State of New Mexico
ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
P.O. Box 1663, MS/J-993
Los Alamos, New Mexico 87545

LANL General

GARY JOHNSON
GOVERNOR

PETE MAGGIORE
SECRETARY

April 10, 2000

RECEIVED
APR 13 2000
DOE OVERSIGHT BUREAU

Joe Vozella, LAAO
AIP Point of Contact
U.S. Department of Energy
Los Alamos Area Office
528 35th Street, MS A316
Los Alamos, NM 87544

LANL DOE OB DATA

RE: **Release of ground-water data related to split-sampling and independent sampling at Los Alamos National Laboratory and surrounding areas during 1999**

Dear Mr. Vozella:

The DOE Oversight Bureau (DOE OB) collected ground-water samples at Los Alamos National Laboratory and surrounding areas throughout 1999, and the attached preliminary data are being submitted for your thirty-day review as stated in the Agreement-in-Principle Umbrella Protocol. After you have had the opportunity to review and comment on these data, they will be released to applicable agencies thirty (30) days following your receipt of this letter. These data are currently being incorporated into a formal report titled "Ground-Water Quality Oversight at Los Alamos National Laboratory and Surrounding Areas, 1996 through 1999"; the report (draft version) is planned to be released to DOE and LANL by July, 2000. Contact me at 672-0448 if you have any questions concerning this matter.

Sincerely,

Stephen Yanicak

Steve Yanicak, LANL POC
Department of Energy Oversight Bureau

SY:mrd

Attachments
cc: J. Parker, NMED, Chief, DOE Oversight Bureau
T. Taylor, DOE LAAO, Program Manager, EM/ER, MS A316
S. Rae, LANL, LANL, ESH-18/Group Leader, MS K490
J. Canepa, LANL, ER Project Manager, MS M992

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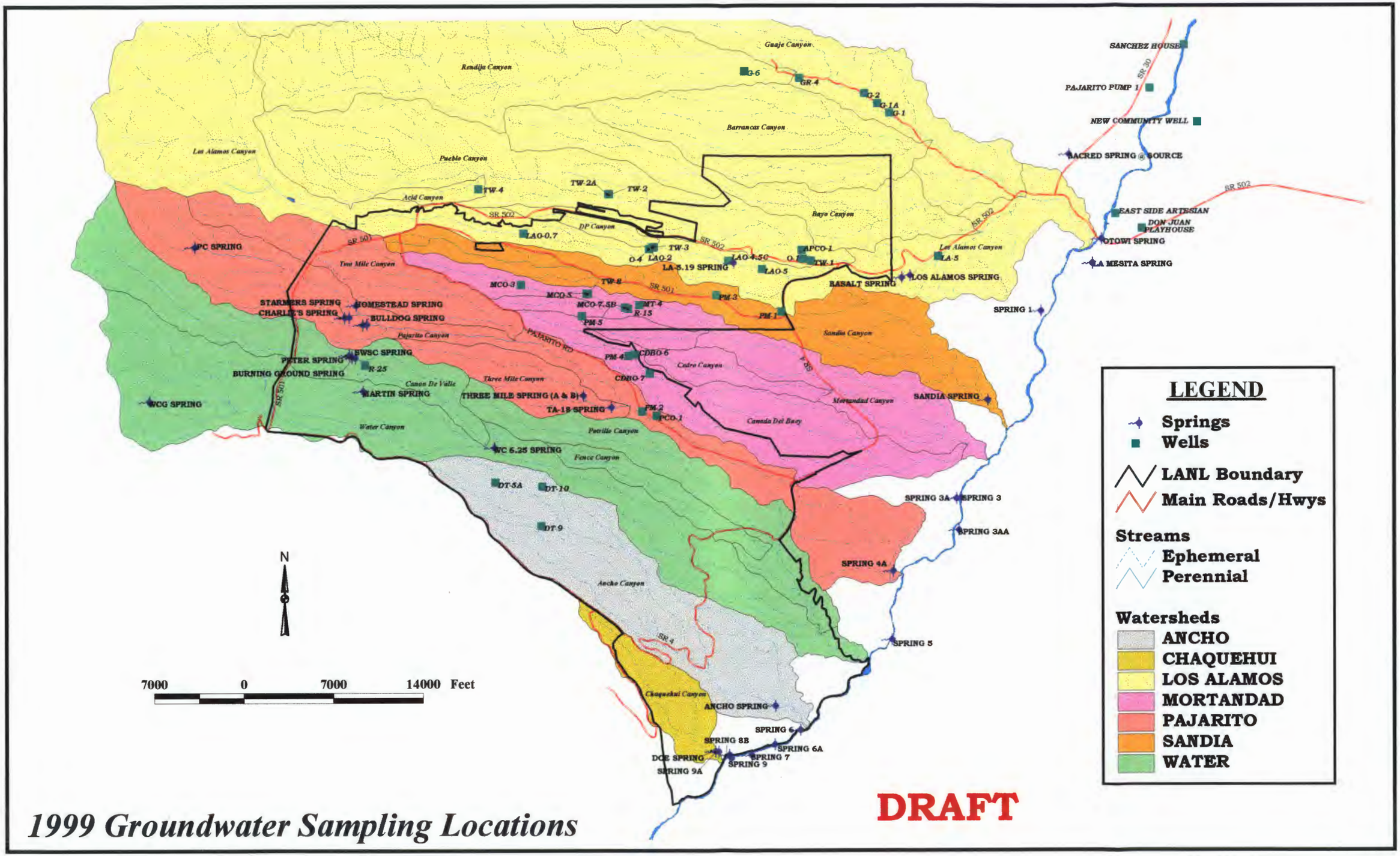

1999 Groundwater Sampling Locations

Table 1 - NMED DOE Oversight Bureau Ground-Water Quality Results: Non-Metallic Inorganics and Field Parameters.

STATION ID	Lab	Date	TOTAL PHOS (mg/L)	NO_2/NO_3 AS N (mg/L)	del^{15}N ‰	TKN (mg/L)	NH_3 (mg/L)	TOC (mg/L)	CN (mg/L)	TDS (mg/L)	TSS (mg/L)	FIELD NO_3 AS N (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	FIELD TEMP. (°C)
WELLS																
DEEP AQUIFER																
Monitoring/Test Wells and Boreholes																
DT-5A		8/11/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	103	62	21.0
DT-9		6/2/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.77	105	NA	21.4
DT-10		6/3/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.79	119	NA	19.2
R-15 (1007')		8/23/99	See Additional Table(s)													
R-25 (1407')	PIN	1/7/99	1.5	0.3	NA	1.0	0.25	NA	NA	140	3700	NA	NA	NA	NA	NA
R-25 (1507')	PIN	1/13/99	0.55	<0.1	NA	0.7	0.52	NA	NA	110§	1800	NA	NA	NA	NA	NA
R-25 (1607')	PIN	2/3/99	1.0	0.1	NA	0.6	<0.05	NA	NA	75	1600	NA	NA	NA	NA	NA
R-25 (1747')	PIN	2/12/99	NA	NA	NA	NA	NA	NA	NA	140	190	NA	NA	NA	NA	NA
R-25 (1940')	PIN	2/23/99	NA	NA	NA	NA	NA	NA	NA	NA	3800	NA	NA	NA	NA	NA
R-25 (1942')		2/26/99	See Additional Table(s)													
TW-1	CTE	5/27/99	0.02	5.4	NA	<0.1	<0.03	NA	NA	NA	NA	NA	7.77	389	NA	13.6
	PIN	5/27/99	NA	NA	22.2	NA	NA	NA	NA	280	<5	NA	7.77	389	NA	13.6
TW-2	PIN	8/11/99	<0.05	<0.05	NA	NA	<0.1	NA	NA	NA	NA	NA	8.40	132	NA	14.3
TW-3	CTE	5/27/99	NA	0.55	NA	NA	0.04	NA	NA	NA	NA	NA	7.85	159	NA	21.0
	PIN	5/27/99	NA	NA	2.3	NA	NA	NA	NA	160	<5	NA	7.85	159	NA	21.0
TW-4	CTE	5/27/99	NA	0.03	NA	NA	<0.03	NA	NA	NA	NA	NA	8.14	120	NA	11.0
	PIN	5/27/99	NA	NA	NA	NA	NA	NA	NA	62	<5	NA	8.14	120	NA	11.0
TW-8	PARA	8/3/99	0.07	<0.5	NA	<2.5	<0.1	NA	NA	NA	NA	NA	7.34	123	NA	20.6
		12/8/99	See Additional Table(s)													

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STATION ID	Lab	Date	TOTAL PHOS (mg/L)	NO_2/NO_3 AS N (mg/L)	del^{15}N ‰	TKN (mg/L)	NH_3 (mg/L)	TOC (mg/L)	CN (mg/L)	TDS (mg/L)	TSS (mg/L)	FIELD NO_3 AS N (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	FIELD TEMP. (°C)
INTERMEDIATE AQUIFER																
Monitoring/Test Wells and Boreholes																
R-15 (740')	PIN	7/22/99	0.32	0.4	NA	0.5	0.38	NA	NA	450	74	NA	NA	NA	NA	NA
TW-2A	CTE	5/27/99	NA	0.32	NA	NA	0.08	NA	NA	NA	NA	NA	7.52	360	NA	11.4
	PIN	5/27/99	NA	NA	40.2	NA	NA	NA	NA	230	<5	NA	7.52	360	NA	11.4
PERCHED CANYON-BOTTOM AQUIFER																
Los Alamos Canyon																
APCO-1	CTE	3/25/99	NA	9.4	NA	NA	NA	NA	NA	NA	NA	NA	5.76	475	286	5.6
	PIN	3/25/99	2.7	9.6	NA	NA	NA	NA	NA	NA	NA	NA	5.76	475	286	5.6
	PARA	3/25/99	NA	NA	34.7	NA	NA	NA	NA	NA	NA	NA	5.76	475	286	5.6
LAO-0.7		4/8/99	See Additional Table(s)													
LAO-2		4/7/99	See Additional Table(s)													
LAO-4.5C		3/25/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.19	197	118	7.4
LAO-5	CTE	3/25/99	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	202	122	8.3
	PIN	3/25/99	0.59	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	202	122	8.3
Canada del Buey																
CDBO-6	PARA	5/17/99	0.3	<0.5	NA	<2.5	<0.1	NA	NA	260	340	NA	6.92	191	115	12.9
		6/30/99	See Additional Table(s)													
		7/1/99	See Additional Table(s)													
CDBO-7	PIN	10/6/99	0.19	<0.05	NA	<0.5	<0.05	NA	NA	165	<5	NA	6.80	230	131	12.1
Mortandad Canyon																
MCO-3	PARA	4/16/99	NA	NA	3.4	NA	NA	NA	NA	NA	NA	9.1	8.03	384	NA	3.5
		12/7/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.92	563	309	4.1
MCO-5	PARA	4/15/99	NA	NA	1.7	NA	NA	NA	NA	NA	NA	42	7.28	719	NA	8.4
(Field Duplicate)	PARA	4/15/99	NA	NA	1.4	NA	NA	NA	NA	NA	NA	42	7.28	719	NA	8.4

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STATION ID	Lab	Date	TOTAL PHOS (mg/L)	NO_2/NO_3 AS N (mg/L)	del^{15}N ‰	TKN (mg/L)	NH_3 (mg/L)	TOC (mg/L)	CN (mg/L)	TDS (mg/L)	TSS (mg/L)	FIELD NO_3 AS N (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	FIELD TEMP. (°C)
MCO-7.5	CTE	3/26/99	NA	18.6	NA	NA	NA	NA	NA	NA	NA	19.4	NA	504	3006	9.4
	PARA	3/26/99	NA	NA	-5.5	NA	NA	NA	NA	NA	NA	42	7.28	719	NA	8.4
MT-4		12/7/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.48	562	308	9.9
Pajarito Canyon																
PCO-1		3/24/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.44	178	107	8.1
	CTE	3/26/99	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA	6.09	177	106	7.2
	PARA	3/26/99	NA	NA	4.0	NA	NA	NA	NA	NA	NA	NA	6.09	177	106	7.2
LOS ALAMOS COUNTY																
WATER SUPPLY																
G-1		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.04	147	NA	24.4
G-1A		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.88	168	NA	27.6
G-2		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	196	NA	29.6
G-6		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.90	152	NA	27.6
GR-4	CTE	6/9/99	NA	0.45	NA	NA	<0.03	NA	NA	NA	NA	NA	6.70	155	NA	26.0
O-1	CTE	6/9/99	NA	1.1	NA	NA	<0.03	NA	NA	NA	NA	NA	7.95	212	NA	28.0
O-4		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.99	237	NA	27.6
PM-1		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.55	233	NA	26.1
PM-2		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	107	NA	24.6
PM-3		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	234	NA	20.0
PM-4		3/26/99	See Additional Table(s)													
	CTE	6/9/99	NA	0.42	NA	NA	0.07	NA	NA	NA	NA	NA	7.00	80	NA	25.3
PM-5		3/9/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.60	138	NA	24.7

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STATION ID	Lab	Date	TOTAL PHOS (mg/L)	NO_2/NO_3 AS N (mg/L)	del^{15}N ‰	TKN (mg/L)	NH_3 (mg/L)	TOC (mg/L)	CN (mg/L)	TDS (mg/L)	TSS (mg/L)	FIELD NO_3 AS N (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	FIELD TEMP. (°C)
SAN ILDEFONSO PUEBLO																
WATER SUPPLY																
Eastside Artesian		7/21/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.97	370	226	15.2
Don Juan Playhouse		7/21/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	302	182	21.3
LA-5		7/22/99	See Additional Table(s)													
New Community		7/20/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.05	408	246	14.8
Pajarito Pump 1		7/20/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.25	1420	843	18.2
Sanchez House		7/22/99	See Additional Table(s)													
SPRINGS																
Los Alamos Canyon Watershed																
Basalt Spring		7/19/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.32	388	232	7.9
LA 5.19 Spring	CTE	3/25/99	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	6.11	193	116	7.9
Los Alamos Spring	CTE	8/19/99	0.09	2.9	NA	NA	NA	NA	NA	240	NA	NA	NA	NA	NA	NA
Pajarito Canyon Watershed																
PC Spring	PIN[5]	6/29/99	0.06	<0.1	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.75	62	37	6.6
	CTE[5]	6/29/99	NA	NA	NA	NA	NA	2.3	NA	78	3	NA	6.75	62	37	6.6
Bulldog Spring	CTE	2/8/99	0.04	0.78	NA	0.1	<0.03	NA	NA	110	2	NA	7.33	220	132	9.2
(Field Duplicate)	PIN	2/8/99	NA	NA	NA	NA	NA	NA	NA	66	<5	NA	7.33	220	132	9.2
	PARA	6/28/99	0.06	1.04	NA	<2.5	<0.1	NA	NA	NA	NA	NA	6.76	205	123	10.0
(Field Duplicate)	PIN[5]	6/28/99	0.07	0.9	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.76	205	123	10.0
(Field Duplicate)	PIN[5]	6/28/99	0.08	0.9	NA	<0.5	0.13	1.9	NA	170	3	NA	6.76	205	123	10.0
	CTE[5]	6/28/99	NA	NA	NA	NA	NA	1.7	NA	160	2	NA	6.76	205	123	10.0

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STATION ID	Lab	Date	TOTAL PHOS (mg/L)	NO_2/NO_3 AS N (mg/L)	del^{15}N ‰	TKN (mg/L)	NH_3 (mg/L)	TOC (mg/L)	CN (mg/L)	TDS (mg/L)	TSS (mg/L)	FIELD NO_3 AS N (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	FIELD TEMP. (°C)
Bulldog Spring (cont.) (Field Duplicate)	CTE[5]	6/28/99	NA	NA	NA	NA	NA	1.9	NA	170	3	NA	6.76	205	123	10.0
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	132	9.3
Charlie's Spring	CTE	2/8/99	0.04	0.58	NA	0.4	<0.03	NA	NA	52	34	NA	6.78	182	109	7.9
	PIN[5]	6/28/99	0.05	0.2	NA	<0.5	<0.05	NA	NA	NA	NA	NA	5.94	104	62	9.1
	CTE[5]	6/28/99	NA	NA	NA	NA	NA	2.7	NA	110	2	NA	5.94	104	62	9.1
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	76	7.5
Homestead Spring	CTE	2/8/99	0.02	0.37	NA	0.2	0.03	NA	NA	60	6	NA	6.47	92	55	6.2
	PIN[5]	6/28/99	0.07	0.1	NA	<0.5	0.11	NA	NA	NA	NA	NA	6.20	100	60	9.4
	CTE[5]	6/28/99	NA	NA	NA	NA	NA	2.9	NA	110	10	NA	6.20	100	60	9.4
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84	46	7.7
Kieling Spring	CTE	2/8/99	0.037	0.58	NA	0.2	<0.03	NA	NA	96	5	NA	6.96	193	116	8.9
	PIN[5]	6/28/99	<0.05	0.6	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.91	160	96	10.9
	CTE[5]	6/28/99	NA	NA	NA	NA	NA	2.5	NA	150	18	NA	6.91	160	96	10.9
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	238	130	8.1
Starmer Spring	CTE	2/8/99	0.023	0.42	NA	0.2	<0.03	NA	NA	60	4	NA	6.60	121	72	7.5
	PIN	6/28/99	0.06	0.2	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.20	104	62	9.1
	CTE	6/28/99	NA	NA	NA	NA	NA	3.0	NA	110	3	NA	6.20	104	62	9.1
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	111	61	7.8
TA-18 Spring	PIN[5]	6/25/99	0.06	<0.1	NA	<0.5	0.12	NA	NA	NA	NA	NA	5.85	160	NA	10.3
	CTE[5]	6/25/99	NA	NA	NA	NA	NA	3.1	NA	190	4	NA	5.85	160	NA	10.3
		12/10/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.10	201	109	8.2
Threemile Spring (A)	PIN[5]	6/25/99	<0.05	<0.1	NA	<0.5	0.11	NA	NA	NA	NA	NA	6.29	163	NA	9.1
	CTE[5]	6/25/99	NA	NA	NA	NA	NA	2.3	NA	140	2	NA	6.29	163	NA	9.1
Threemile Spring (B)	PIN[5]	6/25/99	0.05	<0.1	NA	<0.5	0.08	NA	NA	NA	NA	NA	6.21	162	NA	9.3
	CTE[5]	6/25/99	NA	NA	NA	NA	NA	2.0	NA	140	3	NA	6.21	162	NA	9.3

Water Canyon Canyon Watershed

Burning Ground Spring	3/24/99	See Additional Table(s)
Martin Spring	3/22/99	See Additional Table(s)
Peter Spring	3/24/99	See Additional Table(s)

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SWSC Spring		3/23/99	See Additional Table(s)													
Water Canyon Gallery Spring	PARA	8/3/99	0.09	<0.5	NA	<2.5	<0.1	NA	NA	NA	NA	NA	6.30	90	NA	12.6
WC-6.25 Spring	PIN	11/17/99	0.11	<0.1	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	146	87	9.5
White Rock Canyon																
Ancho Spring	CTE	5/13/99	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	7.51	125	75	19.9
	PARA	5/13/99	<0.05	0.87	2.5	<2.5	0.14	NA	NA	150	<20	NA	7.51	125	75	19.9
	PIN[5]	5/13/99	0.32	<0.05	NA	NA	<0.2	NA	NA	NA	NA	NA	7.51	125	75	19.9
	PIN	9/21/99	0.03	0.38	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.80	135	NA	20.3
DOE Spring		5/18/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	116	69	13.2
		9/21/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.56	144	NA	17.6
La Mesita Spring		7/19/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.55	280	168	15.1
Otowi Spring		9/20/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	442	267	16.6
Sandia Spring	PARA	8/6/99	0.08	<0.5	NA	<1	<0.1	NA	NA	NA	NA	NA	7.22	241	145	16.8
	PIN	9/20/99	0.34	0.06	NA	0.64	<0.05	NA	NA	NA	NA	NA	7.74	259	156	15.7
Spring 1	PIN	9/20/99	0.03	0.35	NA	<0.5	<0.05	NA	NA	NA	NA	NA	7.64	219	NA	18.4
Spring 3 (collected at river, not source)		9/20/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.25	202	NA	19.9
Spring 3A	PARA	4/9/99	<0.05	0.93	6.0	<2.5	<0.5	NA	NA	170	<20	0.6	7.63	166	NA	19.9
Spring 3AA		9/20/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	171	NA	19.3
Spring 4A	PARA	4/9/99	<0.05	1.2	4.8	<2.5	<0.5	NA	NA	190	<20	NA	7.91	177	NA	20.3
		9/21/99	See Additional Table(s)													
Spring 5	CTE[5]	5/11/99	NA	NA	NA	NA	NA	<1	<0.005	NA	NA	NA	7.62	165	99	20.9
	PARA	5/11/99	<0.05	1.12	3.5	<2.5	0.33	NA	NA	160§	<20§	NA	7.62	165	99	20.9
	PIN[5]	5/11/99	0.30	<0.05	NA	NA	3.3	NA	NA	NA	NA	NA	7.62	165	99	20.9
		9/21/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94	166	100	19.4
Spring 5AA (pooled water at source)		5/11/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	248	149	12.4

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Spring 6	CTE[5]	5/13/99	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	7.67	126	76	19.5
	PARA	5/13/99	<0.05	<0.50	NA	<2.5	<0.1	NA	NA	150	<20	NA	7.67	126	76	19.5
	PIN[5]	5/13/99	0.28	<0.05	NA	NA	<0.4	NA	NA	NA	NA	NA	7.67	126	76	19.5
Spring 6A	PIN	9/21/99	0.03	0.32	NA	<0.5	<0.05	NA	NA	NA	NA	NA	6.22	238	142	20.7
Spring 7	PIN	9/21/99	1.96	0.35	NA	0.89	0.17	NA	NA	NA	NA	NA	6.21	138	83	20.8
Spring 8B		9/22/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.86	134	NA	17.0
Spring 9	PIN	9/22/99	0.11	0.11	NA	1.91	<0.05	NA	NA	NA	NA	NA	7.71	118	71	20.4*
Spring 9A	CTE[5]	5/18/99	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	6.99	114	68	19.9
	PARA	5/18/99	<0.05	<0.5	NA	<2.5	<0.1	NA	NA	120	<20	NA	6.99	114	68	19.9
	PIN[5]	5/18/99	0.17	<0.05	NA	NA	0.9	NA	NA	NA	NA	NA	6.99	114	68	19.9
Other Springs/Misc.																
Sacred Spring (at source)	PARA	7/30/99	0.38	4.2	NA	<2.5	<0.1	NA	NA	NA	NA	NA	6.94	269	160	15.5

CTE - CT&E Environmental Services, Inc.
PARA - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
[5] - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
< - not detected above reporting detection limit or method detection limit
D - Sample diluted when used with a non-detect result and/or compounds identified in an analysis at a secondary dilution factor.
N - Sample diluted when used with a non-detect result and/or compounds identified in an analysis at a secondary dilution factor.
* - Temperature may not represent true ground-water temperature due to low-flow conditions.
TKN - Total kjeldahl nitrogen
TOC - Total organic carbon
CN - Total Cyanide
TDS - Total dissolved solids
TSS - Total suspended solids
SC - Specific conductance
NA - Not analyzed or not applicable
§ - Hold time exceeded
Del 15/14N-NO3 - Nitrogen-isotope data provided by Global Geochemistry Corp.
Note: all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
WELLS														
DEEP AQUIFER														
Monitoring/Test Wells and Boreholes														
DT-5A	PIN		8/11/99	NA	NA	NA	NA	2.2	NA	NA	0.19	<1	53	2.1
	CTE		8/11/99	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA
DT-9	CTE	F	6/2/99	8.7	2.6	0.9	11	1.9	NA	<0.5	<0.5	<10	58	1.7
DT-10	CTE	F	6/3/99	10	3.4	1.3	11	0.8	NA	<0.5	<0.5	<10	68	0.55
R-25 (1407')	PIN	F	1/7/99	13	5.1	1.9	11	8	NA	95	<0.2	<1	61	<10
R-25 (1507')	PIN	F	1/13/99	17	8	5.8	12	14	NA	0.4	<0.2	<1	53	<10
R-25 (1607')	PIN	F	2/3/99	10	3.7	1.7	11	6	NA	<0.1	<0.2	1	320	<10
R-25 (1747')	PIN	F	2/12/99	8.4	3.2	2.4	13	1.8	NA	<0.1	<0.2	<5	55	7.3
R-25 (1940')	PIN	F	2/23/99	13	5.7	2	11	1.5	NA	<0.1	<0.2	<5	55	30
TW-1	PIN	F	5/27/99	42.3	8.33	2	14	40	NA	0.31	0.61	<5	120	26
TW-2	PIN	F	8/11/99	10	2.6	<5	29	2.4	NA	NA	0.47	<5	62	<1
	CTE		8/11/99	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA
TW-3	PIN	F	5/27/99	16.5	5.07	1	12	2.8	NA	0.22	0.68	<5	85	<5
TW-4	PIN	F	5/27/99	9.13	4.98	1	9	1.5	NA	0.25	0.35	<5	65	<5
TW-8	PIN	F	8/3/99	13	4.8	<5	12	NA	NA	NA	NA	NA	NA	NA
	PARA		8/3/99	NA	NA	NA	NA	2.2	NA	<0.2	0.14N	<10	65	2.1
	PIN		12/8/99	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
INTERMEDIATE AQUIFER														
Monitoring/Test Wells and Boreholes														
R-15 (740')	PIN	F	7/22/99	28	6.2	4.8	67	16	NA	<0.1	1.4	<5	140	64
TW-2A	PIN	F	5/27/99	37.3	6.55	2	21	49	NA	0.11	0.32	<5	100	28
PERCHED CANYON-BOTTOM AQUIFER														
Pueblo Canyon														
APCO-1	CTE		3/25/99	NA	NA	NA	NA	45	NA	<0.5	0.6	<10	140	26
	PIN	F	3/25/99	26	6.9	15	61	NA	NA	NA	NA	NA	NA	NA
Los Alamos Canyon														
LAO-0.7	PIN	F	4/8/99	21	4.2	3.6	46	97	NA	NA	NA	NA	NA	<5
LAO-2	PIN		4/7/99	NA	NA	NA	NA	63	NA	NA	NA	NA	NA	<5
LAO-5	CTE		3/25/99	NA	NA	NA	NA	29.2	NA	0.8	0.6	<10	58	11
	PIN	F	3/25/99	11	3.6	3.3	39	NA	NA	NA	NA	NA	NA	NA
Canada del Buey														
CDBO-6	PIN	F	5/17/99	16.1	3.75	2	21	NA	NA	NA	NA	NA	NA	NA
	PARA		5/17/99	NA	NA	NA	NA	19	NA	<0.2	0.17	<10	63	8.7
	PARA		6/30/99	NA	NA	NA	NA	21	NA	<0.2	0.18	NA	NA	9.3
	PARA	F	7/1/99	14	3.2	2.3	19	NA	NA	NA	NA	NA	NA	NA
CDBO-7	PIN	F	10/6/99	17	3.8	NA	20	22	NA	<0.5	0.15	NA	NA	10

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
Mortandad Canyon														
MCO-7.5	CTE		3/26/99	NA	NA	NA	NA	21	NA	<0.5	1.7	<10	170	17
	PIN	F	3/26/99	24	5.9	13	110	NA	NA	NA	NA	NA	NA	NA
MT-4	PIN		12/7/99	NA	NA	NA	NA	NA	280	NA	NA	NA	NA	NA
Pajarito Canyon														
PCO-1	CTE		3/26/99	NA	NA	NA	NA	21	NA	<0.5	<0.5	<10	61	9
SPRINGS														
Los Alamos Canyon Watershed														
LA 5.19 Spring	CTE		3/25/99	NA	NA	NA	NA	51	NA	1.1	0.8	<10	63	13
	PIN	F	3/25/99	13	4	4.4	36	NA	NA	NA	NA	NA	NA	NA
Los Alamos Spring	CTE	F	8/19/99	30	7.1	3.4	16	22	NA	0.6	1.0	<10	87	37
	PIN	F	8/19/99	NA	11	6	23	NA	NA	NA	NA	NA	NA	NA
Pajarito Canyon Watershed														
PC Spring	CTE	T	6/29/99	9.7	3.3	2.7	14	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/29/99	4.8	2.1	1.9	4.1	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/29/99	NA	NA	NA	NA	<2	NA	0.14	<0.2	<1	35	<5
Bulldog Spring	CTE	F	2/8/99	18	4.7	3.3	22	17	NA	NA	<0.3D	<10§	77§	11
(Field Duplicate)	PIN	F	2/8/99	19	5.6	3.4	24	15	NA	1.7	<0.2	<5	70	NA
	CTE	T	6/28/99	16	4.7	2.4	21	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/28/99	15	4.3	3.1	22	NA	NA	NA	NA	NA	NA	NA
(Field Duplicate)	CTE	T	6/28/99	14	4.2	2.4	19	NA	NA	NA	NA	NA	NA	NA
(Field Duplicate)	CTE	F	6/28/99	15	4.4	3.0	22	NA	NA	NA	NA	NA	NA	NA

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
Bulldog Spring (cont.)	PARA		6/28/99	NA	NA	NA	NA	17	NA	<0.2	0.3	<5	72	9.9
	PIN[5]		6/28/99	NA	NA	NA	NA	16	NA	0.2	0.3	<1	71	14
(Field Duplicate)	PIN[5]		6/28/99	NA	NA	NA	NA	16	NA	0.13	0.3	<1	73	15
Charlie's Spring	CTE	F	2/8/99	13	4.1	2.6	14	17	NA	NA	<0.3D	<10§	50§	7
	CTE	T	6/28/99	7.0	2.5	1.8	8.8	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/28/99	7.4	2.6	2.2	9.8	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/28/99	NA	NA	NA	NA	7	NA	0.14	<0.2	<1	44	7
	PIN	F	12/10/99	12	4.0	3.9	12	19	NA	NA	<0.1	<5	40	10
Homestead Spring	CTE	F	2/8/99	7.0	2.3	1.9	6.5	5	NA	NA	<0.5D	<10§	36§	5
	CTE	T	6/28/99	6.5	2.5	1.8	8.8	8	NA	<0.5	0.1	<10	41	9
	CTE	F	6/28/99	6.8	2.6	2.4	10.0	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/28/99	NA	NA	NA	NA	8	NA	<0.1	<0.2	<1	38	8
Kieling Spring	CTE	F	2/8/99	16	4.3	3.4	18	15	NA	NA	<0.3D	<10§	73§	8
	CTE	T	6/28/99	11	3.7	2.1	15	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/28/99	12	3.6	2.8	16	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/28/99	NA	NA	NA	NA	12	NA	0.33	<0.2	<1	58	12
Starmer Spring	CTE	F	2/8/99	9.8	3.2	2.4	10	11	NA	NA	0.6D	<10§	44§	7
	CTE	T	6/28/99	7.0	2.6	1.8	9.4	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/28/99	7.6	2.7	2.5	10	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/28/99	NA	NA	NA	NA	7	NA	<0.1	<0.2	<1	41	7
TA-18 Spring	CTE	T	6/25/99	9.7	3.7	3.3	15	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/25/99	9.2	3.1	3.7	16	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/25/99	NA	NA	NA	NA	18	NA	0.15	<0.2	<1	45	11
Threemile Spring (A)	CTE	T	6/25/99	11	3.8	2.3	16	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/25/99	9.5	3.4	2.8	15	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/25/99	NA	NA	NA	NA	18	NA	0.17	<0.2	<1	38	13
Threemile Spring (B)	CTE	T	6/25/99	9.4	3.4	2.3	14	NA	NA	NA	NA	NA	NA	NA
	CTE	F	6/25/99	9.5	3.4	2.8	15	NA	NA	NA	NA	NA	NA	NA
	PIN[5]		6/25/99	NA	NA	NA	NA	18	NA	0.14	<0.2	<1	45	14

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
Water Canyon Watershed														
Water Canyon Gallery Spring	PARA		8/3/99	NA	NA	NA	NA	0.74	NA	<0.2	<0.1N	<10	41	1.3
	PIN	F	8/3/99	9.4	4.5	<5	7.6	NA	NA	NA	NA	NA	NA	NA
WC-6.25 Spring	PIN	F	11/17/99	10	3.5	4.8	16	13.5	NA	<1	NA	<5	61	2
White Rock Canyon														
Ancho Spring	CTE[5]	T	5/13/99	14	3.4	1.4	12	NA	NA	NA	NA	NA	NA	NA
	PIN	F	5/13/99	13.2	3.09	<1	10	NA	NA	NA	NA	NA	NA	NA
(Field Duplicate)	PARA	F	5/13/99	13	3.1	1.9	9.9	2.5	NA	<0.2	0.3	<10	63	2.8
	PIN	F	9/21/99	13	3.1	<2	10	<5	NA	<0.5	0.47	<2	74	<5
Sandia Spring	PARA		8/6/99	NA	NA	NA	NA	3.7	NA	<0.2	0.59	NA	NA	4.2
	PIN	F	8/6/99	47	3.0	<5	27	NA	NA	NA	NA	NA	NA	NA
	PIN	F	9/20/99	38	2.5	4.1	16	6	NA	<0.5	0.15	<2	130	<5
Spring 1	PIN	F	9/20/99	16	1.2	2.3	30	5	NA	<0.5	0.53	<2	102	7
Spring 3A	PARA	F	4/9/99	20	1.7	2.8	15	3.8	NA	<0.2	0.38	<10	84	4.9
Spring 4A	PARA	F	4/9/99	21	4.7	2.1	12	5.4	NA	<0.2	0.45	<10	87	6.4
Spring 5	CTE[5]	T	5/11/99	17	4.6	1.5	13	NA	NA	NA	NA	NA	NA	NA
	PIN	F	5/11/99	18.8	4.84	1	12	NA	NA	NA	NA	NA	NA	NA
	PARA		5/11/99	NA	NA	NA	NA	4.4	NA	<0.2	0.33	<10	78	4.7
Spring 6	CTE[5]	T	5/13/99	12	3.9	1.6	12	NA	NA	NA	NA	NA	NA	NA
	PIN	F	5/13/99	12.6	3.65	1	10	NA	NA	NA	NA	NA	NA	NA
	PARA		5/13/99	NA	NA	NA	NA	2.4	NA	<0.2	0.28	<10	64	2.4

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Major Ion Chemistry.

STATION ID	Lab		Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	ClO_4 (ug/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)
Spring 6A	PIN	F	9/21/99	21	3.6	3.2	28	6	NA	<0.5	0.61	<2	65	7
Spring 7	PIN	F	9/21/99	17	2.9	2.4	13	<5	NA	<0.5	0.47	NA	NA	NA
Spring 9	PIN	F	9/22/99	10	3.0	<2.0	12	<5	NA	<0.5	2.57	<2	60	<5
Spring 9A	CTE[5]	T	5/18/99	11	3.2	1.2	12	NA	NA	NA	NA	NA	NA	NA
	PIN	F	5/18/99	10.8	3.06	1	11	NA	NA	NA	NA	NA	NA	NA
	PARA		5/18/99	NA	NA	NA	NA	2.1	NA	<0.2	0.38	<10	57	1.9
Other Springs/Misc.														
Sacred Spring (at source)	PIN	F	7/30/99	49	3.0	<5	26	NA	NA	NA	NA	NA	NA	NA
	PARA		7/30/99	NA	NA	NA	NA	4.1	NA	<0.2	0.42N	<10	130	15

CTE - CT&E Environmental Services, Inc.
PARA - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
[5] - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
< - not detected above reporting detection limit or method detection limit.
B - Analyte found in the associated blank as well as in the sample.
NA - Not analyzed or not applicable.
T - Total fraction (non-filtered acidified sample).
F - Filtered sample (dissolved fraction passed through a 0.45 micron filter prior to acidification and analysis).
§ - Hold time exceeded.
Note: all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
WELLS															
DEEP AQUIFER															
Monitoring/Test Wells and Boreholes															
DT-9	CTE	F	6/2/99	NA	0.21B	<0.01	<0.05	0.023	NA	NA	NA	NA	NA	<0.1	NA
DT-10	CTE	F	6/3/99	NA	0.21B	<0.01	<0.05	0.029	NA	NA	NA	NA	NA	<0.1	NA
R-25 (1407' ZONE)	PIN	F	1/7/99	<0.005	0.6	<0.005	0.085	0.022	<0.002	<0.002	<0.005	<0.005	<0.005	3.7	NA
R-25 (1507' ZONE)	PIN	F	1/13/99	<0.005	35	0.006	0.03	0.320	0.003	<0.002	0.086	0.016	0.096	170	NA
R-25 (1607' ZONE)	PIN	F	2/3/99	<0.005	0.31	<0.005	<0.01	0.025	<0.002	<0.002	<0.005	<0.005	<0.005	7.1	NA
R-25 (1747' ZONE)	PIN	F	2/12/99	NA	NA	NA	<0.01	0.025	NA	NA	NA	NA	NA	NA	NA
R-25 (1940' ZONE)	PIN	F	2/23/99	NA	NA	NA	0.01	0.093	NA	NA	NA	NA	NA	NA	NA
TW-1	PIN	F	5/27/99	NA	<0.05	0.1	<0.1	0.07	NA	NA	NA	NA	NA	0.05	NA
TW-2	PIN	F	8/11/99	NA	0.07	<0.003	<0.1	0.02	NA	NA	NA	NA	NA	NA	NA
TW-3	PIN	F	5/27/99	NA	<0.05	<0.1	<0.1	0.03	NA	NA	NA	NA	NA	0.04	NA
TW-4	PIN	F	5/27/99	NA	<0.05	0.1	<0.1	0.04	NA	NA	NA	NA	NA	<0.01	NA
TW-8	PIN	F	8/3/99	NA	<0.05	<0.003	<0.01	<0.02	NA	NA	NA	NA	NA	NA	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
INTERMEDIATE AQUIFER															
Monitoring/Test Wells and Boreholes															
R-15 (740')	PIN	F	7/22/99	NA	12	<0.005	0.034	0.130	NA	<0.002	0.008	NA	NA	7.3	NA
TW-2A	PIN	F	5/27/99	NA	<0.05	<0.1	<0.1	0.05	NA	NA	NA	NA	NA	<0.01	NA
PERCHED CANYON-BOTTOM AQUIFER															
Los Alamos Canyon															
APCO-1	PIN	F	03/25/99	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	0.053	NA
LAO-0.7	PIN	F	04/08/99	NA	0.17	NA	NA	NA	NA	NA	NA	NA	NA	0.073	NA
LAO-5	PIN	F	03/25/99	NA	0.42	NA	NA	NA	NA	NA	NA	NA	NA	0.15	NA
Canada del Buey															
CDBO-6	PIN	F	5/17/99	NA	2.58	NA	<0.1	0.10	NA	NA	NA	NA	NA	1.23	NA
	PARA	F	7/1/99	NA	<0.2	NA	<0.1	<0.1	NA	NA	NA	NA	NA	<0.1	NA
CDBO-7	PIN	F	10/6/99	NA	<0.1	<0.003	<0.05	0.08	NA	<0.0005	NA	NA	NA	0.047	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
Mortandad Canyon															
MCO-7.5	PIN	F	3/26/99	NA	0.09	NA	NA	NA	NA	NA	NA	NA	NA	0.048	NA
SPRINGS															
Los Alamos Canyon Watershed															
LA 5.19 Spring	PIN	F	3/25/99	NA	0.62	NA	NA	NA	NA	NA	NA	NA	NA	0.28	NA
Los Alamos Spring	PIN	F	8/19/99	NA	<0.05	<0.1	<0.1	0.051	NA	<0.005	NA	NA	NA	<0.1	NA
Pajarito Canyon Watershed															
PC Spring	CTE	T	6/29/99	<0.0005	2.8	<0.06M	NA	0.060	<0.006M	<0.001	<0.05	<0.006M	<0.02	1.3	NA
	CTE	F	6/29/99	NA	0.47	NA	<0.05	0.020	NA	NA	NA	NA	<0.02	<0.1	NA
Bulldog Spring	CTE	F	2/8/99	NA	0.3	NA	<0.05	0.070	NA	NA	NA	NA	NA	<0.1	NA
(Field Duplicate)	PIN	F	2/8/99	NA	0.49	NA	<0.01	0.066	NA	NA	NA	NA	NA	0.34	NA
	CTE	T	6/28/99	<0.0005	1.1	<0.01	NA	0.071	<0.007M	<0.007M	<0.05	<0.007M	<0.02	0.4	NA
	CTE	F	6/28/99	NA	0.6	NA	0.42	0.065	NA	NA	NA	NA	<0.02	0.1	NA
(Field Duplicate)	CTE	T	6/28/99	<0.0005	1.0	<0.05M	NA	0.065	<0.005M	<0.005M	<0.05	<0.001	<0.02	0.4	NA
(Field Duplicate)	CTE	F	6/28/99	NA	0.8	NA	0.06	0.067	NA	NA	NA	NA	<0.02	0.2	NA
Charlie's Spring	CTE	F	2/8/99	NA	0.2	NA	<0.05	0.050	NA	NA	NA	NA	NA	<0.1	NA
	PIN	F	12/10/99	NA	2.39	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
	CTE	T	6/28/99	<0.0005	1.2	<0.06M	NA	0.038	<0.006M	<0.001	<0.05	<0.001	<0.02	0.45	NA
	CTE	F	6/28/99	NA	0.6	NA	0.30	0.039	NA	NA	NA	NA	<0.02	<0.1	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
Homestead Spring	CTE	F	2/8/99	NA	0.2	NA	<0.05	0.058	NA	NA	NA	NA	NA	<0.1	NA
	CTE	T	6/28/99	<0.0005	1.0	<0.05M	NA	0.040	<0.005M	<0.001	<0.05	<0.001	<0.02	0.41	NA
	CTE	F	6/28/99	NA	0.8	NA	<0.05	0.039	NA	NA	NA	NA	<0.02	0.19	NA
Kieling Spring	CTE	F	2/8/99	NA	0.2	NA	<0.05	0.058	NA	NA	NA	NA	NA	<0.1	NA
	CTE	T	6/28/99	<0.0005	1.0	<0.01	NA	0.057	<0.007M	<0.001	<0.05	<0.007M	<0.02	0.41	NA
	CTE	F	6/28/99	NA	0.6	NA	0.36	0.055	NA	NA	NA	NA	<0.02	0.13	NA
Starmer Spring	CTE	F	2/8/99	NA	0.2	NA	<0.05	0.041	NA	NA	NA	NA	NA	<0.1	NA
	CTE	T	6/28/99	<0.0005	1.3	<0.05M	NA	0.039	<0.005M	<0.001	<0.05	<0.001	<0.02	0.55	NA
	CTE	F	6/28/99	NA	0.8	NA	<0.05	0.040	NA	NA	NA	NA	<0.02	0.21	NA
TA-18 Spring	CTE	T	6/25/99	<0.0005	7.1	<0.06M	NA	0.100	<0.006M	<0.001	<0.05	<0.001	<0.02	3.8	NA
	CTE	F	6/25/99	NA	1.1	NA	<0.05	0.089	NA	NA	NA	NA	<0.02	0.58	NA
Threemile Spring (A)	CTE	T	6/25/99	<0.0005	2.2	<0.06M	NA	0.048	<0.006M	<0.001	<0.05	<0.001	<0.02	0.71	NA
	CTE	F	6/25/99	NA	0.87	NA	0.07	0.058	NA	NA	NA	NA	<0.02	0.36	NA
Threemile Spring (B)	CTE	T	6/25/99	<0.0005	1.5	<0.04M	NA	0.057	<0.004M	<0.001	<0.05	<0.001	<0.02	0.68	NA
	CTE	F	6/25/99	NA	0.64	NA	<0.05	0.062	NA	NA	NA	NA	<0.02	0.16	NA
Water Canyon Watershed															
Water Canyon Gallery Spring	PIN	F	8/3/99	NA	0.13	<0.003	<0.1	<0.02	NA	NA	NA	NA	NA	NA	NA
WC-6.25 Spring	PIN	F	11/17/99	NA	2.85	NA	0.05	0.153	NA	NA	NA	NA	NA	1.3	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
White Rock Canyon															
Ancho Spring	CTE[5]	T	5/13/99	<0.0005	0.2	<0.01	NA	0.033	<0.001	<0.001	<0.05	<0.001	<0.02	<0.1	<0.0002
	PIN	F	5/13/99	NA	<0.05	NA	<0.1	0.02	NA	NA	NA	NA	NA	0.01	NA
(Field Duplicate)	PARA	F	5/13/99	NA	<0.2	NA	<0.1	<0.1	NA	NA	NA	NA	NA	<0.1	NA
	PIN	F	9/21/99	NA	<0.1	<0.003	<0.05	0.027	NA	NA	NA	NA	NA	<0.04	NA
Sandia Spring	PIN	F	8/6/99	NA	0.068	<0.003	<0.1	0.15	NA	NA	NA	NA	NA	NA	NA
	PIN	F	9/20/99	NA	<0.1	<0.003	<0.05	0.125	NA	NA	NA	NA	NA	<0.04	NA
Spring 1	PIN	F	9/20/99	NA	0.309	0.004	<0.05	0.026	NA	NA	NA	NA	NA	0.094	NA
Spring 3A	PARA	F	4/9/99	NA	<0.2	NA	<0.1	<0.1	NA	NA	NA	NA	NA	<0.1	NA
Spring 4A	PARA	F	4/9/99	NA	<0.2	NA	<0.1	<0.1	NA	NA	NA	NA	NA	<0.1	NA
Spring 5	CTE[5]	T	5/11/99	<0.0005	0.2	<0.01	NA	0.036	<0.001	<0.001	<0.05	<0.001	<0.02	<0.1	<0.0002
	PIN	F	5/11/99	NA	<0.05	NA	<0.1	0.03	NA	NA	NA	NA	NA	<0.01	NA
Spring 6	CTE[5]	T	5/13/99	<0.0005	0.2	<0.01	NA	0.036	<0.001	<0.001	<0.05	<0.001	<0.02	<0.1	<0.0002
	PIN	F	5/13/99	NA	<0.05	NA	<0.1	0.02	NA	NA	NA	NA	NA	0.01	NA
Spring 6A	PIN	F	9/21/99	NA	<0.1	<0.003	<0.05	0.035	NA	NA	NA	NA	NA	<0.04	NA
Spring 7	PIN	F	9/21/99	NA	<0.1	<0.003	<0.05	0.041	NA	NA	NA	NA	NA	<0.04	NA
Spring 9	PIN	F	9/22/99	NA	<0.1	<0.003	<0.05	0.013	NA	NA	NA	NA	NA	<0.04	NA
Spring 9A	CTE[5]	T	5/18/99	<0.0005	0.2	<0.01	NA	0.016	<0.001	<0.001	<0.05	<0.001	<0.02	<0.1	<0.0002
	PIN	F	5/18/99	NA	<0.05	NA	<0.1	<0.02	NA	NA	NA	NA	NA	<0.01	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
Other Springs/Misc.															
Sacred Spring (at source)	PIN	F	7/30/99	NA	<0.05	<0.003	<0.1	0.12	NA	NA	NA	NA	NA	NA	NA

CTE - CT&E Environmental Services, Inc.
PARA - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
[5] - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
< - not detected above reporting detection limit or method detection limit.
B - Analyte found in the associated blank as well as in the sample.
M - Due to the large concentration of analyte in the sample, matrix spike recoveries may not be accurate.
NA - Not analyzed or not applicable.
T - Total fraction (non-filtered acidified sample).
F - Filtered sample (dissolved fraction passed through a 0.45 micron filter prior to acidification and analysis).
Note: all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
WELLS																
DEEP AQUIFER																
Monitoring/Test Wells and Boreholes																
DT-9	CTE	F	6/2/99	NA	0.004	NA	NA	<0.005	NA	NA	28.6	NA	<0.05	NA	NA	NA
	CTE	T	6/2/99	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
DT-10	CTE	F	6/3/99	NA	<0.003	NA	NA	NA	NA	NA	25.6	NA	<0.05	NA	NA	NA
	CTE	T	6/3/99	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
R-15 (740')	PIN	F	7/22/99	0.05	0.30	NA	NA	<0.005	<0.005	<0.005	14.3	NA	0.115	NA	NA	NA
R-25 (1407' ZONE)	PIN	F	1/7/99	<0.05	0.23	0.006	0.007	<0.005	<0.005	<0.005	21.8	<0.01	0.091	<0.01	<0.005	0.046
R-25 (1507' ZONE)	PIN	F	1/13/99	<0.05	1.6	0.064	0.071	0.018	<0.005	<0.005	5.6	<0.01	0.053	0.25	0.02	0.14
R-25 (1607' ZONE)	PIN	F	2/3/99	<0.1	0.24	0.021	0.014	<0.005	<0.005	<0.005	21.0	<0.01	0.057	<0.01	<0.005	0.17
R-25 (1747' ZONE)	PIN	F	2/12/99	NA	0.13	NA	NA	NA	NA	NA	26.1	NA	0.038	NA	NA	NA
R-25 (1940' ZONE)	PIN	F	2/23/99	NA	0.48	NA	NA	NA	NA	NA	24.9	NA	0.055	NA	NA	NA
TW-1	PIN	F	5/27/99	NA	0.024	NA	NA	NA	NA	NA	19.6	NA	0.230	NA	NA	NA
TW-2	PIN	F	8/11/99	NA	NA	NA	NA	NA	NA	NA	2.7	NA	0.044	NA	NA	NA
TW-3	PIN	F	5/27/99	NA	0.015	NA	NA	NA	NA	NA	37.0	NA	0.071	NA	NA	NA
TW-4	PIN	F	5/27/99	NA	0.022	NA	NA	NA	NA	NA	2.9	NA	0.043	NA	NA	NA
TW-8	PIN	F	8/3/99	NA	NA	NA	NA	NA	NA	NA	37	NA	0.056	NA	NA	NA

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
INTERMEDIATE AQUIFER																
Monitoring/Test Wells and Boreholes																
R-15 (740')	PIN	F	7/22/99	0.05	0.30	NA	NA	<0.005	<0.005	<0.005	14.3	NA	0.115	NA	NA	NA
TW-2A	PIN	F	5/27/99	NA	0.122	NA	NA	NA	NA	NA	10.5	NA	0.200	NA	NA	NA
PERCHED CANYON-BOTTOM AQUIFER																
Los Alamos Canyon																
APCO-1	PIN	F	3/25/99	NA	0.26	NA	NA	NA	NA	NA	58.0	NA	0.100	NA	NA	NA
LAO-0.7	PIN	F	4/8/99	NA	0.1	NA	NA	NA	NA	NA	20.8	NA	0.140	NA	NA	NA
LAO-5	PIN	F	3/25/99	NA	<0.005	NA	NA	NA	NA	NA	28.0	NA	0.079	NA	NA	NA
Canada del Buey																
CDBO-6	PIN	F	5/17/99	<0.01	0.007	NA	NA	NA	NA	NA	33.6	NA	0.104	NA	NA	NA
	PARA	F	7/1/99	NA	<0.01	<0.01	NA	NA	NA	NA	25	NA	0.096	NA	NA	NA
CDBO-7	PIN	F	10/6/99	NA	NA	<0.03	NA	<0.002	NA	<0.003	35.4	NA	NA	NA	NA	NA
Mortandad Canyon																
MCO-7.5	PIN	F	3/26/99	NA	<0.005	NA	NA	NA	NA	NA	19.1	NA	0.130	NA	NA	NA

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
SPRINGS																
Los Alamos Canyon Watershed																
LA 5.19 Spring	PIN	F	3/25/99	NA	<0.005	NA	NA	NA	NA	NA	23.9	NA	0.073	NA	NA	NA
Los Alamos Spring	CTE	F	8/19/99	NA	NA	NA	NA	NA	NA	NA	14.5	NA	0.17	NA	NA	NA
	PIN	F	8/19/99	NA	<0.005	NA	NA	NA	NA	NA	18	NA	0.22	NA	NA	NA
Pajarito Canyon Watershed																
PC Spring	CTE	T	6/29/99	NA	0.015	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	CTE	F	6/29/99	<0.005	<0.003	<0.01	NA	NA	NA	NA	14.1	NA	0.05	NA	NA	NA
Bulldog Spring	CTE	F	2/8/99	0.006	<0.003	NA	NA	NA	NA	NA	19.5	NA	0.10	NA	NA	NA
(Field Duplicate)	PIN	F	2/8/99	<0.1	<0.005	NA	NA	NA	NA	NA	17.1	NA	0.11	NA	NA	NA
	CTE	T	6/28/99	NA	0.003	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.1M	<0.01	<0.02
	CTE	F	6/28/99	0.005	<0.003	<0.01	NA	NA	NA	NA	17.7	NA	0.11	NA	NA	NA
(Field Duplicate)	CTE	T	6/28/99	NA	0.003	NA	<0.005	<0.005	<0.05M	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
(Field Duplicate)	CTE	F	6/28/99	0.005	<0.003	<0.01	NA	NA	NA	NA	17.5	NA	0.11	NA	NA	NA
Charlie's Spring	CTE	F	2/8/99	<0.005	<0.003	NA	NA	NA	NA	NA	17.1	NA	0.1	NA	NA	NA
	PIN	F	12/10/99	NA	0.2	NA	NA	NA	NA	NA	19.8	NA	0.057	NA	NA	NA
	CTE	T	6/28/99	NA	0.004	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	0.04
	CTE	F	6/28/99	<0.005	<0.003	<0.01	NA	NA	NA	NA	14.3	NA	0.07	NA	NA	NA
Homestead Spring	CTE	F	2/8/99	<0.005	<0.003	NA	NA	NA	NA	NA	17.1	NA	0.06	NA	NA	NA
	CTE	T	6/28/99	NA	0.005	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	CTE	F	6/28/99	<0.005	<0.003	<0.01	NA	NA	NA	NA	13.6	NA	0.06	NA	NA	NA
Kieling Spring	CTE	F	2/8/99	0.007	<0.003	NA	NA	NA	NA	NA	18.8	NA	0.10	NA	NA	NA

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
Kieling Spring (cont.)	CTE	T	6/28/99	NA	0.007	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	CTE	F	6/28/99	<0.005	<0.003	<0.01	NA	NA	NA	NA	14.3	NA	0.09	NA	NA	NA
Starmer Spring	CTE	F	2/8/99	<0.005	<0.003	NA	NA	NA	NA	NA	16.7	NA	0.07	NA	NA	NA
	CTE	T	6/28/99	NA	0.004	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	0.04
	CTE	F	6/28/99	<0.005	0.009	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TA-18 Spring	CTE	T	6/25/99	NA	0.050	NA	<0.005	<0.005	<0.01	<0.03	NA	NA	NA	<0.02	<0.01	<0.02
	CTE	F	6/25/99	<0.005	0.039	<0.01	NA	NA	NA	NA	13.4	NA	0.07	NA	NA	NA
Threemile Spring (A)	CTE	T	6/25/99	NA	0.004	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	CTE	F	6/25/99	<0.005	0.005	<0.01	NA	NA	NA	NA	12.8	NA	0.08	NA	NA	NA
Threemile Spring (B)	CTE	T	6/25/99	NA	0.005	NA	<0.005	<0.005	<0.01	<0.02	NA	NA	NA	<0.08M	<0.01	<0.02
	CTE	F	6/25/99	<0.005	0.004	<0.01	NA	NA	NA	NA	12.9	NA	0.08	NA	NA	NA
Water Canyon Watershed																
Water Canyon Gallery Spring	PIN	F	8/3/99	NA	NA	NA	NA	NA	NA	NA	29	NA	0.064	NA	NA	NA
WC-6.25 Spring	PIN	F	11/17/99	<1	NA	NA	NA	NA	NA	NA	27	NA	0.07	NA	NA	NA
White Rock Canyon																
Ancho Spring	CTE[5]	T	5/13/99	NA	0.007	NA	<0.005	<0.005	NA	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	PIN	F	5/13/99	0.02	<0.005	NA	NA	NA	NA	NA	35.2	NA	0.058	NA	NA	NA
(Field Duplicate)	PARA	F	5/13/99	0.02	<0.01	NA	NA	NA	NA	NA	33.0M	NA	0.056	NA	NA	NA
	PIN	F	9/21/99	NA	NA	NA	NA	NA	NA	NA	34.7	NA	0.062	NA	NA	NA
Sandia Spring	PIN	F	8/6/99	NA	NA	NA	NA	NA	NA	NA	32	NA	0.46	NA	NA	NA
	PIN	F	9/20/99	NA	NA	NA	NA	NA	NA	NA	20.8	NA	0.350	NA	NA	NA

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals.

STATION ID	Lab	F/T	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
Spring 1	PIN	F	9/20/99	NA	NA	NA	NA	NA	NA	NA	17.5	NA	0.210	NA	NA	NA
Spring 3A	PARA	F	4/9/99	0.021	<0.01	NA	NA	NA	NA	NA	23M	NA	0.22	NA	NA	NA
Spring 4A	PARA	F	4/9/99	0.026	<0.01	NA	NA	NA	NA	NA	32M	NA	0.097	NA	NA	NA
Spring 5	CTE[5]	T	5/11/99	NA	<0.003	NA	<0.005	<0.005	NA	<0.02	NA	NA	NA	<0.04	0.01	<0.02
	PIN	F	5/11/99	0.02	<0.005	NA	NA	NA	NA	NA	33.4	NA	0.087	NA	NA	NA
Spring 6	CTE[5]	T	5/13/99	NA	<0.003	NA	0.008	<0.005	NA	<0.02	NA	NA	NA	<0.02	0.01	<0.02
	PIN	F	5/13/99	0.02	<0.005	NA	NA	NA	NA	NA	36.0	NA	0.058	NA	NA	NA
Spring 6A	PIN	F	9/21/99	NA	NA	NA	NA	NA	NA	NA	29.8	NA	0.140	NA	NA	NA
Spring 7	PIN	F	9/21/99	NA	NA	NA	NA	NA	NA	NA	34.7	NA	0.092	NA	NA	NA
Spring 9	PIN	F	9/22/99	NA	NA	NA	NA	NA	NA	NA	32.4	NA	0.052	NA	NA	NA
Spring 9A	CTE[5]	T	5/18/99	NA	<0.003	NA	<0.005	<0.005	NA	<0.02	NA	NA	NA	<0.02	<0.01	<0.02
	PIN	F	5/18/99	0.02	<0.005	NA	NA	NA	NA	NA	35.7	NA	0.048	NA	NA	NA
Other Springs/Misc.																
Sacred Spring (at source)	PIN	F	7/30/99	NA	NA	NA	NA	NA	NA	NA	29	NA	0.52	NA	NA	NA

CTE - CT&E Environmental Services, Inc.
PARA - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
[5] - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
< - not detected above reporting detection limit or method detection limit.
B - Analyte found in the associated blank as well as in the sample.
M - Due to the large concentration of analyte in the sample, matrix spike recoveries may not be accurate.
† - Serial dilution results suggest possible physical or chemical interference(s).
NA - Not analyzed or not applicable.
T - Total fraction (non-filtered acidified sample).
F - Filtered sample (dissolved fraction passed through a 0.45 micron filter prior to acidification and analysis).
§ - Hold time exceeded.
Note: all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL	Gross Alpha (pCi/L)	UNC/D	Gross Beta (pCi/L)	UNC/DL
WELLS																			
DEEP AQUIFER																			
Monitoring/Test Wells and Boreholes																			
DT-5A	PARA		8/11/99	-0.3	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	8/11/99	NA	-	NA	-	NA	-	0.69	0.47/0.5	-0.29	0.22/0.5	0.56	0.44/0.5	NA	-	NA	-
DT-9	PARA	F	6/2/99	0.03	0.6/0.3	NA	-	NA	-	0.35	0.10/0.061	0.068	0.046/0.061	0.180	0.069/0.020				
DT-10	PARA	F	6/3/99	0.3	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
TW-1	PARA	T	5/27/99	208	26/13	0.20	0.30/0.49	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
TW-2	PARA		8/11/99	8.2	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	8/11/99	NA	-	2.7	1.6/3	NA	-	0.62	0.45/0.5	-0.25	0.21/0.5	0.25	0.37/0.5	NA	-	NA	-
TW-3	PARA	T	5/27/99	0.1	0.6/0.3	-0.06	0.29/0.52	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
TW-4	PARA	T	5/27/99	0.2	0.6/0.3	-0.07	0.29/0.51	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
TW-8	PARA		8/3/99	7.8	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	8/3/99	NA	-	0.66	1.7/2	NA		0.59	0.48/0.6	-0.31	0.26/0.6	0.68	0.68/0.6	-0.75	2.1/4	3.1	2.1/3
	PARA		12/8/99	12.6	0.9/0.4	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
R-15 (1007')	PARA		8/23/99	6	13/6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	8/23/99	NA	-	0.55	1.7/3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
INTERMEDIATE AQUIFER																			
Monitoring/Test Wells and Boreholes																			
R-15 (740')	PARA		7/22/99	4243	281/140	NA	-	NA	-	NA	-	NA		NA	-	NA	-	NA	-
	PIN	T	7/22/99	NA	-	1.4	1.3/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	7/22/99	NA	-	NA	-	NA	-	2.4	0.54/0.33	0	0.4/0.3	2.2	0.54/0.33	NA		NA	
TW-2A	PARA	T	5/27/99	1494	96/48	0.23	0.33/0.54	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL	Gross Alpha (pCi/L)	UNC/D	Gross Beta (pCi/L)	UNC/DL
PERCHED CANYON-BOTTOM AQUIFER																			
Los Alamos Canyon																			
APCO-1	PARA		3/25/99	10	19/10	NA	-	NA	-	NA	-	NA		NA	-	NA	-	NA	-
	PIN	F	3/25/99	NA	-	0.0	0.8/0.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
LAO-0.7	PARA		4/8/99	137	26/13														
	PIN	F	4/8/99			NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
LAO-2	PARA		4/7/99	172	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	4/7/99	NA	-	17.8	1.2/1	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
LAO-5	PARA		3/25/99	93	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	3/25/99	NA	-	0.4	0.8/0.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	3/25/99	NA	-	0.3	0.7/0.8	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Mortandad Canyon																			
MCO-3	PARA		4/16/99	8152	543/271	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA	F	4/16/99	NA	-	16.5	3.0/0.68	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA	T	4/16/99	NA	-	15.5	2.9/0.68	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
MCO-5	PARA	F	4/15/99	35011	2312/1156	40.1	7.3/0.68	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
MCO-7.5	PIN	T	3/25/99	NA	-	0.0	0.8/0.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	3/25/99	NA	-	0.2	0.5/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		3/26/99	13829	913/457	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Canada del Buey																			
CDBO-6	PARA	T	5/17/99	198	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	0.31	0.42/0.72	0.98	0.71/1.2
	PARA		6/30/99	180.1	10.2/5.1	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA	F	7/1/99	NA	-	-0.12	0.29/0.52	NA	-	NA	-	NA	-	NA	-	0.34	0.56/0.96	3.35	0.94/1.4
CDBO-7	PIN	T	10/6/99	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-0.33	1.6/3	0.89	2.2/4

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL	Gross Alpha (pCi/L)	UNC/D	Gross Beta (pCi/L)	UNC/DL
Pajarito Canyon																			
PCO-1	PARA		3/26/99	93	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	3/26/99	NA	-	NA	-	BDL	NP:20	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	3/26/99	NA	-	NA	-	BDL	NP:20	NA	-	NA	-	NA	-	NA	-	NA	-
LOS ALAMOS COUNTY																			
WATER SUPPLY																			
G-1	PARA	T	3/9/99	-0.3	0.7/0.4	BDL	NP:0.16	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
G-1A	PARA	T	3/9/99	0.2	0.6/0.3	BDL	NP:0.16	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
G-2	PARA	T	3/9/99	-0.06	0.6/0.3	BDL	NP:0.15	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
G-6	PARA	T	3/9/99	NA	-	BDL	NP:0.14	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
GR-4	PARA	T	6/9/99	-0.3	0.6/0.3	0.08	0.38/0.66	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
O-1	PARA	T	6/9/99	39.9	2.6/1.3	-0.11	0.41/0.75	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Lab Duplicate)	PARA		6/9/99	40.6	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Field Duplicate)	PARA		6/9/99	41.2	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
O-4	PARA	T	3/9/99	0.3	0.6/0.3	BDL	NP:0.14	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
PM-1	PARA	T	3/9/99	2.1	0.6/0.3	1.14	0.23/0.15	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Lab Duplicate)	PARA		3/9/99	1.8	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Lab Duplicate)	PARA		3/9/99	1.2	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
PM-2	PARA	T	3/9/99	-0.3	0.6/0.3	0.19	0.11/0.16	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
PM-3	PARA	T	3/9/99	-0.1	0.6/0.3	BDL	NP:0.14	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
PM-4	PARA		3/26/99	-0.03	0.6/0.3														
	PARA	T	6/9/99	0.2	0.6/0.3	0.30	0.41/0.67	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
PM-5	PARA	T	3/9/99	0.1	0.6/0.3	BDL	NP:0.15	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL	Gross Alpha (pCi/L)	UNC/D	Gross Beta (pCi/L)	UNC/DL
SAN ILDEFONSO PUEBLO																			
WATER SUPPLY																			
Eastside Artesian	PARA	T	7/21/99	NA	-	NA	-	BDL	NP/0.1	NA	-	NA	-	NA	-	NA	-	NA	-
New Community Well	PARA	T	7/20/99	8.6	0.8/0.4	NA	-	23.1	3.1/0.1	NA	-	NA	-	NA	-	NA	-	NA	-
Pajarito Pump 1	PARA	T	7/20/99	NA	-	NA	-	10.5	1.4/1	NA	-	NA	-	NA	-	NA	-	NA	-
Sanchez House	PARA	T	7/22/99	13.4	0.9/0.5	-0.18	0.34/0.61	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
LA-5	PARA	T	7/22/99	-0.2	0.6/0.3	0.21	0.35/0.57	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
SPRINGS																			
Los Alamos Canyon Watershed																			
Basalt Spring	PARA	F	7/19/99	54	26/13	0.41	0.38/0.61	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Los Alamos Spring	PARA		8/19/99	0.5	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	8/19/99	NA	-	-0.04	0.1.3/2	NA	-	0.60	0.53/0.6	-0.20	0.24/0.6	0.16	0.40/0.6	2.5	2.1/3	2.1	2.2/4
LA 5.19 Spring	PARA	F	3/25/99	105	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	3/25/99	NA	-	0.1	0.8/0.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Pajarito Canyon Watershed																			
PC Spring	PARA		6/29/99	40.6	2.6/1.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/29/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/29/99	NA	-	NA	-	NA	-	BDL	0.1/0.2	BDL	0.1/0.2	BDL	0.1/0.2	0.1	0.3/0.5	2.7	0.5/0.7
Bulldog Spring	PARA		2/8/99	118	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Field Duplicate)	PARA		2/8/99	102	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		6/28/99	94.2	6.4/3.2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
(Field Duplicate)	PARA		6/28/99	86.5	5.7/2.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL	Gross Alpha (pCi/L)	UNC/D	Gross Beta (pCi/L)	UNC/DL
Bulldog Spring (cont.)	PIN[5]	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
(Field Duplicate)	PIN[5]	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/28/99	NA	-	NA	-	NA	-	0.3	0.2/0.2	0.1	0.1/0.2	0.3	0.2/0.2	0.5	0.6/1.0	4.0	0.6/0.9
(Field Duplicate)	CTE[5]	T	6/28/99	NA	-	NA	-	NA	-	0.1	0.1/0.2	BDL	0.1/0.2	0.2	0.2/0.2	0.6	0.7/1.0	4.4	0.6/0.9
	PARA		12/10/99	107.9	7.0/3.5	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Charlie's Spring	PARA		2/8/99	61	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		6/28/99	48.5	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/28/99	NA	-	NA	-	NA	-	0.1	0.2/0.3	0.1	0.1/0.2	0.2	0.2/0.2	BDL	0.4/0.7	2.3	0.5/0.9
	PARA		12/10/99	49.2	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Homestead Spring	PARA		2/8/99	42	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		6/28/99	48.2	3.8/1.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE	T	6/28/99	NA	-	NA	-	NA	-	0.2	0.2/0.2	BDL	0.1/0.2	0.2	0.2/0.2	0.2	0.4/0.7	2.9	0.5/0.9
	PARA		12/10/99	36.7	2.6/1.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Kieling Spring	PARA		2/8/99	45	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		6/28/99	84.9	5.7/2.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/28/99	NA	-	NA	-	NA	-	BDL	0.1/0.2	0.1	0.1/0.2	BDL	0.1/0.2	1.0	0.6/1.0	5.6	0.7/1.0
	PARA		12/10/99	115.3	7.7/3.8	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Starmer Spring	PARA		2/8/99	61	26/13	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		6/28/99	50.4	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	T	6/28/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE	T	6/28/99	NA	-	NA	-	NA	-	BDL	0.1/0.2	BDL	0.1/0.2	0.1	0.1/0.2	0.3	0.4/0.7	2.9	0.6/0.9
	PARA		12/10/99	42.8	2.6/1.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
TA-18 Spring	PARA		6/25/99	89.4	5.7/2.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/25/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/25/99	NA	-	NA	-	NA	-	0.3	0.2/0.2	BDL	0.1/0.2	BDL	0.1/0.2	1.2	0.7/1.0	5.9	0.8/1.2
	PARA		12/10/99	58.1	3.8/1.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Threemile Spring (A)	PARA		6/25/99	78.2	5.1/2.6	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/25/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/25/99	NA	-	NA	-	NA	-	0.1	0.2/0.2	BDL	0.1/0.2	BDL	0.1/0.2	0.2	0.5/0.8	3.3	0.6/0.9

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	H3 UNC/DL	90Sr (pCi/L)	90Sr UNC/DL	U (ug/L)	U UNC/DL	234U (pCi/L)	234U UNC/DL	235U (pCi/L)	235U UNC/DL	238U (pCi/L)	238U UNC/DL	Gross Alpha (pCi/L)	Gross Alpha UNC/D	Gross Beta (pCi/L)	Gross Beta UNC/DL
Threemile Spring (B)	PARA		6/25/99	77.3	5.1/2.6	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN[5]	T	6/25/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	6/25/99	NA	-	NA	-	NA	-	0.1	0.2/0.2	BDL	0.1/0.2	BDL	0.1/0.2	0.2	0.5/0.8	3.6	0.6/0.9
Water Canyon Watershed																			
Burning Ground Spring	PARA		3/24/99	103.8	7.7/3.8	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Martin Spring	PARA		3/22/99	117.5	8.9/4.5	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Peter Spring	PARA		3/24/99	172.7	12.8/6.4	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
SWSC Spring	PARA		3/23/99	108.6	7.7/3.8	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Water Canyon Gallery Spring	PARA		8/3/99	10.1	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	8/3/99	NA	-	NA	-	NA	-	0.43	0.39/0.5	-0.24	0.20/0.5	0.4	0.39/0.5	-0.97	1.5/3	0.92	2.0/3
WC-6.25 Spring	PARA		11/17/99	61.6	3.8/1.9	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
White Rock Canyon																			
Ancho Spring	PIN[5]	T	5/13/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	5/13/99	NA	-	BDL	0.4/1.0	NA	-	0.1	0.2/0.1	BDL	0.1/0.1	0.1	0.1/0.1	0.2	0.6/1.0	2.3	0.5/0.8
	PARA		5/13/99	0.5	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PARA		9/21/99	4.0	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	9/21/99	NA	-	0.07	1.3/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
La Mesita Spring	PARA	T	7/19/99	0.1	0.6/0.3	NA	-	11.1	1.5/0.1	NA	-	NA	-	NA	-	NA	-	NA	-
Sandia Spring	PARA	F	8/6/99	0.9	0.6/0.3	BDL	NP/0.52	NA	-	0.50	0.12/0.05	0.04	0.03/0.02	0.25	0.08/0.04	0.5	1.7/3.1	1.8	2.2/3.8
	PARA		9/20/99	1.8	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	9/20/99	NA	-	-0.48	1.4/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 1	PARA		9/20/99	-0.2	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	9/20/99	NA	-	-0.78	1.3/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 3A	PARA		4/9/99	1.2	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides.

STATION ID	Lab	F/T	Date	H3 (pCi/L)	H3 UNC/DL	90Sr (pCi/L)	90Sr UNC/DL	U (ug/L)	U UNC/DL	234U (pCi/L)	234U UNC/DL	235U (pCi/L)	235U UNC/DL	238U (pCi/L)	238U UNC/DL	Gross Alpha (pCi/L)	Gross Alpha UNC/D	Gross Beta (pCi/L)	Gross Beta UNC/DL
Spring 4A	PARA		4/9/99	0.9	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 5	PIN[5]	T	5/11/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	5/11/99	NA	-	BDL	0.4/1.0	NA	-	0.5	0.3/0.1	0.1	0.1/0.1	0.1	0.2/0.1	1.9	0.8/1.2	5.7	0.6/0.9
	PARA		5/11/99	0.3	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 6	PIN[5]	T	5/13/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	5/13/99	NA	-	BDL	0.4/1.0	NA	-	0.3	0.2/0.1	BDL	0.1/0.1	0.1	0.1/0.1	4.2	0.8/1.2	2.9	0.5/0.8
	PARA		5/13/99	1.2	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 6A	PARA		9/21/99	2.8	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	9/21/99	NA	-	-0.7	1.4/3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 7	PARA		9/21/99	0.9	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 9	PARA		9/22/99	0.4	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
	PIN	F	9/22/99	NA	-	1.9	1.3/2	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 9A	PIN[5]	T	5/18/99	NA	-	NA	-	BDL	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
	CTE[5]	T	5/18/99	NA	-	BDL	0.4/1.0	NA	-	0.2	0.2/0.1	0.1	0.1/0.1	0.2	0.2/0.1	BDL	0.6/1.0	1.4	0.5/0.8
	PARA		5/18/99	0.4	0.6/0.3	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Other Springs/Misc.																			
Sacred Spring (at source)	PIN	F	7/30/99	NA	-	1.1	1.6/2	NA	-	1.7	0.62/0.5	-0.25	0.24/0.5	1.3	0.56/0.5	-0.28	2.3/4	2.8	2.2/3

CTE - CT&E Environmental Services, Inc.

PARA - Paragon Analytics, Inc.

PIN - Pinnacle Laboratories, Inc.

[5] - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.

UNC-Uncertanties (2 Sigma).

NA - Not analyzed or not available.

BLD-Below detection limit.

T - Total fraction (non-filtered acidified sample).

F - Filtered sample (dissolved fraction passed through a 0.45 micron filter prior to acidification and analysis).

Tritium results provided by the University of Miami, Tritium Laboratory; all tritium samples were submitted as non-filtered and non-acidified.

Note: all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

WELLS

SAMPLE ID:	DT-9	PIN	DT-10	PIN	PM-2	PIN	PM-4 (Zone 1)	PIN
SAMPLING DATE:	6/2/99		6/3/99		3/9/99		3/26/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL	0.9	BDL	0.9	BDL	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL	0.1	BDL	0.1	BDL	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	0.2
TETRYL	BDL	0.6	BDL	0.6	BDL	0.6	BDL	0.6
NITROBENZENE (NB)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
NITROGLYCERIN	BDL	6	BDL	6	BDL	6	BDL	6
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL	6	BDL	6	BDL	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL	0.6	BDL	0.6	BDL	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
p-NITROTOLUENE (4-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time.**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

WELLS

SAMPLE ID:	PM-4 (Zone 3)	PIN	PM-5	PIN	R-25 (1407')	PIN	R-25 (1407')	PARA
SAMPLING DATE:	3/29/99		3/9/99		1/7/99		1/7/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL	0.4	1.9	0.4	4	1.3
4-AMINO-2,6-DNT	BDL	0.9	BDL	0.9	BDL	0.9	8.8	1.3
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL	0.2	BDL	0.2	9.6	5
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL	0.2	11	0.2	58	4.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL	0.1	BDL	0.1	BDL	1.3
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	1.3
TETRYL	BDL	0.6	BDL	0.6	BDL	0.6	BDL	5
NITROBENZENE (NB)	BDL	0.4	BDL	0.4	0.84	0.4	BDL	5
NITROGLYCERIN	BDL	6	BDL	6	BDL	6	BDL	5
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL	6	BDL	6	BDL	5
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL	0.6	BDL	0.6	BDL	1.3
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	1.3
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	1.3
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	5
p-NITROTOLUENE (4-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	5
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	5

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

WELLS

SAMPLE ID:	R-25 (1507')	PIN	R-25 (1507')	PARA	R-25 (1607')	PARA	R-25 (1607')	PIN
SAMPLING DATE:	1/13/99		1/13/99		2/3/99		2/3/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	0.57	0.4	BDL	0.25	0.61	0.25	BDL	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL	0.25	1.8	0.25	BDL	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL	1	1.9	1	2.1	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	4.2	0.2	5.9	0.84	13	0.84	11	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL	0.26	BDL	0.26	BDL	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL	0.25	BDL	0.25	BDL	0.2
TETRYL	BDL	0.6	BDL	1	BDL	1	BDL	0.6
NITROBENZENE (NB)	BDL	0.4	BDL	1	BDL	1	BDL	0.4
NITROGLYCERIN	BDL	6	BDL	5	NA	-	BDL	6
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL	5	NA	-	BDL	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL	0.25	0.35	0.25	0.63	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL	0.25	BDL	0.25	BDL	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL	0.25	BDL	0.25	BDL	0.4
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL	1	BDL	1	3.5	0.4
p-NITROTOLUENE (4-NT)	4.9	0.4	BDL	1	BDL	1	BDL	0.4
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL	1	BDL	1	BDL	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
1 - Sample receive at contract laboratory at 7° Celsius.
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

WELLS

SAMPLE ID:	R-25 (1747')	PARA	R-25 (1747')	PIN	R-25 (1940')	PIN	R-25 (1942')	PIN
SAMPLING DATE:	2/12/99		2/12/99 (Field Duplicate)		2/23/99		2/26/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.25	BDL	0.4	BDL*	0.4	0.6*	0.4
4-AMINO-2,6-DNT	BDL	0.25	BDL	0.9	BDL*	0.9	BDL*	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	1	BDL	0.2	BDL*	0.2	BDL*	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.84	0.4	0.2	0.8*	0.2	4.1*	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.26	BDL	0.1	BDL*	0.1	BDL*	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.25	BDL	0.2	BDL*	0.2	BDL*	0.2
TETRYL	BDL	1	BDL	0.6	BDL*	0.6	BDL*	0.6
NITROBENZENE (NB)	BDL	1	BDL	0.4	BDL*	0.4	BDL*	0.4
NITROGLYCERIN	NA	-	BDL	6	BDL*	6	BDL*	6
PENTAERYTHRITOL TETRANITRITE	NA	-	BDL	6	BDL*	6	BDL*	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.25	BDL	0.6	BDL*	0.6	BDL*	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.25	BDL	0.4	BDL*	0.4	BDL*	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.25	BDL	0.4	BDL*	0.4	BDL*	0.4
o-NITROTOLUENE (2-NT)	BDL	1	BDL	0.4	BDL*	0.4	BDL*	0.4
p-NITROTOLUENE (4-NT)	BDL	1	BDL	0.4	BDL*	0.4	BDL*	0.4
m-NITROTOLUENE (3-NT)	BDL	1	BDL	0.4	BDL*	0.4	BDL*	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

Pajarito Canyon Watershed

SAMPLE ID:	PC Spring	PIN[5]	Bulldog Spring	PIN	Bulldog Spring	PARA	Bulldog Spring	PIN[5]	Bulldog Spring	PIN[5]
SAMPLING DATE:	6/29/99		2/8/99		6/28/99		6/28/99 (Field Duplicate)		6/28/99 (Blind Duplicate)	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL*	0.4	BDL	0.4	BDL*	0.25	BDL*	0.4	BDL*	0.4
4-AMINO-2,6-DNT	BDL*	0.9	BDL	0.9	BDL*	0.25	BDL*	0.9	BDL*	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL*	0.2	BDL	0.2	1.2*	1	1.1*	0.2	0.8	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL*	0.2	2.9	0.2	2.3*	0.84	2.3*	0.2	1.6	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL*	0.1	BDL	0.1	BDL*	0.26	BDL*	0.1	BDL*	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL*	0.2	BDL	0.2	BDL*	0.25	BDL*	0.2	BDL*	0.2
TETRYL	BDL*	0.6	BDL	0.6	BDL*	1	BDL*	0.6	BDL*	0.6
NITROBENZENE (NB)	BDL*	0.4	BDL	0.4	BDL*	1	BDL*	0.4	BDL*	0.4
NITROGLYCERIN	NA	-	BDL	6	NA	-	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	BDL*	6	BDL	6	NA	-	BDL*	6	BDL*	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL*	0.6	BDL	0.6	BDL*	0.25	BDL*	0.6	BDL*	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL*	0.4	BDL	0.4	BDL*	0.25	BDL*	0.4	BDL*	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL*	0.4	BDL	0.4	BDL*	0.25	BDL*	0.4	BDL*	0.4
o-NITROTOLUENE (2-NT)	BDL*	0.4	BDL	0.4	BDL*	1	BDL*	0.4	BDL*	0.4
p-NITROTOLUENE (4-NT)	BDL*	0.4	BDL	0.4	BDL*	1	BDL*	0.4	BDL*	0.4
m-NITROTOLUENE (3-NT)	BDL*	0.4	BDL	0.4	BDL*	1	BDL*	0.4	BDL*	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

Pajarito Canyon Watershed (cont.)

SAMPLE ID: / SAMPLING DATE:	Charlie's Spring 2/8/99 PIN		Charlie's Spring 6/28/99 PIN[5]		Homestead Spring 2/8/99 PIN		Homestead Spring 6/28/99 PIN	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL*	0.9	BDL	0.9	BDL*	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL*	0.1	BDL	0.1	BDL*	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
TETRYL	BDL	0.6	BDL*	0.6	BDL	0.6	BDL*	0.6
NITROBENZENE (NB)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
NITROGLYCERIN	BDL	6	NA	-	BDL	6	NA	-
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL*	6	BDL	6	BDL*	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL*	0.6	BDL	0.6	BDL*	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
p-NITROTOLUENE (4-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

Pajarito Canyon Watershed (cont.)

SAMPLE ID:	Kieling Spring	PIN	Kieling Spring	PIN[5]	Starmer Spring	PIN	Starmer Spring	PIN[5]
SAMPLING DATE:	2/8/99		6/28/99		2/8/99		6/28/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	0.54	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL*	0.9	BDL	0.9	BDL*	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	5.7	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL*	0.1	BDL	0.1	BDL*	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL*	0.2
TETRYL	BDL	0.6	BDL*	0.6	BDL	0.6	BDL*	0.6
NITROBENZENE (NB)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
NITROGLYCERIN	BDL	6	BDL*	6	BDL	6	NA	-
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL*	6	BDL	6	BDL*	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL*	0.6	BDL	0.6	BDL*	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
p-NITROTOLUENE (4-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL*	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

	Pajarito Canyon Watershed (cont.)						Water Canyon Watershed	
SAMPLE ID:	TA-18 Spring	PIN[5]	Threemile Spring (A)	PIN[5]	Threemile Spring (B)	PIN[5]	WC-6.25 Spring	PIN
SAMPLING DATE:	6/25/99		6/25/99		6/25/99		11/17/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL	0.9	BDL	0.9	BDL	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	0.24	0.2	0.58	0.2	0.65	0.2	0.18 J	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL	0.1	BDL	0.1	BDL	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL	0.2	BDL	0.2	BDL	0.2
TETRYL	BDL	0.6	BDL	0.6	BDL	0.6	BDL	0.6
NITROBENZENE (NB)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
NITROGLYCERIN	NA	-	NA	-	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	BDL	6	BDL	6	BDL	6	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL	0.6	BDL	0.6	BDL	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
o-NITROTOLUENE (2-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
p-NITROTOLUENE (4-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4
m-NITROTOLUENE (3-NT)	BDL	0.4	BDL	0.4	BDL	0.4	BDL	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

White Rock Canyon

SAMPLE ID:	Ancho Spring	PIN	Ancho Spring	PIN[5]	DOE Spring	PIN	Spring 4A	PIN
SAMPLING DATE:	9/21/99		5/13/99		9/21/99		9/21/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL*	0.9	BDL	0.9	BDL	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL*	0.1	BDL	0.1	BDL	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
TETRYL	BDL	0.6	BDL*	0.6	BDL	0.6	BDL	0.6
NITROBENZENE (NB)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
NITROGLYCERIN	NA	-	BDL*	6	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	NA	-	BDL*	6	NA	-	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL*	0.6	BDL	0.6	BDL	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
o-NITROTOLUENE (2-NT)	BDL	0.2	BDL*	0.4	BDL	0.2	BDL	0.2
p-NITROTOLUENE (4-NT)	BDL	0.3	BDL*	0.4	BDL	0.3	BDL	0.3
m-NITROTOLUENE (3-NT)	BDL	0.2	BDL*	0.4	BDL	0.2	BDL	0.2

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

White Rock Canyon (cont.)

SAMPLE ID:	Spring 5	PIN	Spring 6	PIN[5]	Spring 6A	PIN	Spring 8B	PIN
SAMPLING DATE:	9/21/99		5/13/99		9/21/99		9/22/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL*	0.9	BDL	0.9	BDL	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	BDL	0.1	BDL*	0.1	BDL	0.1	BDL	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL*	0.2	BDL	0.2	BDL	0.2
TETRYL	BDL	0.6	BDL*	0.6	BDL	0.6	BDL	0.6
NITROBENZENE (NB)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
NITROGLYCERIN	NA	-	BDL*	6	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	NA	-	BDL*	6	NA	-	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL*	0.6	BDL	0.6	BDL	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL*	0.4	BDL	0.4	BDL	0.4
o-NITROTOLUENE (2-NT)	BDL	0.2	BDL*	0.4	BDL	0.2	BDL	0.2
p-NITROTOLUENE (4-NT)	BDL	0.3	BDL*	0.4	BDL	0.3	BDL	0.3
m-NITROTOLUENE (3-NT)	BDL	0.2	BDL*	0.4	BDL	0.2	BDL	0.2

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 6 (cont.) - NMED DOE Oversight Bureau Ground-Water Results: High Explosive Compounds.

SPRINGS

White Rock Canyon (cont.)

SAMPLE ID:	Spring 9	PIN	Spring 9A	PIN[5]
SAMPLING DATE:	9/22/99		5/18/99	
	RESULT (µg/L)	DL	RESULT (µg/L)	DL
2-AMINO-4,6-DNT	BDL	0.4	BDL*	0.4
4-AMINO-2,6-DNT	BDL	0.9	BDL*	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	BDL	0.2	BDL*	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	BDL	0.2	BDL*	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	0.075J	0.1	BDL*	0.1
1,3-DINITROBENZENE (1,3-DNB)	BDL	0.2	BDL*	0.2
TETRYL	BDL	0.6	BDL*	0.6
NITROBENZENE (NB)	BDL	0.4	BDL*	0.4
NITROGLYCERIN	NA	-	BDL*	6
PENTAERYTHRITOL TETRANITRITE	NA	-	BDL*	6
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	BDL	0.6	BDL*	0.6
2,4-DINITROTOLUENE(2,4-DNT)	BDL	0.4	BDL*	0.4
2,6-DINITROTOLUENE(2,6-DNT)	BDL	0.4	BDL*	0.4
o-NITROTOLUENE (2-NT)	BDL	0.2	BDL*	0.4
p-NITROTOLUENE (4-NT)	BDL	0.3	BDL*	0.4
m-NITROTOLUENE (3-NT)	BDL	0.2	BDL*	0.4

J - Analyte detected below quantitation limits.
2 - Paragon Laboratory
3 - CT&E Laboratory
4 - Pinnacle Laboratory
5 - Samples collected in conjunction with HRMB, and all associated analytical data supplied by HRMB.
Method Used: Modified 8330
B - Analyte found in blank
BDL - Below method detection limits
DL - Detection limit (ug/L)
*** - Sample out of hold time**
Unless noted otherwise, all samples were received by the contract laboratory at 4° +/-2° Celsius.

Table 7 - NMED DOE Oversight Bureau Ground-Water Quality Results: Volatile Organic Compounds.

SAMPLE ID: Bulldog Spring
SAMPLING DATE: 2/8/99

PARAMETER	UNITS ug/L	DL
ACETONE	ND	10
ACROLEIN	ND	5
ACRYLONITRILE	ND	5
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
n-BUTYLBENZENE	ND	1
sec-BUTYLBENZENE	ND	1
tert-BUTYLBENZENE	ND	1
tert-BUTYL METHYL ETHER (MTBE)	NA	-
CARBON DISULFIDE	ND	1
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLORODIBROMOMETHANE	NA	-
CHLOROETHANE	ND	1
2-CHLOROETHYL VINYL ETHER	ND	10
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMOETHANE (EDB)	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE (EDC)	ND	1
1,1-DICHLOROETHENE	ND	1
CIS--1,2-DICHLOROETHENE	ND	1
TRANS--1,2-DICHLOROETHENE	ND	1
TRANS--1,4-DICHLORO-2-BUTENE	ND	1
1,1-DICHLOROPROPENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1
CIS--1,3-DICHLOROPROPENE	ND	1

PARAMETER	ug/L	DL
2,2-DICHLOROPROPANE	ND	1
2,2-DICHLOROPROPENE	NA	-
TRANS--1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
IDOMETHANE	ND	1
ISOPROPYL BENZENE	ND	1
p-ISOPROPYLTOLUENE	ND	1
METHYL-t-BUTYL ETHER	ND	1
4-METHYL-2-PENTANONE	ND	10
1-METHYLNAPHTHALENE	NA	-
2-METHYLNAPHTHALENE	NA	-
4-ISOPROPYLTOLUENE	NA	-
METHYLENE CHLORIDE	ND	1
NAPHTHALENE	ND	1
n-PROPYLBENZENE	ND	1
PROPYLBENZENE	NA	-
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE	ND	1
TETRAHYDROFURAN (THF)	NA	-
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
TRICHLOROTRIFLUOROETHANE	ND	1
1,1,2-TRICHLORO-2,2,1-TRIFLUOROETHAN	NA	-
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL ACETATE	ND	1
VINYL CHLORIDE	ND	1
o-XYLENE	ND	1
p- & m-XYLENE	ND	1
TOTAL XYLENES	NA	-

DL- Detection Limit.

NA - Not analyzed or not applicable.

ND - Not detected.

Method: EPA 8260

Analytical Laboratory: Pinnacle Laboratories, Inc.