5
MW-49	04/25/05	<5	<5	<5	<15
MW-50	06/01/91	<1	—	—	—
MW-50	06/22/91	—	<1	<1	<1
MW-50	09/01/91	<1	—	—	—
MW-50	12/01/91	<1	<1	<1	<1
MW-50	04/01/92	7	18	<3	17
MW-50	07/01/92	4	167	7	11
MW-50	10/01/92	8	10	3	2
MW-50	01/01/93	8	5	<3	5

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Page 8 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-50	04/15/93	<1	<1	<1	<1
MW-50	07/15/93	<3	12	10	4
MW-50	10/14/93	9	16	<3	<3
MW-50	01/13/94	<0.5	<0.5	<0.5	<0.5
MW-50	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-50	07/20/94	<0.5	<0.5	<0.5	<0.5
MW-50	10/05/94	<0.5	<0.5	<0.5	<0.5
MW-50	01/11/95	<0.5	<0.5	<0.5	<0.5
MW-50	04/06/95	<0.5	<0.5	<0.5	<0.5
MW-50	07/21/95	<0.5	<0.5	<0.5	<0.5
MW-50	10/12/95	<0.5	<0.5	<0.5	<0.5
MW-50	01/20/96	<0.5	<0.5	<0.5	<0.5
MW-50	04/19/96	<0.5	<0.5	<0.5	<0.5
MW-50	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-50	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-50	02/07/97	<0.5	<0.5	<0.5	<0.5
MW-50	07/18/97	<1	<1	<1	<1
MW-50	04/30/98	<0.5	<0.5	<0.5	<0.5
MW-50	06/28/98	<1	<1	<1	<1
MW-50	04/20/99	<5	<5	<5	<10
MW-50	12/08/99	<5	<5	<5	<10
MW-50	05/02/00	<1	<1	<1	<1
MW-50	10/02/00	<5	<5	<5	<10
MW-50	04/17/01	<5	<5	<5	<15
MW-50	10/31/01	<5	<5	<5	<10
MW-50	04/17/02	<5	<5	<5	<5
MW-50	10/16/02	<5	<5	<5	<5
MW-50	04/09/03	<5	<5	<5	<5
MW-50	10/22/03	<5	<5	<5	<5
MW-50	04/08/04	<5	<5	<5	<5
MW-50	04/27/05	<5	<5	<5	<15
MW-51	09/01/91	800	—	—	—
MW-51	12/01/91	<1	<1	<1	<1
MW-52	09/01/91	<1	—	—	—
MW-52	07/01/92	5	31	4	5
MW-53	09/01/91	<1	—	—	—
MW-54	09/01/91	<1	—	—	—
MW-54	12/01/91	<1	<1	<1	<1
MW-54	04/01/92	10	10	<3	14
MW-54	07/01/92	8	44	23	195
MW-54	10/01/92	62	7	195	630
MW-54	01/01/93	14	4	15	113
MW-54	04/14/93	10	<3	<3	8
MW-54	07/14/93	<3	<3	<3	3
MW-54	10/14/93	17	35	16	24
MW-54	01/12/94	8.6	<0.5	7.4	<0.5
MW-54	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-54	07/20/94	15	1.2	8.5	8.7
MW-54	10/05/94	19	0.6	29	6.3
MW-54	01/10/95	<0.5	<0.5	<0.5	<0.5
MW-54	04/06/95	<0.5	<0.5	<0.5	<0.5

Notes:

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Appendix B

Page 9 of 29

Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-54	07/21/95	<0.5	<0.5	<0.5	<0.5
MW-54	10/11/95	0.7	<0.5	1.7	3
MW-54	01/20/96	<0.5	<0.5	<0.5	<0.5
MW-54	04/18/96	<0.5	<0.5	<0.5	<0.5
MW-54	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-54	10/01/96	0.9	<0.5	0.6	<0.5
MW-54	02/10/97	<0.5	<0.5	<0.5	<0.5
MW-54	07/16/97	0.9	3.2	2.1	17
MW-54	04/29/98	<0.5	<0.5	<0.5	<0.5
MW-54	06/25/98	<1	<1	<1	<1
MW-54	04/22/99	<5	<5	<5	<10
MW-54	01/06/00	<5	<5	<5	<10
MW-54	05/02/00	<1	<1	<1	<1
MW-54	10/03/00	<5	<5	<5	<10
MW-54	04/23/01	<5	<5	<5	<15
MW-54	11/01/01	<5	<5	<5	<10
MW-54	04/18/02	<5	<5	<5	<5
MW-54	10/21/02	<5	<5	<5	<5
MW-54	04/07/03	<5	<5	<5	<5
MW-54	10/27/03	<5	<5	<5	<5
MW-54	04/09/04	<5	<5	<5	<5
MW-54	04/27/05	<5	<5	<5	<15
MW-55	06/01/91	<50	--	--	--
MW-55	06/22/91	--	<50	<50	100
MW-55	09/01/91	940	--	--	--
MW-55	12/01/91	400	25	<25	25
MW-55	04/01/92	297	24	15	34
MW-55	07/01/92	483	36	64	66
MW-55	10/01/92	215	56	92	26
MW-55	01/01/93	390	68	90	32
MW-55	04/14/93	412	20	89	18
MW-55	07/14/93	625	21	8	50
MW-55	10/14/93	581	27	102	18
MW-55	01/12/94	290	<2.5	89	<2.5
MW-55	04/08/94	370	<2.5	33	<2.5
MW-55	07/20/94	360	5.5	16	120
MW-55	10/05/94	910	<5	480	<5
MW-55	01/11/95	650	<5	400	41
MW-55	04/11/95	420	<2.5	260	21
MW-55	07/20/95	350	<5	270	22
MW-55	10/11/95	100	6.1	70	15
MW-55	01/19/96	650	15	430	29
MW-55	04/18/96	370	13	310	22
MW-55	07/01/96	800	35	520	99
MW-55	10/01/96	520	32	460	84
MW-55	02/10/97	410	20	230	64
MW-55	07/16/97	140	11	110	9.2
MW-55	04/29/98	110	12	31	7.7
MW-55	06/25/98	180	<1	31	<1
MW-55	04/22/99	100	<5	13	<10
MW-55	12/09/99	90	19	15	<10

Notes:

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Appendix B

Page 10 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-55	05/02/00	68	<1	14	5.5
MW-55	10/04/00	43	10	14	<10
MW-55	04/24/01	50	<5	12	<5
MW-55	11/01/01	32	<5	10	<10
MW-55	04/24/02	43	12	<5	16
MW-55	10/17/02	40	<5	8	<5
MW-55	04/09/03	29	10	<5	<5
MW-55	10/24/03	33	<5	<5	<5
MW-55	04/09/04	17	<5	<5	<5
MW-55	04/27/05	150	5	<5	<15
MW-56	06/01/91	2100	—	—	—
MW-56	06/22/91	—	<50	2900	<50
MW-56	07/01/91	2000	—	—	—
MW-56	07/19/91	—	500	1000	—
MW-56	07/30/91	—	—	—	1000
MW-56	09/01/91	2200	—	—	—
MW-56	12/01/91	1000	2000	3000	6000
MW-56	07/01/92	1114	64	962	49
MW-56	10/01/92	1026	47	<3	839
MW-56	01/01/93	1128	40	10	804
MW-56	10/01/96	1000	23	94	92
MW-56	02/11/97	370	12	51	51
MW-57	05/28/91	—	—	—	<0.2
MW-57	06/01/91	<1	—	—	—
MW-57	06/22/91	—	1	<1	<1
MW-57	07/01/91	<1	—	—	—
MW-57	07/19/91	—	0.2	0.4	—
MW-57	09/01/91	1600	—	—	—
MW-57	12/01/91	350	<10	<10	<10
MW-57	04/01/92	127	29	<3	16
MW-57	07/01/92	948	422	112	876
MW-57	10/01/92	15	33	<3	78
MW-57	01/01/93	21	40	165	19
MW-57	04/14/93	8	21	15	16
MW-57	07/14/93	6	8	<3	<3
MW-57	10/13/93	<0.5	1.6	<0.5	1.2
MW-57	01/12/94	<0.5	<0.5	<0.5	<0.5
MW-57	04/07/94	<0.5	<0.5	<0.5	<0.5
MW-57	07/19/94	0.7	<0.5	<0.5	1.8
MW-57	10/05/94	1.1	<0.5	<0.5	4
MW-57	01/11/95	4.3	<0.5	<0.5	1.3
MW-57	04/08/95	<0.5	<0.5	<0.5	<0.5
MW-57	07/20/95	<0.5	0.8	<0.5	<0.5
MW-57	10/11/95	64	1.7	0.7	5
MW-57	01/19/96	16	1.5	1	4.2
MW-57	04/18/96	<0.5	0.9	<0.5	<0.5
MW-57	07/01/96	2.8	1	<0.5	1.4
MW-57	10/01/96	54	2.8	3.4	13
MW-57	02/10/97	<0.5	0.9	<0.5	<0.5
MW-57	07/15/97	<0.5	<0.5	<0.5	<0.5
MW-57	04/29/98	<0.5	<0.5	<0.5	0.9

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Appendix B

Page 11 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-57	06/24/98	<1	<1	<1	<1
MW-57	04/20/99	<5	<5	<5	<10
MW-57	05/04/00	<1	<1	3.4	8.8
MW-57	10/04/00	10	<5	<5	<10
MW-57	04/24/01	<5	<5	<5	<5
MW-57	04/22/02	<5	<5	<5	<5
MW-57	04/10/03	<5	<5	<5	<5
MW-57	04/08/04	<5	<5	<5	25
MW-57	04/26/05	<5	<5	<5	<15
MW-58	09/01/91	40	—	—	—
MW-58	12/01/91	90	40	20	80
MW-58	04/01/92	203	32	56	68
MW-58	07/01/92	178	58	32	44
MW-58	10/01/92	190	49	26	57
MW-58	01/01/93	192	30	23	39
MW-58	04/13/93	55	16	31	9
MW-58	07/13/93	25	42	14	13
MW-58	10/13/93	50	21	212	555
MW-58	04/05/94	<2.5	<2.5	7.4	27
MW-58	07/19/94	2	29	4.5	27
MW-58	10/06/94	6.7	<5	15	39
MW-58	04/08/95	2.2	<0.5	2.1	6.8
MW-58	10/01/96	110	320	940	10000
MW-58	01/30/98	350	23	42	96
MW-58	06/22/98	22	<1	28	35
MW-59	09/01/91	540	—	—	—
MW-59	12/01/91	420	40	240	420
MW-59	04/01/92	42	12	20	20
MW-59	07/01/92	268	45	110	232
MW-59	10/01/92	99	37	44	46
MW-59	01/01/93	26	<3	55	10
MW-59	04/13/93	10	14	12	5
MW-59	10/13/93	10	13	89	433
MW-59	04/05/94	<2.5	<2.5	3.3	25
MW-59	07/19/94	13	69	0.5	73
MW-59	10/06/94	4.1	3.7	23	37
MW-59	06/24/98	<5	<5	79	42
MW-59	05/04/00	29	<1	130	405
MW-59	10/05/00	<100	<100	490	520
MW-59	04/19/01	<5	<5	<5	<10
MW-59	04/23/02	<5	<5	<5	<5
MW-59	04/09/03	<5	<5	<5	<5
MW-59	04/08/04	<5	<5	<5	<5
MW-59	04/21/05	<5	<5	<5	<15
MW-60	05/28/91	—	—	—	<0.2
MW-60	07/01/91	<0.2	—	—	—
MW-60	07/19/91	—	<0.2	0.4	—
MW-60	09/01/91	33	—	—	—
MW-60	12/01/91	<1	<1	<1	<1
MW-60	04/01/92	5	9	<3	4
MW-60	07/01/92	17	1	<1	1

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Appendix B

Page 12 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-60	10/01/92	32	109	36	57
MW-60	01/01/93	138	4	260	6
MW-60	04/14/93	17	16	<3	12
MW-60	07/14/93	<0.5	<0.5	<0.5	<0.5
MW-60	10/13/93	<0.5	1	0.5	1
MW-60	01/12/94	<0.5	<0.5	<0.5	<0.5
MW-60	04/07/94	<0.5	<0.5	<0.5	<0.5
MW-60	07/19/94	<0.5	1.3	<0.5	3.5
MW-60	10/05/94	<0.5	0.6	0.6	4.9
MW-60	01/10/95	<0.5	<0.5	<0.5	0.6
MW-60	04/07/95	<0.5	<0.5	<0.5	<0.5
MW-60	07/19/95	<0.5	4.9	<0.5	<0.5
MW-60	10/11/95	<0.5	<0.5	<0.5	<0.5
MW-60	01/19/96	<0.5	<0.5	<0.5	<0.5
MW-60	04/18/96	<0.5	<0.5	<0.5	<0.5
MW-60	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-60	10/01/96	2.5	0.9	<0.5	<0.5
MW-60	02/09/97	<0.5	<0.5	0.5	0.8
MW-60	05/06/97	<0.5	<0.5	<0.5	<0.5
MW-60	07/15/97	<0.5	<0.5	<0.5	<0.5
MW-60	10/16/97	<0.5	<0.5	<0.5	<0.5
MW-60	01/30/98	<0.5	<0.5	<0.5	<0.5
MW-60	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-60	07/01/98	<1	<1	<1	<1
MW-60	10/12/98	<0.5	<0.5	<0.5	<0.5
MW-60	02/01/99	<0.5	<0.5	<0.5	<0.5
MW-60	04/20/99	<5	<5	<5	<10
MW-60	12/13/99	<5	<5	<5	<10
MW-60	05/01/00	<1	<1	<1	<1
MW-60	10/04/00	<5	<5	<5	<10
MW-60	04/19/01	<5	<5	<5	<10
MW-60	11/01/01	<5	<5	<5	<10
MW-60	04/23/02	<5	<5	<5	<5
MW-60	10/17/02	<5	<5	<5	<5
MW-60	04/08/03	<5	<5	<5	<5
MW-60	10/23/03	<5	<5	<5	<5
MW-60	04/08/04	<5	<5	<5	<5
MW-60	04/26/05	<5	<5	<5	<15
MW-61	09/01/91	<1	<1	<1	<1
MW-61	12/01/91	--	<1	<1	<1
MW-61	01/13/94	1.4	1	1.7	1.1
MW-61	04/07/94	<0.5	<0.5	0.5	<0.5
MW-61	07/20/94	3.2	<0.5	<0.5	0.8
MW-61	10/04/94	<5	23	14	160
MW-61	01/11/95	<0.5	0.7	2.5	0.8
MW-61	04/11/95	7	<0.5	7.8	35
MW-61	07/21/95	<0.5	<0.5	<0.5	<0.5
MW-61	10/10/95	<0.5	<0.5	<0.5	<0.5
MW-61	01/20/96	<0.5	<0.5	<0.5	<0.5
MW-61	04/18/96	<0.5	<0.5	<0.5	<0.5
MW-61	07/01/96	<0.5	<0.5	<0.5	<0.5

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Appendix B

Page 13 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-61	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-61	02/10/97	<0.5	<0.5	<0.5	<0.5
MW-61	07/17/97	<0.5	<0.5	<0.5	<0.5
MW-61	04/29/98	<0.5	<0.5	<0.5	<0.5
MW-61	06/28/98	<1	<1	<1	<1
MW-61	04/20/99	100	<5	13	<10
MW-61	04/20/99	100	<5	13	<10
MW-61	05/03/00	<1	<1	<1	<1
MW-61	10/02/00	<5	<5	<5	<10
MW-61	04/23/01	<5	<5	<5	<10
MW-61	10/31/01	<5	<5	<5	<10
MW-61	04/19/02	<5	<5	<5	<5
MW-61	10/16/02	<5	<5	<5	<5
MW-61	04/08/03	<5	<5	<5	<5
MW-61	10/22/03	<5	<5	<5	<5
MW-61	04/05/04	<5	<5	<5	<5
MW-61	04/21/05	<5	<5	<5	<15
MW-61A	05/28/91	2	1.5	0.4	0.5
MW-61A	07/01/91	2	1.5	0.4	0.5
MW-61A	07/19/91	190	10	5	75
MW-61A	09/01/91	10	7	<3	13
MW-61A	04/01/92	60	<10	3	8
MW-61A	07/01/92	470	17	<3	2351
MW-61A	10/01/92	585	82	397	2368
MW-61A	04/13/93	2821	173	817	3993
MW-61A	04/05/94	<0.5	<0.5	0.5	3.8
MW-61A	07/19/94	<0.5	<0.5	<0.5	2.5
MW-61A	10/04/94	4.8	4.5	3.7	37
MW-61A	01/10/95	16	<5	30	220
MW-61A	01/20/96	<0.5	<0.5	<0.5	0.8
MW-61A	04/19/96	<0.5	<0.5	<0.5	<0.5
MW-61A	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-61A	10/01/96	1.7	1.7	1.3	9.4
MW-61A	02/06/97	42	3.4	8.4	46
MW-61A	05/07/97	330	59	<25	850
MW-61A	06/27/97	22	11	-5.4	26
MW-61A	07/15/97	16	<10	10	93
MW-61A	10/15/97	35	13	22	95
MW-61A	01/29/98	15	16	26	130
MW-61A	04/29/98	7.1	9.5	24	93
MW-61A	06/28/98	1.5	<1	7.9	20
MW-61A	10/11/98	4.5	22	15	61
MW-61A	02/01/99	<0.5	<0.5	12	54
MW-61A	04/20/99	<5	<5	15	40
MW-61A	12/16/99	<5	6.3	<5	26.7
MW-61A	05/03/00	<1	<1	<1	1.5
MW-61A	10/02/00	<5	<5	<5	<10
MW-61A	04/18/01	<5	<5	<5	<15
MW-61A	10/31/01	<5	<5	<5	<10

Notes:

Concentrations listed in micrograms per liter (ug/L)

<5 Constituent not detected above noted laboratory detection limit

-- Indicates parameter was not analyzed

Appendix B

Page 14 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-61A	04/19/02	<5	<5	<5	<5
MW-61A	10/16/02	<5	<5	<5	<5
MW-61A	04/08/03	<5	<5	<5	<5
MW-61A	10/22/03	<5	<5	<5	<5
MW-61A	04/05/04	<5	<5	<5	<5
MW-61A	04/21/05	<5	<5	<5	<15
MW-62	09/01/91	2200	—	—	—
MW-62	12/01/91	1400	<200	400	2400
MW-62	04/01/92	263	48	170	298
MW-62	07/01/92	357	13	184	301
MW-62	10/01/92	212	19	416	1692
MW-62	01/01/93	78	18	—	207
MW-62	04/13/93	33	15	16	24
MW-62	07/14/93	98	12	70	204
MW-62	10/13/93	19	20	20	32
MW-62	01/11/94	4.1	<2.5	13	44
MW-62	04/05/94	<2.5	<2.5	4.4	26
MW-62	07/19/94	4.3	32	7.5	26
MW-62	10/06/94	13	13	11	39
MW-62	04/08/95	7.5	30	12	30
MW-62	07/18/97	20	19	58	210
MW-62	06/26/98	<10	<10	41	56
MW-62	04/21/99	<5	<5	18	20
MW-62	05/03/00	4.5	1.5	3.3	16.7
MW-62	10/05/00	14	<5	6	35
MW-62	04/20/01	<5	8.3	<5	24
MW-62	04/22/02	<5	<5	<5	<5
MW-62	04/10/03	8	<5	<5	<5
MW-62	04/08/04	<5	<5	<5	<5
MW-62	04/21/05	9	<5	<5	<15
MW-63	09/01/91	<1	—	—	—
MW-63	12/01/91	<1	<1	<1	<1
MW-63	04/01/92	5	6	<3	8
MW-63	07/01/92	12	28	3	20
MW-63	10/01/92	4	7	17	33
MW-63	01/01/93	12	4	<3	13
MW-63	04/13/93	<1	<1	<1	<1
MW-63	07/13/93	4	<3	<3	<3
MW-63	10/12/93	14	48	11	39
MW-63	01/11/94	<0.5	0.7	<0.5	0.7
MW-63	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-63	07/18/94	1	9.6	1.4	13
MW-63	10/04/94	<0.5	2.6	1	8
MW-63	01/09/95	<0.5	<0.5	<0.5	<0.5
MW-63	04/07/95	<0.5	<0.5	<0.5	<0.5
MW-63	07/18/95	<0.5	1	<0.5	<0.5
MW-63	10/10/95	<0.5	<0.5	<0.5	<0.5
MW-63	01/18/96	<0.5	<0.5	<0.5	<0.5
MW-63	04/17/96	<0.5	<0.5	<0.5	<0.5
MW-63	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-63	10/01/96	<0.5	<0.5	<0.5	<0.5

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Page 15 of 29

Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-63	02/05/97	<0.5	<0.5	<0.5	<0.5
MW-63	07/15/97	<0.5	<0.5	<0.5	<0.5
MW-63	10/15/97	<0.5	<0.5	<0.5	<0.5
MW-63	06/25/98	<1	<1	<1	<1
MW-63	10/11/98	<0.5	<0.5	<0.5	<0.5
MW-63	04/22/99	<5	<5	<5	<10
MW-63	04/27/00	<1	<1	<1	<1
MW-63	10/03/00	<5	<5	<5	<10
MW-63	04/24/01	<5	<5	<5	<15
MW-63	04/18/02	<5	<5	<5	<5
MW-63	04/10/03	<5	<5	<5	<5
MW-63	04/08/04	<5	<5	<5	<5
MW-63	04/26/05	<5	<5	<5	<15
MW-64	09/01/91	150	--	--	--
MW-64	12/01/91	130	<10	40	160
MW-64	04/01/92	245	32	82	331
MW-64	07/01/92	115	19	10	40
MW-64	10/01/92	37	61	<3	96
MW-64	01/01/93	6	2	1	4
MW-64	04/13/93	5	11	5	9
MW-64	07/13/93	2	<0.5	<0.5	<0.5
MW-64	10/13/93	18	12	3	71
MW-64	11/10/93	<4	<4	<4	<4
MW-64	01/12/94	1.7	<0.5	<0.5	0.9
MW-64	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-64	07/19/94	<0.5	0.5	<0.5	3.6
MW-64	10/05/94	<0.5	0.5	0.6	5.6
MW-64	01/10/95	12	<0.5	5.1	13
MW-64	04/07/95	18	<0.5	18	41
MW-64	07/19/95	17	1.1	9.8	23
MW-64	10/11/95	25	1.7	13	32
MW-64	01/19/96	14	2.2	9.3	23
MW-64	04/18/96	10	2	4.3	7.9
MW-64	07/16/97	84	<25	130	310
MW-64	06/23/98	<1	<1	<1	<1
MW-64	04/21/99	<5	<5	<5	<10
MW-64	12/13/99	<5	<5	<5	<10
MW-64	05/03/00	<1	<1	<1	<1
MW-64	10/04/00	<5	<5	<5	<10
MW-64	04/20/01	<5	<5	<5	<10
MW-64	11/05/01	<5	<5	<5	<10
MW-64	04/22/02	<5	<5	<5	<5
MW-64	10/17/02	<5	<5	<5	<5
MW-64	04/08/03	<5	<5	<5	<5
MW-64	10/22/03	<5	<5	<5	<5
MW-64	04/07/04	<5	<5	<5	<5
MW-64	04/20/05	<5	<5	<5	<15
MW-65	09/01/91	<1	--	--	--
MW-65	12/01/91	--	<1	<1	<1
MW-65	07/15/93	<3	6	<3	3
MW-65	10/05/94	<0.5	<0.5	<0.5	<0.5

Notes:

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Appendix B

Page 16 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-65	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-65	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-65	02/11/97	<0.5	<0.5	<0.5	<0.5
MW-65	05/07/97	<0.5	<0.5	<0.5	<0.5
MW-65	04/30/98	<0.5	<0.5	<0.5	<0.5
MW-65	12/09/99	<5	<5	<5	<10
MW-65	10/02/00	<5	<5	<5	<10
MW-65	04/20/01	<5	<5	<5	<10
MW-65	11/01/01	<5	<5	<5	<10
MW-65	10/16/02	<5	<5	<5	<5
MW-65	04/11/03	<5	<5	<5	<5
MW-65	Not Sampled - Dry				
MW-65	04/07/04	<5	<5	<5	<5
MW-65A	09/01/91	680	--	--	--
MW-65A	12/01/91	150	15	<1	15
MW-65A	04/01/92	26	15	<3	12
MW-65A	07/01/92	413	235	93	551
MW-65A	10/01/92	11	<3	<3	67
MW-65A	01/01/93	3	<3	<3	11
MW-65A	04/13/93	4	9	3	8
MW-65A	07/13/93	<3	3	<3	<3
MW-65A	10/13/93	7	3	<3	<3
MW-65A	01/11/94	<0.5	<0.5	<0.5	<0.5
MW-65A	04/05/94	<0.5	<0.5	<0.5	<0.5
MW-65A	07/19/94	<0.5	<0.5	<0.5	<0.5
MW-65A	10/06/94	1.7	<0.5	<0.5	<0.5
MW-65A	01/11/95	<0.5	<0.5	<0.5	0.7
MW-65A	04/08/95	<0.5	<0.5	<0.5	0.5
MW-65A	01/20/96	<0.5	<0.5	<0.5	<0.5
MW-65A	04/18/96	<0.5	<0.5	<0.5	2
MW-65A	06/25/98	<1	<1	16	415
MW-66	09/01/91	<1	--	--	--
MW-66	12/01/91	<1	<1	<1	<1
MW-66	04/01/92	4	7	<3	4
MW-66	07/01/92	8	25	7	11
MW-66	10/01/92	12	36	<3	34
MW-66	01/01/93	3	6	3	20
MW-66	04/13/93	<3	5	5	<3
MW-66	07/13/93	8	4	<3	<3
MW-66	10/12/93	13	60	4	29
MW-66	11/10/93	<4	<4	<4	<4
MW-66	01/11/94	<0.5	<0.5	<0.5	0.6
MW-66	04/07/94	<0.5	<0.5	<0.5	<0.5
MW-66	07/19/94	<0.5	0.6	<0.5	0.8
MW-66	10/04/94	<0.5	3	1.5	17
MW-66	01/09/95	<0.5	<0.5	<0.5	<0.5
MW-66	04/11/95	<0.5	<0.5	<0.5	<0.5
MW-66	07/19/95	<0.5	0.9	<0.5	<0.5
MW-66	10/10/95	<0.5	<0.5	<0.5	3.5
MW-66	01/19/96	<0.5	<0.5	<0.5	<0.5
MW-66	04/17/96	<0.5	0.8	<0.5	1

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Page 17 of 29

Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-66	07/01/96	<0.5	<0.5	<0.5	0.5
MW-66	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-66	02/05/97	<0.5	<0.5	<0.5	<0.5
MW-66	05/06/97	<0.5	<0.5	<0.5	<0.5
MW-66	07/16/97	<0.5	<0.5	<0.5	<0.5
MW-66	10/15/97	<0.5	<0.5	<0.5	<0.5
MW-66	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-66	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-66	06/17/98	<1	1.6	<1	<1
MW-66	10/11/98	<0.5	<0.5	<0.5	<0.5
MW-66	02/01/99	<0.5	<0.5	<0.5	<0.5
MW-66	04/21/99	<5	<5	<5	<10
MW-66	12/10/99	<5	<5	<5	<10
MW-66	04/27/00	<1	<1	<1	<1
MW-66	10/05/00	<5	<5	<5	<10
MW-66	04/18/01	<5	<5	<5	<15
MW-66	11/01/01	<5	<5	<5	<10
MW-66	04/19/02	<5	<5	<5	<5
MW-66	10/16/02	<5	<5	<5	<5
MW-66	04/08/03	<5	<5	<5	<5
MW-66	10/22/03	<5	<5	<5	<5
MW-66	04/06/04	<5	<5	<5	<5
MW-66	04/21/05	<5	<5	<5	<15
MW-67	09/01/91	280			
MW-67	12/01/91	320	<10	<10	<10
MW-67	04/01/92	5	8	<3	12
MW-67	07/01/92	69	10	20	116
MW-67	10/01/92	3	9	<3	73
MW-67	01/01/93	8	3	<3	12
MW-67	04/13/93	7	18	7	19
MW-67	07/13/93	7	<3	<3	<3
MW-67	10/13/93	<0.5	0.9	<0.5	1.1
MW-67	01/12/94	<0.5	<0.5	<0.5	<0.5
MW-67	04/07/94	<0.5	<0.5	<0.5	<0.5
MW-67	07/19/94	<0.5	0.6	<0.5	3
MW-67	10/05/94	<0.5	<0.5	<0.5	4.3
MW-67	01/11/95	1	<0.5	<0.5	1.1
MW-67	04/07/95	1.8	<0.5	<0.5	1.3
MW-67	07/21/95	<0.5	<0.5	<0.5	0.6
MW-67	10/11/95	6.1	1.8	0.5	4.2
MW-67	01/19/96	4.8	3.6	0.6	4.7
MW-67	04/18/96	3.4	0.9	<0.5	2.5
MW-67	07/01/96	95	110	28	280
MW-67	02/10/97	15	4.8	1.9	41
MW-67	07/16/97	160	330	110	1200
MW-67	06/24/98	1.3	2.7	3.5	45.3
MW-67	04/22/99	<5	<5	<5	<10
MW-67	05/02/00	<1	<1	<1	13.4
MW-67	10/04/00	<5	<5	<5	<10
MW-67	04/19/01	<5	<5	<5	<10
MW-67	11/05/01	<5	<5	<5	<10

Notes:

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Appendix B

Page 18 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-67	04/22/02	<5	<5	<5	<5
MW-67	10/17/02	6	<5	<5	<5
MW-67	04/11/03	<5	<5	<5	<5
MW-67	10/22/03	<5	<5	<5	<5
MW-67	04/06/04	<5	<5	<5	<5
MW-67	04/20/05	<5	<5	<5	<15
MW-68	09/01/91	240			
MW-68	12/01/91	1900	4500	500	4000
MW-68	04/01/92	2470	3370	550	3866
MW-68	07/01/92	160	267	49	746
MW-68	10/01/92	2205	3327	<3	4721
MW-68	01/01/93	376	944	246	2376
MW-68	04/13/93	650	1900	330	4000
MW-68	07/13/93	150	230	110	1100
MW-68	10/13/93	374	628	286	2398
MW-68	01/11/94	3000	820	1000	7700
MW-68	04/05/94	120	61	170	1300
MW-68	07/19/94	260	170	220	2000
MW-68	10/17/97	740	100	490	3800
MW-68	06/26/98	390	26	140	990
MW-69	09/01/91	2400			
MW-69	12/01/91	2100	1100	150	4200
MW-69	07/01/92	568	56	1785	1966
MW-69	10/01/92	1598	71	<3	2879
MW-69	01/01/93	1284	49	309	1931
MW-69	07/18/97	930	23	410	1100
MW-69	04/30/98	970	22	500	530
MW-69	06/29/98	1200	<10	520	510
MW-69	Not Sampled - Condensate Present				
MW-69	Not Sampled - Condensate Present				
MW-69	Not Sampled - Condensate Present				
MW-69	10/18/02	80	<20	40	<20
MW-69	Not Sampled - Condensate Present				
MW-69	Not Sampled - Condensate Present				
MW-69	Not Sampled - Condensate Present				
MW-69	04/21/05	<5	<5	<5	<15
MW-70	09/01/91	<1			
MW-70	12/01/91	<1	<1	<1	<1
MW-70	04/01/92	3	17	<3	8
MW-70	07/01/92	<1	3	1	13
MW-70	10/01/92	11	40	63	60
MW-70	01/01/93	<3	<3	8	5
MW-70	04/14/93	9	20	<3	4
MW-70	07/13/93	<1	11	3	<3
MW-70	10/12/93	25	19	19	18
MW-70	11/10/93	<4	<4	<4	40
MW-70	01/11/94	<0.5	0.6	<0.5	<0.5
MW-70	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-70	07/18/94	<0.5	<0.5	<0.5	<0.5
MW-70	10/04/94	1.2	4.3	1.3	12
MW-70	01/09/95	<0.5	2.3	<0.5	2.4

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Appendix B

Page 19 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-70	04/05/95	<0.5	<0.5	<0.5	1.1
MW-70	07/18/95	<0.5	0.8	<0.5	<0.5
MW-70	10/10/95	<0.5	<0.5	<0.5	<0.5
MW-70	01/18/96	<0.5	<0.5	<0.5	<0.5
MW-70	04/17/96	<0.5	<0.5	<0.5	<0.5
MW-70	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-70	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-70	02/05/97	<0.5	<0.5	<0.5	<0.5
MW-70	10/15/97	<0.5	<0.5	<0.5	<0.5
MW-70	06/16/98	<1	<1	<1	<1
MW-70	04/22/99	<5	<5	<5	<10
MW-70	04/28/00	<1	<1	<1	<1
MW-70	10/03/00	<5	<5	<5	<10
MW-70	04/24/01	<5	<5	<5	<15
MW-70	04/18/02	<5	<5	<5	<5
MW-70	04/06/03	<5	<5	<5	<5
MW-70	04/12/04	<5	<5	<5	<5
MW-70	04/26/05	<5	<5	<5	<15
MW-71	09/01/93	<4	<4	<4	<4
MW-71	10/12/93	8	5	4	16
MW-71	11/10/93	<4	<4	<4	<4
MW-71	01/11/94	<0.5	1.3	<0.5	0.5
MW-71	04/06/94	<0.5	<0.5	<0.5	<0.5
MW-71	07/18/94	<0.5	3	0.7	6.2
MW-71	10/04/94	1.1	6.8	2.7	31
MW-71	01/10/95	<0.5	<0.5	<0.5	<0.5
MW-71	06/23/95	<0.5	66	<0.5	<0.5
MW-71	07/18/95	<0.5	1.2	<0.5	1.9
MW-71	10/10/95	<0.5	<0.5	<0.5	7.3
MW-71	01/18/96	<0.5	<0.5	<0.5	<0.5
MW-71	04/17/96	<0.5	<0.5	<0.5	<0.5
MW-71	07/01/96	<0.5	<0.5	<0.5	<0.5
MW-71	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-71	02/09/97	5.2	1.3	0.8	1.3
MW-71	05/06/97	<0.5	<0.5	<0.5	<0.5
MW-71	07/17/97	<0.5	<0.5	<0.5	<0.5
MW-71	10/16/97	<0.5	<0.5	<0.5	<0.5
MW-71	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-71	04/29/98	<0.5	<0.5	<0.5	<0.5
MW-71	06/28/98	<1	<1	<1	<1
MW-71	10/11/98	<0.5	<0.5	<0.5	<0.5
MW-71	02/01/99	<0.5	<0.5	<0.5	<0.5
MW-71	04/21/99	<5	<5	<5	<10
MW-71	12/10/99	<5	<5	<5	<10
MW-71	04/28/00	<1	<1	<1	<1
MW-71	10/02/00	<5	<5	<5	<10
MW-71	04/18/01	<5	<5	<5	<15
MW-71	10/31/01	<5	<5	<5	<10
MW-71	04/23/02	<5	<5	<5	<5
MW-71	10/16/02	<5	<5	<5	<5
MW-71	04/08/03	<5	<5	<5	<5

Notes:

Concentrations listed in micrograms per liter (ug/L)

<5 Constituent not detected above noted laboratory detection limit

-- Indicates parameter was not analyzed

Appendix B

Page 20 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-71	10/21/03	<5	<5	<5	<5
MW-71	04/06/04	<5	<5	<5	<5
MW-71	04/21/05	<5	<5	<5	<15
MW-72	04/05/94	<2.5	<2.5	4.7	15
MW-72	07/19/94	18	<0.5	5.1	2.8
MW-72	06/30/98	56	<10	100	<10
MW-73	06/30/98	1.1	<1	<1	<1
MW-73	12/14/99	5.7	<5	<5	8.9
MW-73	05/04/00	<1	<1	<1	<1
MW-73	10/05/00	<5	<5	<5	<10
MW-73	04/23/01	<5	<5	<5	<5
MW-73	11/01/01	<5	<5	<5	<10
MW-73	04/24/02	<5	<5	<5	<5
MW-73	10/21/02	<5	<5	<5	<5
MW-73	04/09/03	<5	<5	<5	<5
MW-73	10/24/03	<5	<5	<5	<5
MW-73	04/09/04	<5	<5	<5	<5
MW-73	04/21/05	<5	<5	<5	<15
MW-74	07/18/97	180	320	180	1900
MW-74	06/24/98	220	<10	10	<10
MW-74	12/14/99	100	3900	990	6700
MW-74	05/04/00	<1	19	40	110
MW-74	10/05/00	<5	140	66	1320
MW-74	04/24/01	<100	<100	<100	<100
MW-74	11/01/01	<50	<50	<50	<100
MW-74	04/24/02	7	<5	<5	<5
MW-74	Not Sampled - Condensate Present				
MW-74	04/10/03	<5	<5	<5	<5
MW-74	10/23/03	<5	<5	<5	<5
MW-74	04/09/04	<5	<5	<5	<5
MW-74	04/21/05	11	<5	<5	<15
MW-75	06/30/98	200	<10	89	270
MW-76	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-76	06/29/98	<1	<1	<1	<1
MW-77	07/21/95	<0.5	<0.5	1.9	2.8
MW-77	01/20/96	<0.5	3.1	<0.5	7.1
MW-77	04/19/96	<0.5	3.8	0.8	2.5
MW-77	07/01/96	8	14	19	35
MW-77	10/01/96	160	320	150	1000
MW-77	05/07/97	8.4	70	8.3	52
MW-77	07/18/97	14	30	11	71
MW-77	12/09/99	<5	<5	<5	<10
MW-77	10/03/00	<5	<5	<5	24
MW-77	Not Sampled - Condensate Present				
MW-77	Not Sampled - Dry				
MW-77	10/21/02	<5	<5	<5	<5
MW-77	04/10/03	<5	<5	<5	<5
MW-77	10/24/03	<5	<5	<5	<5
MW-77	04/07/04	<5	<5	<5	<5
MW-77	04/27/05	<5	<5	<5	<15
MW-78	10/01/96	32	15	9.1	35

Notes:

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Appendix B

Page 21 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-78	02/10/97	41	7.9	7.4	12
MW-78	05/07/97	20	42	12	23
MW-78	07/17/97	8.2	10	6.6	16
MW-78	04/30/98	1.4	4.9	2	7.7
MW-78	06/28/98	<1	<1	<1	<1
MW-78	04/22/99	<5	<5	<5	<10
MW-78	12/09/99	<5	44	55	420
MW-78	10/05/00	<25	<25	<25	96
MW-78	Not Sampled - Condensate Present				
MW-78	11/02/01	<5	<5	<5	<10
MW-78	04/22/02	<5	<5	<5	<5
MW-78	10/01/02	<5	<5	<5	<5
MW-78	04/10/03	<5	<5	<5	<5
MW-78	10/24/03	<5	<5	<5	<5
MW-78	04/10/04	<5	<5	<5	<5
MW-78	04/27/05	<5	<5	<5	<15
MW-79	01/11/95	110	<5	8.5	61
MW-79	04/06/95	14	<0.5	10	53
MW-79	07/21/95	<5	74	7.7	62
MW-79	10/10/95	16	4	<2.5	3.7
MW-79	01/18/96	10	6.7	1.4	4.9
MW-79	04/19/96	2.4	7.3	1	2.7
MW-79	07/01/96	3.2	6.3	0.9	6.3
MW-79	10/01/96	1.7	5.8	1	4.2
MW-79	02/10/97	<0.5	<0.5	<0.5	<0.5
MW-79	05/07/97	<0.5	<0.5	<0.5	<0.5
MW-79	07/17/97	<0.5	<0.5	<0.5	<0.5
MW-79	04/29/98	<0.5	1.5	<0.5	1.1
MW-79	06/28/98	<1	<1	<1	<1
MW-79	04/22/99	<5	<5	<5	<10
MW-79	12/09/99	<5	<5	<5	<10
MW-79	05/02/00	<1	<1	<1	<1
MW-79	04/19/01	<5	<5	<5	<10
MW-79	11/01/01	<5	<5	<5	<10
MW-79	04/17/02	<5	<5	<5	<5
MW-79	10/18/02	<5	<5	<5	<5
MW-79	Not Sampled - Dry				
MW-79	Not Sampled - Dry				
MW-79	Not Sampled - Dry				
MW-81	06/29/98	<1	<1	<1	1.5
MW-82	10/11/95	280	<50	450	910
MW-82	06/25/98	70	<5	75	510
MW-83	06/25/98	<10	<10	16	31
MW-84	06/23/98	93	13	55	458
MW-85	06/23/98	280	<5	120	63
MW-86	10/17/97	510	360	580	1400
MW-86	06/26/98	91	10	28	360
MW-87	08/01/96	<0.5	20	<0.5	0.5
MW-87	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-87	02/09/97	<0.5	<0.5	<0.5	<0.5
MW-87	05/06/97	<0.5	<0.5	<0.5	<0.5

Notes:

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Appendix B

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-87	10/16/97	<0.5	<0.5	<0.5	<0.5
MW-87	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-87	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-87	06/27/98	<1	<1	<1	<1
MW-87	10/12/98	<0.5	<0.5	<0.5	<0.5
MW-87	02/02/99	<0.5	<0.5	<0.5	<0.5
MW-87	04/20/99	<5	<5	<5	<10
MW-87	12/13/99	<5	<5	<5	<10
MW-87	05/01/00	<1	<1	<1	<1
MW-87	10/04/00	<5	<5	<5	<10
MW-87	04/19/01	<5	<5	<5	<10
MW-87	11/01/01	<5	<5	<5	<10
MW-87	04/23/02	<5	<5	<5	<5
MW-87	10/17/02	<5	<5	<5	<5
MW-87	04/08/03	<5	<5	<5	<5
MW-87	10/23/03	<5	<5	<5	<5
MW-87	04/21/05	<5	<5	<5	<15
MW-87A	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-87A	02/09/97	0.9	<0.5	0.7	1.5
MW-87A	05/07/97	<0.5	<0.5	<0.5	<0.5
MW-87A	10/16/97	<0.5	<0.5	<0.5	<0.5
MW-87A	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-87A	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-87A	06/27/98	<1	<1	<1	<1
MW-87A	02/02/99	<0.5	<0.5	<0.5	<0.5
MW-87A	04/20/99	<5	<5	<5	<10
MW-87A	12/13/99	<5	<5	<5	<10
MW-87A	05/01/00	<1	<1	<1	<1
MW-87A	10/03/00	<5	<5	<5	<10
MW-87A	04/19/01	<5	<5	<5	<10
MW-87A	11/01/01	<5	<5	<5	<10
MW-87A	04/23/02	<5	<5	<5	<5
MW-87A	10/17/02	<5	<5	<5	<5
MW-87A	04/08/03	<5	<5	<5	<5
MW-87A	10/23/03	<5	<5	<5	<5
MW-87A	04/07/04	<5	<5	<5	<5
MW-87A	04/26/05	<5	<5	<5	<15
MW-88	08/01/96	<0.5	<0.5	<0.5	<0.5
MW-88	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-88	02/05/97	<0.5	<0.5	<0.5	<0.5
MW-88	04/30/97	<0.5	<0.5	<0.5	<0.5
MW-88	10/15/97	<0.5	<0.5	<0.5	<0.5
MW-88	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-88	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-88	06/27/98	<1	<1	<1	<1
MW-88	10/11/98	<0.5	<0.5	<0.5	<0.5
MW-88	02/01/99	1.6	1.8	1.6	4.8
MW-88	04/21/99	<5	<5	<5	<10
MW-88	12/10/99	<5	<5	<5	<10
MW-88	04/28/00	<1	<1	<1	<1
MW-88	10/02/00	<5	<5	<5	<5

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-88	04/17/01	<5	<5	<5	<15
MW-88	10/31/01	<5	<5	<5	<10
MW-88	04/19/02	<5	<5	<5	<5
MW-88	10/16/02	<5	<5	<5	<5
MW-88	04/08/03	<5	<5	<5	<5
MW-88	10/21/03	<5	<5	<5	<5
MW-88	04/06/04	<5	<5	<5	<5
MW-88	04/21/05	<5	<5	<5	<15
MW-89	08/01/96	<0.5	<0.5	<0.5	<0.5
MW-89	10/01/96	<0.5	<0.5	<0.5	<0.5
MW-89	02/05/97	<0.5	<0.5	<0.5	<0.5
MW-89	04/30/97	<0.5	<0.5	<0.5	<0.5
MW-89	10/15/97	<0.5	<0.5	<0.5	<0.5
MW-89	01/29/98	<0.5	<0.5	<0.5	<0.5
MW-89	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-89	06/17/98	<1	<1	<1	<1
MW-89	02/01/99	11	1.3	<0.5	<0.5
MW-89	04/21/99	<5	<5	<5	<10
MW-89	12/10/99	<5	<5	<5	<10
MW-89	04/27/00	<1	<1	<1	<1
MW-89	10/05/00	<5	<5	<5	<10
MW-89	04/18/01	<5	<5	<5	<10
MW-89	11/02/01	<5	<5	<5	<10
MW-89	04/19/02	<5	<5	<5	<5
MW-89	10/16/02	<5	<5	<5	<5
MW-89	04/07/03	<5	<5	<5	<5
MW-89	10/22/03	<5	<5	<5	<5
MW-89	04/06/04	<5	<5	<5	<5
MW-89	04/21/05	<5	<5	<5	<15
MW-90	02/10/97	17	0.5	15	14
MW-90	05/07/97	1.1	0.5	0.5	<0.5
MW-90	07/17/97	<0.5	<0.5	<0.5	<0.5
MW-90	04/29/98	<0.5	<0.5	<0.5	<0.5
MW-90	06/17/98	<1	<1	<1	<1
MW-90	04/23/99	<5	<5	<5	<10
MW-90	12/09/99	<5	<5	<5	<10
MW-90	05/02/00	<1	<1	<1	<1
MW-90	10/03/00	<5	<5	<5	<10
MW-90	04/24/01	82	9.3	65	140
MW-90	11/01/01	<5	<5	<5	<10
MW-90	04/18/02	<5	<5	<5	<5
MW-90	10/17/02	<5	<5	<5	<5
MW-90	04/06/03	<5	<5	<5	<5
MW-90	10/23/03	<5	<5	<5	<5
MW-90	04/13/04	<5	<5	<5	<5
MW-90	04/21/05	<5	<5	<5	<15
MW-91	02/11/97	340	14	50	55
MW-91	04/30/98	17	32	19	200
MW-91	04/23/99	19	<5	8	<10
MW-91	12/09/99	140	15	5.2	19
MW-91	10/03/00	<5	6.7	<5	35

Notes:

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Appendix B

Page 24 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-91	04/20/01	40.6	16.4	<5	<10
MW-91	11/01/01	<200	<200	<200	<500
MW-91	04/18/02	36	<5	<5	<5
MW-91	10/18/02	16	<5	5	<5
MW-91	04/06/03	59	<5	5	<5
MW-91	10/23/03	<5	<5	<5	<5
MW-91	04/13/04	20	<5	<5	<5
MW-91	04/25/05	<5	<5	<5	<15
MW-94	10/17/97	<0.5	<0.5	<0.5	<0.5
MW-94	06/26/98	<1	<1	<1	<1
MW-94	04/22/99	<5	<5	<5	<10
MW-94	05/03/00	<1	<1	<1	<1
MW-94	10/05/00	<5	<5	<5	<10
MW-94	04/24/01	<5	<5	<5	<15
MW-94	04/24/02	<5	<5	<5	<5
MW-94	04/07/03	<5	<5	<5	<5
MW-94	04/09/04	<5	<5	<5	<5
MW-94	04/26/05	<5	<5	<5	<15
MW-95	04/30/97	<0.5	<0.5	<0.5	<0.5
MW-95	01/30/98	<0.5	<0.5	<0.5	<0.5
MW-95	06/22/98	<1	<1	<1	<1
MW-95	04/22/99	<5	<5	<5	<10
MW-95	12/14/99	<5	<5	<5	<10
MW-95	05/02/00	<1	<1	<1	<1
MW-95	04/24/01	<5	<5	<5	<15
MW-95	11/06/01	<5	<5	<5	<10
MW-95	04/23/02	<5	<5	<5	<5
MW-95	10/17/02	<5	<5	<5	<5
MW-95	04/09/03	<5	<5	<5	<5
MW-95	10/23/03	<5	<5	<5	<5
MW-95	04/12/04	<5	<5	<5	<5
MW-95	04/20/05	<5	<5	<5	<15
MW-96	04/30/97	<0.5	<0.5	<0.5	<0.5
MW-96	10/16/97	<0.5	<0.5	<0.5	<0.5
MW-96	01/30/98	<0.5	<0.5	<0.5	<0.5
MW-96	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-96	07/01/98	<1	<1	<1	<1
MW-96	10/12/98	<0.5	<0.5	<0.5	<0.5
MW-96	02/02/99	<0.5	<0.5	<0.5	<0.5
MW-96	04/22/99	<5	<5	<5	<10
MW-96	12/14/99	<5	<5	<5	<10
MW-96	05/01/00	<1	<1	<1	<1
MW-96	10/04/00	<5	<5	<5	<10
MW-96	04/19/01	<5	<5	<5	<10
MW-96	11/01/01	<5	<5	<5	<10
MW-96	04/22/02	<5	<5	<5	<5
MW-96	10/17/02	<5	<5	<5	<5
MW-96	04/10/03	<5	<5	<5	<5
MW-96	10/22/03	<5	<5	<5	<5
MW-96	04/06/04	<5	<5	<5	<5
MW-96	04/20/05	<5	<5	<5	<15

Notes:

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Appendix B
Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 25 of 29

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-97	04/30/97	<0.5	<0.5	<0.5	<0.5
MW-97	10/17/97	<0.5	<0.5	<0.5	<0.5
MW-97	01/30/98	<0.5	<0.5	<0.5	<0.5
MW-97	04/28/98	<0.5	<0.5	<0.5	<0.5
MW-97	07/01/98	<1	<1	<1	<1
MW-97	10/12/98	<2.5	<2.5	<2.5	<2.5
MW-97	02/02/99	<0.5	<0.5	<0.5	<0.5
MW-97	04/22/99	<5	<5	<5	<10
MW-97	12/14/99	<5	<5	<5	<10
MW-97	05/02/00	<1	<1	<1	<1
MW-97	10/04/00	<5	<5	<5	<10
MW-97	04/19/01	<5	<5	<5	<10
MW-97	11/01/01	<5	<5	<5	<10
MW-97	04/22/02	<5	<5	<5	<5
MW-97	10/17/02	<5	<5	<5	<5
MW-97	04/09/03	<5	<5	<5	<5
MW-97	10/21/03	<5	<5	<5	<5
MW-97	04/06/04	<5	<5	<5	<5
MW-97	04/20/05	<5	<5	<5	<15
MW-98	04/30/97	5.8	3.5	1.5	26
MW-98	06/29/98	<1	7.1	20	1010
MW-98	12/15/99	<5	13.2	<5	63.1
MW-98	05/02/00	<1	<1	<1	3.1
MW-98	04/24/01	32	<5	49	116
MW-98	11/06/01	<5	<5	<5	<10
MW-98	04/23/02	<5	<5	<5	<5
MW-98	10/17/02	<5	<5	<5	<5
MW-98	04/09/03	<5	<5	<5	<5
MW-98	10/23/03	<5	<5	<5	<5
MW-98	04/12/04	<5	<5	<5	<5
MW-98	04/20/05	<5	<5	<5	<15
MW-104	07/17/97	<0.5	<0.5	<0.5	<0.7
MW-104	07/01/98	<1	<1	<1	<1
MW-104	04/23/01	<5	<5	<5	<15
MW-104	11/05/01	<5	<5	<5	<10
MW-104	04/22/02	<5	<5	<5	<5
MW-104	10/21/02	<5	<5	<5	<5
MW-104	04/11/03	<5	<5	<5	<5
MW-104	10/22/03	<5	<5	<5	<5
MW-104	04/07/04	<5	<5	<5	<5
MW-104	04/20/05	<5	<5	<5	<15
MW-105	06/28/98	<1	<1	<1	<1
MW-105	12/09/99	<5	<5	<5	<10
MW-105	10/02/00	<5	<5	<5	<10
MW-105	04/18/01	<5	<5	<5	<15
MW-105		Not Sampled - Dry			
MW-105		Not Sampled - Dry			
MW-105		Not Sampled - Dry			
MW-105		Not Sampled - Dry			
MW-105		Not Sampled - Dry			
MW-106	02/11/97	<0.5	<0.5	<0.5	<0.5

Notes:

Concentrations listed in micrograms per liter (ug/L)

<5 Constituent not detected above noted laboratory detection limit

-- Indicates parameter was not analyzed

Appendix B

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-106	05/07/97	<0.5	<0.5	<0.5	<0.5
MW-106	07/18/97	<0.5	<0.5	<0.5	<0.5
MW-106	04/30/98	<0.5	<0.5	<0.5	<0.5
MW-106	06/28/98	<1	<1	<1	<1
MW-106	04/29/99	<5	<5	<5	<10
MW-106	12/08/99	<5	<5	<5	<10
MW-106	05/01/00	<1	<1	<1	<1
MW-106	10/02/00	<5	<5	<5	<10
MW-106	04/18/01	<5	9.4	<5	<15
MW-106	10/31/01	<5	<5	<5	<10
MW-106	04/17/02	<5	<5	<5	<5
MW-106	10/16/02	<5	7	<5	<5
MW-106	04/09/03	<5	<5	<5	<5
MW-106	10/21/03	<5	<5	<5	<5
MW-106	04/05/04	<5	<5	<5	<5
MW-106	04/20/05	<5	<5	<5	<15
MW-108	07/17/97	<0.5	<0.5	0.5	<0.5
MW-108	06/22/98	<1	<1	<1	<1
MW-108	04/22/99	<5	<5	<5	<10
MW-108	12/14/99	<5	<5	<5	<10
MW-108	05/04/00	<1	<1	<1	<1
MW-108	04/19/01	<5	<5	<5	<10
MW-108	11/05/01	<5	<5	<5	<10
MW-108	04/22/02	<5	<5	<5	<5
MW-108	10/17/02	<5	<5	<5	<5
MW-108	04/11/03	<5	<5	<5	<5
MW-108	10/22/03	<5	<5	<5	<5
MW-108	04/06/04	<5	<5	<5	<5
MW-108	04/20/05	<5	<5	<5	<15
MW-110	06/30/98	170	<10	150	160
MW-111	06/29/98	<1	<1	<1	<1
MW-111	10/11/98	<0.5	<0.5	<0.5	<0.5
MW-111	02/01/99	<0.5	0.8	<0.5	<0.5
MW-111	04/21/99	<5	<5	<5	<10
MW-111	12/13/99	<5	<5	<5	<10
MW-111	04/27/00	<1	<1	<1	<1
MW-111	10/05/00	<5	<5	<5	<10
MW-111	04/18/01	<5	<5	<5	<15
MW-111	11/02/01	<5	<5	<5	<10
MW-111	04/19/02	<5	<5	<5	<5
MW-111	10/16/02	<5	<5	<5	<5
MW-111	04/07/03	<5	<5	<5	6
MW-111	10/22/03	<5	<5	<5	<5
MW-111	04/07/04	<5	<5	<5	5
MW-111	04/21/05	<5	<5	<5	<15
MW-113	08/11/99	140	<5	59	390
MW-114	07/26/99	<5	<5	<5	<10
MW-115	07/26/99	<5	<5	<5	10
MW-116	07/26/99	<5	<5	<5	<10
MW-117A	12/16/99	<5	<5	<5	<10
MW-118	12/15/99	<5	<5	<5	<10

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B

Page 27 of 29

Historical BTEX Analytical Data, May 1991 - April 2005 Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-119	12/28/99	16	<5	<5	<10
MW-121	12/16/99	500	10	370	20
MW-122	12/16/99	11	29	<5	22
MW-124	12/14/99	79	<50	210	1500
MW-127	12/28/99	190	74	38	16
MW-128	12/28/99	111	<5	<5	<10
SUMP-16A	07/01/91	560	—	—	—
SUMP-16A	07/19/91	—	850	100	—
SUMP-16A	07/30/91	—	—	—	660
SUMP-16A	09/01/91	240	—	—	—
SUMP-16A	12/01/91	2000	1000	<500	3500
SUMP-16A	04/01/92	1332	203	<3	3679
SUMP-16A	07/01/92	1495	2028	280	3442
SUMP-16A	10/01/92	632	87	<3	1821
SUMP-16A	01/01/93	741	40	96	1355
SUMP-16A	04/14/93	707	881	298	4226
SUMP-16A	10/05/94	170	<2.5	120	680
SUMP-16A	01/11/95	2	5.1	2.4	32
SUMP-16A	10/12/95	130	<13	98	780
SUMP-16A	04/19/96	0.8	1.5	3.8	27
SUMP-16A	07/01/96	5.1	0.9	1.2	7.7
SUMP-A10	10/12/95	<0.5	2.9	<0.5	<0.5
SW-01	05/28/91	—	—	—	<10
SW-01	07/01/91	<5	—	—	—
SW-01	07/19/91	—	<5	<5	—
SW-01	09/01/91	<1	—	—	—
SW-01	12/01/91	<1	—	—	—
SW-01	04/01/92	5	6	<3	14
SW-01	07/01/92	17.5	69	<3	67
SW-01	10/01/92	16	15	<3	10
SW-01	01/01/93	6	<3	<3	<3
SW-01	04/15/93	<1	<1	<1	<1
SW-01	05/12/93	<1	<1	<1	<1
SW-01	06/28/93	<0.5	<0.5	<0.5	<0.5
SW-01	07/15/93	<0.5	<0.5	<0.5	<0.5
SW-01	08/03/93	<0.5	<0.5	<0.5	<0.5
SW-01	09/21/93	<0.5	<0.5	1	0.6
SW-01	10/14/93	<0.5	<0.5	<0.5	<0.5
SW-01	11/10/93	<0.5	<0.5	<0.5	<0.5
SW-01	12/06/93	<0.5	<0.5	<0.5	<0.5
SW-01	01/12/94	<0.5	<0.5	<0.5	<0.5
SW-01	02/09/94	<0.5	<0.5	<0.5	<0.5
SW-01	03/16/94	<0.5	<0.5	<0.5	<0.5
SW-01	04/05/94	<0.5	<0.5	<0.5	<0.5
SW-01	05/19/94	<0.5	<0.5	<0.5	<0.5
SW-01	06/23/94	<0.5	<0.5	<0.5	<0.5
SW-01	07/21/94	<0.5	<0.5	<0.5	<0.5
SW-01	08/24/94	<0.5	<0.5	<0.5	<0.5
SW-01	09/20/94	<0.5	<0.5	0.8	2.2
SW-01	10/06/94	<0.5	<0.5	<0.5	0.6
SW-01	11/30/94	<0.5	<0.5	<0.5	<0.5

Notes:

Concentrations listed in micrograms per liter (ug/L)

<5 Constituent not detected above noted laboratory detection limit

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Appendix B
Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Page 28 of 29

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
SW-01	12/16/94	<0.5	<0.5	0.7	4.8
SW-01	01/11/95	<0.5	<0.5	<0.5	<0.5
SW-01	03/09/95	<0.5	<0.5	<0.5	<0.5
SW-01	04/07/95	<0.5	<0.5	<0.5	<0.5
SW-01	05/18/95	<0.5	<0.5	<0.5	<0.5
SW-01	07/21/95	<0.5	<0.5	<0.5	<0.5
SW-01	10/12/95	<0.5	<0.5	0.6	1.2
SW-01	12/27/95	<0.5	<0.5	<0.5	<0.5
SW-01	01/19/96	0.8	4.5	1.5	8.7
SW-01	03/18/96	<0.5	<0.5	<0.5	<0.5
SW-01	04/24/96	<0.5	<0.5	<0.5	<0.5
SW-01	07/01/96	<0.5	<0.5	<0.5	<0.5
SW-01	10/01/96	<0.5	<0.5	<0.5	<0.5
SW-01	02/10/97	<0.5	<0.5	<0.5	<0.5
SW-01	12/10/97	<0.1	<0.1	<0.1	<0.1
SW-01	06/30/98	<1	<1	<1	<1
SW-01	04/23/99	<5	<5	<5	<10
SW-01	04/25/05	<5	<5	<5	<15
SW-02	09/01/91	<1	--	--	--
SW-02	12/01/91	<1	--	--	--
SW-02	04/01/92	11	12	<3	5
SW-02	07/01/92	7	38	<1	24
SW-02	10/01/92	69	37	25	61
SW-02	01/01/93	47	6	7	9
SW-02	04/15/93	4	<1	<1	<1
SW-02	05/12/93	3	<1	<1	<1
SW-02	01/11/95	<0.5	<0.5	<0.5	<0.5
SW-02	06/24/98	<1	<1	<1	<1
SW-02	04/23/99	<5	<5	<5	<10
SW-03	07/01/96	<0.5	<0.5	<0.5	<0.5
SW-03	10/01/96	<0.5	<0.5	<0.5	<0.5
SW-03	06/24/98	<1	<1	<1	<1
SW-03	04/23/99	<5	<5	<5	<10
SW-03	04/25/05	<5	<5	<5	<15
TH-21A	07/01/91	1700	--	--	--
TH-21A	07/19/91	--	3400	1200	--
TH-21A	07/30/91	--	--	--	2200
TH-A11	07/01/91	1100	--	--	--
TH-A11	07/19/91	--	1600	1100	--
TH-A11	07/30/91	--	--	--	800
TH-A11	09/01/91	1400	--	--	--
TH-A11	12/01/91	2900	3500	300	4000
TH-A11	04/01/92	3465	3303	306	4158
TH-A11	07/01/92	1258	1710	423	3416
TH-A11	10/01/92	2742	2235	<3	3408
UIHS_ARROYO	05/28/91	--	--	--	<10
UIHS_ARROYO	07/01/91	<5	--	--	--
UIHS_ARROYO	07/19/91	--	<5	<5	--
UIHS_ARROYO	09/01/91	<1	--	--	--
UIHS_ARROYO	12/01/91	<1	--	--	--
UIHS_ARROYO	04/01/92	<1	<1	<1	<1

Notes:

Concentrations listed in micrograms per liter (ug/L)

<5 Constituent not detected above noted laboratory detection limit

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Appendix B

Page 29 of 29

Historical BTEX Analytical Data, May 1991 - April 2005
Marathon Oil Company, Indian Basin Remediation Project, Eddy County, New Mexico

Well ID	Sample Date	Analytical Results			
		Benzene	Toluene	Ethylbenzene	Total Xylenes
UIHS_ARROYO	07/01/92	<1	<1	<1	<1
UIHS_ARROYO	10/01/92	<1	<1	<1	<1
UIHS_ARROYO	01/01/93	<1	<1	<1	<1
UIHS_ARROYO	04/15/93	<1	<1	--	<1
UIHS_ARROYO	05/12/93	<1	<1	<1	<1
UIHS_ARROYO	06/28/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	07/15/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	08/03/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	09/21/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	10/14/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	11/10/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	12/06/93	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	01/13/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	02/09/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	03/16/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	04/05/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	05/19/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	06/23/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	07/21/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	08/24/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	09/20/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	10/06/94	<0.5	<0.5	<0.5	0.6
UIHS_ARROYO	11/30/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	12/16/94	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	01/11/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	03/09/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	04/07/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	05/18/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	07/21/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	10/12/95	<0.5	<0.5	<0.5	1.2
UIHS_ARROYO	12/27/95	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	01/19/96	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	03/18/96	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	04/24/96	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	07/01/96	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	10/01/96	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	02/10/97	<0.5	<0.5	<0.5	<0.5
UIHS_ARROYO	06/26/98	<1	<1	<1	<1

Notes:

Concentrations listed in micrograms per liter (ug/L)

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Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

Station or Well Name	Constituent	WQCC Dissolved Metals (mg/L)													
		Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel
	New Mexico Standards	5	0.1	1	0.75	0.01	0.05	0.05	1.3	1	0.05	0.2	0.002	1	0.2
	Sample Collection Date														
LYMAN	12/18/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-014	4/18/2002	<0.05	<0.02	0.54	0.16	<0.005	<0.01	<0.02	<0.01	0.97	<0.05	0.25	NA	<0.05	0.01
MW-014	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-014 (Dup 1)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-014	4/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-014 (Dup 1)	4/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/28/2000	<0.1	<0.005	0.118	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.0219	NA	<0.02	<0.01
MW-043	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/17/2002	<0.05	<0.02	0.13	0.16	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.1	NA	<0.05	<0.01
MW-043	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/10/2004	<0.05	<0.02	0.023	0.211	<0.005	0.019	<0.03	<0.01	0.432	<0.05	0.555	<0.001	<0.05	0.032
MW-046	4/25/2005	NA	NA	NA	NA	<0.005	<0.01	<0.01	<0.01	NA	NA	0.145	NA	<0.02	<0.01
MW-046	4/28/2000	<0.1	<0.005	0.119	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.145	NA	<0.02	<0.01
MW-046	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-046	4/17/2002	0.3	<0.02	0.13	0.08	<0.005	<0.01	<0.02	<0.01	0.17	<0.05	0.23	NA	<0.05	<0.01
MW-046	4/8/2004	<0.05	<0.02	0.43	0.094	<0.005	<0.01	<0.03	<0.01	0.091	<0.05	0.369	<0.001	<0.05	<0.01
MW-046	4/27/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-049	4/27/2000	<0.1	0.0057	0.0338	0.402	<0.005	<0.01	<0.01	<0.01	0.0206	<0.005	0.218	NA	<0.02	<0.01
MW-049	4/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-049	4/17/2002	<0.05	<0.02	0.05	0.44	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.16	NA	<0.05	<0.01
MW-049	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-049	4/9/2004	<0.05	<0.02	0.02	0.386	<0.005	0.01	<0.03	<0.01	<0.05	<0.05	0.178	<0.001	<0.05	<0.01
MW-049 (Dup-1)	4/9/2004	<0.05	<0.02	0.03	0.41	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	0.209	<0.001	<0.05	<0.01
MW-049	4/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-050	4/27/2000	<0.1	0.00709	0.0154	0.382	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.01
MW-050	4/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-050	4/17/2002	<0.05	<0.02	0.01	0.32	<0.005	<0.01	<0.02	0.07	<0.05	<0.05	0.69	NA	<0.05	<0.01
MW-050	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-050	4/10/2004	<0.05	<0.02	0.02	0.379	<0.005	0.067	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

Station or Well Name	Constituent	Total Dissolved Solids (TDS)		Chloride
		New Mexico Standards	1000	
Sample Collection Date				
LYMAN	12/18/2000	NA	15	15
MW-014	4/18/2002	1200	300	300
MW-014	10/24/2003	1100	150	150
MW-014 (Dup 1)	10/24/2003	1000	140	140
MW-014	4/25/2005	1130	230	230
MW-014 (Dup 1)	4/25/2005	1100	232	232
MW-043	4/28/2000	827	68.9	68.9
MW-043	4/19/2001	730	79	79
MW-043	4/17/2002	640	51	51
MW-043	10/28/2003	1300	140	140
MW-043	4/10/2004	3600	160	160
MW-043	4/25/2005	2440	157	157
MW-046	4/28/2000	565	25.8	25.8
MW-046	4/19/2001	570	47	47
MW-046	4/17/2002	490	37	37
MW-046	4/8/2004	2300	340	340
MW-046	4/27/2005	1090	116	116
MW-049	4/27/2000	3320	379	379
MW-049	4/17/2001	3100	350	350
MW-049	4/17/2002	2800	450	450
MW-049	10/28/2003	2800	570	570
MW-049	4/9/2004	2900	440	440
MW-049 (Dup-1)	4/9/2004	3000	410	410
MW-049	4/25/2005	3960	345	345
MW-050	4/27/2000	6510	345	345
MW-050	4/17/2001	6200	350	350
MW-050	4/17/2002	6900	360	360
MW-050	10/22/2003	6300	300	300
MW-050	4/10/2004	5900	330	330

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	WQCC Dissolved Metals (mg/L)																
		Aluminum 5	Arsenic 0.1	Barium 1	Boron 0.75	Cadmium 0.01	Chromium 0.05	Cobalt 0.05	Copper 1.3	Iron 1	Lead 0.05	Manganese 0.2	Mercury 0.002	Molybdenum 1	Nickel 0.2	Selenium 0.05	Silver 0.05	Zinc 10
MW-050	New Mexico Standards																	
MW-054	4/27/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-054	5/2/2000	<0.1	<0.005	0.0155	0.277	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	NA	NA	<0.02	<0.005	<0.01	0.0286	
MW-054	4/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-054	4/18/2002	<0.05	<0.02	0.02	0.33	<0.005	<0.01	<0.02	<0.01	0.25	<0.05	0.02	NA	<0.05	0.05	0.09	<0.01	
MW-054	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-054	4/9/2004	0.07	<0.02	<0.01	0.292	<0.005	0.08	<0.03	0.073	<0.05	<0.05	<0.01	<0.001	<0.05	<0.02	0.048	<0.01	
MW-054	4/27/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-055	5/2/2000	<0.1	<0.005	0.194	0.244	<0.005	<0.01	<0.01	<0.01	0.0591	<0.005	0.0697	NA	<0.02	<0.005	<0.01	<0.02	
MW-055	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-055	4/24/2002	<0.05	<0.02	0.22	0.19	<0.005	<0.01	<0.02	<0.02	0.34	<0.05	0.07	NA	<0.05	<0.02	<0.02	<0.01	
MW-055	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-055	4/9/2004	<0.05	<0.02	0.21	0.389	<0.005	<0.01	<0.03	0.05	2.07	<0.05	0.103	<0.001	<0.05	<0.02	<0.01	<0.01	
MW-055	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-057	5/4/2000	<0.1	<0.005	0.228	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.134	NA	<0.02	<0.005	<0.01	0.0447	
MW-057	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-057	4/22/2002	<0.05	<0.02	0.12	0.05	<0.005	<0.01	<0.02	<0.01	0.13	<0.05	0.12	NA	<0.05	<0.02	<0.01	<0.01	
MW-057	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-057	4/8/2004	<0.05	<0.02	0.23	<0.05	<0.005	<0.01	<0.03	<0.01	0.233	<0.05	0.297	<0.001	<0.05	<0.02	<0.01	<0.01	
MW-057	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-059	5/4/2000	<0.1	0.0191	0.0502	<0.2	<0.005	<0.01	<0.01	<0.01	0.094	<0.005	0.71	NA	<0.02	0.0269	<0.005	<0.01	
MW-059	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-059	4/23/2002	0.06	<0.02	0.02	0.27	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.15	NA	<0.05	<0.02	<0.01	<0.01	
MW-059	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-059 (Dup-2)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-059	4/8/2004	<0.05	0.03	0.09	0.27	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	1.41	<0.001	<0.05	0.021	<0.02	<0.01	
MW-059 (Dup-2)	4/8/2004	0.07	0.03	0.07	0.267	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	1.4	<0.001	<0.05	0.022	<0.02	<0.01	
MW-059	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-059 (Dup-2)	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-060	5/1/2000	<0.1	<0.005	0.0152	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.005	<0.01	0.0245	
MW-060	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-060	4/23/2002	<0.05	<0.02	0.02	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.02	<0.01	0.01	

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)	Chloride
	New Mexico Standards	1000	250
MW-050	4/27/2005	6900	312
MW-054	5/2/2000	3230	138
MW-054	4/23/2001	4500	190
MW-054	4/18/2002	4500	180
MW-054	10/27/2003	4900	180
MW-054	4/9/2004	5000	200
MW-054	4/27/2005	4470	187
MW-055	5/2/2000	1020	138
MW-055	4/24/2001	920	130
MW-055	4/24/2002	720	79
MW-055	10/24/2003	1300	190
MW-055	4/9/2004	1500	220
MW-055	4/27/2005	1220	187
MW-057	5/4/2000	515	43.1
MW-057	4/24/2001	520	48
MW-057	4/22/2002	540	45
MW-057	10/28/2003	430	37
MW-057	4/8/2004	620	34
MW-057	4/26/2005	409	31
MW-059	5/4/2000	3300	196
MW-059	4/19/2001	2400	210
MW-059	4/23/2002	5800	470
MW-059	10/24/2003	6000	420
MW-059 (Dup-2)	10/24/2003	6100	420
MW-059	4/8/2004	6200	560
MW-059	4/21/2005	6200	530
MW-059 (Dup-2)	4/21/2005	2180	54.1
MW-060	5/1/2000	790	52.8
MW-060	4/19/2001	720	8.61
MW-060	4/23/2002	710	9.4
MW-060			9.7

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	WQCC Dissolved Metals (mg/L)													Nickel	Selenium	Silver	Zinc
		Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum				
	New Mexico Standards	5	0.1	1	0.75	0.01	0.05	0.05	1.3	1	0.05	0.2	0.002	1	0.2	0.05	0.05	10
MW-060	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-060	4/18/2004	<0.05	<0.02	0.03	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-060	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061	5/3/2000	<0.1	<0.005	0.0285	0.527	<0.005	<0.01	<0.01	<0.01	0.0395	<0.005	0.0128	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-061	4/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061	4/19/2002	0.25	0.06	0.02	0.57	<0.005	<0.01	<0.02	0.05	0.47	<0.05	<0.01	NA	<0.05	0.03	<0.04	0.07	0.01
MW-061	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061	4/6/2004	<0.05	<0.02	0.02	0.53	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	0.052	<0.01	0.05	0.03	<0.01
MW-061	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061A	5/3/2000	<0.1	<0.005	0.0241	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.129	NA	<0.02	<0.02	<0.005	<0.01	0.0254
MW-061A	4/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061A	4/19/2002	<0.05	0.04	0.01	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.12	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-061A	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	NA	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-061A	4/6/2004	<0.05	<0.02	0.26	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	0.022	<0.01	<0.01
MW-061A	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-062	5/3/2000	<0.1	0.00705	0.771	<0.2	<0.005	<0.01	<0.01	<0.01	0.0284	<0.005	0.374	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-062	4/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-062	4/22/2002	<0.05	0.03	0.86	0.11	<0.005	<0.01	<0.02	<0.01	0.88	<0.05	0.5	NA	<0.05	<0.01	0.03	<0.01	<0.01
MW-062	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-062	4/8/2004	<0.05	<0.02	0.24	0.096	<0.005	<0.01	<0.03	<0.01	0.148	<0.05	0.537	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-062	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/27/2000	<0.1	<0.005	0.271	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	0.00908	<0.01	<0.02
MW-063	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/18/2002	<0.05	<0.02	0.36	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	0.02
MW-063	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/8/2004	<0.05	<0.02	0.34	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-063	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA
MW-064	5/3/2000	<0.1	<0.005	0.0132	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	0.0337
MW-064	4/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-064	4/22/2002	<0.05	<0.02	0.01	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	0.02
MW-064	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)	Chloride
	New Mexico Standards	1000	250
MW-060	10/23/2003	640	12
MW-060	4/8/2004	650	12
MW-060	4/26/2005	684	13.2
MW-061	5/3/2000	3290	379
MW-061	4/23/2001	3100	430
MW-061	4/19/2002	3200	390
MW-061	10/22/2003	3300	440
MW-061	4/6/2004	3200	480
MW-061	4/21/2005	3520	377
MW-061A	5/3/2000	811	8.61
MW-061A	4/18/2001	720	9.5
MW-061A	4/19/2002	720	9.5
MW-061A	10/22/2003	730	10
MW-061A	4/6/2004	760	9.9
MW-061A	4/21/2005	875	11.4
MW-062	5/3/2000	695	99.9
MW-062	4/20/2001	700	130
MW-062	4/22/2002	670	93
MW-062	10/21/2003	610	82
MW-062	4/8/2004	650	94
MW-062	4/21/2005	783	158
MW-063	4/27/2000	395	10.3
MW-063	4/24/2001	370	12
MW-063	4/18/2002	320	14
MW-063	10/24/2003	370	8.2
MW-063	4/8/2004	360	7.6
MW-063	4/26/2005	320	6.65
MW-064	5/3/2000	611	13.8
MW-064	4/20/2001	540	13
MW-064	4/22/2002	520	14
MW-064	10/22/2003	580	13

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	WQCC Dissolved Metals (mg/L)																
		Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Zinc
	New Mexico Standards	5	0.1	1	0.75	0.01	0.05	0.05	1.3	1	0.05	0.2	0.002	1	0.2	0.05	0.05	10
MW-064	4/7/2004	<0.05	<0.02	0.01	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-064	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-065	4/7/2004	<0.05	<0.02	0.12	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-066	4/27/2000	<0.1	<0.005	0.019	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.005	<0.01	<0.02	<0.02
MW-066	4/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-066	4/19/2002	<0.05	<0.02	<0.01	<0.05	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.01	NA	<0.05	0.12	<0.02	<0.01	<0.01
MW-066	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-066	4/6/2004	<0.05	<0.02	0.01	<0.05	<0.005	<0.01	<0.03	<0.02	<0.05	<0.05	<0.01	<0.001	<0.05	<0.02	<0.01	<0.01	<0.01
MW-066	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-067	5/2/2000	<0.1	<0.005	0.0607	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.37	NA	<0.02	0.0319	<0.005	<0.01	0.0225
MW-067	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-067	4/22/2002	<0.05	<0.02	0.04	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.02	NA	<0.05	<0.02	<0.01	<0.01	<0.01
MW-067	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-067	4/8/2004	<0.05	<0.02	0.12	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	0.07	<0.001	<0.05	0.018	0.03	<0.01	<0.01
MW-067	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-069	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-070	4/27/2000	<0.1	<0.005	0.0469	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	0.0059	<0.01	<0.02	<0.02
MW-070	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-070	4/18/2002	<0.05	<0.02	0.06	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.02	<0.01	0.02	0.02
MW-070	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-070	4/12/2004	<0.05	<0.02	0.08	<0.05	<0.005	<0.01	<0.03	<0.01	0.367	<0.05	0.042	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-070	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-071	4/28/2000	<0.1	<0.005	0.0156	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	0.0356	0.00724	<0.01	<0.02
MW-071	4/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	NA	NA	NA	0.1	<0.02	<0.01	<0.01
MW-071	4/23/2002	<0.05	<0.02	0.01	0.18	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-071	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-071	4/6/2004	<0.05	<0.02	0.01	0.183	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	0.017	<0.001	<0.05	<0.02	<0.01	<0.01	<0.01
MW-071	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-073	5/4/2000	<0.1	<0.005	0.102	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	0.0822	NA	<0.02	<0.005	<0.01	<0.02	<0.02
MW-073	4/23/2001	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.02	<0.005	0.19	NA	NA	<0.02	<0.005	<0.01	<0.01
MW-073	4/24/2002	<0.05	0.02	0.06	0.12	<0.005	<0.01	<0.02	<0.02	0.16	<0.05	0.19	NA	<0.05	0.02	<0.02	<0.02	<0.01

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)	Chloride
	New Mexico Standards	1000	250
MW-064	4/7/2004	540	13
MW-064	4/20/2005	665	14.3
MW-065	4/7/2004	290	3.5
MW-066	4/27/2000	848	8.61
MW-066	4/18/2001	660	9.3
MW-066	4/19/2002	790	8.8
MW-066	10/22/2003	770	8.4
MW-066	4/6/2004	810	8.0
MW-066	4/21/2005	867	10.8
MW-067	5/2/2000	537	8.61
MW-067	4/19/2001	470	6.5
MW-067	4/22/2002	420	5.7
MW-067	10/22/2003	400	4.7
MW-067	4/8/2004	430	5.4
MW-067	4/20/2005	430	7.14
MW-069	4/21/2005	645	22.5
MW-070	4/27/2000	385	8.61
MW-070	4/24/2001	270	9.8
MW-070	4/18/2002	310	15
MW-070	10/23/2003	350	10
MW-070	4/12/2004	420	9.9
MW-070	4/26/2005	336	11.6
MW-071	4/28/2000	1240	36.2
MW-071	4/18/2001	1100	67
MW-071	4/23/2002	1100	45
MW-071	10/21/2003	1100	77
MW-071	4/6/2004	1100	23
MW-071	4/21/2005	1300	21.8
MW-073	5/4/2000	1570	176
MW-073	4/23/2001	1900	170
MW-073	4/24/2002	1800	140

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	WQCC Dissolved Metals (mg/L)																
	New Mexico Standards	Aluminum 5	Arsenic 0.1	Barium 1	Boron 0.75	Cadmium 0.01	Chromium 0.05	Cobalt 0.05	Copper 1.3	Iron 1	Lead 0.05	Manganese 0.2	Mercury 0.002	Molybdenum 1	Nickel 0.2	Selenium 0.05	Silver 0.05	Zinc 10
MW-073	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-073	4/9/2004	<0.05	<0.02	0.03	0.251	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	0.091	<0.001	<0.05	<0.01	<0.02	<0.01	NA
MW-073	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-074	5/4/2000	<0.1	<0.005	0.689	<0.2	<0.005	<0.01	<0.01	<0.01	3.49	<0.005	0.115	NA	<0.02	<0.02	<0.005	<0.01	0.0888
MW-074	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-074	4/24/2002	<0.05	<0.02	0.71	0.19	<0.005	<0.01	<0.02	<0.02	1.9	<0.05	0.17	NA	<0.05	<0.01	<0.02	<0.02	<0.01
MW-074	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-074	4/9/2004	<0.05	<0.02	0.74	0.189	<0.005	<0.01	<0.03	<0.01	0.216	<0.05	0.215	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-074	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-077	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-077	4/7/2004	<0.05	<0.02	0.17	0.121	<0.005	<0.01	<0.03	<0.01	0.063	<0.05	0.703	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-077	4/27/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-078	4/22/2002	<0.05	<0.02	1.12	<0.05	<0.005	<0.01	<0.02	<0.01	1.04	<0.05	2	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-078	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-078	4/9/2004	<0.05	<0.02	0.18	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	0.114	<0.001	<0.05	0.011	<0.02	<0.01	<0.01
MW-078	4/27/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-079	5/2/2000	<0.1	<0.005	0.0376	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-079	4/17/2002	<0.05	<0.02	0.11	0.12	<0.005	<0.01	0.09	<0.01	0.1	<0.05	0.4	NA	<0.05	0.08	<0.02	<0.01	0.02
MW-087	5/1/2000	<0.1	<0.005	0.0161	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-087	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087	4/23/2002	<0.05	<0.02	0.02	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-087	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087	4/9/2004	<0.05	<0.02	0.02	<0.05	<0.005	0.01	<0.03	0.014	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-087	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087A	5/1/2000	<0.1	<0.005	0.0278	0.343	<0.005	<0.01	<0.01	<0.01	<0.02	0.0103	0.018	NA	0.0646	<0.02	<0.005	<0.01	0.122
MW-087A	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	<0.01	NA	<0.05	NA	NA	NA	NA
MW-087A	4/23/2002	0.1	<0.02	<0.01	0.28	<0.005	0.01	<0.02	<0.02	<0.05	<0.05	<0.01	NA	<0.05	<0.02	0.29	<0.02	<0.01
MW-087A	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087A	4/7/2004	<0.05	<0.02	0.04	0.359	<0.005	0.03	<0.03	0.064	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	0.028	<0.01
MW-087A	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-088	4/28/2000	<0.1	<0.005	0.0187	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	0.047	<0.01	0.0452

Appendix B
Summary of Analytical Results for All Sampling Events
11/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)		Chloride
		1000	250	
MW-073	New Mexico Standards			
MW-073	10/24/2003	3200	260	250
MW-073	4/9/2004	3200	290	
MW-073	4/21/2005	3320	282	
MW-074	5/4/2000	466	146	
MW-074	4/24/2001	850	130	
MW-074	4/24/2002	730	100	
MW-074	10/23/2003	840	170	
MW-074	4/9/2004	910	170	
MW-074	4/21/2005	1310	204	
MW-077	10/24/2003	590	57	
MW-077	4/7/2004	550	40	
MW-077	4/27/2005	1110	180	
MW-078	4/22/2002	450	35	
MW-078	10/24/2003	440	22	
MW-078	4/9/2004	240	3.6	
MW-078	4/27/2005	429	16.9	
MW-079	5/2/2000	563	39.6	
MW-079	4/17/2002	490	37	
MW-087	5/1/2000	690	10.3	
MW-087	4/19/2001	680	1.2	
MW-087	4/23/2002	670	9.9	
MW-087	10/23/2003	600	14	
MW-087	4/9/2004	680	8.9	
MW-087	4/21/2005	669	11.2	
MW-087A	5/1/2000	3290	127	
MW-087A	4/19/2001	2900	130	
MW-087A	4/23/2002	2700	130	
MW-087A	10/23/2003	3500	120	
MW-087A	4/7/2004	3400	160	
MW-087A	4/26/2005	1640	100	
MW-088	4/28/2000	876	43.1	

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	WQCC Dissolved Metals (mg/L)																
	New Mexico Standards	Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Zinc
MW-088	4/17/2001	5	0.1	1	0.75	0.01	0.05	0.05	1.3	1	0.05	0.2	0.002	1	0.2	0.05	0.05	10
MW-088	4/19/2002	0.15	0.06	<0.01	0.08	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	0.08	<0.02	0.01
MW-088	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	<0.005	<0.01	NA	<0.02	NA	NA	NA	NA
MW-088	4/6/2004	<0.05	<0.02	0.02	0.075	<0.005	<0.01	<0.03	<0.01	<0.02	<0.005	<0.01	<0.001	<0.02	<0.02	<0.020	<0.01	<0.01
MW-088	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-089	4/27/2000	<0.1	<0.005	0.017	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-089	4/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-089	4/19/2002	<0.05	<0.02	0.01	0.06	<0.005	<0.01	<0.02	<0.01	<0.05	0.06	<0.01	NA	<0.05	<0.01	0.07	<0.01	<0.01
MW-089	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	<0.01	NA	<0.05	NA	NA	NA	NA
MW-089	4/6/2004	<0.05	<0.02	0.01	0.063	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-089	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-090	5/2/2000	<0.1	0.00869	0.0924	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	0.0964
MW-090	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-090	4/18/2002	<0.05	<0.02	0.16	0.08	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	0.02	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-090	10/23/2003	NA	NA	NA	NA	<0.005	<0.01	NA	NA	<0.05	<0.05	<0.01	NA	<0.05	NA	NA	NA	NA
MW-090	4/13/2004	<0.05	<0.02	0.09	<0.05	<0.005	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-090	4/21/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-091	4/18/2002	<0.05	<0.02	4.92	0.08	<0.005	<0.01	<0.02	<0.01	0.5	<0.05	0.28	NA	<0.05	0.01	<0.02	<0.01	<0.01
MW-091	10/23/2003	NA	NA	NA	NA	<0.005	<0.01	NA	NA	2.24	<0.05	0.323	NA	<0.05	<0.01	<0.02	<0.01	<0.01
MW-091	4/13/2004	<0.05	<0.02	2.25	0.054	<0.005	<0.01	<0.03	<0.01	<0.02	<0.005	<0.005	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-091	4/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-094	5/3/2000	<0.1	<0.005	0.0212	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-094	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-094	4/24/2002	<0.05	<0.02	0.02	<0.05	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.02	NA	<0.05	<0.01	0.03	<0.02	<0.01
MW-094	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	<0.02	NA	<0.05	<0.01	NA	NA	NA
MW-094	4/9/2004	<0.05	<0.02	0.02	<0.05	<0.005	<0.01	<0.03	0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
MW-094	4/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.01
MW-095	5/2/2000	<0.1	<0.005	0.234	<0.2	<0.005	<0.01	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
MW-095	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-095	4/23/2002	0.05	<0.02	0.28	<0.05	<0.005	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	0.01
MW-095	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.01	<0.02	<0.01	NA

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)		Chloride
		1000	250	
	New Mexico Standards			
MW-088	4/17/2001	770	23	
MW-088	4/19/2002	750	35	
MW-088	10/21/2003	810	22	
MW-088	4/6/2004	820	19	
MW-088	4/21/2005	945	27.8	
MW-089	4/27/2000	850	50	
MW-089	4/18/2001	760	52	
MW-089	4/19/2002	730	48	
MW-089	10/22/2003	770	50	
MW-089	4/6/2004	770	45	
MW-089	4/21/2005	831	49.8	
MW-090	5/2/2000	422	17.2	
MW-090	4/24/2001	360	21	
MW-090	4/18/2002	380	24	
MW-090	10/23/2003	450	20	
MW-090	4/13/2004	210	1.7	
MW-090	4/21/2005	570	17.6	
MW-091	4/18/2002	560	55	
MW-091	10/23/2003	450	49	
MW-091	4/13/2004	510	31	
MW-091	4/25/2005	563	27.5	
MW-094	5/3/2000	721	24.1	
MW-094	4/24/2001	560	21	
MW-094	4/24/2002	550	20	
MW-094	10/27/2003	580	27	
MW-094	4/19/2004	600	23	
MW-094	4/26/2005	632	35.8	
MW-095	5/2/2000	349	3.45	
MW-095	4/24/2001	320	3	
MW-095	4/23/2002	330	23	
MW-095	10/23/2003	410	2.8	

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

		WQCC Dissolved Metals (mg/L)																
	Constituent	Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Zinc
	New Mexico Standards	5	0.1	1	0.75	0.01	0.05	0.05	1.3	1	0.05	0.2	0.002	1	0.2	0.05	0.05	10
	MW-095	4/12/2004	<0.05	<0.02	0.38	<0.05	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.01	<0.01	<0.01
	MW-095	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-096	5/1/2000	<0.1	<0.005	0.0178	<0.2	<0.005	<0.01	<0.01	<0.02	<0.005	0.0205	NA	<0.02	<0.02	<0.005	<0.01	0.0216
	MW-096	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-096	4/22/2002	<0.05	<0.02	0.01	<0.05	<0.01	<0.02	<0.01	<0.05	<0.05	0.02	NA	<0.05	<0.01	<0.02	<0.01	0.01
	MW-096	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-096	4/6/2004	<0.05	<0.02	0.01	<0.05	<0.01	<0.03	<0.01	<0.05	<0.005	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-096	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-097	5/2/2000	<0.1	<0.005	0.0475	<0.2	<0.005	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	0.0255
	MW-097	4/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-097	4/22/2002	<0.05	<0.02	0.05	<0.05	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-097	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-097	4/6/2004	<0.05	<0.02	0.03	<0.05	<0.01	<0.03	<0.01	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-097	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-098	5/2/2000	<0.1	<0.005	0.147	<0.2	<0.005	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	<0.02
	MW-098	4/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-098	4/23/2002	<0.05	<0.02	0.19	<0.05	<0.005	<0.01	<0.02	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-098	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-098	4/12/2004	<0.05	<0.02	0.24	<0.05	<0.01	<0.03	0.013	0.632	<0.05	0.05	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-098	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-104	4/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-104	4/22/2002	<0.05	<0.02	0.02	<0.05	<0.01	<0.02	<0.02	<0.05	<0.05	<0.01	NA	<0.05	<0.01	<0.02	<0.02	<0.01
	MW-104	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-104	4/7/2004	<0.05	<0.02	0.02	<0.05	<0.01	<0.03	<0.02	<0.05	<0.05	<0.01	<0.001	<0.05	<0.01	<0.02	<0.02	<0.01
	MW-104	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-106	5/1/2000	<0.1	<0.005	0.197	<0.2	<0.005	<0.01	<0.01	<0.02	<0.005	<0.005	NA	<0.02	<0.02	<0.005	<0.01	0.0691
	MW-106	4/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-106	4/17/2002	<0.05	<0.02	0.26	<0.05	<0.01	<0.02	<0.01	<0.05	<0.05	0.04	NA	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-106	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-106	4/5/2004	<0.05	<0.02	0.02	<0.05	<0.01	<0.03	<0.01	<0.05	<0.05	0.077	<0.001	<0.05	<0.01	<0.02	<0.01	<0.01
	MW-106	4/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)		Chloride
		1000	250	
MW-095	New Mexico Standards			
	4/12/2004	370	2.4	2.4
MW-095	4/20/2005	400	4.13	4.13
MW-096	5/1/2000	600	12.1	12.1
MW-096	4/19/2001	570	12	12
MW-096	4/22/2002	520	13	13
MW-096	10/22/2003	560	12	12
MW-096	4/6/2004	580	11	11
MW-096	4/20/2005	644	13.1	13.1
MW-097	5/2/2000	533	5.17	5.17
MW-097	4/19/2001	440	4.6	4.6
MW-097	4/22/2002	450	4.8	4.8
MW-097	10/21/2003	440	4.1	4.1
MW-097	4/6/2004	310	2.8	2.8
MW-097	4/20/2005	363	3.46	3.46
MW-098	5/2/2000	324	12.1	12.1
MW-098	4/24/2001	300	16	16
MW-098	4/23/2002	330	14	14
MW-098	10/23/2003	310	14	14
MW-098	4/12/2004	400	12	12
MW-098	4/20/2005	370	15.5	15.5
MW-104	4/23/2001	520	15	15
MW-104	4/22/2002	500	15	15
MW-104	10/22/2003	580	13	13
MW-104	4/7/2004	550	13	13
MW-104	4/20/2005	600	13.9	13.9
MW-106	5/1/2000	350	3.45	3.45
MW-106	4/18/2001	340	5.6	5.6
MW-106	4/17/2002	350	12	12
MW-106	10/21/2003	350	3.1	3.1
MW-106	4/5/2004	540	3.3	3.3
MW-106	4/20/2005	405	3.58	3.58

Appendix B

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Appendix B
Summary of Analytical Results for All Sampling Events
1/1/2000 through 12/31/2005
WQCC Dissolved Metals and Wet Chemistry

	Constituent	Total Dissolved Solids (TDS)	Chloride
	New Mexico Standards	1000	250
MW-108	5/4/2000	370	3.45
MW-108	4/19/2001	360	3.4
MW-108	4/22/2002	330	3.4
MW-108	10/22/2003	330	2.6
MW-108	4/6/2004	360	2.5
MW-108	4/20/2005	388	3.67
MW-111	4/27/2000	994	103
MW-111	4/18/2001	800	100
MW-111	4/19/2002	750	100
MW-111	10/22/2003	800	98
MW-111	4/7/2004	790	70
MW-111	4/21/2005	932	101
SW-1	4/25/2005	582	25.7
SW-3	4/25/2005	423	14.6



Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent New Mexico Standards Sample Collection Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene tox	Benzo(a)anthracene**	Benzo(a)pyrene	Benzo(b)fluoranthene**
		--	--	--	--	--	0.1	0.7	0.2
MW-014	4/18/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-014	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-014 (Dup-1)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/28/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-043	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-043	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-046	4/28/2000	3.9	0.75	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-046	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-046	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-049	4/27/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-049	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-049	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-049	4/8/2004	NA	NA	10	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-049 (Dup-1)	4/8/2004	NA	NA	4.31	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-050	4/27/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-050	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-050	10/22/2003	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-050	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-054	5/2/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-054	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-054	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-054	4/9/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-055	5/2/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-055	4/24/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-055	10/24/2003	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-055	4/9/2004	NA	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-057	5/4/2000	0.47	0.28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-057	4/22/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-057	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-057	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-059	5/4/2000	110	120	<2.2	5.1	<2.2	<2.2	<2.2	<2.2
MW-059	4/23/2002	NA	NA	<25	<25	<5	0.97	1.25	1.38
MW-059	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-059 (Dup-2)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-059	4/8/2004	NA	NA	11.2	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-059 (Dup-2)	4/8/2004	NA	NA	14.4	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-060	5/1/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-060	4/23/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-060	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-060	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-060	5/3/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-061	4/19/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-061	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-061	4/5/2004	NA	NA	1.95	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-061A	5/3/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-061A	4/19/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-061A	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-061A	4/5/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531

Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
	New Mexico Standards			0.2	0.3	tox	tox	0.4	tox	tox	tox
	Sample Collection Date										
MW-014	4/18/2002	<0.1	<0.1	<1	<0.1	3.06	4.4	<0.1	<5	1.93	<1
MW-014	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-014 (Dup-1)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/28/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-043	4/17/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-043	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-043	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-046	4/28/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	0.76	<0.1	<0.1
MW-046	4/17/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-046	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-049	4/27/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-049	4/17/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-049	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-049	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-049 (Dup-1)	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-050	4/27/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-050	4/17/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-050	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-050	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-054	5/2/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-054	4/18/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-054	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-054	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-055	5/2/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-055	4/24/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-055	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-055	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-057	5/4/2000	<0.1	<0.1	<1	<0.1	<1	0.22	<0.1	0.25	<0.1	<0.1
MW-057	4/22/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-057	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-057	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-059	5/4/2000	<2.2	<2.2	<2.2	<2.2	<2.2	110	<2.2	17	9.3	<2.2
MW-059	4/23/2002	0.68	0.51	<5	<5	39.5	27.7	0.72	<25	25.7	<5
MW-059	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-059 (Dup-2)	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-059	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	0.151	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-059 (Dup-2)	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-060	5/1/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-060	4/23/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-060	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-060	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-061	5/2/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-061	4/19/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-061	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061	4/5/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-061A	5/3/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-061A	4/19/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-061A	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-061A	4/5/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873

Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent New Mexico Standards Sample Collection Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
MW-062	5/3/2000	0.46	0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-062	4/22/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-062	4/8/2004	NA	NA	0.823	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-062	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/27/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-063	4/18/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-063	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/8/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-064	5/3/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-064	4/22/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-064	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-064	4/7/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-065	4/7/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-066	4/27/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-066	4/19/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-066	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-066	4/6/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-067	5/2/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-067	4/22/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-067	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-067	4/6/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-070	4/27/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-070	4/18/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-070	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-070	4/12/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-071	4/28/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-071	4/23/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-071	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-071	4/6/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-073	5/4/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-073	4/24/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-073	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-073	4/9/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-074	5/4/2000	2.9	1.6	<0.56	<0.193	<0.56	<0.56	<0.56	<0.56
MW-074	4/24/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-074	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-074	4/9/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-077	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-077	4/7/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-078	4/22/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-078	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-078	4/9/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-079	5/2/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-079	4/17/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-087	5/1/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087	4/23/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-087	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-087	4/7/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531
MW-087A	5/1/2000	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087A	4/23/2002	NA	NA	<5	<5	<1	<0.1	<0.1	<0.1
MW-087A	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA
MW-087A	4/7/2004	NA	NA	<0.247	<0.193	<0.167	<0.0543	<0.0411	<0.0531

Appendix B
 Summary of Analytical Results for All Semi-Annual Sampling Events
 1/1/2000 through 12/31/2004
 Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent New Mexico Standards Sample Collection Date	Benzo(a,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
		0.2	0.3	0.2	0.3	tox	tox	0.4	tox	tox	tox
MW-062	5/3/2000	<0.1	<0.1	<0.1	<0.1	<0.1	0.71	<0.1	<0.1	<0.1	<0.1
MW-062	4/22/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-062	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-062	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/27/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-063	4/18/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-063	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-063	4/8/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-064	5/3/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-064	4/22/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-064	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-064	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-065	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-066	4/27/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-066	4/19/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-066	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-066	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-067	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-067	4/22/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-067	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-067	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-070	4/27/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-070	4/18/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-070	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-070	4/12/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-071	4/28/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-071	4/23/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-071	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-071	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-073	5/4/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-073	4/24/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-073	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-073	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-074	5/4/2000	<0.56	<0.56	<0.56	<0.56	<0.56	13	<0.56	<0.56	<0.56	<0.56
MW-074	4/24/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-074	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-074	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-077	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-077	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-078	4/22/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-078	10/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-078	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-079	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-079	4/17/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087	5/1/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087	4/23/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-087A	5/1/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087A	4/23/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-087A	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-087A	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873

Appendix B
 Summary of Analytical Results for All Semi-Annual Sampling Events
 1/1/2000 through 12/31/2004
 Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent New Mexico Standards	Sample Collection Date	1-Methylnaphthalene		2-Methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene**		Benzo(a)pyrene		Benzo(b)fluoranthene**	
			NA	ug/L	NA	ug/L	NA	ug/L	NA	ug/L	NA	ug/L	NA	ug/L	NA	ug/L	NA	ug/L
MW-088		4/28/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-088		4/19/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-088		10/21/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-088		4/6/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-089		4/27/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-089		4/19/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-089		10/22/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-089		4/6/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-090		5/2/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-090		4/18/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-090		10/23/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-090		4/13/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-091		4/18/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-091		10/23/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-091		4/13/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-091		4/7/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-094		5/3/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-094		4/24/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-094		10/27/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-094		4/9/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-095		5/2/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-095		4/23/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-095		10/23/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-095		4/22/2002	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-096		5/10/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-096		4/22/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-096		10/22/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-096		4/6/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-097		5/2/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-097		4/22/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-097		10/21/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-097		4/6/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-098		5/2/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-098		4/23/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-098		10/23/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-098		4/12/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-099		4/9/2004	NA		NA		10		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-099 (Dup-1)		4/9/2004	NA		NA		4.31		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-104		4/22/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-104		10/22/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-104		4/7/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-106		5/1/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-106		4/17/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-106		10/21/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-106		4/5/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-108		5/1/2000	<0.2		<0.2		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
MW-108		4/22/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-108		10/22/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-108		4/6/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-111		4/27/2000	0.36		0.7		<0.1		<0.193		<0.167		<0.0543		<0.0411		<0.0531	
MW-111		4/19/2002	NA		NA		<5		<5		<1		<1		<1		<1	
MW-111		10/22/2003	NA		NA		NA		NA		NA		NA		NA		NA	
MW-111		4/12/2004	NA		NA		<0.247		<0.193		<0.167		<0.0543		<0.0411		<0.0531	

Notes:
 NA No analysis performed
 ug/L Micrograms per liter
 mg/L Milligrams per liter

Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent New Mexico Standards	Benzol(g,h,i)perylene	Benzol(k)fluoranthene** 0.2	Chrysene** 0.2	Dibenzo(a,h)anthracene** 0.3	Fluoranthene tox	Fluorene tox	Indeno(1,2,3-cd)pyrene** 0.4	Naphthalene tox	Phenanthrene tox	Pyrene tox
MW-088	4/28/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-088	4/19/2000	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-088	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-088	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-089	4/27/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-089	4/19/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-089	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-089	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-090	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-090	4/18/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-090	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-090	4/13/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-091	4/18/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-091	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-091	4/13/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	0.495	<0.0762	<0.0873
MW-094	5/3/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-094	4/24/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-094	10/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-094	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-095	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-095	4/23/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-095	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-095	4/12/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-096	5/10/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19	<0.0762	<0.0873
MW-096	4/22/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-096	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-096	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-097	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-097	4/22/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-097	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-097	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-098	5/2/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-098	4/23/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-098	10/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-098	4/12/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-049	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-049 (Dup-1)	4/9/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-104	4/22/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-104	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-104	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-105	5/1/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-105	4/17/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-105	10/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-105	4/5/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-108	5/4/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-108	4/22/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-108	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-108	4/6/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873
MW-111	4/27/2000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-111	4/19/2002	<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<5	<1	<1
MW-111	10/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-111	4/7/2004	<0.0450	<0.0474	<0.0651	<0.0513	<0.149	<0.245	<0.0414	<0.258	<0.0762	<0.0873

Notes:
 NA No analysis performed
 ug/L Micrograms per liter
 mg/L Milligrams per liter

Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene**	Benzo(a)pyrene	Benzo(b)fluoranthene**
	New Mexico Standards	--	--	--	--	tox	0.1	0.7	0.2
	Sample Collection Date								

WQCC
WQCC New Mexico Water Quality Control Commission
A numerical standard has not been established, but the contaminant is listed in a narrative standard of toxic pollutant defined in WQCC regulations.
No standard published
Indicates standard used is the United States Environmental Protection Agency Maximum Contaminant Level
Indicates result at/above the applicable standard
Indicates result above the laboratory detection limit
Indicates the result is below the specified laboratory detection limit

tox
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Appendix B
Summary of Analytical Results for All Semi-Annual Sampling Events
1/1/2000 through 12/31/2004
Polynuclear Aromatic Hydrocarbons

Station or Well Name	Constituent	Benzo(a,h,i)perylene	Benzo(k)fluoranthene**	Chrysene**	Dibenzo(a,h)anthracene**	Fluoranthene tox	Fluorene tox	Indeno(1,2,3-cd)pyrene**	Naphthalene tox	Phenanthrene tox	Pyrene tox
	New Mexico Standards	--	0.2	0.2	0.3			0.4			
	Sample Collection Date										
	WQCC New Mexico Water Quality										

WQCC

A numerical standard has not been established, but the contaminant is listed in a narrative standard of toxic pollutant defined in WQCC regulations.

No standard published

Indicates standard used is the United States Environmental Protection Agency Maximum Contaminant Level

Indicates result at/above the applicable standard

Indicates result above the laboratory detection limit

Indicates the result is below the specified laboratory detection limit

tox

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ARCADIS

Appendix C

Laboratory Analytical Reports
(CD-Rom)

- April 2005 Groundwater
Sampling Event

ARCADIS

Appendix D

Laboratory Analytical Reports

- Monthly VES Air Sampling,
2005



Analytical Laboratory & Geoprobe Sampling

1/18/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on January 14, 2005 for your project; Indian Basin Remediation.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC103-5043

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-000 MW-110	VES-1100 MW-129	VES-200 MW-125	VES-300 MW-85	VES-700 MW-81	VES-800 MW-120	VES-900 MW-83	VES-1000 MW-112	VES-100 VE-19	MDL
HEXANE	ND	6.63	0.17	0.64	15.43	0.61	ND	0.11	ND	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	ND	**ND	**ND	**ND	**ND	**ND	**ND	ND	ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	**ND	ND	**ND	**ND	**ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	**ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	2.81	265.62	13.54	52.51	625.11	99.17	4.91	4.00	5.88	0.07
FILE NAME	V38A2.78A	V38A2.79A	V38A2.80A	V38A2.81A	V38A2.82A	V38A2.83A	V38A2.84A	V38A2.85A	V38A2.86A	
DATE SAMPLED	01/10/05	01/10/05	01/10/05	01/10/05	01/10/05	01/10/05	01/10/05	01/10/05	01/10/05	
DATE RECEIVED	01/14/05	01/14/05	01/14/05	01/14/05	01/14/05	01/14/05	01/14/05	01/14/05	01/14/05	
DATE ANALYZED	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower Method Detection Limit

ND - "Not Detected" at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

18-Jan-05

Reviewed by

Vaportech Services, Inc.

MOC103-5043

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V38A2.76A V38A2.77A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	104.52	2.47
BENZENE	1.25	1.23	1.68
TOLUENE	1.06	1.05	1.42
ETHYL BENZENE	0.92	0.93	1.20
M&P XYLENE	1.84	1.89	2.45
O-XYLENE	0.92	0.96	3.80

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V38A2.75A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.64	0.07

ND - denotes 'Not Detected' above the lower method detection limit

18-Jan-05

Reviewed by 

MOC-103-5043

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. BOX 3487 State: TX Zip: 77253-3487
City: Houston
Proj. Manager: Mr Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Sampler's signature: [Signature]

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide

Permanent Gases: Benzene, Toluene, Ethyl Benzene, m & p - Xylene, o-Xylene

CS-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane

Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform
1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
11/05/94	2	AIR	VES 600 MW 110	H F	HEXANE	C3 - C14
1000			VES 1100 MW 129			
1005			VES 200 MW 125			
1045			VES 300 MW 85			
1100			VES 700 MW 81			
1120			VES 800 MW 120			
1140			VES 900 MW 83			
1150			VES 1000 MW 112			
1105/1200	3	AIR	VES 100 VES 19	H F	HEXANE	C3 - C14

Results to:	MR VIJAY KURKI	HOUSTON TX	Invoice to:	MOC P.O. Box 3487 Houston, TX 77253-3487
Relinquished by:	[Signature]	Company: MOC	Received by:	[Signature]
Relinquished by:		Company:	Received by:	
Relinquished by:		Company:	Received by:	

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

2/17/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on February 11, 2005 for your project; Indian Basin Remediation.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC104-5116

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-600 MW-110	VES-1100 MW-129	VES-200 MW-125	VES-300 MW-85	VES-700 MW-81	VES-800 MW-120	VES-100 MW-123	VES-900 MW-83	VES-1000 MW-112	MDL
HEXANE	ND	10.03	0.09	0.28	12.30	0.45	0.56	ND	0.09	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	ND	**ND	ND	**ND	**ND	**ND	**ND	ND	ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	ND	ND	ND	**ND	**ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	5.90	408.39	6.59	40.32	579.00	83.41	42.58	1.68	2.89	0.07

FILE NAME	V39A.07A	V39A.08A	V39A.09A	V39A.10A	V39A.11A	V39A.12A	V39A.13A	V39A.14A	V39A.15A
DATE SAMPLED	02/07/05	02/07/05	02/07/05	02/07/05	02/07/05	02/07/05	02/07/05	02/07/05	02/07/05
DATE RECEIVED	02/11/05	02/11/05	02/11/05	02/11/05	02/11/05	02/11/05	02/11/05	02/11/05	02/11/05
DATE ANALYZED	02/11/05	02/11/05	02/11/05	02/11/05	02/12/05	02/12/05	02/12/05	02/12/05	02/12/05

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

17-Feb-05

Reviewed by 

Vaportech Services, Inc.

MOC104-5116

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V39A.03A V39A.04A

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V39A.02A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	106.12	4.04
BENZENE	1.25	1.24	0.48
TOLUENE	1.06	1.09	2.64
ETHYL BENZENE	0.92	0.97	5.33
M&P XYLENE	1.84	1.96	6.52
O-XYLENE	0.92	0.96	4.57

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.55	0.07

D - denotes 'Not Detected' above the lower method detection limit

17-Feb-05

Reviewed by 

MOC 104-5116

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. Box 3487 State: TX Zip: 77253-3487
City: Houston
Proj. Manager: Mr Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Sampler's signature: [Signature]

Analysis Options: Enter letters in Requested Analysis columns below.

A	F	BTEX
B	G	BTEX & C5 - C10
C	H	TPH (C4 - C12 range)
D	I	Chlorinated Hydrocarbons
E	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform
1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Number of Containers	Sample Type	Sample Identification	Requested Analysis (Other)	Remarks
2/10/05 9:15	2	AIR	VES 600 MW 110	H F	HEXANE C3-C14
9:35			VES 1100 MW 129		
9:40			VES 200 MW 125		
10:10			VES 300 MW 85		
10:25			VES 700 MW 81		
10:35			VES 800 MW 120		
11:00			VES 100 MW 123		
11:10			VES 900 MW 83*		
2/10/05 11:15	2	AIR	VES 1000 MW 112	H F	HEXANE C3-C14
					* V.I.A1 labelled MW 81

Results to:	Mr Vijay Kurki	Houston, TX	Invoice to:	MOC P.O. Box 3487 Houston, TX 77253-3487
Relinquished by:	[Signature]	Company: MOC	Received by:	Company: VAPORTECH
Relinquished by:		Company:	Received by:	Company:
Relinquished by:		Company:	Received by:	Company:
			Date:	Date:
			Time:	Time:

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

3/17/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on March 11, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written over a horizontal line.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC107-5203

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-300 MW-85	VES-700 MW-81	VES-800 MW-120	VES-100 MW-123	VES-1000 MW-124	VES-900 MW-81	VES-200 MW-125	VES-1100 MW-129	VES-600 MW-110	MDL
HEXANE	0.41	14.28	0.43	0.17	0.79	ND	0.09	6.24	ND	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	**ND	**ND	**ND	**ND	ND	ND	**ND	ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	**ND	**ND	ND	**ND	ND	ND	**ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	55.54	620.67	83.41	10.15	35.40	2.88	6.23	240.44	7.48	0.07
FILE NAME	V39A2.78A	V39A2.79A	V39A2.80A	V39A2.81A	V39A2.82A	V39A2.83A	V39A2.84A	V39A2.85A	V39A2.86A	
DATE SAMPLED	03/07/05	03/07/05	03/07/05	03/07/05	03/07/05	03/07/05	03/07/05	03/07/05	03/07/05	
DATE RECEIVED	03/11/05	03/11/05	03/11/05	03/11/05	03/11/05	03/11/05	03/11/05	03/11/05	03/11/05	
DATE ANALYZED	03/11/05	03/11/05	03/11/05	03/12/05	03/12/05	03/12/05	03/12/05	03/12/05	03/12/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

17-Mar-05

Reviewed by



Vaportech Services, Inc.

MOC107-5203

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V39A2.74A V39A2.75A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	105.24	3.18
BENZENE	1.25	1.19	5.04
TOLUENE	1.06	1.08	1.42
ETHYL BENZENE	0.92	0.93	1.20
M&P XYLENE	1.84	1.89	2.93
O-XYLENE	0.92	0.95	3.70

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V39A2.73A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.35	0.07

ND - denotes 'Not Detected' above the lower method detection limit

17-Mar-05

Reviewed by 

MOC 107-5203

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. Box 3487 State: TX Zip: 77253-3487
City: HOUSTON
Proj. Manager: MR VICTOR KURKE
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713 296 2213 Fax #: 713-499-6746

Frederick

Sampler's signature:

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p - Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, Chloroform
1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
3/7/05	815	2	AIR	VES 300 MW 85	H F	HEXANE	C3 - C14
	850			VES 700 MW 81			
	910			VES 800 MW 120			
	940			VES 100 MW 123			
	945			VES 1000 MW 124			
	950			VES 900 MW 81			
	1010			VES 200 MW 125			
	1015			VES 1100 MW 129			
3/7/05	1030	2	AIR	VES 600 MW 110	H F	HEXANE	C3 - C14

Results to:	Mr Victor Kurke	Company:	MOC	State:	TX	City:	HOUSTON	Zip:	77253-3487
Relinquished by:	<i>Frederick</i>	Relinquished by:	<i>Frederick</i>	Received by:	<i>Frederick</i>	Received by:	<i>Frederick</i>	Date:	3-11-05
Relinquished by:		Relinquished by:		Received by:		Received by:		Date:	
Relinquished by:		Relinquished by:		Received by:		Received by:		Date:	

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

4/22/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on April 19, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC109-5316

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-600 MW-110	VES-200 MW-125	VES-1100 MW-129	VES-300 MW-85	VES-700 MW-81	VES-800 MW-120	VES-900 MW-83	VES-1000 MW-124	VES-100 MW-123	MDL
HEXANE	ND	0.25	9.85	0.25	10.07	0.36	ND	0.38	0.29	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	ND	ND	**ND	**ND	**ND	**ND	ND	ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	ND	**ND	**ND	**ND	**ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	7.03	24.02	384.60	44.13	491.81	100.87	5.54	18.13	13.81	0.07

FILE NAME	V40A1.21A	V40A1.22A	V40A1.23A	V40A1.24A	V40A1.25A	V40A1.26A	V40A1.27A	V40A1.28A	V40A1.29A
DATE SAMPLED	04/12/05	04/12/05	04/12/05	04/12/05	04/12/05	04/12/05	04/12/05	04/12/05	04/12/05
DATE RECEIVED	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05
DATE ANALYZED	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

22-Apr-05

Reviewed by



Vaportech Services, Inc.

MOC109-5316

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V40A1.11A V40A1.13A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	104.81	2.75
BENZENE	1.25	1.25	0.08
TOLUENE	1.06	1.11	5.09
ETHYL BENZENE	0.92	0.99	7.61
M&P XYLENE	1.84	2.02	9.62
O-XYLENE	0.92	1.00	8.80

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V40A1.10A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.66	0.07

ND - denotes 'Not Detected' above the lower method detection limit

22-Apr-05

Reviewed by 

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. Box 3487
City: Houston State: TX Zip: 77253-3487
Proj. Manager: MR. VIJAY KURKI
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713 296 2213 Fax #: 713-499-6746

[Signature]
Sampler's signature:

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HCs: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, Chloroform, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Analysis Options: Enter letters in Requested Analysis columns below.

A	B	C	D	E	F	G	H	I	J
Light Hydrocarbons									
Permanent Gases									
Methane									
Methane, Ethane, Ethylene									
Hydrogen									

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	Remarks
4-12-05	12:30	2	AIR	VES 600 MW 110	H F	HEXANE C3-C14
	1240			VES 200 MW 125		
	1250			VES 1100 MW 129		
	1300			VES 300 MW 85		
	1305			VES 700 MW 81		
	1315			VES 800 MW 120		
	1330			VES 900 MW 83		
	1335			VES 1000 MW 124		
4-12-05	1345	2	AIR	VES 100 MW 123	H F	HEXANE C3-C14

Results to: Mr Vijay Kurki Houston TX Invoice to: MOC P.O. Box 3487 Houston TX 77253-3487

Relinquished by: <u>[Signature]</u>	Relinquished by: <u>[Signature]</u>	Relinquished by: <u>[Signature]</u>	Relinquished by: <u>[Signature]</u>
Company: <u>MOC</u>	Company: <u>VaporTech</u>	Company: <u>[Signature]</u>	Company: <u>[Signature]</u>
Date: <u>4-13-05</u>	Date: <u>4-19-05</u>	Date: <u>[Signature]</u>	Date: <u>[Signature]</u>
Time: <u>2:00PM</u>	Time: <u>9:30</u>	Time: <u>[Signature]</u>	Time: <u>[Signature]</u>

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

5/23/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on May 13, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC110-5389

Marathon Oil Company
Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-1100 MW-129	VES-200 MW-125	VES-300 MW-85	VES-600 MW-110	VES-700 MW-81	VES-800 MW-120	VES-100 MW-123	VES-1000 MW-128	VES-900 MW-81	MDL
HEXANE	7.20	0.20	0.25	ND	10.16	0.41	0.20	14.06	ND	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	**ND	**ND	ND	**ND	**ND	**ND	**ND	ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	ND	**ND	ND	**ND	**ND	ND	**ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	286.89	18.67	26.20	5.60	429.31	73.07	12.12	331.46	2.67	0.07

FILE NAME	V40A3.70A	V40A3.71A	V40A3.72A	V40A3.73A	V40A3.74A	V40A3.75A	V40A3.76A	V40A3.77A	V40A3.78A
DATE SAMPLED	05/09/05	05/09/05	05/09/05	05/09/05	05/09/05	05/09/05	05/09/05	05/09/05	05/09/05
DATE RECEIVED	05/13/05	05/13/05	05/13/05	05/13/05	05/13/05	05/13/05	05/13/05	05/13/05	05/13/05
DATE ANALYZED	05/17/05	05/17/05	05/17/05	05/17/05	05/17/05	05/17/05	05/17/05	05/17/05	05/17/05

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

25-May-05

Reviewed by

Vaportech Services, Inc.

MOC110-5389

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V40A3.68A V40A3.69A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	102.81	0.79
BENZENE	1.25	1.20	3.84
TOLUENE	1.06	1.07	1.04
ETHYL BENZENE	0.92	0.95	3.15
M&P XYLENE	1.84	1.92	4.40
O-XYLENE	0.92	0.95	3.48

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V40A3.67A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.69	0.07

ND - denotes 'Not Detected' above the lower method detection limit

23-May-05

Reviewed by 

MOC 110 5389

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON Oil Company
Address: P.O. Box 3487
City: Houston State: TX Zip: 77253-3487
Proj. Manager: Mr. Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Sampler's signature: _____

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p-Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
5/9/05	9:15	2	AIR	VES 1100 MW 129	H F	HEXANE	C3-C14
5/9/05	9:25			VES 200 MW 126			
	10:00			VES 300 MW 85			
	9:45			VES 600 MW 110			
	10:25			VES 700 MW 81			
	10:45			VES 800 MW 120			
	11:15			VES 100 MW 128			
	11:25			VES 1000 MW 128			
5/9/05	11:35	2	AIR	VES 900 MW 81	H F	HEXANE	C3-C14

Results to: Mr. Vijay Kurki Houston, TX Invoice to: MOC P.O. Box 3487 Houston, TX 77253-3487

Relinquished by: <u>[Signature]</u>	Company: <u>MOC</u>	Date: <u>5/10/05</u>	Time: <u>2 PM</u>	Received by: <u>[Signature]</u>	Company: <u>VAPORTECH Services</u>	Date: <u>5/13/05</u>	Time: <u>9:30</u>
Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

7/5/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on June 24, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in black ink, appearing to read "David J. Masdea".

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC111-5528

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-600 MW-110	VES-300 MW-85	VES-700 MW-81	VES-900 MW-83	VES-1000 MW-128	VES-100 MW-123	VES-1100 MW-129	VES-200 MW-125	MDL
HEXANE	ND	0.17	5.26	ND	8.10	0.35	6.55	ND	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	ND	**ND	**ND	ND	**ND	**ND	**ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	4.91	34.61	305.18	1.68	225.71	31.55	313.43	11.33	0.07
FILE NAME	V41A2.25A	V41A2.26A	V41A2.27A	V41A2.28A	V41A2.29A	V41A2.30A	V41A2.31A	V41A2.32A	
DATE SAMPLED	06/20/05	08/20/05	06/20/05	06/20/05	06/20/05	06/20/05	06/20/05	06/20/05	
DATE RECEIVED	06/24/05	06/24/05	06/24/05	06/24/05	06/24/05	06/24/05	06/24/05	06/24/05	
DATE ANALYZED	06/28/05	06/28/05	06/28/05	06/28/05	06/28/05	06/28/05	06/28/05	06/28/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

05-Jul-05

Reviewed by 

Vaportech Services, Inc.

MOC111-5529

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V41A2.18A V41A2.22A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	100.28	1.68
BENZENE	1.25	1.17	6.80
TOLUENE	1.06	1.04	2.36
ETHYL BENZENE	0.92	0.92	0.11
M&P XYLENE	1.84	1.84	0.11
O-XYLENE	0.92	0.94	2.61

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V41A2.17A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.76	0.07

ND - denotes 'Not Detected' above the lower method detection limit

05-Jul-05

Reviewed by



OC 111 - 5529

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. Box 3487 State: TX Zip: 77253-3487
City: Houston
Proj. Manager: Mr Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone # 713-296-2213 Fax #: 713-499-6746

Sampler's signature: [Signature]

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrahydroethylene (PCE)

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTX
B	Permanent Gases	G	BTX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
6-20-05	10:50	2	AIR	VES 600 MW 110	H F	HEXANE	C3 - C14
	12:10			VES 300 MW 85			
	12:25			VES 700 MW 81			
	12:50			VES 900 MW 83			
	12:55			VES 1000 MW 128			
	13:00			VES 100 MW 123			
	13:30			VES 1100 MW 129			
6-20-05	13:35	2	AIR	VES 200 MW 125	H F	HEXANE	C3 - C14

Results to:	Mr Vijay Kurki	Houston, TX	Invoice to:	MOC P.O.Box 3487 Houston, TX 77253-3487		
Relinquished by:		Company : MOC	Received by:		Date : 6/24/05	Time :
Relinquished by:		Company : MOC	Received by:		Date :	Time :
Relinquished by:		Company : MOC	Received by:		Date :	Time :

WHITE COPY : Laboratory to return.

YELLOW COPY : Laboratory

PINK COPY : Submitter



Analytical Laboratory & Geoprobe Sampling

7/27/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on July 25, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in black ink, appearing to read 'David J. Masdea', is written over a horizontal line.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC112-5616

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-1100 MW129	VES-600 MW110	VES-300 MW85	VES-200 MW85	VES-700 MW81	VES-1000 MW128	VES-900 MW81	VES-100 MW123	MDL
HEXANE	5.55	ND	0.12	2.89	4.05	6.68	ND	0.26	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	**ND	**ND	**ND	**ND	**ND	ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	ND	ND	ND	**ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	243.81	10.31	27.26	83.77	235.13	184.96	1.73	22.98	0.07
FILE NAME	V41A4.96A	V41A4.97A	V41A4.98A	V41A4.99A	V41A5.00A	V41A5.01A	V41A5.02A	V41A5.03A	
DATE SAMPLED	07/18/05	07/18/05	07/18/05	07/18/05	07/18/05	07/18/05	07/18/05	07/18/05	
DATE RECEIVED	07/25/05	07/25/05	07/25/05	07/25/05	07/25/05	07/25/05	07/25/05	07/25/05	
DATE ANALYZED	07/26/05	07/26/05	07/26/05	07/26/05	07/26/05	07/26/05	07/26/05	07/26/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

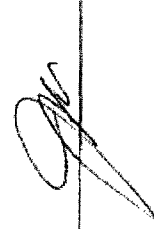
MDL - Lower 'Method Detection Limit'

ND - 'Not Detected' at or above the lower method detection limit

** Target analyte coelutes with interfering unidentified compound.

28-Jul-05

Reviewed by



Vaportech Services, Inc.

OC112-5516

Marathon Oil Company
Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V41A4.84A V41A4.87A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	102.00	99.32	2.63
BENZENE	1.25	1.16	7.28
TOLUENE	1.06	1.02	4.15
ETHYL BENZENE	0.92	0.93	1.41
M&P XYLENE	1.84	1.87	1.47
O-XYLENE	0.92	0.93	1.52

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V41A4.83A

COMPOUND	BLANK (PPMV)	METHOD DETECTION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.72	0.07

ND denotes 'Not Detected' above the lower method detection limit

27-Jul-05

Reviewed by 

MO-112-5616

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON OIL COMPANY
Address: P.O. BOX 3487 State: TX Zip: 77253-3487
City: HOUSTON
Proj. Manager: MR. Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Jewellson

Sampler's signature:

Analysis Options: Enter letters in Requested Analysis columns below.

A	B	C	D	E	F	G	H	I	J
Light Hydrocarbons	Permanent Gases	Methane	Methane, Ethane, Ethylene	Hydrogen	BTEX	BTEX & C5 - C10	TPH (C4 - C12 range)	Chlorinated Hydrocarbons	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane

Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide

BTEX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene

C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane

Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform

1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
7/18/05	8:55am	2	AIR	VES 1100 MW 129	H F	HEXANE	C3 - C14
	9:05am			VES 600 MW 110			
	9:25am			VES 300 MW 85			
	9:40am			VES 200 MW 58			
	9:55am			VES 700 MW 81			
	10:25am			VES 1000 MW 128			
	10:35am			VES 900 MW 81			
7/18/05	10:40am	2	AIR	VES 100 MW 123	H F	HEXANE	C3 - C14

Results to:	Mr. Vijay Kurki	Houston, TX	Invoice to:	MOC P.O. Box 3487	Houston, TX 77253-3487
Relinquished by:	Jewellson	Company: MOC	Relinquished by:	Company: VAPORTECH	Date: 7/25/05
Relinquished by:		Company:	Relinquished by:	Company:	Date: 7/25/05
Relinquished by:		Company:	Relinquished by:	Company:	Date: 7/25/05

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

8/25/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on August 19, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read "David J. Masdea".

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC114-5685

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES600 MW110	VES1100 MW129	VES300 MW85	VES200 MW58	VES700 MW81	VES800 MW120	VES1000 MW81	VES900 MW81	VES100 MW123	PQL
HEXANE	ND	5.92	0.17	1.33	5.32	0.26	5.80	ND	0.46	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	**ND	**ND	**ND	**ND	**ND	**ND	ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	**ND	ND	ND	**ND	**ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	7.03	290.07	17.67	36.28	260.74	62.60	143.63	2.15	31.59	0.07
FILE NAME	V42A2.60A	V42A2.61A	V42A2.62A	V42A2.63A	V42A2.64A	V42A2.65A	V42A2.66A	V42A2.67A	V42A2.68A	
DATE SAMPLED	08/08/05	08/08/05	08/08/05	08/08/05	08/08/05	08/08/05	08/08/05	08/08/05	08/08/05	
DATE RECEIVED	08/19/05	08/19/05	08/19/05	08/19/05	08/19/05	08/19/05	08/19/05	08/19/05	08/19/05	
DATE ANALYZED	08/21/05	08/21/05	08/21/05	08/21/05	08/21/05	08/21/05	08/21/05	08/21/05	08/21/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

PQL - 'Practical Quantitation Limit'

ND - 'Not Detected' at or above the lower practical quantitation limit

** Target analyte coelutes with interfering unidentified compound.

25-Aug-05

Reviewed by



Vaportech Services, Inc.

MOC114-5685

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V42A2.58A V42A2.59A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	98.10	99.69	1.62
BENZENE	1.25	1.24	0.48
TOLUENE	1.06	1.05	1.23
ETHYL BENZENE	0.92	0.90	2.39
M&P XYLENE	1.84	1.80	2.28
O-XYLENE	0.92	0.92	0.11

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V42A2.70A

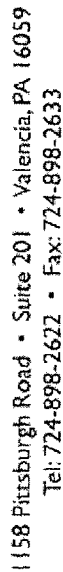
COMPOUND	BLANK (PPMV)	PRACTICAL QUANTITATION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.81	0.07

ND - 'Not Detected' at or above the lower practical quantitation limit

25-Aug-05

Reviewed by 

CHAIN-OF-CUSTODY RECORD



Sampler's signature:

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform
 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
8/8/05	8:05	2	AIR	VES 600 MW 110	H F	HEXANE	C ₃ -C ₁₄
	855			VES 1100 MW 129			
	905			VES 300 MW 85			
	920			VES 200 MW 58			
	930			VES 700 MW 81			
	945			VES 800 MW 120			
	1010			VES 1000 MW 28 *			
	1015			VES 900 MW 81			* VIAL labelled VES 1000 MW 81 - Jm
8/8/05	1020	2	AIR	VES 100 MW 123	H F	HEXANE	C ₃ -C ₁₄

Results to :	MR. VEEAY KUKKI		Houston TX		Invoice to :		MOC P.O. Box 3487		Houston TX		77253-3487	
Relinquished by :	Houston		Company : MOC		Date : 8/16/05		Time : 2:40 PM		Received by :		D.G. Moran	
Relinquished by :			Company :		Date :		Time :		Received by :		Date :	
Relinquished by :			Company :		Date :		Time :		Received by :		Date :	



Analytical Laboratory & Geoprobe Sampling

10/4/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on September 30, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC115-5829

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES1000 MW-128	VES900 VE-19	VES100 MW-113	VES800 MW-120	VES700 MW-81	VES200 MW-58	VES300 MW-85	VES600 MW-110	VES1100 MW-129	PQL
HEXANE	3.86	ND	0.71	0.23	7.82	1.24	0.15	ND	5.81	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	ND	**ND	**ND	**ND	**ND	**ND	ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	ND	ND	ND	**ND	**ND	ND	ND	ND	**ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	**ND	ND	ND	0.07
TOTAL C3-C14 *	137.62	3.10	55.10	50.28	421.36	44.60	26.77	5.36	287.28	0.07
FILE NAME	V43A.94A	V43A.95A	V43A.96A	V43A.97A	V43A.98A	V43A.99A	V43A.100A	V43A.101A	V43A.102A	
DATE SAMPLED	09/19/05	09/19/05	09/19/05	09/19/05	09/19/05	09/19/05	09/19/05	09/19/05	09/19/05	
DATE RECEIVED	09/30/05	09/30/05	09/30/05	09/30/05	09/30/05	09/30/05	09/30/05	09/30/05	09/30/05	
DATE ANALYZED	10/03/05	10/03/05	10/03/05	10/03/05	10/03/05	10/04/05	10/04/05	10/04/05	10/04/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

PQL - "Practical Quantitation Limit"

ND - "Not Detected" at or above the lower practical quantitation limit

** Target analyte coelutes with interfering unidentified compound.

04-Oct-05

Reviewed by

Vaportech Services, Inc.

MOC115-5829

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V43A.90A V43A.91A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	98.10	101.07	3.03
BENZENE	1.25	1.26	0.40
TOLUENE	1.06	1.07	1.23
ETHYL BENZENE	0.92	0.93	1.30
M&P XYLENE	1.84	1.87	1.63
O-XYLENE	0.92	0.93	1.41

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V43A.89A

COMPOUND	BLANK (PPMV)	PRACTICAL QUANTITATION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.86	0.07

ND - 'Not Detected' at or above the lower practical quantitation limit

04-Oct-05

Reviewed by 

CHAIN-OF-CUSTODY RECORD

MOE 115-5829



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MARATHON Oil Company
Address: P.O. Box 3487
City: HOUSTON State: TX Zip: 77253-3487
Proj. Manager: MR VIJAY KURKI
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

J. E. Wilson

Sampler's signature:

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, Iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
9/19/05	0935	2	AIR	VES 1000 MW-128	H F	HEXANE	C3 - C14
	0942			VES 900 BW-19			
	0947			VES 100 MW-113			
	1010			VES 800 MW-120			
	1015			VES 700 MW-81			
	1025			VES 200 MW-58			
	1036			VES 300 MW-85			
	1045			VES 600 MW-110			
9/19/05	1053	2	AIR	VES 1100 MW-129	H F	HEXANE	C3 - C14

Results to:		MOE P.O. Box 3487 Houston, TX 77253-3487	
Relinquished by:	Company:	Received by:	Company:
<i>J. E. Wilson</i>	MOE	<i>D. J. McNeil</i>	VAPORTECH
Relinquished by:	Company:	Received by:	Company:
Relinquished by:	Company:	Received by:	Company:

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

10/19/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on October 17, 2005 for your project: Indian Basin Remediation.

Please give me a call if you have questions or I can be of further assistance. Thank you for using VaporTech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC117-5882

Marathon Oil Company
Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES1100 MW-129	VES600 MW-110	VES300 MW-85	VES200 MW-58	VES700 MW-81	VES800 MW-120	VES900 VE-19	VES1000 MW-128	VES100 MW-113	PQL
HEXANE	5.14	ND	0.11	1.28	5.36	0.12	ND	3.08	0.85	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	ND	**ND	ND	**ND	**ND	ND	**ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	ND	ND	ND	**ND	ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	254.69	6.46	20.04	40.52	260.38	29.32	2.61	102.63	61.34	0.07
FILE NAME	V43A2.62A	V43A2.63A	V43A2.64A	V43A2.65A	V43A2.66A	V43A2.67A	V43A2.68A	V43A2.69A	V43A2.70A	
DATE SAMPLED	10/10/05	10/10/05	10/10/05	10/10/05	10/10/05	10/10/05	10/10/05	10/10/05	10/10/05	
DATE RECEIVED	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	
DATE ANALYZED	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/19/05	10/19/05	10/19/05	

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

PQL - Practical Quantitation Limit

ND - 'Not Detected' at or above the lower practical quantitation limit

** Target analyte coelutes with interfering unidentified compound.

19-Oct-05

Reviewed by



Vaportech Services, Inc.

MOC117-5882

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V43A2.60A V43A2.61A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	98.10	100.18	2.12
BENZENE	1.25	1.25	0.32
TOLUENE	1.06	1.06	0.19
ETHYL BENZENE	0.92	0.93	1.41
M&P XYLENE	1.84	1.91	3.91
O-XYLENE	0.92	0.94	1.96

LABORATORY BLANK RESULTS

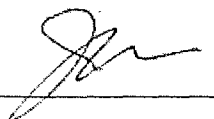
BLANK: N2 IN VIAL
FILE NAME: V43A2.59A

COMPOUND	BLANK (PPMV)	PRACTICAL QUANTITATION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.50	0.07

ND - 'Not Detected' at or above the lower practical quantitation limit

19-Oct-05

Reviewed by



MOC 117-5882

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: Marathon Oil Company
Address: P.O. Box 3487
City: Houston State: TX Zip: 77253-3487
Proj. Manager: Mr Vijay Kurki
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Jewellson

Sampler's signature:

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p - Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform
1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
10/06/05	0810	2	AIR	VES1100 MW129	H F	HEXANE	C3 - C14
	0825			VES600 MW110			
	0855			VES300 MW85			
	0905			VES200 MW58			
	0935			VES700 MW81			
	0950			VES800 MW120			
	1030			VES900 VE-19			
	1025			VES1000 MW-128			
10/06/05	1020	2	AIR	VES100 MW-113	H F	HEXANE	C3 - C14

Results to:	Mr Vijay Kurki	Houston, TX	Invoice to:	MOC P.O. Box 3487 Houston, TX	77253-3487
Relinquished by:	<i>Jewellson</i>	Company: MOC	Received by:	PT. Moore	Company: VAPORTECH
Relinquished by:		Company:	Received by:		Company:
Relinquished by:		Company:	Received by:		Company:

WHITE COPY: Laboratory to return.

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

11/14/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on November 11, 2005 for your project; Indian Basin Remediation Project.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in black ink, appearing to read 'David J. Masdea', written in a cursive style.

David J. Masdea

Enclosure;

Vaportech Services, Inc.

MOC119-5964

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES1100 MW-129	VES600 MW-110	VES300 MW-85	VES200 MW-58	VES700 MW-81	VES800 MW-120	VES900 VE-19	VES1000 MW-128	VES100 MW-123	PQL
HEXANE	5.37	ND	0.11	1.53	4.87	0.15	ND	3.16	0.13	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	ND	**ND	**ND	**ND	**ND	ND	ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	ND	**ND	ND	**ND	**ND	ND	**ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	269.17	3.67	27.73	44.70	319.09	43.13	2.47	109.89	13.70	0.07

FILE NAME	V43A2 62A	V43A2 63A	V43A2 64A	V43A2 65A	V43A2 66A	V43A2 67A	V43A2 68A	V43A2 69A	V43A2 70A
DATE SAMPLED	11/07/05	11/07/05	11/07/05	11/07/05	11/07/05	11/07/05	11/07/05	11/07/05	11/07/05
DATE RECEIVED	11/11/05	11/11/05	11/11/05	11/11/05	11/11/05	11/11/05	11/11/05	11/11/05	11/11/05
DATE ANALYZED	11/11/05	11/11/05	11/12/05	11/12/05	11/12/05	11/12/05	11/12/05	11/12/05	11/12/05

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

PQL - 'Practical Quantitation Limit'

ND - 'Not Detected' at or above the lower practical quantitation limit

** Target analyte coelutes with interfering unidentified compound.

17-Nov-05

Reviewed by 

Vaportech Services, Inc.

MOC119-5964

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V43A4.61A V43A4.64A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	98.10	98.33	0.24
BENZENE	1.25	1.24	1.12
TOLUENE	1.06	1.06	0.28
ETHYL BENZENE	0.92	0.91	1.20
M&P XYLENE	1.84	1.85	0.71
O-XYLENE	0.92	0.93	0.65

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V43A4.60A

COMPOUND	BLANK (PPMV)	PRACTICAL QUANTITATION LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.38	0.07

ND - 'Not Detected' at or above the lower practical quantitation limit

14-Nov-05

Reviewed by 

VAPORTECH
Services, Inc.

MARKATHON OIL COMPANY

Company Name: MITIGATION CELL COMPLAINT
Address: P.O. Box 3487

City: Houston State: TX Zip: 77253-3487

Proj. Manager: Mr Vijay Kurki

Proj. Location: Indian Basin Remediation Project

Proj. Number: _____

Phone #: 713-296-2213 Fax #: 713-499-6746

Sampler's signature: Ed Wilson

Sampler's signature:

Analysis Options:		Enter letters in Requested Analysis columns below.	
A	Light Hydrocarbons		H
B	Permanent Gases		G
C	Methane		M
D	Methane, Ethane, Ethylene		E
E	Hydrogen		H
			BTEX
			BTEX & C5 - C10
			TPH (C4 - C12 range)
			Chlorinated Hydrocarbons
			624 Compound List

Analysis Options:

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
 Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
 BTX: Benzene, Toluene, Ethyl Benzene, m & p -Xylene, o-Xylene
 C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
 Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethene

Collection Date	Number of Containers	Sample Type	Sample Identification	Requested Analysis	Remarks
11/7/05 0900	2	AIR	VES 1100 MW 129	H F	C3 - C14
0915			VES 600 MW 110		
0925			VES 300 MW 85 *		
0945			VES 200 MW 58		
0955			VES 700 MW 81		
1010			VES 800 MW 120		
1045			VES 900 VE-19		
1055			VES 1000 MW 128		
11/7/05 1040	2	AIR	VES 100 MW 123	H F	C3 - C14

Results in :

Results to : Mr. Vijay Kurki	Invited to : Houston, TX	77253-3487
---------------------------------	-----------------------------	------------

Rel: attached by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Jewellson	mc	11/8/05	2pm	Martinez	Chapman	11/11/05	945
Rel: attached by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY: Laboratory to Return

YELLOW COPY: Laboratory

PINK COPY: Submitter



Analytical Laboratory & Geoprobe Sampling

12/28/05

Mr. Vijay Kurki
Marathon Oil Company
Southern Business Unit
P.O. Box 3487
Houston, TX 77253

Dear Vijay:

Enclosed are the sample data report, chain of custody record and quality control data for the samples received on December 19, 2005 for your project; Indian Basin Remediation.

Please give me a call if you have questions or I can be of further assistance. Thank you for using Vaportech Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'David J. Masdea', written over a horizontal line.

David J. Masdea

Enclosure:

Vaportech Services, Inc.

MOC122-51099

Marathon Oil Company Project: Indian Basin Remediation Project

CONCENTRATIONS IN PPMV

COMPOUND	VES-1100 MW-129	VES-600 MW-110	VES-300 MW-85	VES-200 MW-58	VES-700 MW-81	VES-800 MW-120	VES-900 VE-19	VES-1000 MW-128	VES-100 MW-123	PQL
HEXANE	5.38	ND	0.09	0.62	4.70	0.09	ND	3.59	0.13	0.07
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOLUENE	**ND	ND	**ND	**ND	**ND	**ND	ND	**ND	**ND	0.07
ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
M&P XYLENE	**ND	ND	ND	ND	**ND	ND	ND	ND	ND	0.07
O-XYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07
TOTAL C3-C14 *	258.54	2.99	17.68	21.33	253.09	20.63	4.88	118.51	13.06	0.07

FILE NAME	V44A3.16A	V44A3.17A	V44A3.18A	V44A3.19A	V44A3.20A	V44A3.21A	V44A3.22A	V44A3.23A	V44A3.24A
DATE SAMPLED	12/12/05	12/12/05	12/12/05	12/12/05	12/12/05	12/12/05	12/12/05	12/12/05	12/12/05
DATE RECEIVED	12/19/05	12/19/05	12/19/05	12/19/05	12/19/05	12/19/05	12/19/05	12/19/05	12/19/05
DATE ANALYZED	12/22/05	12/22/05	12/22/05	12/22/05	12/22/05	12/22/05	12/22/05	12/22/05	12/22/05

* Includes the total of all identified and unidentified compounds in the C3-C14 hydrocarbon range, calculated using the sensitivity of hexane

PQL - 'Practical Quantitation Limit'

ND - 'Not Detected' at or above the lower practical quantitation limit

** Target analyte coelutes with interfering unidentified compound.

28-Dec-05

Reviewed by



Vaportech Services, Inc.

MOC122-51099

Marathon Oil Company Project: Indian Basin Remediation Project

QUALITY CONTROL

CONTINUING CALIBRATION CHECK

STANDARDS: V21-R4 STD 220
FILE NAME: V44A3.05A V44A3.08A

COMPOUND	KNOWN (PPMV)	RESULT (PPMV)	PERCENT DIFFERENCE
HEXANE	98.10	101.76	3.73
BENZENE	1.25	1.22	2.72
TOLUENE	1.06	1.04	1.60
ETHYL BENZENE	0.92	0.90	2.72
M&P XYLENE	1.84	1.83	0.71
O-XYLENE	0.92	0.91	0.76

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
FILE NAME: V44A3.04A

COMPOUND	PRACTICAL QUANTITATION	
	BLANK (PPMV)	LIMIT (PPMV)
HEXANE	ND	0.07
BENZENE	ND	0.07
TOLUENE	ND	0.07
ETHYL BENZENE	ND	0.07
M&P XYLENE	ND	0.07
O-XYLENE	ND	0.07
TOTAL C3-C14	0.53	0.07

ND - 'Not Detected' at or above the lower practical quantitation limit

28-Dec-05

Reviewed by 

MOX122-51079

CHAIN-OF-CUSTODY RECORD



1158 Pittsburgh Road • Suite 201 • Valencia, PA 16059
Tel: 724-898-2622 • Fax: 724-898-2633

Company Name: MAKATHON OIL COMPANY
Address: P.O. Box 3487
City: HOUSTON State: TX Zip: 77253-3487
Proj. Manager: MR VIJAY KURKI
Proj. Location: Indian Basin Remediation Project
Proj. Number: _____
Phone #: 713-296-2213 Fax #: 713-499-6746

Sampler's signature: Jewellson

Analysis Options: Enter letters in Requested Analysis columns below.

A	Light Hydrocarbons	F	BTEX
B	Permanent Gases	G	BTEX & C5 - C10
C	Methane	H	TPH (C4 - C12 range)
D	Methane, Ethane, Ethylene	I	Chlorinated Hydrocarbons
E	Hydrogen	J	624 Compound List

Light Hydrocarbons: Methane, Ethane, Ethylene, Propane, Propylene, iso-Butane, n-Butane
Permanent Gases: Carbon Dioxide, Oxygen, Nitrogen, Methane, Carbon Monoxide
BTEX: Benzene, Toluene, Ethyl Benzene, m & p - Xylene, o-Xylene
C5-C10: Pentane, Hexane, Heptane, Octane, Nonane, Decane
Chlorinated HC: 1,1-DCE, 1,1-DCA, Methylene Chloride, trans-1,2-DCE, cis-1,2-DCE, Chloroform, 1,1,1-TCA, Carbon Tetrachloride, Trichloroethylene (TCE), Tetrachloroethylene (PCE)

Collection Date	Time	Number of Containers	Sample Type	Sample Identification	Requested Analysis	(Other)	Remarks
12/14/05	8:10am	2	AIR	VES 1100 MW 129	H F	HEXANE	C3-C14
	8:30am			VES 600 MW 110			
	8:50am			VES 300 MW-85			
	9:10am			VES 200 MW-58			
	9:25am			VES 100 MW-81			
	9:40am			VES 800 MW-120			
	10:20			VES 900 VE-19			
	10:30			VES 1000 MW-128			
12/14/05	10:35	2	AIR	VES 100 MW-123	H F	HEXANE	C3-C14

Results to:		Invoice to:	
Mr Vijay Kurki Houston, TX		MOC P.O. Box 3487 Houston, TX 77253-3487	
Relinquished by:	Company:	Received by:	Company:
Jewellson	MOC	Makathon Remediation	VAPORTECH
Relinquished by:	Company:	Received by:	Company:
Relinquished by:	Company:	Received by:	Company:

WHITE COPY : Laboratory to return.

YELLOW COPY : Laboratory

PINK COPY : Submitter

ARCADIS

Appendix E

USEPA Low-flow Purging and
Sampling Procedures

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION II

GROUND WATER SAMPLING PROCEDURE
LOW STRESS (Low Flow) PURGING AND SAMPLING

I. SCOPE & APPLICATION

This Low Stress (or Low-Flow) Purging and Sampling Procedure is the EPA Region II standard method for collecting low stress (low flow) ground water samples from monitoring wells. Low stress Purging and Sampling results in collection of ground water samples from monitoring wells that are representative of ground water conditions in the geological formation. This is accomplished by minimizing stress on the geological formation and minimizing disturbance of sediment that has collected in the well. The procedure applies to monitoring wells that have an inner casing with a diameter of 2.0 inches or greater, and maximum screened intervals of ten feet unless multiple intervals are sampled. The procedure is appropriate for collection of ground water samples that will be analyzed for volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and microbiological and other contaminants in association with all EPA programs.

This procedure does not address the collection of light or dense non-aqueous phase liquids (LNAPL or DNAPL) samples, and should be used for aqueous samples only. For sampling NAPLs, the reader is referred to the following EPA publications: DNAPL Site Evaluation (Cohen & Mercer, 1993) and the RCRA Ground-Water Monitoring: Draft Technical Guidance (EPA/530-R-93-001), and references therein.

II. METHOD SUMMARY

The purpose of the low stress purging and sampling procedure is to collect ground water samples from monitoring wells that are representative of ground water conditions in the geological formation. This is accomplished by setting the intake velocity of the sampling pump to a flow rate that limits drawdown inside the well casing.

Sampling at the prescribed (low) flow rate has three primary benefits. First, it minimizes disturbance of sediment in the bottom of the well,

thereby producing a sample with low turbidity (i.e., low concentration of suspended particles). Typically, this saves time and analytical costs by eliminating the need for collecting and analyzing an additional filtered sample from the same well. Second, this procedure minimizes aeration of the ground water during sample collection, which improves the sample quality for VOC analysis. Third, in most cases the procedure significantly reduces the volume of ground water purged from a well and the costs associated with its proper treatment and disposal.

III. ADDRESSING POTENTIAL PROBLEMS

Problems that may be encountered using this technique include a) difficulty in sampling wells with insufficient yield; b) failure of one or more key indicator parameters to stabilize; c) cascading of water and/or formation of air bubbles in the tubing; and d) cross-contamination between wells.

Insufficient Yield

Wells with insufficient yield (i.e., low recharge rate of the well) may dewater during purging. Care should be taken to avoid loss of pressure in the tubing line due to dewatering of the well below the level of the pump's intake. Purging should be interrupted before the water level in the well drops below the top of the pump, as this may induce cascading of the sand pack. Pumping the well dry should therefore be avoided to the extent possible in all cases. Sampling should commence as soon as the volume in the well has recovered sufficiently to allow collection of samples. Alternatively, ground water samples may be obtained with techniques designed for the unsaturated zone, such as lysimeters.

Failure to Stabilize Key Indicator Parameters

If one or more key indicator parameters fails to stabilize after 4 hours, one of four options should be considered: a) continue purging in an attempt to achieve stabilization; b) discontinue purging, do not collect samples, and document attempts to reach stabilization in the log book; c) discontinue purging, collect samples, and document attempts to reach stabilization in the log book; or d) Secure the well, purge and collect samples the next day (preferred). The key indicator parameter for samples to be analyzed for VOCs is dissolved

oxygen. The key indicator parameter for all other samples is turbidity.

Cascading

To prevent cascading and/or air bubble formation in the tubing, care should be taken to ensure that the flow rate is sufficient to maintain pump suction. Minimize the length and diameter of tubing (i.e., 1/4 or 3/8 inch ID) to ensure that the tubing remains filled with ground water during sampling.

Cross-Contamination

To prevent cross-contamination between wells, it is strongly recommended that dedicated, in-place pumps be used. As an alternative, the potential for cross-contamination can be reduced by performing the more thorough "daily" decontamination procedures between sampling of each well in addition to the start of each sampling day (see Section VII, below).

Equipment Failure

Adequate equipment should be on-hand so that equipment failures do not adversely impact sampling activities.

IV. PLANNING DOCUMENTATION AND EQUIPMENT

- Approved site-specific Field Sampling Plan/Quality Assurance Project Plan (QAPP). This plan must specify the type of pump and other equipment to be used. The QAPP must also specify the depth to which the pump intake should be lowered in each well. Generally, the target depth will correspond to the mid-point of the most permeable zone in the screened interval. Borehole geologic and geophysical logs can be used to help select the most permeable zone. However, in some cases, other criteria may be used to select the target depth for the pump intake. In all cases, the target depth must be approved by the EPA hydrogeologist or EPA project scientist.
- Well construction data, location map, field data from last sampling event.
- Polyethylene sheeting.

- Flame Ionization Detector (FID) and Photo Ionization Detector (PID).
- Adjustable rate, positive displacement ground water sampling pump (e.g., centrifugal or bladder pumps constructed of stainless steel or Teflon). A peristaltic pump may only be used for inorganic sample collection.
- Interface probe or equivalent device for determining the presence or absence of NAPL.
- Teflon or Teflon-lined polyethylene tubing to collect samples for organic analysis. Teflon or Teflon-lined polyethylene, PVC, Tygon or polyethylene tubing to collect samples for inorganic analysis. Sufficient tubing of the appropriate material must be available so that each well has dedicated tubing.
- Water level measuring device, minimum 0.01 foot accuracy, (electronic preferred for tracking water level drawdown during all pumping operations).
- Flow measurement supplies (e.g., graduated cylinder and stop watch or in-line flow meter).
- Power source (generator, nitrogen tank, etc.).
- Monitoring instruments for indicator parameters. Eh and dissolved oxygen must be monitored in-line using an instrument with a continuous readout display. Specific conductance, pH, and temperature may be monitored either in-line or using separate probes. A nephelometer is used to measure turbidity.
- Decontamination supplies (see Section VII, below).
- Logbook (see Section VIII, below).
- Sample bottles.
- Sample preservation supplies (as required by the analytical methods).
- Sample tags or labels, chain of custody.

V. SAMPLING PROCEDURES

Pre-Sampling Activities

1. Start at the well known or believed to have the least contaminated ground water and proceed systematically to the well with the most contaminated ground water. Check the well, the lock, and the locking cap for damage or evidence of tampering. Record observations.
2. Lay out sheet of polyethylene for placement of monitoring and sampling equipment.
3. Measure VOCs at the rim of the unopened well with a PID and FID instrument and record the reading in the field log book.
4. Remove well cap.
5. Measure VOCs at the rim of the opened well with a PID and an FID instrument and record the reading in the field log book.
6. If the well casing does not have a reference point (usually a V-cut or indelible mark in the well casing), make one. Note that the reference point should be surveyed for correction of ground water elevations to the mean geodesic datum (MSL).
7. Measure and record the depth to water (to 0.01 ft) in all wells to be sampled prior to purging. Care should be taken to minimize disturbance in the water column and dislodging of any particulate matter attached to the sides or settled at the bottom of the well.
8. If desired, measure and record the depth of any NAPLs using an interface probe. Care should be taken to minimize disturbance of any sediment that has accumulated at the bottom of the well. Record the observations in the log book. If LNAPLs and/or DNAPLs are detected, install the pump at this time, as described in step 9, below. Allow the well to sit for several days between the measurement or sampling of any DNAPLs and the low-stress purging and sampling of the ground water.

Sampling Procedures

9. **Install Pump:** Slowly lower the pump, safety cable, tubing and electrical lines into the well to the depth specified for that well in the EPA-approved QAPP or a depth otherwise approved by the EPA hydrogeologist or EPA project scientist. The pump intake must be kept at least two (2) feet above the bottom of the well to prevent disturbance and resuspension of any sediment or NAPL present in the bottom of the well. Record the depth to which the pump is lowered.
10. **Measure Water Level:** Before starting the pump, measure the water level again with the pump in the well. Leave the water level measuring device in the well.
11. **Purge Well:** Start pumping the well at 200 to 500 milliliters per minute (ml/min). The water level should be monitored approximately every five minutes. Ideally, a steady flow rate should be maintained that results in a stabilized water level (drawdown of 0.3 ft or less). Pumping rates should, if needed, be reduced to the minimum capabilities of the pump to ensure stabilization of the water level. As noted above, care should be taken to maintain pump suction and to avoid entrainment of air in the tubing. Record each adjustment made to the pumping rate and the water level measured immediately after each adjustment.
12. **Monitor Indicator Parameters:** During purging of the well, monitor and record the field indicator parameters (turbidity, temperature, specific conductance, pH, Eh, and DO) approximately every five minutes. The well is considered stabilized and ready for sample collection when the indicator parameters have stabilized for three consecutive readings as follows (Puls and Barcelona, 1996):
 - ±0.1 for pH
 - ±3% for specific conductance (conductivity)
 - ±10 mv for redox potential
 - ±10% for DO and turbidity

Dissolved oxygen and turbidity usually require the longest time to achieve stabilization. The pump must not be removed from the well between purging and sampling.

13. **Collect Samples:** Collect samples at a flow rate between 100 and 250 ml/min and such that drawdown of the water level within the well does not exceed the maximum allowable drawdown of 0.3 ft. VOC samples must be collected first and directly into sample

containers. All sample containers should be filled with minimal turbulence by allowing the ground water to flow from the tubing gently down the inside of the container.

Ground water samples to be analyzed for volatile organic compounds (VOCs) require pH adjustment. The appropriate EPA Program Guidance should be consulted to determine whether pH adjustment is necessary. If pH adjustment is necessary for VOC sample preservation, the amount of acid to be added to each sample vial prior to sampling should be determined, drop by drop, on a separate and equal volume of water (e.g., 40 ml). Ground water purged from the well prior to sampling can be used for this purpose.

14. Remove Pump and Tubing: After collection of the samples, the tubing, unless permanently installed, must be properly discarded or dedicated to the well for resampling by hanging the tubing inside the well.
15. Measure and record well depth.
16. Close and lock the well.

VI. FIELD QUALITY CONTROL SAMPLES

Quality control samples must be collected to determine if sample collection and handling procedures have adversely affected the quality of the ground water samples. The appropriate EPA Program Guidance should be consulted in preparing the field QC sample requirements of the site-specific QAPP.

All field quality control samples must be prepared exactly as regular investigation samples with regard to sample volume, containers, and preservation. The following quality control samples should be collected during the sampling event:

- > Field duplicates
- > Trip blanks for VOCs only
- > Equipment blank (not necessary if equipment is dedicated to the well)

As noted above, ground water samples should be collected systematically from wells with the lowest level of contamination through to wells with highest level of contamination. The equipment

blank should be collected after sampling from the most contaminated well.

VII. DECONTAMINATION

Non-disposable sampling equipment, including the pump and support cable and electrical wires which contact the sample, must be decontaminated thoroughly each day before use ("daily decon") and after each well is sampled ("between-well decon"). Dedicated, in-place pumps and tubing must be thoroughly decontaminated using "daily decon" procedures (see #17, below) prior to their initial use. For centrifugal pumps, it is strongly recommended that non-disposable sampling equipment, including the pump and support cable and electrical wires in contact with the sample, be decontaminated thoroughly each day before use ("daily decon").

EPA's field experience indicates that the life of centrifugal pumps may be extended by removing entrained grit. This also permits inspection and replacement of the cooling water in centrifugal pumps. All non-dedicated sampling equipment (pumps, tubing, etc.) must be decontaminated after each well is sampled ("between-well decon," see #18 below).

17. Daily Decon

A) Pre-rinse: Operate pump in a deep basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

B) Wash: Operate pump in a deep basin containing 8 to 10 gallons of a non-phosphate detergent solution, such as Alconox, for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes. Use the detergent sparingly.

C) Rinse: Operate pump in a deep basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

D) Disassemble pump.

E) Wash pump parts: Place the disassembled parts of the pump into a deep basin containing 8 to 10 gallons of non-phosphate

detergent solution. Scrub all pump parts with a test tube brush.

F) Rinse pump parts with potable water.

G) Rinse the following pump parts with distilled/ deionized water: inlet screen, the shaft, the suction interconnector, the motor lead assembly, and the stator housing.

H) Place impeller assembly in a large glass beaker and rinse with 1% nitric acid (HNO_3).

I) Rinse impeller assembly with potable water.

J) Place impeller assembly in a large glass beaker and rinse with isopropanol.

K) Rinse impeller assembly with distilled/deionized water.

18. Between-Well Decon

A) Pre-rinse: Operate pump in a deep basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

B) Wash: Operate pump in a deep basin containing 8 to 10 gallons of a non-phosphate detergent solution, such as Alconox, for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes. Use the detergent sparingly.

C) Rinse: Operate pump in a deep basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

D) Final Rinse: Operate pump in a deep basin of distilled/deionized water to pump out 1 to 2 gallons of this final rinse water.

VIII. FIELD LOG BOOK

A field log book must be kept each time ground water monitoring activities are conducted in the field. The field log book should document the following:

- Well identification number and physical condition.
- Well depth, and measurement technique.
- Static water level depth, date, time, and measurement technique.
- Presence and thickness of immiscible liquid layers and detection method.
- Collection method for immiscible liquid layers.
- Pumping rate, drawdown, indicator parameters values, and clock time, at three to five minute intervals; calculate or measure total volume pumped.
- Well sampling sequence and time of sample collection.
- Types of sample bottles used and sample identification numbers.
- Preservatives used.
- Parameters requested for analysis.
- Field observations of sampling event.
- Name of sample collector(s).
- Weather conditions.
- QA/QC data for field instruments.

IX. REFERENCES

Cohen, R.M. and J.W. Mercer, 1993, DNAPL Site Evaluation, C.K. Smoley Press, Boca Raton, Florida.

Puls, R.W. and M.J. Barcelona, 1996, Low-Flow (Minimal Drawdown) Ground-water Sampling Procedures, EPA/540/S-95/504.

U.S. EPA, 1993, RCRA Ground-Water Monitoring: Draft Technical Guidance, EPA/530-R-93-001.

U.S. EPA Region II, 1989, CERCLA Quality Assurance Manual.