ENVIRONMENTAL RESTORATION PROJECT

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Date: November 5, 2001
Refer to: ER2001-0928

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SUBJECT: SUPPLEMENT TO QUARTERLY TECHNICAL REPORT FOR APRIL THROUGH JUNE 2001

Dear Mr. Young:

Enclosed are three copies of the Environmental Restoration (ER) Project's Supplement to the Quarterly Technical Report, April Through June 2001. This Supplement to the Quarterly Technical Report presents hydrogeochemical data that were unavailable for the April through June 2001 quarterly report. Also enclosed is a certification statement signed by the designee owner and operator for the Los Alamos National Laboratory. The ER Project anticipates no additional supplements in the future. This supplement is available on the Environmental Restoration Project Web site at http://erproject.lanl.gov.

If you have questions regarding this report, please contact Dave McInroy at (505) 667–0819 or Mat Johansen at (505) 665–5046.

Sincerely,

Julie A. Canepa, Program Manager
Los Alamos National Laboratory
Environmental Restoration

Sincerely,

Mat Johansen, Project Manager
Department of Energy
Los Alamos Area Office

8200

JC/MJ/MB/vn

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(2) Certification

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ENVIRONMENTAL RESTORATION PROJECT

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ENVIRONMENTAL RESTORATION PROJECT

A Department of Energy
Environmental Cleanup Program

LA-UR-01-6021
November 5, 2001
ER2001-0824

Supplement to Quarterly Technical Report April–June 2001

Los Alamos
NATIONAL LABORATORY
Los Alamos NM 87545

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SUPPLEMENT TO

QUARTERLY TECHNICAL REPORT

APRIL–JUNE 2001

LOS ALAMOS NATIONAL LABORATORY

ENVIRONMENTAL RESTORATION PROJECT

ALBUQUERQUE OPERATIONS OFFICE

CONTRACTOR: University of California

PROJECT MANAGER: Julie Canepa

NUMBER OF POTENTIAL RELEASE SITES: Approximately 2,000

POTENTIAL WASTE: Radionuclides, High Explosives, Metals, Organics

INTRODUCTION

This supplement to the Los Alamos National Laboratory Environmental Restoration (ER) Project's Quarterly Technical Report for April–June, submitted to the New Mexico Environment Department (NMED) on August 14, 2001, provides hydrogeochemical data for intermediate-depth and regional groundwater collected from six wells installed as part of the Hydrogeologic Workplan. These data were unavailable at the time of the April–June 2001 quarterly report because ER personnel normally assigned to query and validate groundwater analytical data were reassigned to fulfill an NMED request for data in support of the Hazardous Waste Facility Permit reapplication. The hydrogeochemical data in this supplement are provided at this time to ensure timely dissemination of new information to regulators and stakeholders.

Groundwater Sampling Results

This supplement contains hydrogeochemical data for regional wells R-9, R-12, R-15, R-19, R-22, and R-25 (see Tables 1 through 70). Inorganic chemical, organic chemical, and radionuclide data are provided for each well. Field parameters, including pH, electrical conductivity, temperature, and alkalinity, are presented in the inorganic chemical tables. Screens, depths, and sampling dates are shown in each of the tables for reference.

Because of a delay in analytical services, the N15/N14 isotopic suite is not available and will be reported at a later date. In addition, with the exception of well R-25, the high-explosives data suite is currently undergoing a focused validation and is not reported in this data set. The remaining high-explosives data will be reported at a later date, upon completion of the focused validation.

Table 1
Samples Taken at Regional Wells

Sample ID	Location ID	Field Preparation	Depth (ft)	Media	Alkalinity	Anions[a]	Cyanide	Non-TAL Metals[b]	Phosphorus	Stable Isotopes	TAL Metals	Total Kjeldahl Nitrogen	Uranium	DOC[c]
Regional Well R-9														
GW09-01-0002	LA-00168	F[d]	741	GW	—[e]	—	—	8326R	—	—	8331R	—	8331R	—
GW09-01-0004	LA-00168	F	741	GW	8336R	8338R	—	—	8336R	—	—	8337R	—	—
GW09-01-0001	LA-00168	NF[f]	741	GW	—	—	8326R	8326R	—	8330R	8331R	—	8331R	—
GW09-01-0003	LA-00168	NF	741	GW	—	—	—	—	—	—	—	—	—	—
Regional Well R-12														
GW12-01-0002	SA-00006	F	468	GW	8481R	8481R	—	8481R	8481R	—	8483R	8482R	8483R	—
GW12-01-0004	SA-00006	F	507	GW	8503R	8503R	—	8503R	8503R	—	8503R	8508R	8491R	—
GW12-01-0006	SA-00006	F	811	GW	8510R	8512R	—	8510R	8510R	—	8514R	8513R	8514R	—
GW12-01-0001	SA-00006	NF	468	GW	—	—	8481R	8481R	—	8484R	8483R	—	8483R	—
GW12-01-0003	SA-00006	NF	507	GW	—	—	8503R	8503R	—	8504R	8503R	—	8491R	—
GW12-01-0005	SA-00006	NF	811	GW	—	—	8510R	8510R	—	8516R	8515R	—	8515R	—
Regional Well R-15														
RW15-01-0002	MO-00051	F	986	GW	8343R	8345R	—	8343R	8343R	—	8346R	8344R	8346R	—
RW15-01-0001	MO-00051	NF	986	GW	—	—	8343R	8343R	—	8347R	8346R	—	8346R	—
Regional Well R-19														
GW19-01-0004	TH-10000	F	909	GW	8665R	8666R	—	8665R	8665R	—	8668R	8667R	8668R	—
GW19-01-0006	TH-10000	F	1190	GW	8665R	8666R	—	8665R	8665R	—	8668R	—	8668R	—
GW19-01-0008	TH-10000	F	1412	GW	8665R	8666R	—	8665R	8665R	—	8668R	—	8668R	—
GW19-01-0010	TH-10000	F	1586	GW	8641R	8642R	—	8641R	8641R	—	8643R	8645R	8643R	—
GW19-01-0016	TH-10000	F	1586	GW	8641R	8642R	—	8641R	8641R	—	8643R	8645R	8643R	—
GW19-01-0012	TH-10000	F	1730	GW	8608R	8608R	—	8608R	8608R	—	8610R	8609R	8610R	—
GW19-01-0014	TH-10000	F	1834	GW	8560R	8561R	—	8560R	8560R	—	8563R	8562R	8563R	—
GW19-01-0003	TH-10000	NF	909	GW	—	—	8665R	8665R	—	8669R	8668R	—	8668R	—
GW19-01-0005	TH-10000	NF	1190	GW	—	—	8665R	8665R	—	8669R	8668R	—	8668R	—

Table 1 (continued)

Sample ID	Location ID	Field Preparation	Depth (ft)	Media	Alkalinity	Anions[a]	Cyanide	Non-TAL Metals[b]	Phosphorus	Stable Isotopes	TAL Metals	Total Kjeldahl Nitrogen	Uranium	DOC[c]
Regional Well R-19 (continued)														
GW19-01-0007	TH-10000	NF	1412	GW	—	—	8649R	8649R	—	8652R	8650R	—	8650R	—
GW19-01-0009	TH-10000	NF	1586	GW	—	—	8633R	8633R	—	8635R	8634R	—	8634R	—
GW19-01-0015	TH-10000	NF	1586	GW	—	—	8633R	8633R	—	8635R	8634R	—	8634R	—
GW19-01-0011	TH-10000	NF	1730	GW	—	—	8590R	8590R	—	8592R	8591R	—	8591R	—
GW19-01-0013	TH-10000	NF	1834	GW	—	—	8548R	8548R	—	8550R	8549R	—	8549R	—
Regional Well R-22														
GW22-01-0002	54-15421	F	906	GW	8466R	8467R	—	8466R	8466R	—	8469R	—	8469R	8470R
GW22-01-0004	54-15421	F	962	GW	8451R	8452R	—	8451R	8451R	—	8454R	8453R	8454R	—
GW22-01-0006	54-15421	F	1273	GW	8425R	8426R	—	8425R	8425R	—	8428R	8427R	8428R	8429R
GW22-01-0008	54-15421	F	1379	GW	8413R	8414R	—	8413R	8413R	—	8416R	8415R	8416R	8417R
GW22-01-0010	54-15421	F	1449	GW	8401R	8402R	—	8401R	8401R	—	8404R	8403R	8404R	8405R
GW22-01-0001	54-15421	NF	906	GW	—	—	8466R	—	—	8471R	—	—	—	—
GW22-01-0003	54-15421	NF	962	GW	—	—	8451R	8451R	—	8456R	8454R	—	8454R	—
GW22-01-0005	54-15421	NF	1273	GW	—	—	8425R	8425R	—	8430R	8428R	—	8428R	—
GW22-01-0007	54-15421	NF	1379	GW	—	—	8413R	—	—	8418R	—	—	—	—
GW22-01-0009	54-15421	NF	1449	GW	—	—	8401R	8401R	—	8406R	8404R	—	8404R	—
GW22-01-0011	54-15421	NF	1449	GW	—	—	—	—	—	—	—	—	—	—
Regional Well R-25														
GW25-01-0002	16-05961	F	755	GW	8736R	8737R	—	8736R	8736R	—	8739R	—	8739R	—
GW25-01-0004	16-05961	F	892	GW	8746R	8747R	—	8746R	8746R	—	8748R	—	8748R	—
GW25-01-0006	16-05961	F	1192	GW	8758R	8759R	—	8758R	8758R	—	8760R	—	8760R	—
GW25-01-0008	16-05961	F	1303	GW	8784R	8784R	—	8784R	8784R	—	8785R	—	8785R	—
GW25-01-0010	16-05961	F	1406	GW	8794R	8794R	—	8794R	8794R	—	8795R	—	8795R	—
GW25-01-0012	16-05961	F	1605	GW	8809R	8810R	—	8809R	8809R	—	8811R	—	8811R	—
GW25-01-0014	16-05961	F	1796	GW	8809R	8810R	—	8809R	8809R	—	8811R	—	8811R	—

Table 1 (continued)

Sample ID	Location ID	Field Preparation	Depth (ft)	Media	Alkalinity	Anions[a]	Cyanide	Non-TAL Metals[b]	Phosphorus	Stable Isotopes	TAL Metals	Total Kjeldahl Nitrogen	Uranium	DOC[c]
Regional Well R-25 (continued)														
GW25-01-0001	16-05961	NF	755	GW	—	—	8736R	8736R	—	8750R	8739R	—	8739R	—
GW25-01-0003	16-05961	NF	892	GW	—	—	8742R	8742R	—	8753R	8744R	—	8744R	—
GW25-01-0005	16-05961	NF	1192	GW	—	—	8758R	8758R	—	8761R	8760R	—	8760R	—
GW25-01-0007	16-05961	NF	1303	GW	—	—	8784R	8784R	—	8786R	8785R	—	8785R	—
GW25-01-0009	16-05961	NF	1406	GW	—	—	8794R	8794R	—	8796R	8795R	—	8795R	—
GW25-01-0011	16-05961	NF	1605	GW	—	—	8809R	8809R	—	—	8811R	—	8811R	—
GW25-01-0013	16-05961	NF	1796	GW	—	—	8809R	8809R	—	—	8811R	—	8811R	—

Table 1 (continued)

Sample ID	Humic Substances	Pesticides/PCBs[g]	SVOCs[h]	TOC[i]	VOCs[j]	Americium-241	Gamma Spectroscopy	Gross Alpha/Beta	Gross Gamma	Tritium	Isotopic Plutonium	Isotopic Uranium	Strontium-90	Technetium-99 by ICPMS[k]
Regional Well R-9														
GW09-01-0002	—	—	—	—	—	8327R	8327R	—	—	—	8327R	8327R	8327R	—
GW09-01-0004	—	—	—	—	—	—	—	—	—	—	—	—	—	—
GW09-01-0001	—	—	—	—	8324R	—	—	8327R	8327R	8328R	—	—	—	—
GW09-01-0003	—	—	—	8335R	—	—	—	—	8387R	—	—	—	—	—
Regional Well R-12														
GW12-01-0002	—	—	—	—	—	8487R	8487R	—	—	—	8487R	8487R	8487R	—
GW12-01-0004	—	—	—	—	—	8507R	8507R	—	—	—	8507R	8507R	8507R	—
GW12-01-0006	—	—	—	—	—	8519R	8519R	—	—	—	8519R	8519R	8519R	—
GW12-01-0001	—	—	—	8478R	—	—	—	8487R	8487R	8486R	—	—	—	—
GW12-01-0003	—	—	—	8502R	—	—	—	8507R	8507R	8506R	—	—	—	—
GW12-01-0005	—	—	—	8509R	—	—	—	8519R	8519R	8518R	—	—	—	—
Regional Well R-15														
RW15-01-0002	—	—	—	—	—	8350R	8350R	—	—	—	8350R	8350R	8350R	—
RW15-01-0001	—	—	—	8342R	8342R	—	—	8350R	8350R	8349R	—	—	—	—
Regional Well R-19														
GW19-01-0004	—	—	—	—	—	8672R	8672R	—	—	—	8672R	8672R	8672R	—
GW19-01-0006	—	—	—	—	—	8672R	8672R	—	—	—	8672R	8672R	8672R	—
GW19-01-0008	—	—	—	—	—	8672R	8672R	—	—	—	8672R	8672R	8672R	—
GW19-01-0010	—	—	—	—	—	8644R	8644R	—	—	—	8644R	8644R	8644R	—
GW19-01-0016	—	—	—	—	—	8644R	8644R	—	—	—	8644R	8644R	8644R	—
GW19-01-0012	—	—	—	—	—	8611R	8611R	—	—	—	8611R	8611R	8611R	—
GW19-01-0014	—	—	—	—	—	8564R	8564R	—	—	—	8564R	8564R	8564R	—
GW19-01-0003	—	8663R	8663R	8663R	8663R	—	—	8672R	8672R	8671R	—	—	—	—
GW19-01-0005	—	8663R	8663R	8663R	8663R	—	—	8672R	8672R	8671R	—	—	—	—
GW19-01-0007	—	8647R	8647R	8647R	8647R	—	—	8651R	8651R	8654R	—	—	—	—

Table 1 (continued)

Sample ID	Humic Substances	Pesticides/PCBs[g]	SVOCs[h]	TOC[i]	VOCs[j]	Americium-241	Gamma Spectroscopy	Gross Alpha/Beta	Gross Gamma	Tritium	Isotopic Plutonium	Isotopic Uranium	Strontium-90	Technetium-99 by ICPMS[k]
Regional Well R-19 (continued)														
GW19-01-0009	—	8631R	8631R	8631R	8631R	—	—	8638R	8638R	8637R	—	—	—	—
GW19-01-0015	—	8631R	8631R	8631R	8631R	—	—	8638R	8638R	8637R	—	—	—	—
GW19-01-0011	—	8588R	8588R	8588R	8588R	—	—	8595R	8595R	8594R	—	—	—	—
GW19-01-0013	—	8542R	8542R	8542R	8542R	—	—	8553R	8553R	8552R	—	—	—	—
Regional Well R-22														
GW22-01-0002	8470R	—	—	—	—	8474R	8474R	—	—	—	8474R	8474R	8474R	—
GW22-01-0004	—	—	—	8455R	—	8459R	8459R	—	—	—	8459R	8459R	8459R	—
GW22-01-0006	8429R	—	—	—	—	8433R	8433R	—	—	—	8433R	8433R	8433R	—
GW22-01-0008	8417R	—	—	—	—	8421R	8421R	—	—	—	8421R	8421R	8421R	—
GW22-01-0010	8405R	—	—	—	—	8409R	8409R	—	—	—	8409R	8409R	8409R	—
GW22-01-0001	—	8464R	8464R	8464R	8464R	—	—	8474R	8474R	8473R	—	—	—	8474R
GW22-01-0003	—	8449R	8449R	8449R	8449R	8459R	8459R	—	—	8458R	8459R	8459R	8459R	8459R
GW22-01-0005	—	8423R	8423R	8434R	8434R	8433R	8433R	—	—	8432R	8433R	8433R	8433R	8433R
GW22-01-0007	—	8411R	8411R	8411R	8411R	—	—	—	—	8420R	—	—	—	8421R
GW22-01-0009	—	8399R	8399R	8399R	8399R	8409R	8409R	—	—	8408R	8409R	8409R	8409R	—
GW22-01-0011	—	—	—	—	—	—	—	—	—	—	—	—	—	8421R
Regional Well R-25														
GW25-01-0002	—	—	—	—	—	—	—	—	—	—	—	8740R	—	—
GW25-01-0004	—	—	—	—	—	—	—	—	—	—	—	8749R	—	—
GW25-01-0006	—	—	—	—	—	—	—	—	—	—	—	8764R	—	—
GW25-01-0008	—	—	—	—	—	—	—	—	—	—	—	8789R	—	—
GW25-01-0010	—	—	—	—	—	—	—	—	—	—	—	8799R	—	—
GW25-01-0012	—	—	—	—	—	—	—	—	—	—	—	8815R	—	—
GW25-01-0014	—	—	—	—	—	—	—	—	—	—	—	8815R	—	—
GW25-01-0001	—	—	—	8735R	8735R	—	—	8740R	8740R	—	—	8740R	—	—

Table 1 (continued)

Sample ID	Humic Substances	Pesticides/PCBs[g]	SVOCs[h]	TOC[i]	VOCs[j]	Americium -241	Gamma Spectroscopy	Gross Alpha/Beta	Gross Gamma	Tritium	Isotopic Plutonium	Isotopic Uranium	Strontium-90	Technetium-99 by ICPMS[k]
Regional Well R-25 (continued)														
GW25-01-0003	—	—	—	8741R	8741R	—	—	8745R	8745R	—	—	8745R	—	—
GW25-01-0005	—	—	—	8756R	8756R	—	—	8764R	8764R	—	—	8764R	—	—
GW25-01-0007	—	—	—	8781R	8781R	—	—	8789R	8789R	—	—	8789R	—	—
GW25-01-0009	—	—	—	8791R	8791R	—	—	8799R	8799R	—	—	8799R	—	—
GW25-01-0011	—	—	—	8807R	8807R	—	—	8815R	8815R	—	—	8815R	—	—
GW25-01-0013	—	—	—	—	8807R	—	—	8815R	8815R	—	—	8815R	—	—

[a] Anions = Ammonia, bromide, chloride, fluoride, nitrate/nitrite, oxalate, perchlorate, sulfate.

[b] Non-TAL metals = Boron, molybdenum, silicon, strontium.

[c] DOC = Dissolved organic carbon.

[d] F = Filtered.

[e] — = Not available or applicable.

[f] NF = Nonfiltered.

[g] PCBs = Polychlorinated biphenyls.

[h] SVOCs = Semivolatile organic compounds.

[i] TOC = Total organic carbon.

[j] VOCs = Volatile organic compounds.

[k] ICPMS = Inductively coupled plasma mass spectrometry.

Table 2
Regional Well R-9 Screen 1 Third Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	1	741	02/13/01	NF[e]	1	0	—[f]	—	—	—	—	—
pH	1	741	02/13/01	NF	1	1	8.13	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	1	741	02/13/01	NF	1	1	259	—	—	0/1	—	0/1
Temperature (°C)	1	741	02/13/01	NF	1	1	23	—	—	0/1	—	0/1
Turbidity (NTU)[g]	1	741	02/13/01	NF	1	1	2.4	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	1	741	02/13/01	F[h]	1	1	120000	—	—	—	—	—
Aluminum	1	741	02/13/01	F	1	0	—	[87]	50	0/1	5000	0/1
Aluminum	1	741	02/13/01	NF	1	0	—	[71]	—	—	—	—
Ammonia (as N)	1	741	02/13/01	F	1	0	—	[500]	—	—	—	—
Antimony	1	741	02/13/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	1	741	02/13/01	NF	1	0	—	[0.622]	—	—	—	—
Arsenic	1	741	02/13/01	F	1	1	2.2	—	50	0/1	100	0/1
Arsenic	1	741	02/13/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	1	741	02/13/01	F	1	1	140	—	2000	0/1	1000	0/1
Barium	1	741	02/13/01	NF	1	1	140	—	—	—	—	—
Beryllium	1	741	02/13/01	F	1	0	—	[0.015]	4	0/1	—	—
Beryllium	1	741	02/13/01	NF	1	0	—	[0.028]	—	—	—	—
Boron	1	741	02/13/01	F	1	1	39	—	—	—	750	0/1
Boron	1	741	02/13/01	NF	1	1	42	—	—	—	—	—
Bromide	1	741	02/13/01	F	1	0	—	[200]	—	—	—	—
Cadmium	1	741	02/13/01	F	1	0	—	[0.2]	5	0/1	10	0/1
Cadmium	1	741	02/13/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	1	741	02/13/01	F	1	1	24000	—	—	—	—	—
Calcium	1	741	02/13/01	NF	1	1	24000	—	—	—	—	—

Table 2 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	1	741	02/13/01	F	1	1	7400	—	250000	0/1	250000	0/1
Chromium (total)	1	741	02/13/01	F	1	1	1.7	—	100	0/1	50	0/1
Chromium (total)	1	741	02/13/01	NF	1	1	2.2	—	—	—	—	—
Cobalt	1	741	02/13/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	1	741	02/13/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	1	741	02/13/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	1	741	02/13/01	NF	1	0	—	[0.34]	—	—	—	—
Cyanide (total)	1	741	02/13/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	1	741	02/13/01	F	1	1	270	—	4000	0/1	1600	0/1
Iron	1	741	02/13/01	F	1	0	—	[56]	300	0/1	1000	0/1
Iron	1	741	02/13/01	NF	1	0	—	[140]	—	—	—	—
Lead	1	741	02/13/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	1	741	02/13/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	1	741	02/13/01	F	1	1	5700	—	—	—	—	—
Magnesium	1	741	02/13/01	NF	1	1	5700	—	—	—	—	—
Manganese	1	741	02/13/01	F	1	1	80	—	50	1/1	200	0/1
Manganese	1	741	02/13/01	NF	1	1	82	—	—	—	—	—
Mercury	1	741	02/13/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	1	741	02/13/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	1	741	02/13/01	F	1	0	—	[4.5]	—	—	—	—
Molybdenum	1	741	02/13/01	NF	1	1	4.7	—	—	—	—	—
Nickel	1	741	02/13/01	F	1	1	2.7	—	100	0/1	200	0/1
Nickel	1	741	02/13/01	NF	1	1	2.8	—	—	—	—	—
Nitrate + Nitrite (as N)	1	741	02/13/01	F	1	1	680	—	10000	0/1	—	—
Oxalate	1	741	02/13/01	F	1	0	—	[190]	—	—	—	—
Perchlorate	1	741	02/13/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	1	741	02/13/01	F	1	0	—	[16.3]	—	—	—	—
Potassium	1	741	02/13/01	F	1	1	3800	—	—	—	—	—
Potassium	1	741	02/13/01	NF	1	1	3800	—	—	—	—	—

Table 2 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	1	741	02/13/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	1	741	02/13/01	NF	1	0	—	[2.5]	—	—	—	—
SiO_2	1	741	02/13/01	F	1	1	72760	—	—	—	—	—
SiO_2	1	741	02/13/01	NF	1	1	72760	—	—	—	—	—
Silver	1	741	02/13/01	F	1	0	—	[0.48]	100	0/1	50	0/1
Silver	1	741	02/13/01	NF	1	0	—	[0.48]	—	—	—	—
Sodium	1	741	02/13/01	F	1	1	15000	—	—	—	—	—
Sodium	1	741	02/13/01	NF	1	1	15000	—	—	—	—	—
Strontium	1	741	02/13/01	F	1	1	150	—	—	—	—	—
Strontium	1	741	02/13/01	NF	1	1	150	—	—	—	—	—
Sulfate	1	741	02/13/01	F	1	1	6400	—	250000	0/1	600000	0/1
Thallium	1	741	02/13/01	F	1	1	0.793	—	2	0/1	—	—
Thallium	1	741	02/13/01	NF	1	0	—	[0.077]	—	—	—	—
Total Kjeldahl Nitrogen	1	741	02/13/01	F	1	1	180	—	—	—	—	—
Uranium	1	741	02/13/01	F	1	1	1.85	—	20	0/1	5000	0/1
Uranium	1	741	02/13/01	NF	1	1	1.8	—	—	—	—	—
Vanadium	1	741	02/13/01	F	1	1	11	—	—	—	—	—
Vanadium	1	741	02/13/01	NF	1	1	9.8	—	—	—	—	—
Zinc	1	741	02/13/01	F	1	0	—	[9.8]	5000	0/1	10000	0/1
Zinc	1	741	02/13/01	NF	1	0	—	[16]	—	—	—	—
Stable Isotope (‰)												
δ D/H	1	741	02/13/01	NF	1	1	-74	—	—	—	—	—
δ O18/O16	1	741	02/13/01	NF	1	1	-10.7	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-9, when the well was drilled, was 688 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 3
Regional Well R-9 Screen 1 Third Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Toluene	1	741	02/13/01	NF[e]	1	1	2.5	—[f]	1000	0/1	750	0/1

[a] The static water level for the regional aquifer at R-9, when the well was drilled, was 688 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 4
Regional Well R-9 Screen 1 Third Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	1	741	02/13/01	F[c]	1	0	—[d]	[0.009]	15[e]	0/1
Cesium-134	1	741	02/13/01	F	1	0	—	[-0.8]	—	—
Cesium-137	1	741	02/13/01	F	1	0	—	[0.5]	—	—
Cobalt-60	1	741	02/13/01	F	1	0	—	[-0.2]	—	—
Europium-152	1	741	02/13/01	F	1	0	—	[1.7]	—	—
Gross Alpha Radiation	1	741	02/13/01	NF[f]	1	0	—	[2]	—	—
Gross Beta Radiation	1	741	02/13/01	NF	1	0	—	[3.4]	—	—
Gross Gamma Radiation	1	741	02/13/01	NF	2	1	237	—	—	—
Plutonium-238	1	741	02/13/01	F	1	0	—	[-0.007]	15[e]	0/1
Plutonium-239	1	741	02/13/01	F	1	0	—	[0.021]	15[e]	0/1
Ruthenium-106	1	741	02/13/01	F	1	0	—	[-6]	—	—
Sodium-22	1	741	02/13/01	F	1	0	—	[0.7]	—	—
Strontium-90	1	741	02/13/01	F	1	0	—	[0.01]	8	0/1
Tritium	1	741	02/13/01	NF	1	1	13.730	—	20000	0/1
Uranium-234	1	741	02/13/01	F	1	1	1.31	—	—	—
Uranium-235	1	741	02/13/01	F	1	0	—	[0.053]	—	—
Uranium-238	1	741	02/13/01	F	1	1	0.68	—	—	—

[a] The static water level for the regional aquifer at R-9, when the well was drilled, was 688 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 5
Regional Well R-12 Screen 1 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	1	468	03/14/01	NF[e]	1	0	—[f]	—	—	—	—	—
pH	1	468	03/14/01	NF	1	1	6.91	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	1	468	03/14/01	NF	1	1	254	—	—	0/1	—	0/1
Temperature (°C)	1	468	03/14/01	NF	1	1	13.2	—	—	0/1	—	0/1
Turbidity (NTU)[g]	1	468	03/14/01	NF	1	1	4.4	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	1	468	03/14/01	F[h]	1	1	120000	—	—	—	—	—
Aluminum	1	468	03/14/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Aluminum	1	468	03/14/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	1	468	03/14/01	F	1	1	1600	—	—	—	—	—
Antimony	1	468	03/14/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	1	468	03/14/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	1	468	03/14/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	1	468	03/14/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	1	468	03/14/01	F	1	1	48	—	2000	0/1	1000	0/1
Barium	1	468	03/14/01	NF	1	1	51	—	—	—	—	—
Beryllium	1	468	03/14/01	F	1	0	—	[0.002]	4	0/1	—	—
Beryllium	1	468	03/14/01	NF	1	0	—	[0.01]	—	—	—	—
Boron	1	468	03/14/01	F	1	0	—	[110]	—	—	750	0/1
Boron	1	468	03/14/01	NF	1	0	—	[110]	—	—	—	—
Bromide	1	468	03/14/01	F	1	0	—	[200]	—	—	—	—
Cadmium	1	468	03/14/01	F	1	0	—	[0.2]	5	0/1	10	0/1
Cadmium	1	468	03/14/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	1	468	03/14/01	F	1	1	15000	—	—	—	—	—
Calcium	1	468	03/14/01	NF	1	1	16000	—	—	—	—	—

Table 5 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	1	468	03/14/01	F	1	1	13000	—	250000	0/1	250000	0/1
Chromium (total)	1	468	03/14/01	F	1	0	—	[0.34]	100	0/1	50	0/1
Chromium (total)	1	468	03/14/01	NF	1	0	—	[0.34]	—	—	—	—
Cobalt	1	468	03/14/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	1	468	03/14/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	1	468	03/14/01	F	1	1	0.45	—	1300	0/1	1000	0/1
Copper	1	468	03/14/01	NF	1	1	3	—	—	—	—	—
Cyanide (total)	1	468	03/14/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	1	468	03/14/01	F	1	1	680	—	4000	0/1	1600	0/1
Iron	1	468	03/14/01	F	1	1	600	—	300	1/1	1000	0/1
Iron	1	468	03/14/01	NF	1	1	1400	—	—	—	—	—
Lead	1	468	03/14/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	1	468	03/14/01	NF	1	1	1.4	—	—	—	—	—
Magnesium	1	468	03/14/01	F	1	1	4300	—	—	—	—	—
Magnesium	1	468	03/14/01	NF	1	1	4400	—	—	—	—	—
Manganese	1	468	03/14/01	F	1	1	720	—	50	1/1	200	1/1
Manganese	1	468	03/14/01	NF	1	1	720	—	—	—	—	—
Mercury	1	468	03/14/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	1	468	03/14/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	1	468	03/14/01	F	1	1	2.8	—	—	—	—	—
Molybdenum	1	468	03/14/01	NF	1	1	29	—	—	—	—	—
Nickel	1	468	03/14/01	F	1	1	0.91	—	100	0/1	200	0/1
Nickel	1	468	03/14/01	NF	1	1	1.1	—	—	—	—	—
Nitrate + Nitrite (as N)	1	468	03/14/01	F	1	1	230	—	10000	0/1	—	—
Perchlorate	1	468	03/14/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	1	468	03/14/01	F	1	0	—	[50]	—	—	—	—
Potassium	1	468	03/14/01	F	1	1	3300	—	—	—	—	—
Potassium	1	468	03/14/01	NF	1	1	3400	—	—	—	—	—
Selenium	1	468	03/14/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	1	468	03/14/01	NF	1	0	—	[2.5]	—	—	—	—

Table 5 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	1	468	03/14/01	F	1	1	19474	—	—	—	—	—
SiO_2	1	468	03/14/01	NF	1	1	20330	—	—	—	—	—
Silver	1	468	03/14/01	F	1	1	0.85	—	100	0/1	50	0/1
Silver	1	468	03/14/01	NF	1	1	1.3	—	—	—	—	—
Sodium	1	468	03/14/01	F	1	1	23000	—	—	—	—	—
Sodium	1	468	03/14/01	NF	1	1	23000	—	—	—	—	—
Strontium	1	468	03/14/01	F	1	1	71	—	—	—	—	—
Strontium	1	468	03/14/01	NF	1	1	73	—	—	—	—	—
Sulfate	1	468	03/14/01	F	1	0	—	[1000]	250000	0/1	600000	0/1
Thallium	1	468	03/14/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	1	468	03/14/01	NF	1	0	—	[0.077]	—	—	—	—
Total Kjeldahl Nitrogen	1	468	03/14/01	F	1	1	2100	—	—	—	—	—
Uranium	1	468	03/14/01	F	1	1	0.055	—	20	0/1	5000	0/1
Uranium	1	468	03/14/01	NF	1	1	0.08	—	—	—	—	—
Vanadium	1	468	03/14/01	F	1	0	—	[0.38]	—	—	—	—
Vanadium	1	468	03/14/01	NF	1	0	—	[0.38]	—	—	—	—
Zinc	1	468	03/14/01	F	1	1	1.6	—	5000	0/1	10000	0/1
Zinc	1	468	03/14/01	NF	1	1	16	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	1	468	03/14/01	NF	1	1	-81	—	—	—	—	—
δ O18/O16	1	468	03/14/01	NF	1	1	-11.7	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 6
Regional Well R-12 Screen 2 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	2	507	03/15/01	NF[e]	1	0	—[f]	—	—	—	—	—
pH	2	507	03/15/01	NF	1	1	9.08	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	2	507	03/15/01	NF	1	1	155	—	—	0/1	—	0/1
Temperature (°C)	2	507	03/15/01	NF	1	1	17.1	—	—	0/1	—	0/1
Turbidity (NTU)[g]	2	507	03/15/01	NF	1	1	2.3	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	2	507	03/15/01	F[h]	1	1	67000	—	—	—	—	—
Aluminum	2	507	03/15/01	F	1	1	12	—	50	0/1	5000	0/1
Aluminum	2	507	03/15/01	NF	1	1	16	—	—	—	—	—
Ammonia (as N)	2	507	03/15/01	F	1	0	—	[500]	—	—	—	—
Antimony	2	507	03/15/01	F	1	0	—	[0.293]	6	0/1	—	—
Antimony	2	507	03/15/01	NF	1	0	—	[0.299]	—	—	—	—
Arsenic	2	507	03/15/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	2	507	03/15/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	2	507	03/15/01	F	1	1	15	—	2000	0/1	1000	0/1
Barium	2	507	03/15/01	NF	1	1	14	—	—	—	—	—
Beryllium	2	507	03/15/01	F	1	1	0.066	—	4	0/1	—	—
Beryllium	2	507	03/15/01	NF	1	1	0.102	—	—	—	—	—
Boron	2	507	03/15/01	F	1	1	37	—	—	—	750	0/1
Boron	2	507	03/15/01	NF	1	1	33	—	—	—	—	—
Bromide	2	507	03/15/01	F	1	0	—	[200]	—	—	—	—
Cadmium	2	507	03/15/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	2	507	03/15/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	2	507	03/15/01	F	1	1	15000	—	—	—	—	—
Calcium	2	507	03/15/01	NF	1	1	15000	—	—	—	—	—

Table 6 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	2	507	03/15/01	F	1	1	6700	—	250000	0/1	250000	0/1
Chromium (total)	2	507	03/15/01	F	1	0	—	[0.34]	100	0/1	50	0/1
Chromium (total)	2	507	03/15/01	NF	1	1	3.7	—	—	—	—	—
Cobalt	2	507	03/15/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	2	507	03/15/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	2	507	03/15/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	2	507	03/15/01	NF	1	1	0.66	—	—	—	—	—
Cyanide (total)	2	507	03/15/01	NF	1	1	14	—	—	—	—	—
Fluoride	2	507	03/15/01	F	1	1	490	—	4000	0/1	1600	0/1
Iron	2	507	03/15/01	F	1	0	—	[54]	300	0/1	1000	0/1
Iron	2	507	03/15/01	NF	1	0	—	[67]	—	—	—	—
Lead	2	507	03/15/01	F	1	1	0.465	—	15	0/1	50	0/1
Lead	2	507	03/15/01	NF	1	0	—	[0.152]	—	—	—	—
Magnesium	2	507	03/15/01	F	1	1	2500	—	—	—	—	—
Magnesium	2	507	03/15/01	NF	1	1	2500	—	—	—	—	—
Manganese	2	507	03/15/01	F	1	1	60	—	50	1/1	200	0/1
Manganese	2	507	03/15/01	NF	1	1	62	—	—	—	—	—
Mercury	2	507	03/15/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	2	507	03/15/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	2	507	03/15/01	F	1	1	12	—	—	—	—	—
Molybdenum	2	507	03/15/01	NF	1	1	8.8	—	—	—	—	—
Nickel	2	507	03/15/01	F	1	1	0.76	—	100	0/1	200	0/1
Nickel	2	507	03/15/01	NF	1	1	3	—	—	—	—	—
Nitrate + Nitrite (as N)	2	507	03/15/01	F	1	0	—	[100]	10000	0/1	—	—
Perchlorate	2	507	03/15/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	2	507	03/15/01	F	1	1	72	—	—	—	—	—
Potassium	2	507	03/15/01	F	1	1	2200	—	—	—	—	—
Potassium	2	507	03/15/01	NF	1	1	2200	—	—	—	—	—
Selenium	2	507	03/15/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	2	507	03/15/01	NF	1	0	—	[2.5]	—	—	—	—

Table 6 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	2	507	03/15/01	F	1	1	29960	—	—	—	—	—
SiO_2	2	507	03/15/01	NF	1	1	29960	—	—	—	—	—
Silver	2	507	03/15/01	F	1	0	—	[0.48]	100	0/1	50	0/1
Silver	2	507	03/15/01	NF	1	0	—	[0.49]	—	—	—	—
Sodium	2	507	03/15/01	F	1	1	9400	—	—	—	—	—
Sodium	2	507	03/15/01	NF	1	1	9500	—	—	—	—	—
Strontium	2	507	03/15/01	F	1	1	65	—	—	—	—	—
Strontium	2	507	03/15/01	NF	1	1	65	—	—	—	—	—
Sulfate	2	507	03/15/01	F	1	1	8100	—	250000	0/1	600000	0/1
Thallium	2	507	03/15/01	F	1	1	0.542	—	2	0/1	—	—
Thallium	2	507	03/15/01	NF	1	0	—	[0.462]	—	—	—	—
Total Kjeldahl Nitrogen	2	507	03/15/01	F	1	1	690	—	—	—	—	—
Uranium	2	507	03/15/01	F	1	1	0.659	—	20	0/1	5000	0/1
Uranium	2	507	03/15/01	NF	1	1	0.638	—	—	—	—	—
Vanadium	2	507	03/15/01	F	1	1	1.9	—	—	—	—	—
Vanadium	2	507	03/15/01	NF	1	1	0.94	—	—	—	—	—
Zinc	2	507	03/15/01	F	1	0	—	[2.9]	5000	0/1	10000	0/1
Zinc	2	507	03/15/01	NF	1	0	—	[3.1]	—	—	—	—
Stable Isotope (‰)												
δ D/H	2	507	03/15/01	NF	1	1	-80	—	—	—	—	—
δ O18/O16	2	507	03/15/01	NF	1	1	-11.6	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 7
Regional Well R-12 Screen 3 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	3	811	03/16/01	NF[e]	1	0	—[f]	—	—	—	—	—
pH	3	811	03/16/01	NF	1	1	6.83	—	>6 &<9	0/1	>6 &<9	0/1
Specific Conductance (µS/cm)	3	811	03/16/01	NF	1	1	389	—	—	0/1	—	0/1
Temperature (°C)	3	811	03/16/01	NF	1	1	19.9	—	—	0/1	—	0/1
Turbidity (NTU)[g]	3	811	03/16/01	NF	1	1	2.6	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	3	811	03/16/01	F[h]	1	1	180000	—	—	—	—	—
Aluminum	3	811	03/16/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Aluminum	3	811	03/16/01	NF	1	1	22	—	—	—	—	—
Ammonia (as N)	3	811	03/16/01	F	1	0	—	[500]	—	—	—	—
Antimony	3	811	03/16/01	F	1	0	—	[0.268]	6	0/1	—	—
Antimony	3	811	03/16/01	NF	1	0	—	[0.243]	—	—	—	—
Arsenic	3	811	03/16/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	3	811	03/16/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	3	811	03/16/01	F	1	1	140	—	2000	0/1	1000	0/1
Barium	3	811	03/16/01	NF	1	1	140	—	—	—	—	—
Beryllium	3	811	03/16/01	F	1	1	0.019	—	4	0/1	—	—
Beryllium	3	811	03/16/01	NF	1	0	—	[0.021]	—	—	—	—
Boron	3	811	03/16/01	F	1	1	84	—	—	—	750	0/1
Boron	3	811	03/16/01	NF	1	1	76	—	—	—	—	—
Bromide	3	811	03/16/01	F	1	0	—	[200]	—	—	—	—
Cadmium	3	811	03/16/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	3	811	03/16/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	3	811	03/16/01	F	1	1	43000	—	—	—	—	—
Calcium	3	811	03/16/01	NF	1	1	44000	—	—	—	—	—

Table 7 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	3	811	03/16/01	F	1	1	9300	—	250000	0/1	250000	0/1
Chromium (total)	3	811	03/16/01	F	1	1	0.78	—	100	0/1	50	0/1
Chromium (total)	3	811	03/16/01	NF	1	1	9.3	—	—	—	—	—
Cobalt	3	811	03/16/01	F	1	1	0.93	—	—	—	50	0/1
Cobalt	3	811	03/16/01	NF	1	1	1	—	—	—	—	—
Copper	3	811	03/16/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	3	811	03/16/01	NF	1	0	—	[0.34]	—	—	—	—
Cyanide (total)	3	811	03/16/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	3	811	03/16/01	F	1	1	320	—	4000	0/1	1600	0/1
Iron	3	811	03/16/01	F	1	1	270	—	300	0/1	1000	0/1
Iron	3	811	03/16/01	NF	1	1	460	—	—	—	—	—
Lead	3	811	03/16/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	3	811	03/16/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	3	811	03/16/01	F	1	1	10000	—	—	—	—	—
Magnesium	3	811	03/16/01	NF	1	1	10000	—	—	—	—	—
Manganese	3	811	03/16/01	F	1	1	660	—	50	1/1	200	1/1
Manganese	3	811	03/16/01	NF	1	1	650	—	—	—	—	—
Mercury	3	811	03/16/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	3	811	03/16/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	3	811	03/16/01	F	1	1	6.3	—	—	—	—	—
Molybdenum	3	811	03/16/01	NF	1	1	9.2	—	—	—	—	—
Nickel	3	811	03/16/01	F	1	1	11	—	100	0/1	200	0/1
Nickel	3	811	03/16/01	NF	1	1	16	—	—	—	—	—
Nitrate + Nitrite (as N)	3	811	03/16/01	F	1	0	—	[100]	10000	0/1	—	—
Perchlorate	3	811	03/16/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	3	811	03/16/01	F	1	0	—	[50]	—	—	—	—
Potassium	3	811	03/16/01	F	1	1	4600	—	—	—	—	—
Potassium	3	811	03/16/01	NF	1	1	4600	—	—	—	—	—
Selenium	3	811	03/16/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	3	811	03/16/01	NF	1	0	—	[2.5]	—	—	—	—

Table 7 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	3	811	03/16/01	F	1	1	59920	—	—	—	—	—
SiO_2	3	811	03/16/01	NF	1	1	62060	—	—	—	—	—
Silver	3	811	03/16/01	F	1	0	—	[0.83]	100	0/1	50	0/1
Silver	3	811	03/16/01	NF	1	0	—	[0.95]	—	—	—	—
Sodium	3	811	03/16/01	F	1	1	17000	—	—	—	—	—
Sodium	3	811	03/16/01	NF	1	1	17000	—	—	—	—	—
Strontium	3	811	03/16/01	F	1	1	230	—	—	—	—	—
Strontium	3	811	03/16/01	NF	1	1	230	—	—	—	—	—
Sulfate	3	811	03/16/01	F	1	1	11000	—	250000	0/1	600000	0/1
Thallium	3	811	03/16/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	3	811	03/16/01	NF	1	1	0.664	—	—	—	—	—
Total Kjeldahl Nitrogen	3	811	03/16/01	F	1	1	280	—	—	—	—	—
Uranium	3	811	03/16/01	F	1	1	1.25	—	20	0/1	5000	0/1
Uranium	3	811	03/16/01	NF	1	1	1.38	—	—	—	—	—
Vanadium	3	811	03/16/01	F	1	1	0.9	—	—	—	—	—
Vanadium	3	811	03/16/01	NF	1	1	1.2	—	—	—	—	—
Zinc	3	811	03/16/01	F	1	0	—	[5.1]	5000	0/1	10000	0/1
Zinc	3	811	03/16/01	NF	1	0	—	[11]	—	—	—	—
Stable Isotope (‰)												
δ D/H	3	811	03/16/01	NF	1	1	-76	—	—	—	—	—
δ O18/O16	3	811	03/16/01	NF	1	1	-11.1	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 8
Regional Well R-12 Screen 1 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	1	468	03/14/01	NF[e]	1	1	8900	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 9
Regional Well R-12 Screen 2 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	2	507	03/15/01	NF[e]	1	1	5200	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 10
Regional Well R-12 Screen 3 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	3	811	03/16/01	NF[e]	1	1	5100	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 11
Regional Well R-12 Screen 1 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	1	468	03/14/01	F[c]	1	0	—[d]	[0.024]	15[e]	0/1
Cesium-134	1	468	03/14/01	F	1	0	—	[0.2]	—	—
Cesium-137	1	468	03/14/01	F	1	0	—	[-0.2]	—	—
Cobalt-60	1	468	03/14/01	F	1	0	—	[0.7]	—	—
Europium-152	1	468	03/14/01	F	1	0	—	[2.1]	—	—
Gross Alpha Radiation	1	468	03/14/01	NF[f]	1	0	—	[0.83]	—	—
Gross Beta Radiation	1	468	03/14/01	NF	1	1	3.84	—	—	—
Gross Gamma Radiation	1	468	03/14/01	NF	1	1	315	—	—	—
Plutonium-238	1	468	03/14/01	F	1	0	—	[-0.01]	15[e]	0/1
Plutonium-239	1	468	03/14/01	F	1	0	—	[0.001]	15[e]	0/1
Ruthenium-106	1	468	03/14/01	F	1	0	—	[-2]	—	—
Sodium-22	1	468	03/14/01	F	1	0	—	[-0.2]	—	—
Strontium-90	1	468	03/14/01	F	1	0	—	[-0.11]	8	0/1
Tritium	1	468	03/14/01	NF	1	1	188.71	—	20000	0/1
Uranium-234	1	468	03/14/01	F	1	0	—	[0.037]	—	—
Uranium-235	1	468	03/14/01	F	1	0	—	[-0.001]	—	—
Uranium-238	1	468	03/14/01	F	1	0	—	[0.024]	—	—

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Nonfiltered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] F = Filtered.

Table 12
Regional Well R-12 Screen 2 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	2	507	03/15/01	F[c]	1	0	—[d]	[0.018]	15[e]	0/1
Cesium-134	2	507	03/15/01	F	1	0	—	[1]	—	—
Cesium-137	2	507	03/15/01	F	1	0	—	[0.1]	—	—
Cobalt-60	2	507	03/15/01	F	1	0	—	[-0.2]	—	—
Europium-152	2	507	03/15/01	F	1	0	—	[24]	—	—
Gross Alpha Radiation	2	507	03/15/01	NF[f]	1	0	—	[1.6]	—	—
Gross Beta Radiation	2	507	03/15/01	NF	1	0	—	[2.3]	—	—
Gross Gamma Radiation	2	507	03/15/01	NF	1	1	298	—	—	—
Plutonium-238	2	507	03/15/01	F	1	0	—	[0]	15[e]	0/1
Plutonium-239	2	507	03/15/01	F	1	0	—	[0.003]	15[e]	0/1
Ruthenium-106	2	507	03/15/01	F	1	0	—	[-14]	—	—
Sodium-22	2	507	03/15/01	F	1	0	—	[0]	—	—
Strontium-90	2	507	03/15/01	F	1	0	—	[-0.15]	8	0/1
Tritium	2	507	03/15/01	NF	1	1	110.80	—	20000	0/1
Uranium-234	2	507	03/15/01	F	1	1	0.3	—	—	—
Uranium-235	2	507	03/15/01	F	1	0	—	[0.03]	—	—
Uranium-238	2	507	03/15/01	F	1	1	0.29	—	—	—

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 13
Regional Well R-12 Screen 3 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	3	811	03/16/01	F[c]	1	0	—[d]	[-0.002]	15[e]	0/1
Cesium-134	3	811	03/16/01	F	1	0	—	[-3.4]	—	—
Cesium-137	3	811	03/16/01	F	1	0	—	[-1.4]	—	—
Cobalt-60	3	811	03/16/01	F	1	0	—	[1.4]	—	—
Europium-152	3	811	03/16/01	F	1	0	—	[-7]	—	—
Gross Alpha Radiation	3	811	03/16/01	NF[f]	1	0	—	[1.3]	—	—
Gross Beta Radiation	3	811	03/16/01	NF	1	1	4.1	—	—	—
Gross Gamma Radiation	3	811	03/16/01	NF	1	1	297	—	—	—
Plutonium-238	3	811	03/16/01	F	1	0	—	[0]	15[e]	0/1
Plutonium-239	3	811	03/16/01	F	1	0	—	[0.005]	15[e]	0/1
Ruthenium-106	3	811	03/16/01	F	1	0	—	[-14]	—	—
Sodium-22	3	811	03/16/01	F	1	0	—	[1.5]	—	—
Strontium-90	3	811	03/16/01	F	1	0	—	[-0.03]	8	0/1
Tritium	3	811	03/16/01	NF	1	1	63.86	—	20000	0/1
Uranium-234	3	811	03/16/01	F	1	1	0.73	—	—	—
Uranium-235	3	811	03/16/01	F	1	0	—	[0.063]	—	—
Uranium-238	3	811	03/16/01	F	1	1	0.43	—	—	—

[a] The static water level for the regional aquifer at R-12, when the well was drilled, was 805 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 14
Regional Well R-15 Screen 1 Third Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	1	986	02/15/01	NF	1	0	—	—	—	—	—	—
pH	1	986	02/15/01	NF	1	1	8.15	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	1	986	02/15/01	NF	1	1	146	—	—	0/1	—	0/1
Temperature (°C)	1	986	02/15/01	NF	1	1	19	—	—	0/1	—	0/1
Turbidity (NTU)[g]	1	986	02/15/01	NF	1	1	2.6	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	1	986	02/15/01	F	1	1	56000	—	—	—	—	—
Aluminum	1	986	02/15/01	F	1	0	—	[47]	50	0/1	5000	0/1
Aluminum	1	986	02/15/01	NF	1	0	—	[55]	—	—	—	—
Ammonia (as N)	1	986	02/15/01	F	1	0	—	[500]	—	—	—	—
Antimony	1	986	02/15/01	F	1	0	—	[0.182]	6	0/1	—	—
Antimony	1	986	02/15/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	1	986	02/15/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	1	986	02/15/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	1	986	02/15/01	F	1	1	26	—	2000	0/1	1000	0/1
Barium	1	986	02/15/01	NF	1	1	26	—	—	—	—	—
Beryllium	1	986	02/15/01	F	1	1	0.017	—	4	0/1	—	—
Beryllium	1	986	02/15/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	1	986	02/15/01	F	1	1	15	—	—	—	750	0/1
Boron	1	986	02/15/01	NF	1	1	14	—	—	—	—	—
Bromide	1	986	02/15/01	F	1	0	—	[200]	—	—	—	—
Cadmium	1	986	02/15/01	F	1	0	—	[0.2]	5	0/1	10	0/1
Cadmium	1	986	02/15/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	1	986	02/15/01	F	1	1	12000	—	—	—	—	—
Calcium	1	986	02/15/01	NF	1	1	12000	—	—	—	—	—

Table 14 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	1	986	02/15/01	F	1	1	4900	—	250000	0/1	250000	0/1
Chromium (total)	1	986	02/15/01	F	1	1	3.8	—	100	0/1	50	0/1
Chromium (total)	1	986	02/15/01	NF	1	1	4.1	—	—	—	—	—
Cobalt	1	986	02/15/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	1	986	02/15/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	1	986	02/15/01	F	1	0	—	[0.66]	1300	0/1	1000	0/1
Copper	1	986	02/15/01	NF	1	0	—	[0.86]	—	—	—	—
Cyanide (total)	1	986	02/15/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	1	986	02/15/01	F	1	1	170	—	4000	0/1	1600	0/1
Iron	1	986	02/15/01	F	1	0	—	[48]	300	0/1	1000	0/1
Iron	1	986	02/15/01	NF	1	0	—	[87]	—	—	—	—
Lead	1	986	02/15/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	1	986	02/15/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	1	986	02/15/01	F	1	1	3400	—	—	—	—	—
Magnesium	1	986	02/15/01	NF	1	1	3400	—	—	—	—	—
Manganese	1	986	02/15/01	F	1	1	0.4	—	50	0/1	200	0/1
Manganese	1	986	02/15/01	NF	1	1	1.3	—	—	—	—	—
Mercury	1	986	02/15/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	1	986	02/15/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	1	986	02/15/01	F	1	0	—	[0.45]	—	—	—	—
Molybdenum	1	986	02/15/01	NF	1	0	—	[4.5]	—	—	—	—
Nickel	1	986	02/15/01	F	1	1	1.1	—	100	0/1	200	0/1
Nickel	1	986	02/15/01	NF	1	1	1.2	—	—	—	—	—
Nitrate + Nitrite (as N)	1	986	02/15/01	F	1	1	2400	—	10000	0/1	—	—
Perchlorate	1	986	02/15/01	F	1	1	1.54	—	—	—	—	—
Phosphorus (total)	1	986	02/15/01	F	1	0	—	[50]	—	—	—	—
Potassium	1	986	02/15/01	F	1	1	1700	—	—	—	—	—
Potassium	1	986	02/15/01	NF	1	1	1700	—	—	—	—	—
Selenium	1	986	02/15/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	1	986	02/15/01	NF	1	0	—	[2.5]	—	—	—	—

Table 14 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	1	986	02/15/01	F	1	1	72760	—	—	—	—	—
SiO_2	1	986	02/15/01	NF	1	1	70620	—	—	—	—	—
Silver	1	986	02/15/01	F	1	0	—	[0.48]	100	0/1	50	0/1
Silver	1	986	02/15/01	NF	1	0	—	[0.48]	—	—	—	—
Sodium	1	986	02/15/01	F	1	1	8700	—	—	—	—	—
Sodium	1	986	02/15/01	NF	1	1	8500	—	—	—	—	—
Strontium	1	986	02/15/01	F	1	1	55	—	—	—	—	—
Strontium	1	986	02/15/01	NF	1	1	54	—	—	—	—	—
Sulfate	1	986	02/15/01	F	1	1	6400	—	250000	0/1	600000	0/1
Thallium	1	986	02/15/01	F	1	1	0.55	—	2	0/1	—	—
Thallium	1	986	02/15/01	NF	1	1	0.591	—	—	—	—	—
Total Kjeldahl Nitrogen	1	986	02/15/01	F	1	0	—	[100]	—	—	—	—
Uranium	1	986	02/15/01	F	1	1	0.354	—	20	0/1	5000	0/1
Uranium	1	986	02/15/01	NF	1	1	0.367	—	—	—	—	—
Vanadium	1	986	02/15/01	F	1	1	6.4	—	—	—	—	—
Vanadium	1	986	02/15/01	NF	1	1	6.1	—	—	—	—	—
Zinc	1	986	02/15/01	F	1	1	7.1	—	5000	0/1	10000	0/1
Zinc	1	986	02/15/01	NF	1	1	3.6	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	1	986	02/15/01	NF	1	1	-77	—	—	—	—	—
δ O18/O16	1	986	02/15/01	NF	1	1	-11.3	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-15, when the well was drilled, was 964 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 15
Regional Well R-15 Screen 1 Third Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	1	986	02/15/01	NF[e]	1	1	1200	—[f]	—	—	—	—

[a] The static water level for the regional aquifer at R-15, when the well was drilled, was 964 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 16
Regional Well R-15 Screen 1 Third Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	1	986	02/15/01	F[c]	1	0	—[d]	[0.007]	15[e]	0/1
Cesium-134	1	986	02/15/01	F	1	0	—	[0]	—	—
Cesium-137	1	986	02/15/01	F	1	0	—	[-0.4]	—	—
Cobalt-60	1	986	02/15/01	F	1	0	—	[0.7]	—	—
Europium-152	1	986	02/15/01	F	1	0	—	[0.3]	—	—
Gross Alpha Radiation	1	986	02/15/01	NF[f]	1	0	—	[1.3]	—	—
Gross Beta Radiation	1	986	02/15/01	NF	1	0	—	[1.2]	—	—
Gross Gamma Radiation	1	986	02/15/01	NF	1	1	173	—	—	—
Plutonium-238	1	986	02/15/01	F	1	0	—	[-0.015]	15[e]	0/1
Plutonium-239	1	986	02/15/01	F	1	0	—	[0]	15[e]	0/1
Ruthenium-106	1	986	02/15/01	F	1	0	—	[-18]	—	—
Sodium-22	1	986	02/15/01	F	1	0	—	[-0.2]	—	—
Strontium-90	1	986	02/15/01	F	1	1	1.51	—	8	0/1
Tritium	1	986	02/15/01	NF	1	1	2.17	—	20000	0/1
Uranium-234	1	986	02/15/01	F	1	1	0.229	—	—	—
Uranium-235	1	986	02/15/01	F	1	0	—	[0.001]	—	—
Uranium-238	1	986	02/15/01	F	1	1	0.125	—	—	—

[a] The static water level for the regional aquifer at R-15, when the well was drilled, was 964 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 17
Regional Well R-19 Screen 2 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	2	909	04/10/01	NF[e]	1	1	80300	—[f]	—	—	—	—
pH	2	909	04/10/01	NF	1	1	8.76	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	2	909	04/10/01	NF	1	1	150	—	—	0/1	—	0/1
Temperature (°C)	2	909	04/10/01	NF	1	1	13.6	—	—	0/1	—	0/1
Turbidity (NTU)[g]	2	909	04/10/01	NF	1	1	0.6	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	2	909	04/10/01	F[h]	1	1	89000	—	—	—	—	—
Aluminum	2	909	04/10/01	F	1	0	—	[12]	50	0/1	5000	0/1
Aluminum	2	909	04/10/01	NF	1	0	—	[33]	—	—	—	—
Ammonia (as N)	2	909	04/10/01	F	1	0	—	[500]	—	—	—	—
Antimony	2	909	04/10/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	2	909	04/10/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	2	909	04/10/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	2	909	04/10/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	2	909	04/10/01	F	1	1	23	—	2000	0/1	1000	0/1
Barium	2	909	04/10/01	NF	1	1	23	—	—	—	—	—
Beryllium	2	909	04/10/01	F	1	0	—	[0.012]	4	0/1	—	—
Beryllium	2	909	04/10/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	2	909	04/10/01	F	1	1	21	—	—	—	750	0/1
Boron	2	909	04/10/01	NF	1	1	15	—	—	—	—	—
Bromide	2	909	04/10/01	F	1	0	—	[200]	—	—	—	—
Cadmium	2	909	04/10/01	F	1	0	—	[0.084]	5	0/1	10	0/1
Cadmium	2	909	04/10/01	NF	1	0	—	[0.084]	—	—	—	—
Calcium	2	909	04/10/01	F	1	1	18000	—	—	—	—	—
Calcium	2	909	04/10/01	NF	1	1	18000	—	—	—	—	—

Table 17 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	2	909	04/10/01	F	1	1	2500	—	250000	0/1	250000	0/1
Chromium (total)	2	909	04/10/01	F	1	1	0.78	—	100	0/1	50	0/1
Chromium (total)	2	909	04/10/01	NF	1	1	1.1	—	—	—	—	—
Cobalt	2	909	04/10/01	F	1	1	0.41	—	—	—	50	0/1
Cobalt	2	909	04/10/01	NF	1	1	0.37	—	—	—	—	—
Copper	2	909	04/10/01	F	1	1	0.67	—	1300	0/1	1000	0/1
Copper	2	909	04/10/01	NF	1	1	1.1	—	—	—	—	—
Cyanide (total)	2	909	04/10/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	2	909	04/10/01	F	1	1	710	—	4000	0/1	1600	0/1
Iron	2	909	04/10/01	F	1	0	—	[120]	300	0/1	1000	0/1
Iron	2	909	04/10/01	NF	1	0	—	[110]	—	—	—	—
Lead	2	909	04/10/01	F	1	0	—	[1.1]	15	0/1	50	0/1
Lead	2	909	04/10/01	NF	1	0	—	[1.1]	—	—	—	—
Magnesium	2	909	04/10/01	F	1	1	3000	—	—	—	—	—
Magnesium	2	909	04/10/01	NF	1	1	3000	—	—	—	—	—
Manganese	2	909	04/10/01	F	1	1	23	—	50	0/1	200	0/1
Manganese	2	909	04/10/01	NF	1	1	19	—	—	—	—	—
Mercury	2	909	04/10/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	2	909	04/10/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	2	909	04/10/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	2	909	04/10/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	2	909	04/10/01	F	1	0	—	[2.5]	100	0/1	200	0/1
Nickel	2	909	04/10/01	NF	1	0	—	[3]	—	—	—	—
Nitrate + Nitrite (as N)	2	909	04/10/01	F	1	1	320	—	10000	0/1	—	—
Perchlorate	2	909	04/10/01	F	1	0	—	[0.801]	—	—	—	—
Phosphorus (total)	2	909	04/10/01	F	1	1	58	—	—	—	—	—
Potassium	2	909	04/10/01	F	1	1	1300	—	—	—	—	—
Potassium	2	909	04/10/01	NF	1	1	1200	—	—	—	—	—
Selenium	2	909	04/10/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	2	909	04/10/01	NF	1	0	—	[1.9]	—	—	—	—

Table 17 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SIO_2	2	909	04/10/01	F	1	1	72760	—	—	—	—	—
SIO_2	2	909	04/10/01	NF	1	1	72760	—	—	—	—	—
Silver	2	909	04/10/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	2	909	04/10/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	2	909	04/10/01	F	1	1	15000	—	—	—	—	—
Sodium	2	909	04/10/01	NF	1	1	14000	—	—	—	—	—
Strontium	2	909	04/10/01	F	1	1	78	—	—	—	—	—
Strontium	2	909	04/10/01	NF	1	1	76	—	—	—	—	—
Sulfate	2	909	04/10/01	F	1	1	2900	—	250000	0/1	600000	0/1
Thallium	2	909	04/10/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	2	909	04/10/01	NF	1	0	—	[0.077]	—	—	—	—
Total Kjeldahl Nitrogen	2	909	04/10/01	F	1	1	150	—	—	—	—	—
Uranium	2	909	04/10/01	F	1	1	0.253	—	20	0/1	5000	0/1
Uranium	2	909	04/10/01	NF	1	1	0.236	—	—	—	—	—
Vanadium	2	909	04/10/01	F	1	1	1.6	—	—	—	—	—
Vanadium	2	909	04/10/01	NF	1	1	1.3	—	—	—	—	—
Zinc	2	909	04/10/01	F	1	1	7.3	—	5000	0/1	10000	0/1
Zinc	2	909	04/10/01	NF	1	1	4	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	2	909	04/10/01	NF	1	1	-73	—	—	—	—	—
δ O18/O16	2	909	04/10/01	NF	1	1	-10.76	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 18
Regional Well R-19 Screen 3 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	3	1190	04/10/01	NF[e]	1	1	64900	—[f]				
pH	3	1190	04/10/01	NF	1	1	6.81	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	3	1190	04/10/01	NF	1	1	135	—	—	0/1	—	0/1
Temperature (°C)	3	1190	04/10/01	NF	1	1	17.9	—	—	0/1	—	0/1
Turbidity (NTU)[g]	3	1190	04/10/01	NF	1	1	0.8	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	3	1190	04/10/01	F[h]	1	1	63000	—	—	—	—	—
Aluminum	3	1190	04/10/01	F	1	0	—	[27]	50	0/1	5000	0/1
Aluminum	3	1190	04/10/01	NF	1	0	—	[26]	—	—	—	—
Ammonia (as N)	3	1190	04/10/01	F	1	0	—	[500]	—	—	—	—
Antimony	3	1190	04/10/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	3	1190	04/10/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	3	1190	04/10/01	F	1	1	1.6	—	50	0/1	100	0/1
Arsenic	3	1190	04/10/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	3	1190	04/10/01	F	1	1	19	—	2000	0/1	1000	0/1
Barium	3	1190	04/10/01	NF	1	1	20	—	—	—	—	—
Beryllium	3	1190	04/10/01	F	1	0	—	[0.012]	4	0/1	—	—
Beryllium	3	1190	04/10/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	3	1190	04/10/01	F	1	1	17	—	—	—	750	0/1
Boron	3	1190	04/10/01	NF	1	1	12	—	—	—	—	—
Bromide	3	1190	04/10/01	F	1	0	—	[200]	—	—	—	—
Cadmium	3	1190	04/10/01	F	1	0	—	[0.084]	5	0/1	10	0/1
Cadmium	3	1190	04/10/01	NF	1	0	—	[0.084]	—	—	—	—
Calcium	3	1190	04/10/01	F	1	1	12000	—	—	—	—	—
Calcium	3	1190	04/10/01	NF	1	1	12000	—	—	—	—	—

Table 18 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	3	1190	04/10/01	F	1	1	1900	—	250000	0/1	250000	0/1
Chromium (total)	3	1190	04/10/01	F	1	1	1.6	—	100	0/1	50	0/1
Chromium (total)	3	1190	04/10/01	NF	1	1	29	—	—	—	—	—
Cobalt	3	1190	04/10/01	F	1	1	0.51	—	—	—	50	0/1
Cobalt	3	1190	04/10/01	NF	1	1	0.37	—	—	—	—	—
Copper	3	1190	04/10/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	3	1190	04/10/01	NF	1	0	—	[0.27]	—	—	—	—
Cyanide (total)	3	1190	04/10/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	3	1190	04/10/01	F	1	1	530	—	4000	0/1	1600	0/1
Iron	3	1190	04/10/01	F	1	0	—	[100]	300	0/1	1000	0/1
Iron	3	1190	04/10/01	NF	1	0	—	[210]	—	—	—	—
Lead	3	1190	04/10/01	F	1	0	—	[1.1]	15	0/1	50	0/1
Lead	3	1190	04/10/01	NF	1	0	—	[1.1]	—	—	—	—
Magnesium	3	1190	04/10/01	F	1	1	2900	—	—	—	—	—
Magnesium	3	1190	04/10/01	NF	1	1	2900	—	—	—	—	—
Manganese	3	1190	04/10/01	F	1	1	10	—	50	0/1	200	0/1
Manganese	3	1190	04/10/01	NF	1	1	14	—	—	—	—	—
Mercury	3	1190	04/10/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	3	1190	04/10/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	3	1190	04/10/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	3	1190	04/10/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	3	1190	04/10/01	F	1	0	—	[2]	100	0/1	200	0/1
Nickel	3	1190	04/10/01	NF	1	1	19	—	—	—	—	—
Nitrate + Nitrite (as N)	3	1190	04/10/01	F	1	1	270	—	10000	0/1	—	—
Perchlorate	3	1190	04/10/01	F	1	0	—	[0.801]	—	—	—	—
Phosphorus (total)	3	1190	04/10/01	F	1	0	—	[50]	—	—	—	—
Potassium	3	1190	04/10/01	F	1	1	1200	—	—	—	—	—
Potassium	3	1190	04/10/01	NF	1	1	1200	—	—	—	—	—
Selenium	3	1190	04/10/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	3	1190	04/10/01	NF	1	0	—	[1.9]	—	—	—	—

Table 18 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SIO_2	3	1190	04/10/01	F	1	1	72760	—	—	—	—	—
SIO_2	3	1190	04/10/01	NF	1	1	72760	—	—	—	—	—
Silver	3	1190	04/10/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	3	1190	04/10/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	3	1190	04/10/01	F	1	1	11000	—	—	—	—	—
Sodium	3	1190	04/10/01	NF	1	1	11000	—	—	—	—	—
Strontium	3	1190	04/10/01	F	1	1	55	—	—	—	—	—
Strontium	3	1190	04/10/01	NF	1	1	54	—	—	—	—	—
Sulfate	3	1190	04/10/01	F	1	1	1800	—	250000	0/1	600000	0/1
Thallium	3	1190	04/10/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	3	1190	04/10/01	NF	1	0	—	[0.077]	—	—	—	—
Uranium	3	1190	04/10/01	F	1	1	0.269	—	20	0/1	5000	0/1
Uranium	3	1190	04/10/01	NF	1	1	0.261	—	—	—	—	—
Vanadium	3	1190	04/10/01	F	1	1	3.4	—	—	—	—	—
Vanadium	3	1190	04/10/01	NF	1	1	3.6	—	—	—	—	—
Zinc	3	1190	04/10/01	F	1	0	—	[1.3]	5000	0/1	10000	0/1
Zinc	3	1190	04/10/01	NF	1	1	13	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	3	1190	04/10/01	NF	1	1	-77	—	—	—	—	—
δ O18/O16	3	1190	04/10/01	NF	1	1	-10.9	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 19
Regional Well R-19 Screen 4 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	4	1412	04/09/01	NF[e]	1	1	62000	—[f]				
pH	4	1412	04/09/01	NF	1	1	6.88	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	4	1412	04/09/01	NF	1	1	126	—	—	0/1	—	0/1
Temperature (°C)	4	1412	04/09/01	NF	1	1	18.1	—	—	0/1	—	0/1
Turbidity (NTU)[g]	4	1412	04/09/01	NF	1	1	0.7	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	4	1412	04/09/01	F[h]	1	1	62000	—	—	—	—	—
Aluminum	4	1412	04/09/01	F	1	0	—	[22]	50	0/1	5000	0/1
Aluminum	4	1412	04/09/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	4	1412	04/09/01	F	1	0	—	[500]	—	—	—	—
Antimony	4	1412	04/09/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	4	1412	04/09/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	4	1412	04/09/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	4	1412	04/09/01	NF	1	1	1.8	—	—	—	—	—
Barium	4	1412	04/09/01	F	1	1	35	—	2000	0/1	1000	0/1
Barium	4	1412	04/09/01	NF	1	1	32	—	—	—	—	—
Beryllium	4	1412	04/09/01	F	1	1	0.026	—	4	0/1	—	—
Beryllium	4	1412	04/09/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	4	1412	04/09/01	F	1	1	11	—	—	—	750	0/1
Boron	4	1412	04/09/01	NF	1	1	7.1	—	—	—	—	—
Bromide	4	1412	04/09/01	F	1	0	—	[200]	—	—	—	—
Cadmium	4	1412	04/09/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	4	1412	04/09/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	4	1412	04/09/01	F	1	1	9200	—	—	—	—	—
Calcium	4	1412	04/09/01	NF	1	1	10000	—	—	—	—	—

Table 19 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	4	1412	04/09/01	F	1	1	1700	—	250000	0/1	250000	0/1
Chromium (total)	4	1412	04/09/01	F	1	1	1.4	—	100	0/1	50	0/1
Chromium (total)	4	1412	04/09/01	NF	1	1	11	—	—	—	—	—
Cobalt	4	1412	04/09/01	F	1	1	0.49	—	—	—	50	0/1
Cobalt	4	1412	04/09/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	4	1412	04/09/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	4	1412	04/09/01	NF	1	0	—	[1.4]	—	—	—	—
Cyanide (total)	4	1412	04/09/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	4	1412	04/09/01	F	1	1	410	—	4000	0/1	1600	0/1
Iron	4	1412	04/09/01	F	1	0	—	[86]	300	0/1	1000	0/1
Iron	4	1412	04/09/01	NF	1	0	—	[110]	—	—	—	—
Lead	4	1412	04/09/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	4	1412	04/09/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	4	1412	04/09/01	F	1	1	2700	—	—	—	—	—
Magnesium	4	1412	04/09/01	NF	1	1	2900	—	—	—	—	—
Manganese	4	1412	04/09/01	F	1	1	23	—	50	0/1	200	0/1
Manganese	4	1412	04/09/01	NF	1	1	6.8	—	—	—	—	—
Mercury	4	1412	04/09/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	4	1412	04/09/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	4	1412	04/09/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	4	1412	04/09/01	NF	1	0	—	[4.5]	—	—	—	—
Nickel	4	1412	04/09/01	F	1	0	—	[3.8]	100	0/1	200	0/1
Nickel	4	1412	04/09/01	NF	1	1	7.4	—	—	—	—	—
Nitrate + Nitrite (as N)	4	1412	04/09/01	F	1	1	290	—	10000	0/1	—	—
Oxalate	4	1412	04/09/01	F	1	0	—	[190]	—	—	—	—
Perchlorate	4	1412	04/09/01	F	1	0	—	[0.801]	—	—	—	—
Phosphorus (total)	4	1412	04/09/01	F	1	0	—	[50]	—	—	—	—
Potassium	4	1412	04/09/01	F	1	1	1500	—	—	—	—	—
Potassium	4	1412	04/09/01	NF	1	1	1800	—	—	—	—	—
Selenium	4	1412	04/09/01	F	1	0	—	[1.9]	50	0/1	50	0/1

Table 19 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	4	1412	04/09/01	NF	1	0	—	[2.5]	—	—	—	—
SiO_2	4	1412	04/09/01	F	1	1	77040	—	—	—	—	—
SiO_2	4	1412	04/09/01	NF	1	1	72760	—	—	—	—	—
Silver	4	1412	04/09/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	4	1412	04/09/01	NF	1	0	—	[0.77]	—	—	—	—
Sodium	4	1412	04/09/01	F	1	1	11000	—	—	—	—	—
Sodium	4	1412	04/09/01	NF	1	1	11000	—	—	—	—	—
Strontium	4	1412	04/09/01	F	1	1	53	—	—	—	—	—
Strontium	4	1412	04/09/01	NF	1	1	54	—	—	—	—	—
Sulfate	4	1412	04/09/01	F	1	1	1600	—	250000	0/1	600000	0/1
Thallium	4	1412	04/09/01	F	1	1	0.639	—	2	0/1	—	—
Thallium	4	1412	04/09/01	NF	1	0	—	[0.077]	—	—	—	—
Uranium	4	1412	04/09/01	F	1	1	0.255	—	20	0/1	5000	0/1
Uranium	4	1412	04/09/01	NF	1	1	0.276	—	—	—	—	—
Vanadium	4	1412	04/09/01	F	1	1	3.2	—	—	—	—	—
Vanadium	4	1412	04/09/01	NF	1	1	4.2	—	—	—	—	—
Zinc	4	1412	04/09/01	F	1	1	8.2	—	5000	0/1	10000	0/1
Stable Isotope (‰)												
δ D/H	4	1412	04/09/01	NF	1	1	-79	—	—	—	—	—
δ O18/O16	4	1412	04/09/01	NF	1	1	-11.4	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 20
Regional Well R-19 Screen 5 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	5	1586	04/05/01	NF[e]	1	1	141000	—[f]	—	—	—	—
pH	5	1586	04/05/01	NF	1	1	6.99	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	5	1586	04/05/01	NF	1	1	288	—	—	0/1	—	0/1
Temperature (°C)	5	1586	04/05/01	NF	1	1	19.2	—	—	0/1	—	0/1
Turbidity (NTU)[g]	5	1586	04/05/01	NF	1	1	14.9	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	5	1586	04/05/01	F[h]	2	2	150000	—	—	—	—	—
Aluminum	5	1586	04/05/01	F	2	0	—	[7.7]	50	0/2	5000	0/2
Aluminum	5	1586	04/05/01	NF	2	0	—	[7.7]	—	—	—	—
Ammonia (as N)	5	1586	04/05/01	F	2	2	900	—	—	—	—	—
Antimony	5	1586	04/05/01	F	2	0	—	[0.153]	6	0/2	—	—
Antimony	5	1586	04/05/01	NF	2	0	—	[0.153]	—	—	—	—
Arsenic	5	1586	04/05/01	F	2	2	2.7	—	50	0/2	100	0/2
Arsenic	5	1586	04/05/01	NF	2	2	2.3	—	—	—	—	—
Barium	5	1586	04/05/01	F	2	2	110	—	2000	0/2	1000	0/2
Barium	5	1586	04/05/01	NF	2	2	120	—	—	—	—	—
Beryllium	5	1586	04/05/01	F	2	2	0.015	—	4	0/2	—	—
Beryllium	5	1586	04/05/01	NF	2	1	0.017	—	—	—	—	—
Boron	5	1586	04/05/01	F	2	2	0.26	—	—	—	750	0/2
Boron	5	1586	04/05/01	NF	2	2	33	—	—	—	—	—
Bromide	5	1586	04/05/01	F	2	0	—	[200]	—	—	—	—
Cadmium	5	1586	04/05/01	F	2	0	—	[0.066]	5	0/2	10	0/2
Cadmium	5	1586	04/05/01	NF	2	0	—	[0.066]	—	—	—	—
Calcium	5	1586	04/05/01	F	2	2	33000	—	—	—	—	—
Calcium	5	1586	04/05/01	NF	2	2	34000	—	—	—	—	—

Table 20 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	5	1586	04/05/01	F	2	2	2100	—	250000	0/2	250000	0/2
Chromium (total)	5	1586	04/05/01	F	2	1	—	[0.34]	100	0/2	50	0/2
Chromium (total)	5	1586	04/05/01	NF	2	2	7.5	—	—	—	—	—
Cobalt	5	1586	04/05/01	F	2	0	—	[2.1]	—	—	50	0/2
Cobalt	5	1586	04/05/01	NF	2	0	—	[2.4]	—	—	—	—
Copper	5	1586	04/05/01	F	2	0	—	[0.34]	1300	0/2	1000	0/2
Copper	5	1586	04/05/01	NF	2	1	—	[0.74]	—	—	—	—
Cyanide (total)	5	1586	04/05/01	NF	2	0	—	[10]	—	—	—	—
Fluoride	5	1586	04/05/01	F	2	2	420	—	4000	0/2	1600	0/2
Iron	5	1586	04/05/01	F	2	2	5900	—	300	2/2	1000	2/2
Iron	5	1586	04/05/01	NF	2	2	8200	—	—	—	—	—
Lead	5	1586	04/05/01	F	2	0	—	[0.037]	15	0/2	50	0/2
Lead	5	1586	04/05/01	NF	2	0	—	[0.04]	—	—	—	—
Magnesium	5	1586	04/05/01	F	2	2	5200	—	—	—	—	—
Magnesium	5	1586	04/05/01	NF	2	2	5100	—	—	—	—	—
Manganese	5	1586	04/05/01	F	2	2	940	—	50	2/2	200	2/2
Manganese	5	1586	04/05/01	NF	2	2	960	—	—	—	—	—
Mercury	5	1586	04/05/01	F	2	0	—	[0.016]	2	0/2	—	—
Mercury	5	1586	04/05/01	NF	2	0	—	[0.016]	—	—	2	0/2
Molybdenum	5	1586	04/05/01	F	2	2	11	—	—	—	—	—
Molybdenum	5	1586	04/05/01	NF	2	2	13	—	—	—	—	—
Nickel	5	1586	04/05/01	F	2	2	4.5	—	100	0/2	200	0/2
Nickel	5	1586	04/05/01	NF	2	2	11	—	—	—	—	—
Nitrate + Nitrite (as N)	5	1586	04/05/01	F	2	0	—	[100]	10000	0/2	—	—
Oxalate	5	1586	04/05/01	F	2	0	—	[190]	—	—	—	—
Perchlorate	5	1586	04/05/01	F	2	0	—	[0.801]	—	—	—	—
Phosphorus (total)	5	1586	04/05/01	F	2	2	75	—	—	—	—	—
Potassium	5	1586	04/05/01	F	2	2	2600	—	—	—	—	—
Potassium	5	1586	04/05/01	NF	2	2	2700	—	—	—	—	—
Selenium	5	1586	04/05/01	F	2	1	2.5	—	50	0/2	50	0/2

Table 20 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	5	1586	04/05/01	NF	2	1	—	[2.5]	—	—	—	—
SiO_2	5	1586	04/05/01	F	2	2	49220	—	—	—	—	—
SiO_2	5	1586	04/05/01	NF	2	2	49220	—	—	—	—	—
Silver	5	1586	04/05/01	F	2	0	—	[0.83]	100	0/2	50	0/2
Silver	5	1586	04/05/01	NF	2	0	—	[1]	—	—	—	—
Sodium	5	1586	04/05/01	F	2	2	14000	—	—	—	—	—
Sodium	5	1586	04/05/01	NF	2	2	14000	—	—	—	—	—
Strontium	5	1586	04/05/01	F	2	2	750	—	—	—	—	—
Strontium	5	1586	04/05/01	NF	2	2	760	—	—	—	—	—
Sulfate	5	1586	04/05/01	F	2	0	—	[1000]	250000	0/2	600000	0/2
Thallium	5	1586	04/05/01	F	2	0	—	[0.077]	2	0/2	—	—
Thallium	5	1586	04/05/01	NF	2	2	0.251	—	—	—	—	—
Total Kjeldahl Nitrogen	5	1586	04/05/01	F	2	2	1500	—	—	—	—	—
Uranium	5	1586	04/05/01	F	2	2	0.027	—	20	0/2	5000	0/2
Uranium	5	1586	04/05/01	NF	2	2	0.031	—	—	—	—	—
Vanadium	5	1586	04/05/01	F	2	1	0.46	—	—	—	—	—
Vanadium	5	1586	04/05/01	NF	2	1	—	[0.38]	—	—	—	—
Zinc	5	1586	04/05/01	F	2	0	—	[2.8]	5000	0/2	10000	0/2
Zinc	5	1586	04/05/01	NF	2	0	—	[5.6]	—	—	—	—
Stable Isotope **(‰)**												
δ D/H	5	1586	04/05/01	NF	2	2	-79	—	—	—	—	—
δ O18/O16	5	1586	04/05/01	NF	2	2	-11	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 21
Regional Well R-19 Screen 6 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	6	1730	04/03/01	NF[e]	1	1	84900	—[f]				
pH	6	1730	04/03/01	NF	1	1	7.30	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	6	1730	04/03/01	NF	1	1	200	—	—	0/1	—	0/1
Temperature (°C)	6	1730	04/03/01	NF	1	1	21.6	—	—	0/1	—	0/1
Turbidity (NTU)[g]	6	1730	04/03/01	NF	1	1	1.2	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	6	1730	04/03/01	F[h]	1	1	95000	—	—	—	—	—
Aluminum	6	1730	04/03/01	F	1	1	9	—	50	0/1	5000	0/1
Aluminum	6	1730	04/03/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	6	1730	04/03/01	F	1	1	730	—	—	—	—	—
Antimony	6	1730	04/03/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	6	1730	04/03/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	6	1730	04/03/01	F	1	1	3.2	—	50	0/1	100	0/1
Arsenic	6	1730	04/03/01	NF	1	1	3.8	—	—	—	—	—
Barium	6	1730	04/03/01	F	1	1	20	—	2000	0/1	1000	0/1
Barium	6	1730	04/03/01	NF	1	1	21	—	—	—	—	—
Beryllium	6	1730	04/03/01	F	1	1	0.014	—	4	0/1	—	—
Beryllium	6	1730	04/03/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	6	1730	04/03/01	F	1	1	25	—	—	—	750	0/1
Boron	6	1730	04/03/01	NF	1	1	19	—	—	—	—	—
Bromide	6	1730	04/03/01	F	1	0	—	[200]	—	—	—	—
Cadmium	6	1730	04/03/01	F	1	1	0.147	—	5	0/1	10	0/1
Cadmium	6	1730	04/03/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	6	1730	04/03/01	F	1	1	6200	—	—	—	—	—
Calcium	6	1730	04/03/01	NF	1	1	6400	—	—	—	—	—

Table 21 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	6	1730	04/03/01	F	1	1	2000	—	250000	0/1	250000	0/1
Chromium (total)	6	1730	04/03/01	F	1	1	0.8	—	100	0/1	50	0/1
Chromium (total)	6	1730	04/03/01	NF	1	1	1.2	—	—	—	—	—
Cobalt	6	1730	04/03/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	6	1730	04/03/01	NF	1	0	—	[0.93]	—	—	—	—
Copper	6	1730	04/03/01	F	1	0	—	[0.92]	1300	0/1	1000	0/1
Copper	6	1730	04/03/01	NF	1	0	—	[0.84]	—	—	—	—
Cyanide (total)	6	1730	04/03/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	6	1730	04/03/01	F	1	1	460	—	4000	0/1	1600	0/1
Iron	6	1730	04/03/01	F	1	1	4200	—	300	1/1	1000	1/1
Iron	6	1730	04/03/01	NF	1	1	4200	—	—	—	—	—
Lead	6	1730	04/03/01	F	1	0	—	[0.223]	15	0/1	50	0/1
Lead	6	1730	04/03/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	6	1730	04/03/01	F	1	1	1700	—	—	—	—	—
Magnesium	6	1730	04/03/01	NF	1	1	1700	—	—	—	—	—
Manganese	6	1730	04/03/01	F	1	1	440	—	50	1/1	200	1/1
Manganese	6	1730	04/03/01	NF	1	1	450	—	—	—	—	—
Mercury	6	1730	04/03/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	6	1730	04/03/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	6	1730	04/03/01	F	1	1	8.1	—	—	—	—	—
Molybdenum	6	1730	04/03/01	NF	1	1	7.5	—	—	—	—	—
Nickel	6	1730	04/03/01	F	1	1	4.4	—	100	0/1	200	0/1
Nickel	6	1730	04/03/01	NF	1	1	4.3	—	—	—	—	—
Nitrate + Nitrite (as N)	6	1730	04/03/01	F	1	0	—	[10]	10000	0/1	—	—
Oxalate	6	1730	04/03/01	F	1	0	—	[190]	—	—	—	—
Perchlorate	6	1730	04/03/01	F	1	0	—	[0.801]	—	—	—	—
Phosphorus (total)	6	1730	04/03/01	F	1	1	110	—	—	—	—	—
Potassium	6	1730	04/03/01	F	1	1	2200	—	—	—	—	—
Potassium	6	1730	04/03/01	NF	1	1	2300	—	—	—	—	—
Selenium	6	1730	04/03/01	F	1	1	2.6	—	50	0/1	50	0/1

Table 21 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	6	1730	04/03/01	NF	1	0	—	[2.5]	—	—	—	—
SIO_2	6	1730	04/03/01	F	1	1	72760	—	—	—	—	—
SIO_2	6	1730	04/03/01	NF	1	1	72760	—	—	—	—	—
Silver	6	1730	04/03/01	F	1	0	—	[0.9]	100	0/1	50	0/1
Silver	6	1730	04/03/01	NF	1	0	—	[1.1]	—	—	—	—
Sodium	6	1730	04/03/01	F	1	1	30000	—	—	—	—	—
Sodium	6	1730	04/03/01	NF	1	1	30000	—	—	—	—	—
Strontium	6	1730	04/03/01	F	1	1	36	—	—	—	—	—
Strontium	6	1730	04/03/01	NF	1	1	37	—	—	—	—	—
Sulfate	6	1730	04/03/01	F	1	0	—	[1000]	250000	0/1	600000	0/1
Thallium	6	1730	04/03/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	6	1730	04/03/01	NF	1	1	0.569	—	—	—	—	—
Total Kjeldahl Nitrogen	6	1730	04/03/01	F	1	1	600	—	—	—	—	—
Uranium	6	1730	04/03/01	F	1	1	0.035	—	20	0/1	5000	0/1
Uranium	6	1730	04/03/01	NF	1	1	0.033	—	—	—	—	—
Vanadium	6	1730	04/03/01	F	1	0	—	[0.38]	—	—	—	—
Vanadium	6	1730	04/03/01	NF	1	1	0.46	—	—	—	—	—
Zinc	6	1730	04/03/01	F	1	0	—	[8]	5000	0/1	10000	0/1
Zinc	6	1730	04/03/01	NF	1	1	12	—	—	—	—	—
Stable Isotope **(‰)**												
δ D/H	6	1730	04/03/01	NF	1	1	-76	—	—	—	—	—
δ O18/O16	6	1730	04/03/01	NF	1	1	-11	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 22
Regional Well R-19 Screen 7 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	7	1834	03/30/01	NF[e]	1	1	84900	—[f]				
pH	7	1834	03/30/01	NF	1	1	7.69	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	7	1834	03/30/01	NF	1	1	566	—	—	0/1	—	0/1
Temperature (°C)	7	1834	03/30/01	NF	1	1	21	—	—	0/1	—	0/1
Turbidity (NTU)[g]	7	1834	03/30/01	NF	1	1	8.8	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	7	1834	03/30/01	F[h]	1	1	230000	—	—	—	—	—
Aluminum	7	1834	03/30/01	F	1	0	—	[81]	50	0/1	5000	0/1
Aluminum	7	1834	03/30/01	NF	1	1	510	—	—	—	—	—
Ammonia (as N)	7	1834	03/30/01	F	1	0	—	[500]	—	—	—	—
Antimony	7	1834	03/30/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	7	1834	03/30/01	NF	1	1	0.179	—	—	—	—	—
Arsenic	7	1834	03/30/01	F	1	1	8.4	—	50	0/1	100	0/1
Arsenic	7	1834	03/30/01	NF	1	1	9.1	—	—	—	—	—
Barium	7	1834	03/30/01	F	1	1	15	—	2000	0/1	1000	0/1
Barium	7	1834	03/30/01	NF	1	1	24	—	—	—	—	—
Beryllium	7	1834	03/30/01	F	1	1	0.022	—	4	0/1	—	—
Beryllium	7	1834	03/30/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	7	1834	03/30/01	F	1	0	—	[25]	—	—	750	0/1
Boron	7	1834	03/30/01	NF	1	0	—	[29]	—	—	—	—
Bromide	7	1834	03/30/01	F	1	0	—	[200]	—	—	—	—
Cadmium	7	1834	03/30/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	7	1834	03/30/01	NF	1	0	—	[0.2]	—	—	—	—
Calcium	7	1834	03/30/01	F	1	1	3600	—	—	—	—	—
Calcium	7	1834	03/30/01	NF	1	1	4100	—	—	—	—	—

Table 22 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	7	1834	03/30/01	F	1	1	2300	—	250000	0/1	250000	0/1
Chromium (total)	7	1834	03/30/01	F	1	0	—	[1.3]	100	0/1	50	0/1
Chromium (total)	7	1834	03/30/01	NF	1	1	15	—	—	—	—	—
Cobalt	7	1834	03/30/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	7	1834	03/30/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	7	1834	03/30/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	7	1834	03/30/01	NF	1	1	0.61	—	—	—	—	—
Cyanide (total)	7	1834	03/30/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	7	1834	03/30/01	F	1	1	830	—	4000	0/1	1600	0/1
Iron	7	1834	03/30/01	F	1	0	—	[240]	300	0/1	1000	0/1
Iron	7	1834	03/30/01	NF	1	1	1400	—	—	—	—	—
Lead	7	1834	03/30/01	F	1	0	—	[0.566]	15	0/1	50	0/1
Lead	7	1834	03/30/01	NF	1	1	0.67	—	—	—	—	—
Magnesium	7	1834	03/30/01	F	1	1	900	—	—	—	—	—
Magnesium	7	1834	03/30/01	NF	1	1	1000	—	—	—	—	—
Manganese	7	1834	03/30/01	F	1	1	150	—	50	1/1	200	0/1
Manganese	7	1834	03/30/01	NF	1	1	170	—	—	—	—	—
Mercury	7	1834	03/30/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	7	1834	03/30/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	7	1834	03/30/01	F	1	1	35	—	—	—	—	—
Molybdenum	7	1834	03/30/01	NF	1	1	43	—	—	—	—	—
Nickel	7	1834	03/30/01	F	1	1	4.5	—	100	0/1	200	0/1
Nickel	7	1834	03/30/01	NF	1	1	14	—	—	—	—	—
Nitrate + Nitrite (as N)	7	1834	03/30/01	F	1	0	—	[100]	10000	0/1	—	—
Oxalate	7	1834	03/30/01	F	1	0	—	[190]	—	—	—	—
Perchlorate	7	1834	03/30/01	F	1	0	—	[801]	—	—	—	—
Phosphorus (total)	7	1834	03/30/01	F	1	1	140	—	—	—	—	—
Potassium	7	1834	03/30/01	F	1	1	2800	—	—	—	—	—
Potassium	7	1834	03/30/01	NF	1	1	3100	—	—	—	—	—

Table 22 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	7	1834	03/30/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	7	1834	03/30/01	NF	1	1	3	—	—	—	—	—
SiO_2	7	1834	03/30/01	F	1	1	57780	—	—	—	—	—
SiO_2	7	1834	03/30/01	NF	1	1	51360	—	—	—	—	—
Silver	7	1834	03/30/01	F	1	0	—	[0.48]	100	0/1	50	0/1
Silver	7	1834	03/30/01	NF	1	0	—	[0.48]	—	—	—	—
Sodium	7	1834	03/30/01	F	1	1	99000	—	—	—	—	—
Sodium	7	1834	03/30/01	NF	1	1	120000	—	—	—	—	—
Strontium	7	1834	03/30/01	F	1	1	40	—	—	—	—	—
Strontium	7	1834	03/30/01	NF	1	1	44	—	—	—	—	—
Sulfate	7	1834	03/30/01	F	1	1	50000	—	250000	0/1	600000	0/1
Thallium	7	1834	03/30/01	F	1	1	0.472	—	2	0/1	—	—
Thallium	7	1834	03/30/01	NF	1	1	0.485	—	—	—	—	—
Total Kjeldahl Nitrogen	7	1834	03/30/01	F	1	1	920	—	—	—	—	—
Uranium	7	1834	03/30/01	F	1	1	1.18	—	20	0/1	5000	0/1
Uranium	7	1834	03/30/01	NF	1	1	1.65	—	—	—	—	—
Vanadium	7	1834	03/30/01	F	1	0	—	—	—	—	—	—
Vanadium	7	1834	03/30/01	NF	1	1	0.79	—	—	—	—	—
Zinc	7	1834	03/30/01	F	1	0	—	—	5000	0/1	10000	0/1
Zinc	7	1834	03/30/01	NF	1	1	55	—	—	—	—	—
Stable Isotope **(‰)**												
δ D/H	7	1834	03/30/01	NF	1	1	-77	—	—	—	—	—
δ O18/O16	7	1834	03/30/01	NF	1	1	-11	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 23
Regional Well R-19 Screen 2 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	2	909	04/10/01	NF[e]	1	1	1200	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 24
Regional Well R-19 Screen 3 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
High Explosives	3	1190	04/10/01	—	—	—	High explosives are in focused validation status at this time					—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.

Table 25
Regional Well R-19 Screen 4 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
High Explosives	4	1412	04/09/01	—	—	—	High explosives are in focused validation status at this time					—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.

Table 26
Regional Well R-19 Screen 5 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects >NMED Groundwater Standard
Bis(2-ethylhexyl)phthalate	5	1586	04/05/01	NF[e]	2	1	4.4	—[f]	6	0/2	—	—
Total Organic Carbon	5	1586	04/05/01	NF	2	2	8700	—	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 27
Regional Well R-19 Screen 6 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects >NMED Groundwater Standard
Total Organic Carbon	6	1730	04/03/01	NF[e]	1	1	7800	—[f]	6	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 28
Regional Well R-19 Screen 7 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	7	1834	03/30/01	NF[e]	1	1	6.3	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 29
Regional Well R-19 Screen 2 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	2	909	04/10/01	F[c]	1	0	—[d]	[0.019]	15[e]	0/1
Cesium-134	2	909	04/10/01	F	1	0	—	[-0.6]	—	—
Cesium-137	2	909	04/10/01	F	1	0	—	[-2.1]	—	—
Cobalt-60	2	909	04/10/01	F	1	0	—	[1.2]	—	—
Europium-152	2	909	04/10/01	F	1	0	—	[-9]	—	—
Gross Alpha Radiation	2	909	04/10/01	NF[f]	1	0	—	[0.53]	—	—
Gross Beta Radiation	2	909	04/10/01	NF	1	0	—	[0.6]	—	—
Gross Gamma Radiation	2	909	04/10/01	NF	1	0	—	[54]	—	—
Plutonium-238	2	909	04/10/01	F	1	0	—	[-0.003]	15[e]	0/1
Plutonium-239	2	909	04/10/01	F	1	0	—	[0.015]	15[e]	0/1
Ruthenium-106	2	909	04/10/01	F	1	0	—	[-4]	—	—
Sodium-22	2	909	04/10/01	F	1	0	—	[1.7]	—	—
Strontium-90	2	909	04/10/01	F	1	0	—	[0.1]	8	0/1
Tritium	2	909	04/10/01	NF	1	0	—	[0.06386]	20000	0/1
Uranium-234	2	909	04/10/01	F	1	1	0.281	—	—	—
Uranium-235	2	909	04/10/01	F	1	0	—	[-0.006]	—	—
Uranium-238	2	909	04/10/01	F	1	1	0.122	—	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 30
Regional Well R-19 Screen 3 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	3	1190	04/10/01	F[c]	1	0	—[d]	[0.036]	15[e]	0/1
Cesium-134	3	1190	04/10/01	F	1	0	—	[-1.1]	—	—
Cesium-137	3	1190	04/10/01	F	1	0	—	[-0.8]	—	—
Cobalt-60	3	1190	04/10/01	F	1	0	—	[0.7]	—	—
Europium-152	3	1190	04/10/01	F	1	0	—	[-2]	—	—
Gross Alpha Radiation	3	1190	04/10/01	NF[f]	1	0	—	[-0.11]	—	—
Gross Beta Radiation	3	1190	04/10/01	NF	1	0	—	[0.53]	—	—
Gross Gamma Radiation	3	1190	04/10/01	NF	1	0	—	[40]	—	—
Plutonium-238	3	1190	04/10/01	F	1	0	—	[-0.011]	15[e]	0/1
Plutonium-239	3	1190	04/10/01	F	1	0	—	[0.011]	15[e]	0/1
Ruthenium-106	3	1190	04/10/01	F	1	0	—	[-1]	—	—
Sodium-22	3	1190	04/10/01	F	1	0	—	[0]	—	—
Strontium-90	3	1190	04/10/01	F	1	0	—	[1.7]	8	0/1
Tritium	3	1190	04/10/01	NF	1	0	—	[0.6386]	20000	0/1
Uranium-234	3	1190	04/10/01	F	1	1	0.248	—	—	—
Uranium-235	3	1190	04/10/01	F	1	0	—	[-0.001]	—	—
Uranium-238	3	1190	04/10/01	F	1	1	0.115	—	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 31
Regional Well R-19 Screen 4 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	4	1412	04/09/01	F[c]	1	0	—[d]	[0.034]	15[e]	0/1
Cesium-134	4	1412	04/09/01	F	1	0	—	[-2.2]	—	—
Cesium-137	4	1412	04/09/01	F	1	0	—	[-2.6]	—	—
Cobalt-60	4	1412	04/09/01	F	1	0	—	[2.8]	—	—
Europium-152	4	1412	04/09/01	F	1	0	—	[8]	—	—
Gross Alpha Radiation	4	1412	04/09/01	NF[f]	1	0	—	[0.68]	—	—
Gross Beta Radiation	4	1412	04/09/01	NF	1	1	2.6	—	—	—
Gross Gamma Radiation	4	1412	04/09/01	NF	1	1	58	—	—	—
Plutonium-238	4	1412	04/09/01	F	1	0	—	[-0.004]	15[e]	0/1
Plutonium-239	4	1412	04/09/01	F	1	0	—	[-0.002]	15[e]	0/1
Ruthenium-106	4	1412	04/09/01	F	1	0	—	[4]	—	—
Sodium-22	4	1412	04/09/01	F	1	0	—	[1.5]	—	—
Strontium-90	4	1412	04/09/01	F	1	0	—	[0.6]	8	0/1
Tritium	4	1412	04/09/01	NF	1	0	—	[0.67053]	20000	0/1
Uranium-234	4	1412	04/09/01	F	1	1	0.272	—	—	—
Uranium-235	4	1412	04/09/01	F	1	0	—	[0.023]	—	—
Uranium-238	4	1412	04/09/01	F	1	1	0.136	—	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 32
Regional Well R-19 Screen 5 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	5	1586	04/05/01	F[c]	2	0	—[d]	[0]	15[e]	0/2
Cesium-134	5	1586	04/05/01	F	2	0	—	[-0.2]	—	—
Cesium-137	5	1586	04/05/01	F	2	0	—	[-3.5]	—	—
Cobalt-60	5	1586	04/05/01	F	2	0	—	[-0.6]	—	—
Europium-152	5	1586	04/05/01	F	2	0	—	[-11]	—	—
Gross Alpha Radiation	5	1586	04/05/01	NF[f]	2	1	1.27	—	—	—
Gross Beta Radiation	5	1586	04/05/01	NF	2	2	3	—	—	—
Gross Gamma Radiation	5	1586	04/05/01	NF	2	0	—	[26]	—	—
Plutonium-238	5	1586	04/05/01	F	2	0	—	[0]	15[e]	0/2
Plutonium-239	5	1586	04/05/01	F	2	0	—	[-0.004]	15[e]	0/2
Ruthenium-106	5	1586	04/05/01	F	2	0	—	[17]	—	—
Sodium-22	5	1586	04/05/01	F	2	0	—	[2.7]	—	—
Strontium-90	5	1586	04/05/01	F	2	0	—	[-0.3]	8	0/2
Tritium	5	1586	04/05/01	NF	2	0	—	[0.511]	20000	0/2
Uranium-234	5	1586	04/05/01	F	2	0	—	[0.02]	—	—
Uranium-235	5	1586	04/05/01	F	2	0	—	[0.011]	—	—
Uranium-238	5	1586	04/05/01	F	2	0	—	[0.04]	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 33
Regional Well R-19 Screen 6 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	6	1730	04/03/01	F[c]	1	0	—[d]	[0.008]	15[e]	0/1
Cesium-134	6	1730	04/03/01	F	1	0	—	[-2.5]	—	—
Cesium-137	6	1730	04/03/01	F	1	0	—	[0.7]	—	—
Cobalt-60	6	1730	04/03/01	F	1	0	—	[-1.8]	—	—
Europium-152	6	1730	04/03/01	F	1	0	—	[-2]	—	—
Gross Alpha Radiation	6	1730	04/03/01	NF[f]	1	0	—	[1.6]	—	—
Gross Beta Radiation	6	1730	04/03/01	NF	1	1	3.4	—	—	—
Gross Gamma Radiation	6	1730	04/03/01	NF	1	1	157	—	—	—
Plutonium-238	6	1730	04/03/01	F	1	0	—	[0.014]	15[e]	0/1
Plutonium-239	6	1730	04/03/01	F	1	0	—	[0.021]	15[e]	0/1
Ruthenium-106	6	1730	04/03/01	F	1	0	—	[-13]	—	—
Sodium-22	6	1730	04/03/01	F	1	0	—	[0.6]	—	—
Strontium-90	6	1730	04/03/01	F	1	0	—	[0.5]	8	0/1
Tritium	6	1730	04/03/01	NF	1	0	—	[0.54281]	20000	0/1
Uranium-234	6	1730	04/03/01	F	1	1	0.134	—	—	—
Uranium-235	6	1730	04/03/01	F	1	0	—	[0.014]	—	—
Uranium-238	6	1730	04/03/01	F	1	1	0.147	—	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 34
Regional Well R-19 Screen 7 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	7	1834	03/30/01	F[c]	1	0	—[d]	[0.02]	15[e]	0/1
Cesium-134	7	1834	03/30/01	F	1	0	—	[0.2]	—	—
Cesium-137	7	1834	03/30/01	F	1	0	—	[-2.2]	—	—
Cobalt-60	7	1834	03/30/01	F	1	0	—	[1.6]	—	—
Europium-152	7	1834	03/30/01	F	1	0	—	[6]	—	—
Gross Alpha Radiation	7	1834	03/30/01	NF[f]	1	1	4.6	—	—	—
Gross Beta Radiation	7	1834	03/30/01	NF	1	0	—	[1.4]	—	—
Gross Gamma Radiation	7	1834	03/30/01	NF	1	1	168	—	—	—
Plutonium-238	7	1834	03/30/01	F	1	0	—	[-0.007]	15[e]	0/1
Plutonium-239	7	1834	03/30/01	F	1	0	—	[0.009]	15[e]	0/1
Ruthenium-106	7	1834	03/30/01	F	1	0	—	[14]	—	—
Sodium-22	7	1834	03/30/01	F	1	0	—	[1.4]	—	—
Strontium-90	7	1834	03/30/01	F	1	0	—	[0.4]	8	0/1
Tritium	7	1834	03/30/01	NF	1	0	—	[0.607]	20000	0/1
Uranium-234	7	1834	03/30/01	F	1	1	1.24	—	—	—
Uranium-235	7	1834	03/30/01	F	1	0	—	[0.02]	—	—
Uranium-238	7	1834	03/30/01	F	1	1	0.5	—	—	—

[a] The static water level for the regional aquifer at R-19, when the well was drilled, was 1178 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 35
Regional Well R-22 Screen 1 First Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	1	906	03/13/01	NF[e]	1	0	—[f]	—	—	—	—	—
pH	1	906	03/13/01	NF	1	1	7.21	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	1	906	03/13/01	NF	1	1	458	—	—	0/1	—	0/1
Temperature (°C)	1	906	03/13/01	NF	1	1	19.6	—	—	0/1	—	0/1
Turbidity (NTU)[g]	1	906	03/13/01	NF	1	1	9.3	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	1	906	03/13/01	F[h]	1	1	230000	—	—	—	—	—
Aluminum	1	906	03/13/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Ammonia (as N)	1	906	03/13/01	F	1	1	960	—	—	—	—	—
Antimony	1	906	03/13/01	F	1	0	—	[0.173]	6	0/1	—	—
Arsenic	1	906	03/13/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Barium	1	906	03/13/01	F	1	1	130	—	2000	0/1	1000	0/1
Beryllium	1	906	03/13/01	F	1	0	—	[0.11]	4	0/1	—	—
Boron	1	906	03/13/01	F	1	0	—	[32]	—	—	750	0/1
Bromide	1	906	03/13/01	F	1	0	—	[200]	—	—	—	—
Cadmium	1	906	03/13/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Calcium	1	906	03/13/01	F	1	1	48000	—	—	—	—	—
Chloride	1	906	03/13/01	F	1	1	3800	—	250000	0/1	250000	0/1
Chromium (total)	1	906	03/13/01	F	1	0	—	[0.34]	100	0/1	50	0/1
Cobalt	1	906	03/13/01	F	1	0	—	[0.4]	—	—	50	0/1
Copper	1	906	03/13/01	F	1	1	0.75	—	1300	0/1	1000	0/1
Cyanide (total)	1	906	03/13/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	1	906	03/13/01	F	1	1	410	—	4000	0/1	1600	0/1
Iron	1	906	03/13/01	F	1	1	5000	—	300	1/1	1000	1/1
Lead	1	906	03/13/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Magnesium	1	906	03/13/01	F	1	1	12000	—	—	—	—	—

Table 35 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Manganese	1	906	03/13/01	F	1	1	2900	—	50	1/1	200	1/1
Mercury	1	906	03/13/01	F	1	0	—	[0.016]	2	0/1	—	—
Molybdenum	1	906	03/13/01	F	1	1	40	—	—	—	—	—
Nickel	1	906	03/13/01	F	1	1	3.9	—	100	0/1	200	0/1
Nitrate + Nitrite (as N)	1	906	03/13/01	F	1	0	—	[100]	10000	0/1	—	—
Perchlorate	1	906	03/13/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	1	906	03/13/01	F	1	0	—	[50]	—	—	—	—
Potassium	1	906	03/13/01	F	1	1	3500	—	—	—	—	—
Selenium	1	906	03/13/01	F	1	0	—	[2.5]	50	0/1	50	0/1
SiO_2	1	906	03/13/01	F	1	1	25680	—	—	—	—	—
Silver	1	906	03/13/01	F	1	1	1.1	—	100	0/1	50	0/1
Sodium	1	906	03/13/01	F	1	1	19000	—	—	—	—	—
Strontium	1	906	03/13/01	F	1	1	250	—	—	—	—	—
Sulfate	1	906	03/13/01	F	1	0	—	[1000]	250000	0/1	600000	0/1
Thallium	1	906	03/13/01	F	1	0	—	[0.077]	2	0/1	—	—
Uranium	1	906	03/13/01	F	1	1	0.051	—	20	0/1	5000	0/1
Vanadium	1	906	03/13/01	F	1	0	—	[0.38]	—	—	—	—
Zinc	1	906	03/13/01	F	1	1	8.1	—	5000	0/1	10000	0/1
Stable Isotope (‰)												
δ D/H	1	906	03/13/01	NF	1	1	-78	—	—	—	—	—
δ O18/O16	1	906	03/13/01	NF	1	1	-11	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 36
Regional Well R-22 Screen 2 First Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	2	962	03/12/01	NF[e]	1	1	65700	—[f]	—	—	—	—
pH	2	962	03/12/01	NF	1	1	8.35	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	2	962	03/12/01	NF	1	1	153	—	—	0/1	—	0/1
Temperature (°C)	2	962	03/12/01	NF	1	1	17.0	—	—	0/1	—	0/1
Turbidity (NTU)[g]	2	962	03/12/01	NF	1	1	0.0	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	2	962	03/12/01	F[h]	1	1	71000	—	—	—	—	—
Aluminum	2	962	03/12/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Aluminum	2	962	03/12/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	2	962	03/12/01	F	1	0	—	[50]	—	—	—	—
Antimony	2	962	03/12/01	F	1	0	—	[0.195]	6	0/1	—	—
Antimony	2	962	03/12/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	2	962	03/12/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	2	962	03/12/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	2	962	03/12/01	F	1	1	14	—	2000	0/1	1000	0/1
Barium	2	962	03/12/01	NF	1	1	14	—	—	—	—	—
Beryllium	2	962	03/12/01	F	1	0	—	[0.11]	4	0/1	—	—
Beryllium	2	962	03/12/01	NF	1	0	—	[0.11]	—	—	—	—
Boron	2	962	03/12/01	F	1	0	—	[17]	—	—	750	0/1
Boron	2	962	03/12/01	NF	1	0	—	[17]	—	—	—	—
Bromide	2	962	03/12/01	F	1	0	—	[200]	—	—	—	—
Cadmium	2	962	03/12/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	2	962	03/12/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	2	962	03/12/01	F	1	1	9300	—	—	—	—	—
Calcium	2	962	03/12/01	NF	1	1	9400	—	—	—	—	—

Table 36 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	2	962	03/12/01	F	1	1	3100	—	250000	0/1	250000	0/1
Chromium (total)	2	962	03/12/01	F	1	1	2	—	100	0/1	50	0/1
Chromium (total)	2	962	03/12/01	NF	1	1	4.1	—	—	—	—	—
Cobalt	2	962	03/12/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	2	962	03/12/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	2	962	03/12/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	2	962	03/12/01	NF	1	0	—	[0.34]	—	—	—	—
Cyanide (total)	2	962	03/12/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	2	962	03/12/01	F	1	1	290	—	4000	0/1	1600	0/1
Iron	2	962	03/12/01	F	1	0	—	[51]	300	0/1	1000	0/1
Iron	2	962	03/12/01	NF	1	0	—	[59]	—	—	—	—
Lead	2	962	03/12/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	2	962	03/12/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	2	962	03/12/01	F	1	1	4500	—	—	—	—	—
Magnesium	2	962	03/12/01	NF	1	1	4500	—	—	—	—	—
Manganese	2	962	03/12/01	F	1	1	3.3	—	50	0/1	200	0/1
Manganese	2	962	03/12/01	NF	1	1	3.7	—	—	—	—	—
Mercury	2	962	03/12/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	2	962	03/12/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	2	962	03/12/01	F	1	0	—	[4.5]	—	—	—	—
Molybdenum	2	962	03/12/01	NF	1	0	—	[4.5]	—	—	—	—
Nickel	2	962	03/12/01	F	1	0	—	[0.6]	100	0/1	200	0/1
Nickel	2	962	03/12/01	NF	1	1	1.3	—	—	—	—	—
Nitrate + Nitrite (as N)	2	962	03/12/01	F	1	1	720	—	10000	0/1	—	—
Perchlorate	2	962	03/12/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	2	962	03/12/01	F	1	0	—	[16.3]	—	—	—	—
Potassium	2	962	03/12/01	F	1	1	3100	—	—	—	—	—
Potassium	2	962	03/12/01	NF	1	1	3100	—	—	—	—	—
Selenium	2	962	03/12/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	2	962	03/12/01	NF	1	0	—	[2.5]	—	—	—	—

Table 36 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	2	962	03/12/01	F	1	1	68480	—	—	—	—	—
SiO_2	2	962	03/12/01	NF	1	1	66340	—	—	—	—	—
Silver	2	962	03/12/01	F	1	1	0.84	—	100	0/1	50	0/1
Silver	2	962	03/12/01	NF	1	0	—	[0.48]	—	—	—	—
Sodium	2	962	03/12/01	F	1	1	11000	—	—	—	—	—
Sodium	2	962	03/12/01	NF	1	1	11000	—	—	—	—	—
Strontium	2	962	03/12/01	F	1	1	45	—	—	—	—	—
Strontium	2	962	03/12/01	NF	1	1	45	—	—	—	—	—
Sulfate	2	962	03/12/01	F	1	1	3900	—	250000	0/1	600000	0/1
Thallium	2	962	03/12/01	F	1	1	0.498	—	2	0/1	—	—
Thallium	2	962	03/12/01	NF	1	0	—	[0.077]	—	—	—	—
Total Kjeldahl Nitrogen	2	962	03/12/01	F	1	1	240	—	—	—	—	—
Uranium	2	962	03/12/01	F	1	1	0.478	—	20	0/1	5000	0/1
Uranium	2	962	03/12/01	NF	1	1	0.421	—	—	—	—	—
Vanadium	2	962	03/12/01	F	1	1	4.6	—	—	—	—	—
Vanadium	2	962	03/12/01	NF	1	1	4.7	—	—	—	—	—
Zinc	2	962	03/12/01	F	1	1	2.8	—	5000	0/1	10000	0/1
Zinc	2	962	03/12/01	NF	1	1	2.9	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	2	962	03/12/01	NF	1	1	-78	—	—	—	—	—
δ O18/O16	2	962	03/12/01	NF	1	1	-11.3	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 37
Regional Well R-22 Screen 3 First Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	3	1273	03/09/01	NF[e]	1	1	248200	—[f]	—	—	—	—
pH	3	1273	03/09/01	NF	1	1	8.21	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	3	1273	03/09/01	NF	1	1	478	—	—	0/1	—	0/1
Temperature (°C)	3	1273	03/09/01	NF	1	1	19.5	—	—	0/1	—	0/1
Turbidity (NTU)[g]	3	1273	03/09/01	NF	1	1	3.8	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	3	1273	03/09/01	F	1	1	250000	—	—	—	—	—
Aluminum	3	1273	03/09/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Aluminum	3	1273	03/09/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	3	1273	03/09/01	F	1	0	—	[500]	—	—	—	—
Antimony	3	1273	03/09/01	F	1	0	—	[0.594]	6	0/1	—	—
Antimony	3	1273	03/09/01	NF	1	0	—	[0.331]	—	—	—	—
Arsenic	3	1273	03/09/01	F	1	1	2.6	—	50	0/1	100	0/1
Arsenic	3	1273	03/09/01	NF	1	1	4.8	—	—	—	—	—
Barium	3	1273	03/09/01	F	1	1	140	—	2000	0/1	1000	0/1
Barium	3	1273	03/09/01	NF	1	1	140	—	—	—	—	—
Beryllium	3	1273	03/09/01	F	1	0	—	[0.11]	4	0/1	—	—
Beryllium	3	1273	03/09/01	NF	1	0	—	[0.11]	—	—	—	—
Boron	3	1273	03/09/01	F	1	1	72	—	—	—	750	0/1
Boron	3	1273	03/09/01	NF	1	1	78	—	—	—	—	—
Bromide	3	1273	03/09/01	F	1	0	—	[200]	—	—	—	—
Cadmium	3	1273	03/09/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	3	1273	03/09/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	3	1273	03/09/01	F	1	1	35000	—	—	—	—	—
Calcium	3	1273	03/09/01	NF	1	1	33000	—	—	—	—	—

Table 37 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	3	1273	03/09/01	F	1	1	3900	—	250000	0/1	250000	0/1
Chromium (total)	3	1273	03/09/01	F	1	0	—	[0.34]	100	0/1	50	0/1
Chromium (total)	3	1273	03/09/01	NF	1	1	11	—	—	—	—	—
Cobalt	3	1273	03/09/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	3	1273	03/09/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	3	1273	03/09/01	F	1	1	1.7	—	1300	0/1	1000	0/1
Copper	3	1273	03/09/01	NF	1	1	2.2	—	—	—	—	—
Cyanide (total)	3	1273	03/09/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	3	1273	03/09/01	F	1	1	630	—	4000	0/1	1600	0/1
Iron	3	1273	03/09/01	F	1	1	200	—	300	0/1	1000	0/1
Iron	3	1273	03/09/01	NF	1	1	230	—	—	—	—	—
Lead	3	1273	03/09/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	3	1273	03/09/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	3	1273	03/09/01	F	1	1	11000	—	—	—	—	—
Magnesium	3	1273	03/09/01	NF	1	1	11000	—	—	—	—	—
Manganese	3	1273	03/09/01	F	1	1	200	—	50	1/1	200	1/1
Manganese	3	1273	03/09/01	NF	1	1	160	—	—	—	—	—
Mercury	3	1273	03/09/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	3	1273	03/09/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	3	1273	03/09/01	F	1	1	11	—	—	—	—	—
Molybdenum	3	1273	03/09/01	NF	1	1	17	—	—	—	—	—
Nickel	3	1273	03/09/01	F	1	1	1.4	—	100	0/1	200	0/1
Nickel	3	1273	03/09/01	NF	1	1	8.5	—	—	—	—	—
Nitrate + Nitrite (as N)	3	1273	03/09/01	F	1	1	400	—	10000	0/1	—	—
Perchlorate	3	1273	03/09/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	3	1273	03/09/01	F	1	0	—	[50]	—	—	—	—
Potassium	3	1273	03/09/01	F	1	1	9700	—	—	—	—	—
Potassium	3	1273	03/09/01	NF	1	1	10000	—	—	—	—	—
Selenium	3	1273	03/09/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	3	1273	03/09/01	NF	1	1	2.8	—	—	—	—	—

Table 37 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	3	1273	03/09/01	F	1	1	57780	—	—	—	—	—
SiO_2	3	1273	03/09/01	NF	1	1	59920	—	—	—	—	—
Silver	3	1273	03/09/01	F	1	1	0.97	—	100	0/1	50	0/1
Silver	3	1273	03/09/01	NF	1	1	0.86	—	—	—	—	—
Sodium	3	1273	03/09/01	F	1	1	54000	—	—	—	—	—
Sodium	3	1273	03/09/01	NF	1	1	60000	—	—	—	—	—
Strontium	3	1273	03/09/01	F	1	1	940	—	—	—	—	—
Strontium	3	1273	03/09/01	NF	1	1	1000	—	—	—	—	—
Sulfate	3	1273	03/09/01	F	1	1	31000	—	250000	0/1	600000	0/1
Thallium	3	1273	03/09/01	F	1	0	—	[0.18]	2	0/1	—	—
Thallium	3	1273	03/09/01	NF	1	0	—	[0.277]	—	—	—	—
Total Kjeldahl Nitrogen	3	1273	03/09/01	F	1	1	1700	—	—	—	—	—
Uranium	3	1273	03/09/01	F	1	1	15.2	—	20	0/1	5000	0/1
Uranium	3	1273	03/09/01	NF	1	1	16	—	—	—	—	—
Vanadium	3	1273	03/09/01	F	1	1	2.5	—	—	—	—	—
Vanadium	3	1273	03/09/01	NF	1	1	2.7	—	—	—	—	—
Zinc	3	1273	03/09/01	F	1	1	10	—	5000	0/1	10000	0/1
Zinc	3	1273	03/09/01	NF	1	1	18	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	3	1273	03/09/01	NF	1	1	-76	—	—	—	—	—
δ O18/O16	3	1273	03/09/01	NF	1	1	-11.2	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 38
Regional Well R-22 Screen 4 First Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	4	1379	03/08/01	NF[e]	1	1	258500	—[f]	—	—	—	—
pH	4	1379	03/08/01	NF	1	1	7.21	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	4	1379	03/08/01	NF	1	1	533	—	—	0/1	—	0/1
Temperature (°C)	4	1379	03/08/01	NF	1	1	16.7	—	—	0/1	—	0/1
Turbidity (NTU)[g]	4	1379	03/08/01	NF	1	1	12.8	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	4	1379	03/08/01	F[h]	1	1	280000	—	—	—	—	—
Aluminum	4	1379	03/08/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Ammonia (as N)	4	1379	03/08/01	F	1	1	1800	—	—	—	—	—
Antimony	4	1379	03/08/01	F	1	0	—	[0.201]	6	0/1	—	—
Arsenic	4	1379	03/08/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Barium	4	1379	03/08/01	F	1	1	360	—	2000	0/1	1000	0/1
Beryllium	4	1379	03/08/01	F	1	0	—	[0.11]	4	0/1	—	—
Boron	4	1379	03/08/01	F	1	1	86	—	—	—	750	0/1
Bromide	4	1379	03/08/01	F	1	0	—	[200]	—	—	—	—
Cadmium	4	1379	03/08/01	F	1	0	—	[0.162]	5	0/1	10	0/1
Calcium	4	1379	03/08/01	F	1	1	61000	—	—	—	—	—
Chloride	4	1379	03/08/01	F	1	1	7800	—	250000	0/1	250000	0/1
Chromium (total)	4	1379	03/08/01	F	1	1	2.5	—	100	0/1	50	0/1
Cobalt	4	1379	03/08/01	F	1	0	—	[0.4]	—	—	50	0/1
Copper	4	1379	03/08/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Cyanide (total)	4	1379	03/08/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	4	1379	03/08/01	F	1	1	800	—	4000	0/1	1600	0/1
Iron	4	1379	03/08/01	F	1	1	4900	—	300	1/1	1000	1/1
Lead	4	1379	03/08/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Magnesium	4	1379	03/08/01	F	1	1	15000	—	—	—	—	—

Table 38 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Manganese	4	1379	03/08/01	F	1	1	1600	—	50	1/1	200	1/1
Mercury	4	1379	03/08/01	F	1	0	—	[0.016]	2	0/1	—	—
Molybdenum	4	1379	03/08/01	F	1	1	42	—	—	—	—	—
Nickel	4	1379	03/08/01	F	1	1	3.5	—	100	0/1	200	0/1
Nitrate + Nitrite (as N)	4	1379	03/08/01	F	1	0	—	[100]	10000	0/1	—	—
Perchlorate	4	1379	03/08/01	F	1	0	—	[4]	—	—	—	—
Phosphorus (total)	4	1379	03/08/01	F	1	1	94.54	—	—	—	—	—
Potassium	4	1379	03/08/01	F	1	1	5100	—	—	—	—	—
Selenium	4	1379	03/08/01	F	1	0	—	[2.5]	50	0/1	50	0/1
SiO_2	4	1379	03/08/01	F	1	1	34240	—	—	—	—	—
Silver	4	1379	03/08/01	F	1	1	0.64	—	100	0/1	50	0/1
Sodium	4	1379	03/08/01	F	1	1	23000	—	—	—	—	—
Strontium	4	1379	03/08/01	F	1	1	1100	—	—	—	—	—
Sulfate	4	1379	03/08/01	F	1	0	—	[1000]	250000	0/1	600000	0/1
Thallium	4	1379	03/08/01	F	1	0	—	[0.141]	2	0/1	—	—
Total Kjeldahl Nitrogen	4	1379	03/08/01	F	1	1	2300	—	—	—	—	—
Uranium	4	1379	03/08/01	F	1	1	0.081	—	20	0/1	5000	0/1
Vanadium	4	1379	03/08/01	F	1	0	—	[0.38]	—	—	—	—
Zinc	4	1379	03/08/01	F	1	1	7.5	—	5000	0/1	10000	0/1
Stable Isotope (‰)												
δ D/H	4	1379	03/08/01	NF	1	1	-76	—	—	—	—	—
δ O18/O16	4	1379	03/08/01	NF	1	1	-11	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 39
Regional Well R-22 Screen 5 First Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	5	1449	03/06/01	NF[e]	1	1	142700	—[f]	—	—	—	—
pH	5	1449	03/06/01	NF	1	1	7.01	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	5	1449	03/06/01	NF	1	1	290	—	—	0/1	—	0/1
Temperature (°C)	5	1449	03/06/01	NF	1	1	19.0	—	—	0/1	—	0/1
Turbidity (NTU)[g]	5	1449	03/06/01	NF	1	1	3.1	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	5	1449	03/06/01	F[h]	1	1	150000	—	—	—	—	—
Aluminum	5	1449	03/06/01	F	1	0	—	[7.7]	50	0/1	5000	0/1
Aluminum	5	1449	03/06/01	NF	1	0	—	[7.7]	—	—	—	—
Ammonia (as N)	5	1449	03/06/01	F	1	1	1100	—	—	—	—	—
Antimony	5	1449	03/06/01	F	1	0	—	[0.883]	6	0/1	—	—
Antimony	5	1449	03/06/01	NF	1	0	—	[1.05]	—	—	—	—
Arsenic	5	1449	03/06/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	5	1449	03/06/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	5	1449	03/06/01	F	1	1	120	—	2000	0/1	1000	0/1
Barium	5	1449	03/06/01	NF	1	1	120	—	—	—	—	—
Beryllium	5	1449	03/06/01	F	1	0	—	[0.11]	4	0/1	—	—
Beryllium	5	1449	03/06/01	NF	1	0	—	[0.11]	—	—	—	—
Boron	5	1449	03/06/01	F	1	0	—	[30]	—	—	750	0/1
Boron	5	1449	03/06/01	NF	1	0	—	[27]	—	—	—	—
Bromide	5	1449	03/06/01	F	1	0	—	[200]	—	—	—	—
Cadmium	5	1449	03/06/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	5	1449	03/06/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	5	1449	03/06/01	F	1	1	33000	—	—	—	—	—
Calcium	5	1449	03/06/01	NF	1	1	34000	—	—	—	—	—

Table 39 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	5	1449	03/06/01	F	1	1	4200	—	250000	0/1	250000	0/1
Chromium (total)	5	1449	03/06/01	F	1	1	0.82	—	100	0/1	50	0/1
Chromium (total)	5	1449	03/06/01	NF	1	1	8.8	—	—	—	—	—
Cobalt	5	1449	03/06/01	F	1	0	—	[0.4]	—	—	50	0/1
Cobalt	5	1449	03/06/01	NF	1	0	—	[0.4]	—	—	—	—
Copper	5	1449	03/06/01	F	1	0	—	[0.34]	1300	0/1	1000	0/1
Copper	5	1449	03/06/01	NF	1	1	0.68	—	—	—	—	—
Cyanide (total)	5	1449	03/06/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	5	1449	03/06/01	F	1	1	410	—	4000	0/1	1600	0/1
Iron	5	1449	03/06/01	F	1	1	4300	—	300	1/1	1000	1/1
Iron	5	1449	03/06/01	NF	1	1	4300	—	—	—	—	—
Lead	5	1449	03/06/01	F	1	0	—	[0.65]	15	0/1	50	0/1
Lead	5	1449	03/06/01	NF	1	0	—	[0.65]	—	—	—	—
Magnesium	5	1449	03/06/01	F	1	1	5300	—	—	—	—	—
Magnesium	5	1449	03/06/01	NF	1	1	5800	—	—	—	—	—
Manganese	5	1449	03/06/01	F	1	1	530	—	50	1/1	200	1/1
Manganese	5	1449	03/06/01	NF	1	1	570	—	—	—	—	—
Mercury	5	1449	03/06/01	F	1	0	—	[0.016]	2	0/1	—	—
Mercury	5	1449	03/06/01	NF	1	0	—	[0.016]	—	—	2	0/1
Molybdenum	5	1449	03/06/01	F	1	1	28	—	—	—	—	—
Molybdenum	5	1449	03/06/01	NF	1	1	28	—	—	—	—	—
Nickel	5	1449	03/06/01	F	1	1	0.97	—	100	0/1	200	0/1
Nickel	5	1449	03/06/01	NF	1	1	5.7	—	—	—	—	—
Nitrate + Nitrite (as N)	5	1449	03/06/01	F	1	0	—	[100]	10000	0/1	—	—
Perchlorate	5	1449	03/06/01	F	1	0	—	[0.958]	—	—	—	—
Phosphorus (total)	5	1449	03/06/01	F	1	1	39.12	—	—	—	—	—
Potassium	5	1449	03/06/01	F	1	1	3200	—	—	—	—	—
Potassium	5	1449	03/06/01	NF	1	1	3300	—	—	—	—	—
Selenium	5	1449	03/06/01	F	1	0	—	[2.5]	50	0/1	50	0/1
Selenium	5	1449	03/06/01	NF	1	0	—	[2.5]	—	—	—	—

Table 39 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	5	1449	03/06/01	F	1	1	49220	—	—	—	—	—
SiO_2	5	1449	03/06/01	NF	1	1	47080	—	—	—	—	—
Silver	5	1449	03/06/01	F	1	1	0.7	—	100	0/1	50	0/1
Silver	5	1449	03/06/01	NF	1	1	0.53	—	—	—	—	—
Sodium	5	1449	03/06/01	F	1	1	11000	—	—	—	—	—
Sodium	5	1449	03/06/01	NF	1	1	12000	—	—	—	—	—
Strontium	5	1449	03/06/01	F	1	1	260	—	—	—	—	—
Strontium	5	1449	03/06/01	NF	1	1	260	—	—	—	—	—
Sulfate	5	1449	03/06/01	F	1	0	—	[1000]	250000	0/1	600000	0/1
Thallium	5	1449	03/06/01	F	1	1	0.379	—	2	0/1	—	—
Thallium	5	1449	03/06/01	NF	1	1	0.292	—	—	—	—	—
Total Kjeldahl Nitrogen	5	1449	03/06/01	F	1	1	1900	—	—	—	—	—
Uranium	5	1449	03/06/01	F	1	0	—	[0.179]	20	0/1	5000	0/1
Uranium	5	1449	03/06/01	NF	1	0	—	[0.21]	—	—	—	—
Vanadium	5	1449	03/06/01	F	1	0	—	[0.38]	—	—	—	—
Vanadium	5	1449	03/06/01	NF	1	0	—	[0.38]	—	—	—	—
Zinc	5	1449	03/06/01	F	1	1	2.8	—	5000	0/1	10000	0/1
Zinc	5	1449	03/06/01	NF	1	1	8.9	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	5	1449	03/06/01	NF	1	1	-76	—	—	—	—	—
δ O18/O16	5	1449	03/06/01	NF	1	1	-11.2	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 40
Regional Well R-22 Screen 1 First Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Acetone	1	906	03/13/01	NF[e]	1	1	13	—[f]	—	—	—	—
Benzoic Acid	1	906	03/13/01	NF	1	1	3	—	—	—	—	—
Dissolved Organic Carbon	1	906	03/13/01	F[g]	1	1	8100	—	—	—	—	—
Humic Substances, Hydrophilic Acids	1	906	03/13/01	F	1	1	4200	—	—	—	—	—
Humic Substances, Hydrophilic Bases	1	906	03/13/01	F	1	1	400	—	—	—	—	—
Humic Substances; Hydrophilic Neutrals	1	906	03/13/01	F	1	1	400	—	—	—	—	—
Humic Substances, Hydrophilic Total	1	906	03/13/01	F	1	1	4900	—	—	—	—	—
Humic Substances, Hydrophobic Acids	1	906	03/13/01	F	1	1	1400	—	—	—	—	—
Humic Substances, Hydrophobic Bases	1	906	03/13/01	F	1	1	100	—	—	—	—	—
Humic Substances, Hydrophobic Neutrals	1	906	03/13/01	F	1	1	1600	—	—	—	—	—
Humic Substances, Hydrophobic Total	1	906	03/13/01	F	1	1	3200	—	—	—	—	—
Methylphenol[4-]	1	906	03/13/01	NF	1	1	44	—	—	—	—	—
Total Organic Carbon	1	906	03/13/01	NF	1	1	11000	—	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] F = Filtered.

Table 41
Regional Well R-22 Screen 2 First Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects >NMED Groundwater Standard
Total Organic Carbon	2	962	03/12/01	F[e]	1	1	290	—[f]	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] F = Filtered.
[f] — = Not available or applicable.

Table 42
Regional Well R-22 Screen 3 First Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
BHC[gamma-]	3	1273	03/09/01	NF[e]	1	1	0.013	—[f]	0.2	0/1	—	—
Bis(2-ethylhexyl)phthalate	3	1273	03/09/01	NF	1	1	3.9	—	6	0/1	—	—
Chloroform	3	1273	03/09/01	NF	1	1	0.94	—	100	0/1	100	0/1
Dissolved Organic Carbon	3	1273	03/09/01	F[g]	1	1	6300	—	—	—	—	—
Humic Substances, Hydrophilic Acids	3	1273	03/09/01	F	1	1	1700	—	—	—	—	—
Humic Substances, Hydrophilic Bases	3	1273	03/09/01	F	1	1	300	—	—	—	—	—
Humic Substances, Hydrophilic Neutrals	3	1273	03/09/01	F	1	1	100	—	—	—	—	—
Humic Substances, Hydrophilic Total	3	1273	03/09/01	F	1	1	2100	—	—	—	—	—
Humic Substances, Hydrophobic Acids	3	1273	03/09/01	F	1	1	1300	—	—	—	—	—
Humic Substances, Hydrophobic Bases	3	1273	03/09/01	F	1	1	0	—	—	—	—	—
Humic Substances, Hydrophobic Neutrals	3	1273	03/09/01	F	1	1	2900	—	—	—	—	—
Humic Substances, Hydrophobic Total	3	1273	03/09/01	F	1	1	4200	—	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] F = Filtered.

Table 43
Regional Well R-22 Screen 4 First Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Acetone	4	1379	03/08/01	NF[e]	1	1	32	—[f]	—	—	—	—
Benzoic Acid	4	1379	03/08/01	NF	1	1	9.7	—	—	—	—	—
Butanone[2-]	4	1379	03/08/01	NF	1	1	6.9	—	—	—	—	—
Dissolved Organic Carbon	4	1379	03/08/01	F[g]	1	1	8400	—	—	—	—	—
Humic Substances, Hydrophilic Acids	4	1379	03/08/01	F	1	1	1400	—	—	—	—	—
Humic Substances, Hydrophilic Bases	4	1379	03/08/01	F	1	1	500	—	—	—	—	—
Humic Substances, Hydrophilic Neutrals	4	1379	03/08/01	F	1	1	600	—	—	—	—	—
Humic Substances, Hydrophilic Total	4	1379	03/08/01	F	1	1	2500	—	—	—	—	—
Humic Substances, Hydrophobic Acids	4	1379	03/08/01	F	1	1	4300	—	—	—	—	—
Humic Substances, Hydrophobic Bases	4	1379	03/08/01	F	1	1	0	—	—	—	—	—
Humic Substances, Hydrophobic Neutrals	4	1379	03/08/01	F	1	1	1500	—	—	—	—	—
Humic Substances, Hydrophobic Total	4	1379	03/08/01	F	1	1	5800	—	—	—	—	—
Methylphenol[4-]	4	1379	03/08/01	NF	1	1	210	—	—	—	—	—
Phenol	4	1379	03/08/01	NF	1	1	32	—	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] F = Filtered.

Table 44
Regional Well R-22 Screen 5 First Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Acetone	5	1449	03/06/01	NF[e]	1	1	15	—[f]	—	—	—	—
Benzoic Acid	5	1449	03/06/01	NF	1	1	11	—	—	—	—	—
Butanone[2-]	5	1449	03/06/01	NF	1	1	8.9	—	—	—	—	—
Dissolved Organic Carbon	5	1449	03/06/01	F[g]	1	1	5500	—	—	—	—	—
Humic Substances, Hydrophilic Acids	5	1449	03/06/01	F	1	1	2200	—	—	—	—	—
Humic Substances, Hydrophilic Bases	5	1449	03/06/01	F	1	1	300	—	—	—	—	—
Humic Substances, Hydrophilic Neutrals	5	1449	03/06/01	F	1	1	200	—	—	—	—	—
Humic Substances, Hydrophilic Total	5	1449	03/06/01	F	1	1	2600	—	—	—	—	—
Humic Substances, Hydrophobic Acids	5	1449	03/06/01	F	1	1	1200	—	—	—	—	—
Humic Substances, Hydrophobic Bases	5	1449	03/06/01	F	1	1	0	—	—	—	—	—
Humic Substances, Hydrophobic Neutrals	5	1449	03/06/01	F	1	1	1700	—	—	—	—	—
Humic Substances, Hydrophobic Total	5	1449	03/06/01	F	1	1	2900	—	—	—	—	—
Methylphenol[4-]	5	1449	03/06/01	NF	1	1	60	—	—	—	—	—
Phenol	5	1449	03/06/01	NF	1	1	19	—	—	—	—	—
Toluene	5	1449	03/06/01	NF	1	1	0.63	—	1000	0/1	750	0/1
Total Organic Carbon	5	1449	03/06/01	NF	1	1	13000	—	—	—	—	—

Note: High explosives results are in focused validation at this time.

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] F = Filtered.

Table 45
Regional Well R-22 Screen 1 First Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	1	906	03/13/01	F[c]	1	0	—[d]	[-0.005]	15[e]	0/1
Cesium-134	1	906	03/13/01	F	1	0	—	[-0.7]	—	—
Cesium-137	1	906	03/13/01	F	1	0	—	[0.1]	—	—
Cobalt-60	1	906	03/13/01	F	1	0	—	[0.5]	—	—
Europium-152	1	906	03/13/01	F	1	0	—	[9]	—	—
Gross Alpha Radiation	1	906	03/13/01	NF[f]	1	0	—	[0.98]	—	—
Gross Beta Radiation	1	906	03/13/01	NF	1	1	3.29	—	—	—
Gross Gamma Radiation	1	906	03/13/01	NF	1	1	251	—	—	—
Iodine-129	1	906	03/13/01	NF	1	0	—	[-3.98]	—	—
Plutonium-238	1	906	03/13/01	F	1	0	—	[-0.002]	15[e]	0/1
Plutonium-239	1	906	03/13/01	F	1	0	—	[0.021]	15[e]	0/1
Ruthenium-106	1	906	03/13/01	F	1	0	—	[-9]	—	—
Sodium-22	1	906	03/13/01	F	1	0	—	[-0.4]	—	—
Strontium-90	1	906	03/13/01	F	1	0	—	[0.5]	8	0/1
Technetium-99	1	906	03/13/01	NF	1	0	—	[2.3]	—	—
Tritium	1	906	03/13/01	NF	1	1	2.012	—	20000	0/1
Uranium-234	1	906	03/13/01	F	1	0	—	[0.077]	—	—
Uranium-235	1	906	03/13/01	F	1	0	—	[-0.001]	—	—
Uranium-238	1	906	03/13/01	F	1	0	—	[0.046]	—	—

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 46
Regional Well R-22 Screen 2 First Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	2	962	03/12/01	F[c]	1	0	—[d]	[0.012]	15[e]	0/1
Americium-241	2	962	03/12/01	NF[f]	1	0	—	[0.02]	—	—
Cesium-134	2	962	03/12/01	F	1	0	—	[0.3]	—	—
Cesium-134	2	962	03/12/01	NF	1	0	—	[0.7]	—	—
Cesium-137	2	962	03/12/01	F	1	0	—	[1.3]	—	—
Cesium-137	2	962	03/12/01	NF	1	0	—	[-0.7]	—	—
Cobalt-60	2	962	03/12/01	F	1	0	—	[0.4]	—	—
Cobalt-60	2	962	03/12/01	NF	1	0	—	[-0.4]	—	—
Europium-152	2	962	03/12/01	F	1	0	—	[-0.2]	—	—
Europium-152	2	962	03/12/01	NF	1	0	—	[-1.2]	—	—
Iodine-129	2	962	03/13/01	NF	1	0	—	[-2.52]	—	—
Plutonium-238	2	962	03/12/01	F	1	0	—	[-0.001]	15[e]	0/1
Plutonium-238	2	962	03/12/01	NF	1	0	—	[-0.01]	—	—
Plutonium-239	2	962	03/12/01	F	1	0	—	[0.006]	15[e]	0/1
Plutonium-239	2	962	03/12/01	NF	1	0	—	[0.003]	—	—
Ruthenium-106	2	962	03/12/01	F	1	0	—	[5]	—	—
Ruthenium-106	2	962	03/12/01	NF	1	0	—	[-31]	—	—
Sodium-22	2	962	03/12/01	F	1	0	—	[-0.1]	—	—
Sodium-22	2	962	03/12/01	NF	1	0	—	[1.1]	—	—
Strontium-90	2	962	03/12/01	F	1	0	—	[0.7]	8	0/1
Strontium-90	2	962	03/12/01	NF	1	0	—	[-0.5]	—	—
Technetium-99	2	962	03/12/01	NF	1	0	—	[3.7]	—	—
Tritium	2	962	03/12/01	NF	1	1	76.632	—	20000	0/1
Uranium-234	2	962	03/12/01	F	1	1	0.29	—	—	—
Uranium-234	2	962	03/12/01	NF	1	1	0.312	—	—	—
Uranium-235	2	962	03/12/01	F	1	0	—	[0.016]	—	—
Uranium-235	2	962	03/12/01	NF	1	0	—	[0.001]	—	—
Uranium-238	2	962	03/12/01	F	1	1	0.174	—	—	—
Uranium-238	2	962	03/12/01	NF	1	1	0.158	—	—	—

Table 46 (continued)

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 47
Regional Well R-22 Screen 3 First Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	3	1273	03/09/01	F[c]	1	0	—[d]	[0.006]	15[e]	0/1
Americium-241	3	1273	03/09/01	NF[f]	1	0	—	[0.015]	—	—
Cesium-134	3	1273	03/09/01	F	1	0	—	[-0.1]	—	—
Cesium-134	3	1273	03/09/01	NF	1	0	—	[1.8]	—	—
Cesium-137	3	1273	03/09/01	F	1	0	—	[-1.7]	—	—
Cesium-137	3	1273	03/09/01	NF	1	0	—	[-0.4]	—	—
Cobalt-60	3	1273	03/09/01	F	1	0	—	[-0.1]	—	—
Cobalt-60	3	1273	03/09/01	NF	1	0	—	[-0.7]	—	—
Europium-152	3	1273	03/09/01	F	1	0	—	[0.7]	—	—
Europium-152	3	1273	03/09/01	NF	1	0	—	[1]	—	—
Plutonium-238	3	1273	03/09/01	F	1	0	—	[-0.005]	15[e]	0/1
Plutonium-238	3	1273	03/09/01	NF	1	0	—	[0.011]	—	—
Plutonium-239	3	1273	03/09/01	F	1	0	—	[0]	15[e]	0/1
Plutonium-239	3	1273	03/09/01	NF	1	0	—	[0.008]	—	—
Ruthenium-106	3	1273	03/09/01	F	1	0	—	[0]	—	—
Ruthenium-106	3	1273	03/09/01	NF	1	0	—	[-2]	—	—
Sodium-22	3	1273	03/09/01	F	1	0	—	[1]	—	—
Sodium-22	3	1273	03/09/01	NF	1	0	—	[-0.2]	—	—
Strontium-90	3	1273	03/09/01	F	1	0	—	[0.9]	8	0/1
Strontium-90	3	1273	03/09/01	NF	1	0	—	[0.2]	—	—
Technetium-99	3	1273	03/09/01	NF	1	1	4.9	—	—	—
Tritium	3	1273	03/09/01	NF	1	0	-	[0.096]	20000	0/1
Uranium-234	3	1273	03/09/01	F	1	1	7.6	—	—	—
Uranium-234	3	1273	03/09/01	NF	1	1	7.8	—	—	—
Uranium-235	3	1273	03/09/01	F	1	1	0.267	—	—	—
Uranium-235	3	1273	03/09/01	NF	1	1	0.287	—	—	—
Uranium-238	3	1273	03/09/01	F	1	1	4.92	—	—	—
Uranium-238	3	1273	03/09/01	NF	1	1	5.31	—	—	—

Table 47 (continued)

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 48
Regional Well R-22 Screen 4 First Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	4	1379	03/08/01	F[c]	1	0	—[d]	[-0.001]	15[e]	0/1
Cesium-134	4	1379	03/08/01	F	1	0	—	[0]	—	—
Cesium-137	4	1379	03/08/01	F	1	0	—	[0.7]	—	—
Cobalt-60	4	1379	03/08/01	F	1	0	—	[2.6]	—	—
Europium-152	4	1379	03/08/01	F	1	0	—	[2.2]	—	—
Iodine-129	4	1379	03/13/01	NF[f]	1	0	—	[-2.27]	—	—
Plutonium-238	4	1379	03/08/01	F	1	0	—	[-0.002]	15[e]	0/1
Plutonium-239	4	1379	03/08/01	F	1	0	—	[0.008]	15[e]	0/1
Ruthenium-106	4	1379	03/08/01	F	1	0	—	[15]	—	—
Sodium-22	4	1379	03/08/01	F	1	0	—	[0.4]	—	—
Strontium-90	4	1379	03/08/01	F	1	0	—	[0.8]	8	0/1
Technetium-99	4	1379	03/08/01	NF	1	0	—	[2.4]	—	—
Tritium	4	1379	03/08/01	NF	1	0	—	[0.447]	20000	0/1
Uranium-234	4	1379	03/08/01	F	1	1	0.108	—	—	—
Uranium-235	4	1379	03/08/01	F	1	0	—	[0.013]	—	—
Uranium-238	4	1379	03/08/01	F	1	0	—	[0.065]	—	—

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 49
Regional Well R-22 Screen 5 First Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Americium-241	5	1449	03/06/01	F[c]	1	0	—[d]	[0.011]	15[e]	0/1
Americium-241	5	1449	03/06/01	NF[f]	1	0	—	[0.012]	—	—
Cesium-134	5	1449	03/06/01	F	1	0	—	[0.3]	—	—
Cesium-134	5	1449	03/06/01	NF	1	0	—	[-0.3]	—	—
Cesium-137	5	1449	03/06/01	F	1	0	—	[-0.7]	—	—
Cesium-137	5	1449	03/06/01	NF	1	0	—	[0]	—	—
Cobalt-60	5	1449	03/06/01	F	1	0	—	[-0.3]	—	—
Cobalt-60	5	1449	03/06/01	NF	1	0	—	[0.1]	—	—
Europium-152	5	1449	03/06/01	F	1	0	—	[1.2]	—	—
Europium-152	5	1449	03/06/01	NF	1	0	—	[-0.9]	—	—
Iodine-129	5	1449	03/13/01	NF	1	0	—	[-5.43]	—	—
Plutonium-238	5	1449	03/06/01	F	1	0	—	[0.003]	15[e]	0/1
Plutonium-238	5	1449	03/06/01	NF	1	0	—	[0.002]	—	—
Plutonium-239	5	1449	03/06/01	F	1	0	—	[0.01]	15[e]	0/1
Plutonium-239	5	1449	03/06/01	NF	1	0	—	[0.011]	—	—
Ruthenium-106	5	1449	03/06/01	F	1	0	—	[8]	—	—
Ruthenium-106	5	1449	03/06/01	NF	1	0	—	[0]	—	—
Sodium-22	5	1449	03/06/01	F	1	0	—	[2]	—	—
Sodium-22	5	1449	03/06/01	NF	1	0	—	[-0.8]	—	—
Strontium-90	5	1449	03/06/01	F	1	0	—	[0.3]	8	0/1
Strontium-90	5	1449	03/06/01	NF	1	0	—	[-0.8]	—	—
Technetium-99	5	1449	03/06/01	NF	1	1	4.3	—	—	—
Tritium	5	1449	03/06/01	NF	1	1	3.544	—	20000	0/1
Uranium-234	5	1449	03/06/01	F	1	0	—	[0.069]	—	—
Uranium-234	5	1449	03/06/01	NF	1	1	0.115	—	—	—
Uranium-235	5	1449	03/06/01	F	1	0	—	[0.01]	—	—
Uranium-235	5	1449	03/06/01	NF	1	0	—	[-0.005]	—	—
Uranium-238	5	1449	03/06/01	F	1	0	—	[0.062]	—	—
Uranium-238	5	1449	03/06/01	NF	1	0	—	[0.045]	—	—

Table 49 (continued)

[a] The static water level for the regional aquifer at R-22, when the well was drilled, was 888 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] F = Filtered.
[d] — = Not available or applicable.
[e] Based on an MCL of 15 pCi/L for gross alpha particle activity (including radium, but excluding radon and uranium).
[f] NF = Nonfiltered.

Table 50
Regional Well R-25 Screen 1 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	1	755	05/03/01	NF[e]	1	1	78000	—[f]	—	—	—	—
pH	1	755	05/03/01	NF	1	1	6.98	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	1	755	05/03/01	NF	1	1	233	—	—	0/1	—	0/1
Temperature (°C)	1	755	05/03/01	NF	1	1	11.9	—	—	0/1	—	0/1
Turbidity (NTU)[g]	1	755	05/03/01	NF	1	1	4.1	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	1	755	05/03/01	F[h]	1	1	87000	—	—	—	—	—
Aluminum	1	755	05/03/01	F	1	0	—	[7.6]	50	0/1	5000	0/1
Aluminum	1	755	05/03/01	NF	1	0	—	[7.6]	—	—	—	—
Ammonia (as N)	1	755	05/03/01	F	1	0	—	[500]	—	—	—	—
Antimony	1	755	05/03/01	F	1	1	0.363	—	6	0/1	—	—
Antimony	1	755	05/03/01	NF	1	1	0.491	—	—	—	—	—
Arsenic	1	755	05/03/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	1	755	05/03/01	NF	1	1	1.6	—	—	—	—	—
Barium	1	755	05/03/01	F	1	1	7.2	—	2000	0/1	1000	0/1
Barium	1	755	05/03/01	NF	1	1	8.7	—	—	—	—	—
Beryllium	1	755	05/03/01	F	1	1	0.025	—	4	0/1	—	—
Beryllium	1	755	05/03/01	NF	1	1	0.057	—	—	—	—	—
Boron	1	755	05/03/01	F	1	1	270	—	—	—	750	0/1
Boron	1	755	05/03/01	NF	1	1	290	—	—	—	—	—
Bromide	1	755	05/03/01	F	1	0	—	[200]	—	—	—	—
Cadmium	1	755	05/03/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	1	755	05/03/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	1	755	05/03/01	F	1	1	26000	—	—	—	—	—
Calcium	1	755	05/03/01	NF	1	1	28000	—	—	—	—	—

Table 50 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	1	755	05/03/01	F	1	1	12000	—	250000	0/1	250000	0/1
Chromium (total)	1	755	05/03/01	F	1	1	0.82	—	100	0/1	50	0/1
Chromium (total)	1	755	05/03/01	NF	1	1	19	—	—	—	—	—
Cobalt	1	755	05/03/01	F	1	1	1.7	—	—	—	50	0/1
Cobalt	1	755	05/03/01	NF	1	1	2.6	—	—	—	—	—
Copper	1	755	05/03/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	1	755	05/03/01	NF	1	1	0.41	—	—	—	—	—
Cyanide (total)	1	755	05/03/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	1	755	05/03/01	F	1	1	220	—	4000	0/1	1600	0/1
Iron	1	755	05/03/01	F	1	0	—	[47]	300	0/1	1000	0/1
Iron	1	755	05/03/01	NF	1	1	890	—	—	—	—	—
Lead	1	755	05/03/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	1	755	05/03/01	NF	1	0	—	[0.037]	—	—	—	—
Magnesium	1	755	05/03/01	F	1	1	5600	—	—	—	—	—
Magnesium	1	755	05/03/01	NF	1	1	5400	—	—	—	—	—
Manganese	1	755	05/03/01	F	1	1	43	—	50	0/1	200	0/1
Manganese	1	755	05/03/01	NF	1	1	54	—	—	—	—	—
Mercury	1	755	05/03/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	1	755	05/03/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	1	755	05/03/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	1	755	05/03/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	1	755	05/03/01	F	1	1	170	—	100	1/1	200	0/1
Nickel	1	755	05/03/01	NF	1	1	220	—	—	—	—	—
Nitrate + Nitrite (as N)	1	755	05/03/01	F	1	1	990	—	10000	0/1	—	—
Perchlorate	1	755	05/03/01	F	1	0	—	[2.37]	—	—	—	—
Phosphorus (total)	1	755	05/03/01	F	1	1	130	—	—	—	—	—
Potassium	1	755	05/03/01	F	1	1	1400	—	—	—	—	—
Potassium	1	755	05/03/01	NF	1	1	1400	—	—	—	—	—
Selenium	1	755	05/03/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	1	755	05/03/01	NF	1	0	—	[1.9]	—	—	—	—

Table 50 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	1	755	05/03/01	F	1	1	51360	—	—	—	—	—
SiO_2	1	755	05/03/01	NF	1	1	49220	—	—	—	—	—
Silver	1	755	05/03/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	1	755	05/03/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	1	755	05/03/01	F	1	1	9400	—	—	—	—	—
Sodium	1	755	05/03/01	NF	1	1	9500	—	—	—	—	—
Strontium	1	755	05/03/01	F	1	1	130	—	—	—	—	—
Strontium	1	755	05/03/01	NF	1	1	130	—	—	—	—	—
Sulfate	1	755	05/03/01	F	1	1	12000	—	250000	0/1	600000	0/1
Thallium	1	755	05/03/01	F	1	1	0.22	—	2	0/1	—	—
Thallium	1	755	05/03/01	NF	1	1	0.15	—	—	—	—	—
Uranium	1	755	05/03/01	F	1	1	1.43	—	20	0/1	5000	0/1
Uranium	1	755	05/03/01	NF	1	1	1.59	—	—	—	—	—
Vanadium	1	755	05/03/01	F	1	1	5.2	—	—	—	—	—
Vanadium	1	755	05/03/01	NF	1	1	7.4	—	—	—	—	—
Zinc	1	755	05/03/01	F	1	1	4.9	—	5000	0/1	10000	0/1
Zinc	1	755	05/03/01	NF	1	1	3.3	—	—	—	—	—
Chloride	1	755	05/03/01	F	1	1	12000	—	250000	0/1	250000	0/1
Stable Isotope (‰)												
δ D/H	1	755	05/03/01	NF	1	1	-82	—	—	—	—	—
δ O18/O16	1	755	05/03/01	NF	1	1	-11.8	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 51
Regional Well R-25 Screen 2 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	2	892	05/04/01	NF[e]	1	1	130000	—[f]	—	—	—	—
pH	2	892	05/04/01	NF	1	1	9.09	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	2	892	05/04/01	NF	1	1	458	—	—	0/1	—	0/1
Temperature (°C)	2	892	05/04/01	NF	1	1	9.4	—	—	0/1	—	0/1
Turbidity (NTU)[g]	2	892	05/04/01	NF	1	1	13.0	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	2	892	05/04/01	F[h]	1	1	190000	—	—	—	—	—
Aluminum	2	892	05/04/01	F	1	1	630	—	50	1/1	5000	0/1
Aluminum	2	892	05/04/01	NF	1	1	1400	—	—	—	—	—
Ammonia (as N)	2	892	05/04/01	F	1	0	—	[500]	—	—	—	—
Antimony	2	892	05/04/01	F	1	1	0.632	—	6	0/1	—	—
Antimony	2	892	05/04/01	NF	1	1	0.4	—	—	—	—	—
Arsenic	2	892	05/04/01	F	1	1	2.5	—	50	0/1	100	0/1
Arsenic	2	892	05/04/01	NF	1	1	2.2	—	—	—	—	—
Barium	2	892	05/04/01	F	1	0	—	[3]	2000	0/1	1000	0/1
Barium	2	892	05/04/01	NF	1	1	4.6	—	—	—	—	—
Beryllium	2	892	05/04/01	F	1	1	0.068	—	4	0/1	—	—
Beryllium	2	892	05/04/01	NF	1	1	0.227	—	—	—	—	—
Boron	2	892	05/04/01	F	1	1	640	—	—	—	750	0/1
Boron	2	892	05/04/01	NF	1	1	590	—	—	—	—	—
Bromide	2	892	05/04/01	F	1	0	—	[200]	—	—	—	—
Cadmium	2	892	05/04/01	F	1	1	0.078	—	5	0/1	10	0/1
Cadmium	2	892	05/04/01	NF	1	1	0.075	—	—	—	—	—
Calcium	2	892	05/04/01	F	1	1	6600	—	—	—	—	—
Calcium	2	892	05/04/01	NF	1	1	7100	—	—	—	—	—

Table 51 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	2	892	05/04/01	F	1	1	11000	—	250000	0/1	250000	0/1
Chromium (total)	2	892	05/04/01	F	1	1	1.5	—	100	0/1	50	0/1
Chromium (total)	2	892	05/04/01	NF	1	1	6.7	—	—	—	—	—
Cobalt	2	892	05/04/01	F	1	0	—	[0.37]	—	—	50	0/1
Cobalt	2	892	05/04/01	NF	1	1	0.79	—	—	—	—	—
Copper	2	892	05/04/01	F	1	1	11	—	1300	0/1	1000	0/1
Copper	2	892	05/04/01	NF	1	1	16	—	—	—	—	—
Cyanide (total)	2	892	05/04/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	2	892	05/04/01	F	1	1	190	—	4000	0/1	1600	0/1
Iron	2	892	05/04/01	F	1	1	310	—	300	1/1	1000	0/1
Iron	2	892	05/04/01	NF	1	1	730	—	—	—	—	—
Lead	2	892	05/04/01	F	1	1	1.82	—	15	0/1	50	0/1
Lead	2	892	05/04/01	NF	1	1	3.41	—	—	—	—	—
Magnesium	2	892	05/04/01	F	1	1	1200	—	—	—	—	—
Magnesium	2	892	05/04/01	NF	1	1	1600	—	—	—	—	—
Manganese	2	892	05/04/01	F	1	1	9.1	—	50	0/1	200	0/1
Manganese	2	892	05/04/01	NF	1	1	28	—	—	—	—	—
Mercury	2	892	05/04/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	2	892	05/04/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	2	892	05/04/01	F	1	1	13	—	—	—	—	—
Molybdenum	2	892	05/04/01	NF	1	1	19	—	—	—	—	—
Nickel	2	892	05/04/01	F	1	1	4.5	—	100	0/1	200	0/1
Nickel	2	892	05/04/01	NF	1	1	5.9	—	—	—	—	—
Nitrate + Nitrite (as N)	2	892	05/04/01	F	1	0	—	[100]	10000	0/1	—	—
Oxalate	2	892	05/04/01	F	1	0	—	[190]	—	—	—	—
Perchlorate	2	892	05/04/01	F	1	0	—	[1.85]	—	—	—	—
Phosphorus (total)	2	892	05/04/01	F	1	1	19000	—	—	—	—	—
Potassium	2	892	05/04/01	F	1	1	3500	—	—	—	—	—
Potassium	2	892	05/04/01	NF	1	1	3600	—	—	—	—	—

Table 51 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Selenium	2	892	05/04/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	2	892	05/04/01	NF	1	0	—	[1.9]	—	—	—	—
SiO_2	2	892	05/04/01	F	1	1	36380	—	—	—	—	—
SiO_2	2	892	05/04/01	NF	1	1	40660	—	—	—	—	—
Silver	2	892	05/04/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	2	892	05/04/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	2	892	05/04/01	F	1	1	77000	—	—	—	—	—
Sodium	2	892	05/04/01	NF	1	1	79000	—	—	—	—	—
Strontium	2	892	05/04/01	F	1	1	29	—	—	—	—	—
Strontium	2	892	05/04/01	NF	1	1	36	—	—	—	—	—
Sulfate	2	892	05/04/01	F	1	1	15000	—	250000	0/1	600000	0/1
Thallium	2	892	05/04/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	2	892	05/04/01	NF	1	0	—	[0.077]	—	—	—	—
Uranium	2	892	05/04/01	F	1	1	1.05	—	20	0/1	5000	0/1
Uranium	2	892	05/04/01	NF	1	1	1.54	—	—	—	—	—
Vanadium	2	892	05/04/01	F	1	1	2.4	—	—	—	—	—
Vanadium	2	892	05/04/01	NF	1	1	5	—	—	—	—	—
Zinc	2	892	05/04/01	F	1	1	8.9	—	5000	0/1	10000	0/1
Zinc	2	892	05/04/01	NF	1	1	8.8	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	2	892	05/04/01	NF	1	1	-83	—	—	—	—	—
δ O18/O16	2	892	05/04/01	NF	1	1	-11.8	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 52
Regional Well R-25 Screen 4 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	4	1192	05/07/01	NF[e]	1	1	78000	—[f]	—	—	—	—
pH	4	1192	05/07/01	NF	1	1	7.31	—	>6 & <9	0/1	>6 &<9	0/1
Specific Conductance (µS/cm)	4	1192	05/07/01	NF	1	1	457	—	—	0/1	—	0/1
Temperature (°C)	4	1192	05/07/01	NF	1	1	17.3	—	—	0/1	—	0/1
Turbidity (NTU)[g]	4	1192	05/07/01	NF	1	1	31.7	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	4	1192	05/07/01	F[h]	1	1	67000	—	—	—	—	—
Aluminum	4	1192	05/07/01	F	1	0	—	[7.6]	50	0/1	5000	0/1
Aluminum	4	1192	05/07/01	NF	1	1	32	—	—	—	—	—
Ammonia (as N)	4	1192	05/07/01	F	1	0	—	[500]	—	—	—	—
Antimony	4	1192	05/07/01	F	1	1	0.182	—	6	0/1	—	—
Antimony	4	1192	05/07/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	4	1192	05/07/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	4	1192	05/07/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	4	1192	05/07/01	F	1	1	18	—	2000	0/1	1000	0/1
Barium	4	1192	05/07/01	NF	1	1	29	—	—	—	—	—
Beryllium	4	1192	05/07/01	F	1	1	10.1	—	4	1/1	—	—
Beryllium	4	1192	05/07/01	NF	1	1	0.074	—	—	—	—	—
Boron	4	1192	05/07/01	F	1	1	25	—	—	—	750	0/1
Boron	4	1192	05/07/01	NF	1	1	25	—	—	—	—	—
Bromide	4	1192	05/07/01	F	1	0	—	[200]	—	—	—	—
Cadmium	4	1192	05/07/01	F	1	1	1.28	—	5	0/1	10	0/1
Cadmium	4	1192	05/07/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	4	1192	05/07/01	F	1	1	73000	—	—	—	—	—
Calcium	4	1192	05/07/01	NF	1	1	140000	—	—	—	—	—
Chloride	4	1192	05/07/01	F	1	1	5400	—	250000	0/1	250000	0/1

Table 52 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chromium (total)	4	1192	05/07/01	F	1	1	0.24	—	100	0/1	50	0/1
Chromium (total)	4	1192	05/07/01	NF	1	1	5.2	—	—	—	—	—
Cobalt	4	1192	05/07/01	F	1	0	—	[0.37]	—	—	50	0/1
Cobalt	4	1192	05/07/01	NF	1	1	0.52	—	—	—	—	—
Copper	4	1192	05/07/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	4	1192	05/07/01	NF	1	1	1.3	—	—	—	—	—
Cyanide (total)	4	1192	05/07/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	4	1192	05/07/01	F	1	1	120	—	4000	0/1	1600	0/1
Iron	4	1192	05/07/01	F	1	0	—	[34]	300	0/1	1000	0/1
Iron	4	1192	05/07/01	NF	1	0	—	[180]	—	—	—	—
Lead	4	1192	05/07/01	F	1	1	0.504	—	15	0/1	50	0/1
Lead	4	1192	05/07/01	NF	1	1	1.25	—	—	—	—	—
Magnesium	4	1192	05/07/01	F	1	1	4300	—	—	—	—	—
Magnesium	4	1192	05/07/01	NF	1	1	5000	—	—	—	—	—
Manganese	4	1192	05/07/01	F	1	1	25	—	50	0/1	200	0/1
Manganese	4	1192	05/07/01	NF	1	1	73	—	—	—	—	—
Mercury	4	1192	05/07/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	4	1192	05/07/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	4	1192	05/07/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	4	1192	05/07/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	4	1192	05/07/01	F	1	0	—	[0.3]	100	0/1	200	0/1
Nickel	4	1192	05/07/01	NF	1	0	—	[0.3]	—	—	—	—
Nitrate + Nitrite (as N)	4	1192	05/07/01	F	1	1	730	—	10000	0/1	—	—
Perchlorate	4	1192	05/07/01	F	1	0	—	[3.4]	—	—	—	—
Phosphorus (total)	4	1192	05/07/01	F	1	1	140	—	—	—	—	—
Potassium	4	1192	05/07/01	F	1	1	790	—	—	—	—	—
Potassium	4	1192	05/07/01	NF	1	1	960	—	—	—	—	—
Selenium	4	1192	05/07/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	4	1192	05/07/01	NF	1	0	—	[1.9]	—	—	—	—
SiO_2	4	1192	05/07/01	F	1	1	55640	—	—	—	—	—
SiO_2	4	1192	05/07/01	NF	1	1	55640	—	—	—	—	—

Table 52 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Silver	4	1192	05/07/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	4	1192	05/07/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	4	1192	05/07/01	F	1	1	8300	—	—	—	—	—
Sodium	4	1192	05/07/01	NF	1	1	9100	—	—	—	—	—
Strontium	4	1192	05/07/01	F	1	1	320	—	—	—	—	—
Strontium	4	1192	05/07/01	NF	1	1	590	—	—	—	—	—
Sulfate	4	1192	05/07/01	F	1	1	130000	—	250000	0/1	600000	0/1
Thallium	4	1192	05/07/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	4	1192	05/07/01	NF	1	0	—	[0.077]	—	—	—	—
Uranium	4	1192	05/07/01	F	1	1	14.5	—	20	0/1	5000	0/1
Uranium	4	1192	05/07/01	NF	1	1	0.894	—	—	—	—	—
Vanadium	4	1192	05/07/01	F	1	1	0.56	—	—	—	—	—
Vanadium	4	1192	05/07/01	NF	1	1	0.56	—	—	—	—	—
Zinc	4	1192	05/07/01	F	1	1	3.7	—	5000	0/1	10000	0/1
Zinc	4	1192	05/07/01	NF	1	1	14	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	4	1192	05/07/01	NF	1	1	-84	—	—	—	—	—
δ O18/O16	4	1192	05/07/01	NF	1	1	-12	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 53
Regional Well R-25 Screen 5 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	5	1303	05/08/01	NF[e]	1	1	90000	—[f]	—	—	—	—
pH	5	1303	05/08/01	NF	1	1	7.54	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	5	1303	05/08/01	NF	1	1	213	—	—	0/1	—	0/1
Temperature (°C)	5	1303	05/08/01	NF	1	1	15.4	—	—	0/1	—	0/1
Turbidity (NTU)[g]	5	1303	05/08/01	NF	1	1	3.2	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	5	1303	05/08/01	F[h]	1	1	98000	—	—	—	—	—
Aluminum	5	1303	05/08/01	F	1	0	—	[7.6]	50	0/1	5000	0/1
Aluminum	5	1303	05/08/01	NF	1	0	—	[7.6]	—	—	—	—
Ammonia (as N)	5	1303	05/08/01	F	1	0	—	[500]	—	—	—	—
Antimony	5	1303	05/08/01	F	1	0	—	[0.153]	6	0/1	—	—
Antimony	5	1303	05/08/01	NF	1	0	—	[0.153]	—	—	—	—
Arsenic	5	1303	05/08/01	F	1	1	2	—	50	0/1	100	0/1
Arsenic	5	1303	05/08/01	NF	1	1	1.9	—	—	—	—	—
Barium	5	1303	05/08/01	F	1	1	15	—	2000	0/1	1000	0/1
Barium	5	1303	05/08/01	NF	1	1	12	—	—	—	—	—
Beryllium	5	1303	05/08/01	F	1	1	0.02	—	4	0/1	—	—
Beryllium	5	1303	05/08/01	NF	1	1	0.016	—	—	—	—	—
Boron	5	1303	05/08/01	F	1	1	110	—	—	—	750	0/1
Boron	5	1303	05/08/01	NF	1	1	120	—	—	—	—	—
Bromide	5	1303	05/08/01	F	1	0	—	[200]	—	—	—	—
Cadmium	5	1303	05/08/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	5	1303	05/08/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	5	1303	05/08/01	F	1	1	20000	—	—	—	—	—
Calcium	5	1303	05/08/01	NF	1	1	20000	—	—	—	—	—

Table 53 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	5	1303	05/08/01	F	1	1	3200	—	250000	0/1	250000	0/1
Chromium (total)	5	1303	05/08/01	F	1	1	0.77	—	100	0/1	50	0/1
Chromium (total)	5	1303	05/08/01	NF	1	1	6.6	—	—	—	—	—
Cobalt	5	1303	05/08/01	F	1	1	0.67	—	—	—	50	0/1
Cobalt	5	1303	05/08/01	NF	1	0	—	[0.37]	—	—	—	—
Copper	5	1303	05/08/01	F	1	1	0.43	—	1300	0/1	1000	0/1
Copper	5	1303	05/08/01	NF	1	1	0.77	—	—	—	—	—
Cyanide (total)	5	1303	05/08/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	5	1303	05/08/01	F	1	1	130	—	4000	0/1	1600	0/1
Iron	5	1303	05/08/01	F	1	0	—	[47]	300	0/1	1000	0/1
Iron	5	1303	05/08/01	NF	1	0	—	[110]	—	—	—	—
Lead	5	1303	05/08/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	5	1303	05/08/01	NF	1	0	—	[0.037]	—	—	—	—
Magnesium	5	1303	05/08/01	F	1	1	4500	—	—	—	—	—
Magnesium	5	1303	05/08/01	NF	1	1	4500	—	—	—	—	—
Manganese	5	1303	05/08/01	F	1	1	270	—	50	1/1	200	1/1
Manganese	5	1303	05/08/01	NF	1	1	290	—	—	—	—	—
Mercury	5	1303	05/08/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	5	1303	05/08/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	5	1303	05/08/01	F	1	1	7.8	—	—	—	—	—
Molybdenum	5	1303	05/08/01	NF	1	1	10	—	—	—	—	—
Nickel	5	1303	05/08/01	F	1	0	—	[0.3]	100	0/1	200	0/1
Nickel	5	1303	05/08/01	NF	1	0	—	[0.3]	—	—	—	—
Nitrate + Nitrite (as N)	5	1303	05/08/01	F	1	1	140	—	10000	0/1	—	—
Perchlorate	5	1303	05/08/01	F	1	0	—	[1.93]	—	—	—	—
Phosphorus (total)	5	1303	05/08/01	F	1	1	3200	—	—	—	—	—
Potassium	5	1303	05/08/01	F	1	1	1300	—	—	—	—	—
Potassium	5	1303	05/08/01	NF	1	1	1200	—	—	—	—	—
Selenium	5	1303	05/08/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	5	1303	05/08/01	NF	1	0	—	[1.9]	—	—	—	—

Table 53 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	5	1303	05/08/01	F	1	1	55640	—	—	—	—	—
SiO_2	5	1303	05/08/01	NF	1	1	55640	—	—	—	—	—
Silver	5	1303	05/08/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	5	1303	05/08/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	5	1303	05/08/01	F	1	1	16000	—	—	—	—	—
Sodium	5	1303	05/08/01	NF	1	1	16000	—	—	—	—	—
Strontium	5	1303	05/08/01	F	1	1	150	—	—	—	—	—
Strontium	5	1303	05/08/01	NF	1	1	150	—	—	—	—	—
Sulfate	5	1303	05/08/01	F	1	1	8900	—	250000	0/1	600000	0/1
Thallium	5	1303	05/08/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	5	1303	05/08/01	NF	1	1	0.171	—	—	—	—	—
Uranium	5	1303	05/08/01	F	1	1	1.24	—	20	0/1	5000	0/1
Uranium	5	1303	05/08/01	NF	1	1	1.25	—	—	—	—	—
Vanadium	5	1303	05/08/01	F	1	1	1.5	—	—	—	—	—
Vanadium	5	1303	05/08/01	NF	1	1	0.47	—	—	—	—	—
Zinc	5	1303	05/08/01	F	1	1	5.8	—	5000	0/1	10000	0/1
Zinc	5	1303	05/08/01	NF	1	1	9.4	—	—	—	—	—
Stable Isotope (‰)												
δ D/H	5	1303	05/08/01	NF	1	1	-80	—	—	—	—	—
δ O18/O16	5	1303	05/08/01	NF	1	1	-12	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 54
Regional Well R-25 Screen 6 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	6	1406	05/09/01	NF[e]	1	1	79000	—[f]	—	—	—	—
pH	6	1406	05/09/01	NF	1	1	7.20	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	6	1406	05/09/01	NF	1	1	204	—	—	0/1	—	0/1
Temperature (°C)	6	1406	05/09/01	NF	1	1	16.2	—	—	0/1	—	0/1
Turbidity (NTU)[g]	6	1406	05/09/01	NF	1	1	0.3	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	6	1406	05/09/01	F[h]	1	1	88000	—	—	—	—	—
Aluminum	6	1406	05/09/01	F	1	0	—	[7.6]	50	0/1	5000	0/1
Aluminum	6	1406	05/09/01	NF	1	0	—	[7.6]	—	—	—	—
Ammonia (as N)	6	1406	05/09/01	F	1	0	—	[500]	—	—	—	—
Antimony	6	1406	05/09/01	F	1	1	0.212	—	6	0/1	—	—
Antimony	6	1406	05/09/01	NF	1	1	0.216	—	—	—	—	—
Arsenic	6	1406	05/09/01	F	1	1	1.6	—	50	0/1	100	0/1
Arsenic	6	1406	05/09/01	NF	1	0	—	[1.5]	—	—	—	—
Barium	6	1406	05/09/01	F	1	1	14	—	2000	0/1	1000	0/1
Barium	6	1406	05/09/01	NF	1	1	14	—	—	—	—	—
Beryllium	6	1406	05/09/01	F	1	0	—	[0.012]	4	0/1	—	—
Beryllium	6	1406	05/09/01	NF	1	0	—	[0.012]	—	—	—	—
Boron	6	1406	05/09/01	F	1	1	87	—	—	—	750	0/1
Boron	6	1406	05/09/01	NF	1	1	80	—	—	—	—	—
Bromide	6	1406	05/09/01	F	1	0	—	[200]	—	—	—	—
Cadmium	6	1406	05/09/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	6	1406	05/09/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	6	1406	05/09/01	F	1	1	21000	—	—	—	—	—
Calcium	6	1406	05/09/01	NF	1	1	21000	—	—	—	—	—

Table 54 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	6	1406	05/09/01	F	1	1	2800	—	250000	0/1	250000	0/1
Chromium (total)	6	1406	05/09/01	F	1	1	0.45	—	100	0/1	50	0/1
Chromium (total)	6	1406	05/09/01	NF	1	1	3.6	—	—	—	—	—
Cobalt	6	1406	05/09/01	F	1	0	—	[0.37]	—	—	50	0/1
Cobalt	6	1406	05/09/01	NF	1	0	—	[0.37]	—	—	—	—
Copper	6	1406	05/09/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	6	1406	05/09/01	NF	1	1	0.62	—	—	—	—	—
Cyanide (total)	6	1406	05/09/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	6	1406	05/09/01	F	1	1	110	—	4000	0/1	1600	0/1
Iron	6	1406	05/09/01	F	1	0	—	[61]	300	0/1	1000	0/1
Iron	6	1406	05/09/01	NF	1	0	—	[99]	—	—	—	—
Lead	6	1406	05/09/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	6	1406	05/09/01	NF	1	0	—	[0.037]	—	—	—	—
Magnesium	6	1406	05/09/01	F	1	1	3900	—	—	—	—	—
Magnesium	6	1406	05/09/01	NF	1	1	3900	—	—	—	—	—
Manganese	6	1406	05/09/01	F	1	1	14	—	50	0/1	200	0/1
Manganese	6	1406	05/09/01	NF	1	1	15	—	—	—	—	—
Mercury	6	1406	05/09/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	6	1406	05/09/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	6	1406	05/09/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	6	1406	05/09/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	6	1406	05/09/01	F	1	1	1.3	—	100	0/1	200	0/1
Nickel	6	1406	05/09/01	NF	1	1	3	—	—	—	—	—
Nitrate + Nitrite (as N)	6	1406	05/09/01	F	1	1	360	—	10000	0/1	—	—
Perchlorate	6	1406	05/09/01	F	1	0	—	[2.62]	—	—	—	—
Phosphorus (total)	6	1406	05/09/01	F	1	1	6900	—	—	—	—	—
Potassium	6	1406	05/09/01	F	1	1	1300	—	—	—	—	—
Potassium	6	1406	05/09/01	NF	1	1	1300	—	—	—	—	—
Selenium	6	1406	05/09/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	6	1406	05/09/01	NF	1	0	—	[1.9]	—	—	—	—

Table 54 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	6	1406	05/09/01	F	1	1	55640	—	—	—	—	—
SiO_2	6	1406	05/09/01	NF	1	1	55640	—	—	—	—	—
Silver	6	1406	05/09/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	6	1406	05/09/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	6	1406	05/09/01	F	1	1	14000	—	—	—	—	—
Sodium	6	1406	05/09/01	NF	1	1	13000	—	—	—	—	—
Strontium	6	1406	05/09/01	F	1	1	160	—	—	—	—	—
Strontium	6	1406	05/09/01	NF	1	1	150	—	—	—	—	—
Sulfate	6	1406	05/09/01	F	1	1	6500	—	250000	0/1	600000	0/1
Thallium	6	1406	05/09/01	F	1	1	0.211	—	2	0/1	—	—
Thallium	6	1406	05/09/01	NF	1	1	0.273	—	—	—	—	—
Uranium	6	1406	05/09/01	F	1	1	0.769	—	20	0/1	5000	0/1
Uranium	6	1406	05/09/01	NF	1	1	0.779	—	—	—	—	—
Vanadium	6	1406	05/09/01	F	1	1	3.6	—	—	—	—	—
Vanadium	6	1406	05/09/01	NF	1	1	3.4	—	—	—	—	—
Zinc	6	1406	05/09/01	F	1	0	—	[5.2]	5000	0/1	10000	0/1
Zinc	6	1406	05/09/01	NF	1	0	—	[5.2]	—	—	—	—
Stable Isotope (‰)												
δ D/H	6	1406	05/09/01	NF	1	1	-83	—	—	—	—	—
δ O18/O16	6	1406	05/09/01	NF	1	1	-12	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 55
Regional Well R-25 Screen 7 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	7	1605	05/14/01	NF[e]	1	1	48000	—[f]	—	—	—	—
pH	7	1605	05/14/01	NF	1	1	7.20	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	7	1605	05/14/01	NF	1	1	135	—	—	0/1	—	0/1
Temperature (°C)	7	1605	05/14/01	NF	1	1	15.8	—	—	0/1	—	0/1
Turbidity (NTU)[g]	7	1605	05/14/01	NF	1	1	3.4	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	7	1605	05/14/01	F[h]	1	1	66000	—	—	—	—	—
Aluminum	7	1605	05/14/01	F	1	0	—	[7.6]	50	0/1	5000	0/1
Aluminum	7	1605	05/14/01	NF	1	1	31	—	—	—	—	—
Ammonia (as N)	7	1605	05/14/01	F	1	0	—	[500]	—	—	—	—
Antimony	7	1605	05/14/01	F	1	1	0.315	—	6	0/1	—	—
Antimony	7	1605	05/14/01	NF	1	1	0.228	—	—	—	—	—
Arsenic	7	1605	05/14/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	7	1605	05/14/01	NF	1	1	3.8	—	—	—	—	—
Barium	7	1605	05/14/01	F	1	1	19	—	2000	0/1	1000	0/1
Barium	7	1605	05/14/01	NF	1	1	20	—	—	—	—	—
Beryllium	7	1605	05/14/01	F	1	0	—	[0.012]	4	0/1	—	—
Beryllium	7	1605	05/14/01	NF	1	1	0.029	—	—	—	—	—
Boron	7	1605	05/14/01	F	1	1	84	—	—	—	750	0/1
Boron	7	1605	05/14/01	NF	1	1	90	—	—	—	—	—
Bromide	7	1605	05/14/01	F	1	0	—	[200]	—	—	—	—
Cadmium	7	1605	05/14/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	7	1605	05/14/01	NF	1	1	0.191	—	—	—	—	—
Calcium	7	1605	05/14/01	F	1	1	12000	—	—	—	—	—
Calcium	7	1605	05/14/01	NF	1	1	12000	—	—	—	—	—

Table 55 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	7	1605	05/14/01	F	1	1	3000	—	250000	0/1	250000	0/1
Chromium (total)	7	1605	05/14/01	F	1	1	1.7	—	100	0/1	50	0/1
Chromium (total)	7	1605	05/14/01	NF	1	1	41	—	—	—	—	—
Cobalt	7	1605	05/14/01	F	1	0	—	[0.37]	—	—	50	0/1
Cobalt	7	1605	05/14/01	NF	1	1	0.45	—	—	—	—	—
Copper	7	1605	05/14/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	7	1605	05/14/01	NF	1	1	0.95	—	—	—	—	—
Cyanide (total)	7	1605	05/14/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	7	1605	05/14/01	F	1	1	160	—	4000	0/1	1600	0/1
Iron	7	1605	05/14/01	F	1	0	—	[100]	300	0/1	1000	0/1
Iron	7	1605	05/14/01	NF	1	1	410	—	—	—	—	—
Lead	7	1605	05/14/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	7	1605	05/14/01	NF	1	0	—	[0.037]	—	—	—	—
Magnesium	7	1605	05/14/01	F	1	1	2900	—	—	—	—	—
Magnesium	7	1605	05/14/01	NF	1	1	3000	—	—	—	—	—
Manganese	7	1605	05/14/01	F	1	1	3.6	—	50	0/1	200	0/1
Manganese	7	1605	05/14/01	NF	1	1	7.9	—	—	—	—	—
Mercury	7	1605	05/14/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	7	1605	05/14/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	7	1605	05/14/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	7	1605	05/14/01	NF	1	1	4.9	—	—	—	—	—
Nickel	7	1605	05/14/01	F	1	1	1.4	—	100	0/1	200	0/1
Nickel	7	1605	05/14/01	NF	1	1	26	—	—	—	—	—
Nitrate + Nitrite (as N)	7	1605	05/14/01	F	1	1	380	—	10000	0/1	—	—
Perchlorate	7	1605	05/14/01	F	1	0	—	[2.49]	—	—	—	—
Phosphorus (total)	7	1605	05/14/01	F	1	1	820	—	—	—	—	—
Potassium	7	1605	05/14/01	F	1	1	1400	—	—	—	—	—
Potassium	7	1605	05/14/01	NF	1	1	1500	—	—	—	—	—
Selenium	7	1605	05/14/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	7	1605	05/14/01	NF	1	0	—	[1.9]	—	—	—	—

Table 55 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	7	1605	05/14/01	F	1	1	55640	—	—	—	—	—
SiO_2	7	1605	05/14/01	NF	1	1	55640	—	—	—	—	—
Silver	7	1605	05/14/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	7	1605	05/14/01	NF	1	1	0.65	—	—	—	—	—
Sodium	7	1605	05/14/01	F	1	1	10000	—	—	—	—	—
Sodium	7	1605	05/14/01	NF	1	1	10000	—	—	—	—	—
Strontium	7	1605	05/14/01	F	1	1	76	—	—	—	—	—
Strontium	7	1605	05/14/01	NF	1	1	76	—	—	—	—	—
Sulfate	7	1605	05/14/01	F	1	1	3700	—	250000	0/1	600000	0/1
Thallium	7	1605	05/14/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	7	1605	05/14/01	NF	1	1	0.278	—	—	—	—	—
Uranium	7	1605	05/14/01	F	1	1	0.495	—	20	0/1	5000	0/1
Uranium	7	1605	05/14/01	NF	1	1	0.539	—	—	—	—	—
Vanadium	7	1605	05/14/01	F	1	1	3.3	—	—	—	—	—
Vanadium	7	1605	05/14/01	NF	1	1	3.7	—	—	—	—	—
Zinc	7	1605	05/14/01	F	1	0	—	[5.2]	5000	0/1	10000	0/1
Zinc	7	1605	05/14/01	NF	1	1	29	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 56
Regional Well R-25 Screen 8 Second Round Sample Results: Data Summary for Inorganic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Field Parameter												
Field Alkalinity (total as $CaCO_3$)	8	1796	05/14/01	NF	1	1	58000	—	—	—	—	—
pH	8	1796	05/14/01	NF	1	1	7.57	—	>6 & <9	0/1	>6 & <9	0/1
Specific Conductance (µS/cm)	8	1796	05/14/01	NF	1	1	157	—	—	0/1	—	0/1
Temperature (°C)	8	1796	05/14/01	NF	1	1	18.9	—	—	0/1	—	0/1
Turbidity (NTU)[g]	8	1796	05/14/01	NF	1	1	6.5	—	—	0/1	—	0/1
Analyte												
Lab Alkalinity (total as $CaCO_3$)	8	1796	05/14/01	F	1	1	70000	—	—	—	—	—
Aluminum	8	1796	05/14/01	F	1	1	240	—	50	1/1	5000	0/1
Aluminum	8	1796	05/14/01	NF	1	1	300	—	—	—	—	—
Ammonia (as N)	8	1796	05/14/01	F	1	0	—	[500]	—	—	—	—
Antimony	8	1796	05/14/01	F	1	1	0.468	—	6	0/1	—	—
Antimony	8	1796	05/14/01	NF	1	0	—	[2.1]	—	—	—	—
Arsenic	8	1796	05/14/01	F	1	0	—	[1.5]	50	0/1	100	0/1
Arsenic	8	1796	05/14/01	NF	1	1	2.8	—	—	—	—	—
Barium	8	1796	05/14/01	F	1	1	17	—	2000	0/1	1000	0/1
Barium	8	1796	05/14/01	NF	1	1	18	—	—	—	—	—
Beryllium	8	1796	05/14/01	F	1	0	—	[0.012]	4	0/1	—	—
Beryllium	8	1796	05/14/01	NF	1	1	0.102	—	—	—	—	—
Boron	8	1796	05/14/01	F	1	1	82	—	—	—	750	0/1
Boron	8	1796	05/14/01	NF	1	1	86	—	—	—	—	—
Bromide	8	1796	05/14/01	F	1	0	—	[200]	—	—	—	—
Cadmium	8	1796	05/14/01	F	1	0	—	[0.066]	5	0/1	10	0/1
Cadmium	8	1796	05/14/01	NF	1	0	—	[0.066]	—	—	—	—
Calcium	8	1796	05/14/01	F	1	1	11000	—	—	—	—	—
Calcium	8	1796	05/14/01	NF	1	1	11000	—	—	—	—	—

Table 56 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chloride	8	1796	05/14/01	F	1	1	2800	—	250000	0/1	250000	0/1
Chromium (total)	8	1796	05/14/01	F	1	1	0.26	—	100	0/1	50	0/1
Chromium (total)	8	1796	05/14/01	NF	1	1	4.2	—	—	—	—	—
Cobalt	8	1796	05/14/01	F	1	0	—	[0.37]	—	—	50	0/1
Cobalt	8	1796	05/14/01	NF	1	0	—	[0.37]	—	—	—	—
Copper	8	1796	05/14/01	F	1	0	—	[0.27]	1300	0/1	1000	0/1
Copper	8	1796	05/14/01	NF	1	0	—	[0.27]	—	—	—	—
Cyanide (total)	8	1796	05/14/01	NF	1	0	—	[10]	—	—	—	—
Fluoride	8	1796	05/14/01	F	1	1	180	—	4000	0/1	1600	0/1
Iron	8	1796	05/14/01	F	1	0	—	[120]	300	0/1	1000	0/1
Iron	8	1796	05/14/01	NF	1	1	640	—	—	—	—	—
Lead	8	1796	05/14/01	F	1	0	—	[0.037]	15	0/1	50	0/1
Lead	8	1796	05/14/01	NF	1	1	0.041	—	—	—	—	—
Magnesium	8	1796	05/14/01	F	1	1	2500	—	—	—	—	—
Magnesium	8	1796	05/14/01	NF	1	1	2600	—	—	—	—	—
Manganese	8	1796	05/14/01	F	1	1	1.5	—	50	0/1	200	0/1
Manganese	8	1796	05/14/01	NF	1	1	3.8	—	—	—	—	—
Mercury	8	1796	05/14/01	F	1	0	—	[0.033]	2	0/1	—	—
Mercury	8	1796	05/14/01	NF	1	0	—	[0.033]	—	—	2	0/1
Molybdenum	8	1796	05/14/01	F	1	0	—	[3.8]	—	—	—	—
Molybdenum	8	1796	05/14/01	NF	1	0	—	[3.8]	—	—	—	—
Nickel	8	1796	05/14/01	F	1	1	5	—	100	0/1	200	0/1
Nickel	8	1796	05/14/01	NF	1	1	3.2	—	—	—	—	—
Nitrate + Nitrite (as N)	8	1796	05/14/01	F	1	1	430	—	10000	0/1	—	—
Perchlorate	8	1796	05/14/01	F	1	0	—	[1.86]	—	—	—	—
Phosphorus (total)	8	1796	05/14/01	F	1	1	1100	—	—	—	—	—
Potassium	8	1796	05/14/01	F	1	1	2500	—	—	—	—	—
Potassium	8	1796	05/14/01	NF	1	1	2500	—	—	—	—	—
Selenium	8	1796	05/14/01	F	1	0	—	[1.9]	50	0/1	50	0/1
Selenium	8	1796	05/14/01	NF	1	0	—	[1.9]	—	—	—	—

Table 56 (continued)

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
SiO_2	8	1796	05/14/01	F	1	1	53500	—	—	—	—	—
SiO_2	8	1796	05/14/01	NF	1	1	53500	—	—	—	—	—
Silver	8	1796	05/14/01	F	1	0	—	[0.57]	100	0/1	50	0/1
Silver	8	1796	05/14/01	NF	1	0	—	[0.57]	—	—	—	—
Sodium	8	1796	05/14/01	F	1	1	13000	—	—	—	—	—
Sodium	8	1796	05/14/01	NF	1	1	13000	—	—	—	—	—
Strontium	8	1796	05/14/01	F	1	1	99	—	—	—	—	—
Strontium	8	1796	05/14/01	NF	1	1	100	—	—	—	—	—
Sulfate	8	1796	05/14/01	F	1	1	4200	—	250000	0/1	600000	0/1
Thallium	8	1796	05/14/01	F	1	0	—	[0.077]	2	0/1	—	—
Thallium	8	1796	05/14/01	NF	1	0	—	[0.077]	—	—	—	—
Uranium	8	1796	05/14/01	F	1	1	0.644	—	20	0/1	5000	0/1
Uranium	8	1796	05/14/01	NF	1	1	0.779	—	—	—	—	—
Vanadium	8	1796	05/14/01	F	1	1	2.8	—	—	—	—	—
Vanadium	8	1796	05/14/01	NF	1	1	2.9	—	—	—	—	—
Zinc	8	1796	05/14/01	F	1	1	9	—	5000	0/1	10000	0/1
Zinc	8	1796	05/14/01	NF	1	1	7.3	—	—	—	—	—

Note: Units are µg/L except as otherwise noted in first column.

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] NTU = Nephelometric turbidity unit.
[h] F = Filtered.

Table 57
Regional Well R-25 Screen 1 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Trichloroethene	1	755	05/03/01	NF[e]	1	1	1.4	—[f]	5	0/1	100	0/1
4-Amino-2,6,dinitrotoluene	1	755	05/03/01	NF	1	1	1.40	—	—	—	—	—
2-Amino-2,6,dinitrotoluene	1	755	05/03/01	NF	1	1	1.00	—	—	—	—	—
HMX[g]	1	755	05/03/01	NF	1	1	4.50	—	—	—	—	—
RDX[g]	1	755	05/03/01	NF	1	1	30.00	—	—	—	—	—
1,3,5-Trinitrobenzene	1	755	05/03/01	NF	1	1	0.13	—	—	—	—	—
2,4,6-Trinitrotoluene[g]	1	755	05/03/01	NF	1	1	1.10	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 58
Regional Well R-25 Screen 2 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Carbon Disulfide	2	892	05/04/01	NF[e]	1	1	4.9	—[f]	—	—	—	—
Total Organic Carbon	2	892	05/04/01	NF	1	1	6630	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.

Table 59
Regional Well R-25 Screen 4 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Chlorobenzene	4	1192	05/07/01	NF[e]	1	1	2.3	—[f]	100	0/1	—	—
HMX[g]	4	1192	05/07/07	NF	1	1	0.17	—	—	—	—	—
RDX[g]	4	1192	05/07/12	NF	1	1	5.9	—	—	—	—	—
Toluene	4	1192	05/07/01	NF	1	1	3.6	—	1000	0/1	750	0/1
Total Organic Carbon	4	1192	05/07/01	NF	1	1	2200	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 60
Regional Well R-25 Screen 5 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
Total Organic Carbon	5	1303	05/08/01	NF[e]	1	1	7000	—[f]	—	—	—	—
4-Amino-2,6,dinitrotoluene	5	1303	05/08/01	NF	1	1	0.29	—	—	—	—	—
HMX[g]	5	1303	05/08/01	NF	1	1	1.20	—	—	—	—	—
RDX[g]	5	1303	05/08/01	NF	1	1	6.70	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 61
Regional Well R-25 Screen 6 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
4-Amino-2,6,dinitrotoluene	6	1406	05/09/01	NF[e]	1	1	1.70	—[f]	—	—	—	—
2-Amino-2,6,dinitrotoluene	6	1406	05/09/01	NF	1	1	0.95	—	—	—	—	—
2,4-Dinitrotoluene	6	1406	05/09/01	NF	1	1	0.11	—	—	—	—	—
HMX[g]	6	1406	05/09/01	NF	1	1	1.90	—	—	—	—	—
RDX[g]	6	1406	05/09/01	NF	1	1	10.70	—	—	—	—	—
2,4,6-Trinitrotoluene[g]	6	1406	05/09/01	NF	1	1	0.80	—	—	—	—	—
Total Organic Carbon	6	1406	05/09/01	NF	1	1	1300	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 62
Regional Well R-25 Screen 7 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
4-Amino-2,6,dinitrotoluene	7	1605	05/14/01	NF[e]	1	1	1.30	—[f]	—	—	—	—
2-Amino-2,6,dinitrotoluene	7	1605	05/14/01	NF	1	1	1.00	—	—	—	—	—
2,4-Dinitrotoluene	7	1605	05/14/01	NF	1	1	0.16	—	—	—	—	—
HMX[g]	7	1605	05/14/01	NF	1	1	1.90	—	—	—	—	—
RDX[g]	7	1605	05/14/01	NF	1	1	9.90	—	—	—	—	—
1,3,5-Trinitrobenzene	7	1605	05/14/01	NF	1	1	0.17	—	—	—	—	—
2,4,6-Trinitrotoluene[g]	7	1605	05/14/01	NF	1	1	1.20	—	—	—	—	—
Total Organic Carbon	7	1605	05/14/01	NF	1	1	1700	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 63
Regional Well R-25 Screen 8 Second Round Sample Results: Data Summary for Detected Organic Chemicals

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (µg/L)	Non-detected Value (µg/L)	Drinking Water MCL[b] (µg/L)	Frequency of Detects > Drinking Water MCL	NMED[c] Groundwater Standard[d] (µg/L)	Frequency of Detects > NMED Groundwater Standard
4-Amino-2,6,dinitrotoluene	8	1796	05/14/01	NF[e]	—	—	1.80	—[f]	—	—	—	—
2-Amino-2,6,dinitrotoluene	8	1796	05/14/01	NF	—	—	1.20	—	—	—	—	—
2,4-Dinitrotoluene	8	1796	05/14/01	NF	—	—	0.17	—	—	—	—	—
HMX[g]	8	1796	05/14/01	NF	—	—	1.90	—	—	—	—	—
RDX[g]	8	1796	05/14/01	NF	—	—	10.00	—	—	—	—	—
1,3,5-Trinitrobenzene	8	1796	05/14/01	NF	—	—	0.12	—	—	—	—	—
2,4,6-Trinitrotoluene[g]	8	1796	05/14/01	NF	—	—	1.00	—	—	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NMED = New Mexico Environment Department.
[d] State of New Mexico groundwater standards are from New Mexico Quality Control Commission Regulations, Ground and Surface Water Protection, 20 NMAC 6.2.
[e] NF = Nonfiltered.
[f] — = Not available or applicable.
[g] October 2000 EPA Region 6 human health screening levels for tap water are as follows: RDX, 0.61 µg/L; trinitrotoluene (TNT), 2.2 µg/L; HMX, 1800 µg/L. The screening levels are equivalent to updated health advisory levels using current exposure parameters and existing information. The health advisory limits are estimates of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.

Table 64
Regional Well R-25 Screen 1 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	1	755	05/03/01	NF[c]	1	0	—[d]	[1.5]	—	—
Gross Beta Radiation	1	755	05/03/01	NF	1	0	—	[1.8]	—	—
Gross Gamma Radiation	1	755	05/03/01	NF	1	1	178	—	—	—
Tritium	1	755	05/03/01	NF	1	1	52.0	—	20000	0/1
Uranium-234	1	755	05/03/01	F[e]	1	1	0.65	—	—	—
Uranium-234	1	755	05/03/01	NF	1	1	0.75	—	—	—
Uranium-235	1	755	05/03/01	F	1	0	—	[0.021]	—	—
Uranium-235	1	755	05/03/01	NF	1	1	0.057	—	—	—
Uranium-238	1	755	05/03/01	F	1	1	0.48	—	—	—
Uranium-238	1	755	05/03/01	NF	1	1	0.55	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 65
Regional Well R-25 Screen 2 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	2	892	05/04/01	NF[c]	1	1	6.4	—[d]	—	—
Gross Beta Radiation	2	892	05/04/01	NF	1	1	5.4	—	—	—
Gross Gamma Radiation	2	892	05/04/01	NF	1	1	154	—	—	—
Tritium	2	892	05/04/01	NF	1	1	55.2	—	20000	0/1
Uranium-234	2	892	05/04/01	F[e]	1	1	0.55	—	—	—
Uranium-234	2	892	05/04/01	NF	1	1	0.7	—	—	—
Uranium-235	2	892	05/04/01	F	1	0	—	[0.006]	—	—
Uranium-235	2	892	05/04/01	NF	1	0	—	[0.038]	—	—
Uranium-238	2	892	05/04/01	F	1	1	0.298	—	—	—
Uranium-238	2	892	05/04/01	NF	1	1	0.54	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 66
Regional Well R-25 Screen 4 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	4	1192	05/07/01	NF[c]	1	0	—[d]	[1.18]	—	—
Gross Beta Radiation	4	1192	05/07/01	NF	1	0	—	[1.7]	—	—
Gross Gamma Radiation	4	1192	05/07/01	NF	1	1	184	—	—	—
Tritium	4	1192	05/07/01	NF	1	1	38.3	—	20000	0/1
Uranium-234	4	1192	05/07/01	F[e]	1	1	0.73	—	—	—
Uranium-234	4	1192	05/07/01	NF	1	1	0.53	—	—	—
Uranium-235	4	1192	05/07/01	F	1	0	—	[0.033]	—	—
Uranium-235	4	1192	05/07/01	NF	1	0	—	[0.022]	—	—
Uranium-238	4	1192	05/07/01	F	1	1	0.37	—	—	—
Uranium-238	4	1192	05/07/01	NF	1	1	0.47	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 67
Regional Well R-25 Screen 5 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	5	1303	05/08/01	NF[c]	1	0	—[d]	[1.3]	—	—
Gross Beta Radiation	5	1303	05/08/01	NF	1	0	—	[1.2]	—	—
Gross Gamma Radiation	5	1303	05/08/01	NF	1	1	186	—	—	—
Tritium	5	1303	05/08/01	NF	1	1	17.2	—	20000	0/1
Uranium-234	5	1303	05/08/01	F[e]	1	1	0.32	—	—	—
Uranium-234	5	1303	05/08/01	NF	1	1	0.7	—	—	—
Uranium-235	5	1303	05/08/01	F	1	0	—	[-0.004]	—	—
Uranium-235	5	1303	05/08/01	NF	1	0	—	[0.008]	—	—
Uranium-238	5	1303	05/08/01	F	1	1	0.237	—	—	—
Uranium-238	5	1303	05/08/01	NF	1	1	0.365	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 68
Regional Well R-25 Screen 6 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	6	1406	05/09/01	NF[c]	1	0	—[d]	[0.6]	—	—
Gross Beta Radiation	6	1406	05/09/01	NF	1	0	—	[1.1]	—	—
Gross Gamma Radiation	6	1406	05/09/01	NF	1	1	130	—	—	—
Tritium	6	1406	05/09/01	NF	1	1	14.4	—	20000	0/1
Uranium-234	6	1406	05/09/01	F[e]	1	1	0.51	—	—	—
Uranium-234	6	1406	05/09/01	NF	1	1	0.46	—	—	—
Uranium-235	6	1406	05/09/01	F	1	0	—	[0.013]	—	—
Uranium-235	6	1406	05/09/01	NF	1	0	—	[0.048]	—	—
Uranium-238	6	1406	05/09/01	F	1	1	0.291	—	—	—
Uranium-238	6	1406	05/09/01	NF	1	1	0.236	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 69
Regional Well R-25 Screen 7 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	7	1605	05/14/01	NF[c]	1	0	—[d]	[0.9]	—	—
Gross Beta Radiation	7	1605	05/14/01	NF	1	0	—	[1]	—	—
Gross Gamma Radiation	7	1605	05/14/01	NF	1	0	—	[54]	—	—
Tritium	7	1605	05/14/01	NF	1	1	10.8	—	20000	0/1
Uranium-234	7	1605	05/14/01	F[e]	1	1	0.39	—	—	—
Uranium-234	7	1605	05/14/01	NF	1	1	0.305	—	—	—
Uranium-235	7	1605	05/14/01	F	1	0	—	[0.028]	—	—
Uranium-235	7	1605	05/14/01	NF	1	0	—	[0.007]	—	—
Uranium-238	7	1605	05/14/01	F	1	1	0.139	—	—	—
Uranium-238	7	1605	05/14/01	NF	1	1	0.178	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.

Table 70
Regional Well R-25 Screen 8 Second Round Sample Results: Data Summary for Radionuclides

Parameter and Analyte	Screen	Depth (ft)[a]	Collection Date	Field Preparation	Number of Analyses	Number of Detects	Detected Value (pCi/L)	Non-detected Value (pCi/L)	Drinking Water MCL[b] (pCi/L)	Frequency of Detects > Drinking Water MCL
Gross Alpha Radiation	8	1796	05/14/01	NF[c]	1	0	—[d]	[1.5]	—	—
Gross Beta Radiation	8	1796	05/14/01	NF	1	0	—	[1.7]	—	—
Gross Gamma Radiation	8	1796	05/14/01	NF	1	1	58	—	—	—
Tritium	8	1796	05/14/01	NF	1	1	11.4	—	20000	0/1
Uranium-234	8	1796	05/14/01	F[e]	1	1	0.42	—	—	—
Uranium-234	8	1796	05/14/01	NF	1	1	0.46	—	—	—
Uranium-235	8	1796	05/14/01	F	1	0	—	[0.021]	—	—
Uranium-235	8	1796	05/14/01	NF	1	0	—	[0.039]	—	—
Uranium-238	8	1796	05/14/01	F	1	1	0.182	—	—	—
Uranium-238	8	1796	05/14/01	NF	1	1	0.228	—	—	—

[a] The static water level for the regional aquifer at R-25, when the well was drilled, was 1286 ft.
[b] MCL = Maximum contaminant level. US Environmental Protection Agency (EPA) MCLs are from the National Primary Water Regulations, 40 CFR Part 141. US EPA secondary MCLs are from National Secondary Drinking Water Regulations, 20 NMAC 7.1.
[c] NF = Nonfiltered.
[d] — = Not available or applicable.
[e] F = Filtered.