APPENDIX 7-17

SEEP AND SPRING FLOW RATE AND TEMPERATURE MEASUREMENTS

Results of flow conditions and temperature measurements for the period of June 1985 through OCT./NOV. 1990 seep and [illegible] surveys in the coal leases and adjacent areas.

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV 1990 Flow (gpm)	OCT./NOV 1990 Temp (C)
SP-1	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-2	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-3	4	17.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-4	6	10.0	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-5	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-6	5	4.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-7	10	10.0	Dry	–	–	–	–	–	Dry	–	4	6.0	(c)	–
SP-8	20	3.5	Dry	–	–	–	–	–	Dry	–	5	4.0	(c)	–
SP-9	Seep	(a)	Dry	–	–	–	–	–	Dry	–	5	4.0	(c)	–
Sp-10	40	10.0	Seep	(a)	–	–	–	–	Dry	–	5	3.0	(c)	–
Sp-11	Seep	(a)	Dry	–	–	–	–	–	Dry	–	1	10.0	(c)	–
SP-12	15	3.0	Seep	(a)	–	–	–	–	Dry	–	5	3.0	(c)	–
Sp-13	3	7.0	Dry	–	–	–	–	–	Seep	(a)	3	6.0	(c)	–
SP-14	25	5.5	1	6.0	–	–	–	–	1.0	6.0	10	4.0	(c)	–
SP-14a	–	–	–	–	–	–	–	–	–	–	1.5	4.0	(c)	–
SP-14b	–	–	–	–	–	–	–	–	–	–	1.5	4.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-15	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-16	1	14.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-17	2	10.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-18	10	7.0	2	3	–	–	–	–	–	–	–	–	–	–
SP-19	5	6.5	1	3.5	–	–	–	–	–	–	–	–	–	–
SP-20	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-21	2	13.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-22	4	3.5	1	3.5										
SP-23	5	6.0	2	3.5										
SP-24	2	6.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-25	<1	10.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-26	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-27	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-28	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-29	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-30	1	16.5	<1	4.0	–	–	–	–	–	–	–	–	–	–
SP-31	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-32	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	C 1987 Flow (gpm)	C 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-33	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-34	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-35	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-36	2	16.0	1	4.0	–	–	–	–	–	–	–	–	–	–
SP-37	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-38	<1	9.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-39	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-40	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-41	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-42	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-43	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-44	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-45	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-46	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-47	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-47a	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SP-48	SEEP	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-48a	–	–	–	–	–	–	–	–	–	–	2	6.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-48b	–	–	–	–	–	–	–	–	–	–	1.5	6.0	(c)	–
SP-49	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-50	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-51	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-52	1	12.0	1	7.0	–	–	–	–	<<1	6.7	<1	11.0	Dry	–
SP-53	8	5.5	5	5.0	–	–	–	–	Dry	–	<1	6.0	4.0	5.0
SP-54	15	5.5	5	5.5	–	–	–	–	<<1	2.2	2	5.0	Dry	–
SP-55	10	5.5	10	5.5	–	–	–	–	Seep	(a)	5	6.0	Dry	–
SP-56	15	5.5	15	6.5	–	–	–	–	Seep	(a)	5	6.0	Dry	–
SP-57	6	5.5	4.5	4.5	–	–	–	–	Dry	–	Seep	(a)	(b)	–
SP-58	10	5.0	5	9.0	–	–	–	–	4	5.6	20	5.0	6.0	5.0
SP-59	1	7.0	1	5.0	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-60	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-61	15	2.0	1	9.0	–	–	–	–	Dry	–	3	4.0	(c)	–
SP-62	Seep	(a)	Dry	–	–	–	–	–	Dry	(a)	Seep	(a)	(c)	–
SP-63	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-64	10	3.0	Dry	–	–	–	–	–	Dry	–	2	5.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-65	15	5.0	<1	3.5	–	–	–	–	–	–	–	–	–	–
SP-66	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-67	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-68	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-69	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-70	15	3.5	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-71	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-72	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-73	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-74	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-75	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-76	1	10.0	1	5.0	–	–	–	–	–	–	–	–	–	–
SP-77	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-78	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-79	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-80	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP1-1	–	–	–	–	<<1	2.9	3	7.0	Seep	(a)	<1	7.0	Seep	8

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-2	–	–	–	–	2	4.0	Dry	–	Dry	–	2.5	9.0	(b)	–
SP1-2a	–	–	–	–	5	4.0	1	7.0	<<1	2.9	3	3.0	Seep	1.0
SP1-3	–	–	–	–	<1	2.0	<1	2.0	<<1	2.8	3	3.0	(b)	2.0
SP1-4	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	3.0	Dry	–
SP1-5	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	4.0	Dry	–
SP1-6	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	4.0	Seep	(a)
SP1-7	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	7.0	Seep	(a)
SP1-8	–	–	–	–	<<1	11.0	Dry	–	<<1	5.6	1	10.0	Seep	6.0
SP1-9	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	1.5	4.0	Seep	8.0
SP1-10	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	2	4.0	(c)	–
SP1-10a	–	–	–	–	–	–	–	–	(b)	–	Dry	–	(c)	–
SP1-10b	–	–	–	–	–	–	–	–	–	–	4	–	4	(c)
SP1-11	–	–	–	–	3	4.0	Dry	–	(b)	–	5	4.0	Dry	–
SP1-12	–	–	–	–	Seep	(a)	Seep	(a)	<<1	3.3	10	5.0	Dry	–
SP1-13	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	3	6.0	Seep	(a)
SP1-13a	–	–	–	–	–	–	–	–	–	–	2	5.0	5	6.0
SP1-13b	–	–	–	–	–	–	–	–	–	–	5	3.0	1	5.0

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-14	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	10	4.0	Seep	(a)
SP1-15	–	–	–	–	<<1	5.0	Dry	–	<<1	2.2	10	6.0	Dry	–
SP1-16	–	–	–	–	<<1	11.0	Dry	–	Dry	–	20	5.0	0.25	5.0
SP1-16a	–	–	–	–	–	–	–	–	–	–	15	5.0	Seep	5.0
SP1-17	–	–	–	–	10	5.0	2	4.0	Dry	–	40	5.0	Dry	–
SP1-17a	–	–	–	–	–	–	–	–	–	–	10	5.0	Dry	–
SP1-18	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	50	5.0	Seep	(a)
SP1-19	–	–	–	–	<<1	6.0	Dry	–	Dry	–	30	4.0	0.25	5.0
SP1-20	–	–	–	–	<1	4.0	<1	8.0	(b)	–	10	4.0	0.25	5.0
SP1-21	–	–	–	–	<1	4.0	Dry	–	(b)	–	15	4.0	Seep	(a)
SP1-21a	–	–	–	–	–	–	–	–	–	–	10	6.0	Seep	(a)
SP1-21b	–	–	–	–	–	–	–	–	–	–	5	4.0	Dry	–
SP1-22	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	5	4.0	Dry	–
SP1-23	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	7	5.0	Seep	(a)
SP1-24	–	–	–	–	<1	5.0	Seep	(a)	<<1	3.3	5	5.0	Seep	5.5
SP1-25	–	–	–	–	3	3.6	3	7.0	<<1	4.4	3	4.0	1.0	4.0
SP1-26	–	–	–	–	2	3.7	2	7.0	<1	4.4	3	3.0	0.5	4.0

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-27	–	–	–	–	<1	2.8	Dry	–	<<1	5.0	2	2.0	0.5	3.0
SP1-28	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	Seep	(a)	(c)	–
SP1-29	–	–	–	–	<<1	3.0	Dry	–	Seep	(a)	2	4.0	(b)	–
SP1-29a	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP1-29b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP1-30	–	–	–	–	<1	3.1	Dry	–	<<1	6.8	10.5	4.0	(c)	–
SP1-30a	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(c)	–
SP1-30b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(c)	–
SP1-31	–	–	–	–	<1	3.3	Dry	–	Seep	(a)	5	7.0	(c)	–
SP1-32	–	–	–	–	Seep	(a)	Seep	(a)	–	–	5	4.0	(c)	–
SP1-32a	–	–	–	–	–	–	–	–	–	–	10	4.0	Dry	–
SP1-33	–	–	–	–	Seep	(a)	<1	7.0	<1	5.5	2	16.0	3.0	7.0
SP1-34	–	–	–	–	<<1	4.0	15	8.0	<<1	10.8	8	14.0	Seep	(a)
SP1-35	–	–	–	–	1	11.0	4	7.0	<<1	14.5	15	6.0	0.5	7.0
SP1-36	–	–	–	–	<<1	4.0	3	8.0	<<1	9.3	3	7.0	1.0	7.0
SP1-37	–	–	–	–	Seep	(a)	4	5.0	<<1	5.6	2	15.0	2.0	7.0
SP1-37a	–	–	–	–	<1	4.2	3	7.0	<1	6.5	1	16.0	Seep	(a)

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-38	–	–	–	–	<<1	4.2	2	7.0	<<1	7.4	6	7.0	Seep	(a)
SP1-39	–	–	–	–	<1	4.1	3	7.0	<<1	9.0	4	10.0	Seep	(a)
SP1-40	–	–	–	–	<<1	4.4	10	7.0	<1	6.8	1	12.0	0.5	0.5
SP1-40a	–	–	–	–	Seep	(a)	5	7.0	<<1	5.4	5	13.0	–	–
SP1-41	–	–	–	–	Seep	(a)	2	7.0	Dry	–	Seep	(a)	Seep	(a)
SP1-41a	–	–	–	–	–	–	–	–	–	–	–	–	0.5	9.0
SP1-42	–	–	–	–	1	3.3	<1	10.0	Dry	_	1	8.0	Seep	(a)
SP1-43	–	–	–	–	<1	3.3	1	7.0	Dry	–	10	7.0	Seep	(a)
SP1-44	–	–	–	–	3	12.0	5	7.0	Dry	–	2	14.0	3.0	7.0
SP1-45	–	–	–	–	–	–	–	–	<<1	6.1	5	11.0	2.0	7.0
SP1-46	–	–	–	–	–	–	–	–	<<1	9.0	7	15.0	2.0	12.0
SP1-47	–	–	–	–	–	–	–	–	<<1	6.8	4	11.0	0.5	9.0
SP1-48	–	–	–	–	–	–	–	–	<<1	4.1	1.5	4.0	Seep	(a)
SP1-49	–	–	–	–	–	–	–	–	Seep	(a)	5	5.0	(c)	–
SP1-50	–	–	–	–	–	–	–	–	Seep	(a)	2.5	6.0	(c)	–
SP1-51	–	–	–	–	–	–	–	–	<<1	7.9	5	4.0	(c)	–
SP1-52	–	–	–	–	–	–	–	–	Seep	(a)	10	4.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-53	–	–	–	–	–	–	–	–	<<1	7.5	1	6.0	Seep	2.0
SP1-53a	–	–	–	–	–	–	–	–	–	–	<1	10.0	(c)	–
SP1-54	–	–	–	–	–	–	–	–	<<1	4.9	Seep	(a)	(c)	–
SP2-1	–	–	–	–	4	5.0	Dry	–	1.5	10.0	10	7.0	Seep	(a)
SP2-2	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	15	7.0	Dry	–
SP2-2a	–	–	–	–	–	–	–	–	–	–	5	13.0	0.5	4.0
SP2-3	–	–	–	–	5	14.0	Dry	–	<<1	5.5	1	8.0	Seep	(a)
SP2-4	–	–	–	–	10	6.0	Dry	–	Dry	–	6	9.0	Dry	–
SP2-5	–	–	–	–	2	5.0	Dry	–	Dry	–	<1	4.0	Dry	–
SP2-6	–	–	–	–	5	5.0	Dry	–	Dry	–	3	7.0	Seep	(a)
SP2-7	–	–	–	–	4	6.0	Dry	–	Dry	–	<1	15.0	Dry	–
SP2-8	–	–	–	–	Seep	(a)	Dry	–	Dry	–	1	12.0	1.0	6.0
SP2-9	–	–	–	–	5	5.0	1	4.0	<<1	4.4	2	4.0	Seep	5.5
SP2-10	–	–	–	–	2	6.0	Dry	–	Dry	–	Dry	–	Dry	–
SP2-11	–	–	–	–	<<1	6.0	Dry	–	Dry	–	1	6.0	Dry	–
SP2-12	–	–	–	–	Seep	(a)	Dry	–	Dry	–	<1	6.0	Dry	–
SP2-15	–	–	–	–	2	8.0	Dry	–	Dry	–	2	9.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-16	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Dry	–	(c)	–
SP2-17	–	–	–	–	<<1	7.0	(c)	(c)	Dry	(c)	(c)	(c)	(c)	–
SP2-18	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-19	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-20	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-21	–	–	–	–	7	5.0	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-22	–	–	–	–	1	5.0	(c)	(c)	Dry	–	4	7.0	(c)	–
SP2-22a	–	–	–	–	–	–	–	–	–	–	5	3.0	(c)	–
SP2-23	–	–	–	–	5	5.0	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-24	–	–	–	–	5	3.5	Seep	(a)	Dry	–	10	4.0	1.0	4.5
SP2-24a	–	–	–	–	–	–	–	–	Seep	(a)	5	5.0	Dry	–
SP2-24b	–	–	–	–	–	–	–	–	–	–	2	5.0	Dry	–
SP2-25	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	Seep	(a)	Dry	–
SP2-26	–	–	–	–	Seep	(a)	Dry	–	Dry	–	1	6.0	(b)	–
SP2-27	–	–	–	–	4	3.0	1	4.0	<<1	4.4	3	4.0	(b)	–
SP2-28	–	–	–	–	2	4.0	<1	4.0	<<1	3.8	2.5	5.0	Seep	(7.0)
SP2-29	–	–	–	–	2	4.0	Dry	–	Seep	(a)	2	9.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-30	–	–	–	–	1	4.0	<<1	4.0	<1	1.1	<1	5.0	(c)	–
SP2-30a	–	–	–	–	–	–	–	–	–	–	<1	5.0	(c)	–
SP2-31	–	–	–	–	2	6.0	Seep	(a)	Seep	(a)	5	4.0	(b)	–
SP2-32	–	–	–	–	2	4.0	<1	4.0	Seep	(a)	5	10.0	(b)	–
SP2-32a	–	–	–	–	–	–	–	–	–	–	1	5.0	(b)	–
SP2-32b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP2-33	–	–	–	–	2	4.0	Dry	–	Seep	(a)	Seep	(a)	(b)	–
SP2-33a	–	–	–	–	4	4.0	1	5.0	<<1	2.2	15	5.0	0.5	4.0
SP2-34	–	–	–	–	2	6.0	Dry	–	Dry	–	7	6.0	(b)	–
SP2-35	–	–	–	–	5	6.0	<1	5.0	<<1	5.6	15	5.0	(c)	–
SP2-36	–	–	–	–	Seep	(a)	Dry	–	Dry	_	5	15.0	(c)	–
SP2-36a	–	–	–	–	–	–	–	–	–	–	1	8.0	(c)	–
SP2-36b	–	–	–	–	–	–	–	–	–	–	3	4.0	(c)	–
SP2-37	–	–	–	–	6	5.0	Dry	–	<<1	8.9	5	15.0	(c)	–
SP2-38	–	–	–	–	5	4.0	Dry	–	Seep	(a)	10	6.0	(c)	–
SP2-39	–	–	–	–	4	6.0	Dry	–	Dry	–	Dry	–	(c)	–
SP2-40	–	–	–	–	3	5.0	Dry	–	Dry	–	Dry	–	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-40a	–	–	–	–	–	–	–	–	–	–	7	5.0	(c)	–
SP2-40b	–	–	–	–	–	–	–	–	–	–	<1	5.0	(c)	–
SP2-41	–	–	–	–	3	6.0	Seep	(a)	Seep	(a)	1	6.0	(c)	–
SP2-42	–	–	–	–	–	–	–	–	<<1	3.1	5	4.0	0.25	3.0
SP2-43	–	–	–	–	–	–	–	–	Seep	(a)	1	5.0	0.5	6.0
SP2-43a	–	–	–	–	–	–	–	–	–	–	3	7.0	0.5	8.0
SP2-44	–	–	–	–	–	–	–	–	Seep	(a)	1	5.0	(b)	–
SP2-44a	–	–	–	–	–	–	–	–	–	–	<1	5.0	(b)	–
SP2-44b	–	–	–	–	–	–	–	–	–	–	1	5.0	(b)	–

(a) Insufficient water to sample
(b) Frozen
(c) Inaccessible due to weather and ground conditions

Results of flow conditions and temperature measurements for the 1991 seep and spring surveys in the coal leases and adjacent areas.

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP-7	DRY	a	DRY	a
SP-8	20	2	2	3
SP-9	SEEP	4	0.5	4
SP-10	SEEP	5	1	4
SP-11	2.5	4	0.1	5
SP-12	SEEP	5	c	c
SP-13	SEEP	6	0.1	6
SP-14	1.5	6	0.1	5
SP-14a	2	5	c	c
SP-14b	DRY	a	c	c
SP-43	DRY	a	DRY	a
SP-44	DRY	a	DRY	a
SP-45	DRY	a	DRY	a
SP-46	DRY	a	DRY	a
SP-47	DRY	a	DRY	a
SP-47a	2	5	0.1	6
SP-48	DRY	a	DRY	a
SP-48a	DRY	a	DRY	a
SP-48b	DRY	a	DRY	a
SP-49	SEEP	a	DRY	a
SP-50	2.5	6	DRY	a
SP-51	DRY	a	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP-52	0.25	5	0.5	6
SP-53	DRY	a	DRY	a
SP-54	3	4	5	4
SP-55	8	4	SEEP	a
SP-56	3	4	1	7
SP-57	DRY	a	DRY	a
SP-57a	1	4	c	c
SP-58	15	4	5	5
SP-59	DRY	a	DRY	a
SP-60	DRY	a	c	c
SP-61	DRY	a	c	c
SP-62	DRY	a	c	c
SP-63	0.75	2	c	c
SP-64	0.5	2	c	c
SP1-1	0.5	9	DRY	a
SP1-2	0.5	5	b	b
SP1-2a	7	2	1	2
SP1-2b	2	3	DRY	a
SP1-3	0.5	5	b	b
SP1-3a	0.5	3	DRY	a
SP1-4	5	6	2	5
SP1-4a	1	12	SEEP	a
SP1-4b	–	–	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1–5	SEEP	a	0.25	8
SP1–6	15	5	1.5	5
SP1–7	0.25	5	0.5	8
SP1–8	15	3	DRY	a
SP1–9	7	3	1	7
SP1–10	DRY	a	0.5	2
SP1–10a	DRY	a	0.5	7
SP1–10b	25	3	DRY	a
SP1–11	0.5	4	1	4
SP1–12	30	3	b	b
SP1–13	SEEP	a	SEEP	a
SP1–13a	SEEP	a	c	c
SP1–13b	5	4	c	c
SP1–14	DRY	a	DRY	a
SP1–15	30	4	DRY	a
SP1–16	10	4	DRY	a
SP1–16a	5	3	DRY	a
SP1–17	0.5	5	0.5	4
SP1–17a	SEEP	a	15	1
SP1–18	7	3	DRY	a
SP1–18a	–	–	3	5
SP1–19	10	4	DRY	a
SP1–20	5	4	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-21	1	4	DRY	a
SP1-21a	2	3	DRY	a
SP1-21b	2	4	DRY	a
SP1-22	SEEP	a	1	4
SP1-23	5	4	0.25	4
SP1-24	2.5	4	0.5	5
SP1-25	10	2	1	4
SP1-26	10	2	0.5	4
SP1-27	4	2	0.5	4
SP1-28	8	8	c	c
SP1-28a	5	5	DRY	a
SP1-28b	3	5	0.25	7
SP1-28c	–	–	3	6
SP1-29	1	2	DRY	a
SP1-29a	SEEP	a	DRY	a
SP1-29b	SEEP	a	DRY	a
SP1-30	c	c	c	c
SP1-30a	10	3	SEEP	a
SP1-30b	<<1	5	SEEP	a
SP1-31	10	4	1	3
SP1-31a	4	3	c	c
SP1-32	–	–	DRY	a
SP1-32a	–	–	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-33	<<1	4	SEEP	0
SP1-34	1	5	0.5	3
SP1-35	5	7	1	2
SP1-36	<<1	7	1	0
SP1-37	<<1	7	7	5
SP1-37a	<<1	6	3	4
SP1-38	<<1	10	7	3
SP1-38a	1	6	DRY	a
SP1-39	1	4	4	7
SP1-40	2	11	0.5	6
SP1-40a	1	11	5	3
SP1-41	1	11	0.5	6
SP1-41a	6	4	SEEP	0
SP1-42	3	5	1	3
SP1-42a	–	–	SEEP	3
SP1-43	4	7	DRY	a
SP1-43a	–	–	SEEP	6
SP1-44	4	4	0.25	6
SP1-45	<<1	9	SEEP	6
SP1-45a	1	4	DRY	a
SP1-46	1.5	10	SEEP	3
SP1-47	0.5	4	SEEP	3
SP1-48	4	2	SEEP	2

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-48a	15	4	DRY	a
SP1-49	15	3	DRY	a
SP1-49a	2	3	DRY	a
SP1-50	6	5	SEEP	a
SP1-50a	7	3	DRY	a
SP1-51	5	3	DRY	a
SP1-51a	14	2	SEEP	a
SP1-51b	2	2	DRY	a
SP1-51c	–	–	SEEP	a
SP1-52	15	2	1	3
SP1-53	DRY	a	3	1
SP1-53a	DRY	a	DRY	a
SP1-54	DRY	a	DRY	a
SP1-55	5	4	c	c
SP2-1	8	7	3	5
SP2-2	<1	5	2	4
SP2-2a	20	2	2	4
SP2-3	8	5	3	5
SP2-3a	–	–	0.5	5
SP2-3b	–	–	SEEP	a
SP2-4	13	4	SEEP	a
SP2-5	1	7	DRY	a
SP2-6	7	4	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-7	DRY	a	DRY	a
SP2-8	3	11	SEEP	7
SP2-9	3	4	b	b
SP2-9a	0.5	5	DRY	a
SP2-10	c	c	DRY	a
SP2-11	10	4	DRY	a
SP2-12	SEEP	a	SEEP	a
SP2-13	3	4	SEEP	a
SP2-14	1	5	1	1
SP2-15	1	5	0.5	4
SP2-15a	SEEP	4	DRY	a
SP2-15b	SEEP	5	DRY	a
SP2-16	0.5	5	SEEP	b
SP2-17	2	6	<0.25	4
SP2-18	2.5	3	SEEP	a
SP2-19	SEEP	3	SEEP	a
SP2-20	SEEP	15	DRY	a
SP2-21	DRY	a	DRY	a
SP2-21a	–	–	5	4
SP2-21b	–	–	0.25	3
SP2-22	30	3	DRY	a
SP2-22a	SEEP	5	DRY	a
SP2-23	DRY	a	0.5	2

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-24	<1	4	0.25	3
SP2-24a	SEEP	a	DRY	a
SP2-24b	SEEP	a	DRY	a
SP2-25	DRY	a	2	4
SP2-26	0.25	4	0.05	11
SP2-27	5	3	3	3
SP2-28	1	4	<1	4
SP2-29	1	2	1	4
SP2-30	2	3	<1	4
SP2-30a	5	3	<1	5
SP2-31	1	3	DRY	a
SP2-32	7	4	2	5
SP2-32a	1.5	3	DRY	a
SP2-32b	DRY	a	DRY	a
SP2-33	5	3	<1	4
SP2-33a	15	4	c	c
SP2-34	5	4	0.5	7
SP2-34a	0.5	4	DRY	a
SP2-35	4	3	0.5	5
SP2-36	5	3	DRY	a
SP2-36a	1.5	3	0.5	4
SP2-36bw	2	2	0.25	8
SP2-36bm	–	–	0.5	5

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-36be	–	–	1	5
SP2-37	7	2	1	5
SP2-37a	–	–	0.25	5
SP2-38	3	5	c	c
SP2-38a	<1	4	DRY	a
SP2-38b	1	4	<1	5
SP2-38c	SEEP	a	DRY	a
SP2-39	c	c	c	c
SP2-40	c	c	c	c
SP2-40a	c	c	c	c
SP2-40b	c	c	DRY	a
SP2-40c	0.5	3	c	c
SP2-40d	15	3	c	c
SP2-40e	1	4	c	c
SP2-41	c	c	c	c
SP2-42	15	2	<1	4
SP2-43	5	3	DRY	a
SP2-43a	0.75	3	0.5	6
SP2-44	2	3	1	5
SP2-44a	10	4	DRY	a
SP2-44a2	SEEP	a	DRY	a
SP2-44a3	0.5	4	DRY	a
SP2-44a4	1	4	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2–44b	0.5	4	c	c
SP3–2	–	–	SEEP	a
SP3–3	–	–	0.5	7
SP3–4	–	–	SEEP	6
SP3–5	–	–	SEEP	a
SP3–6	–	–	SEEP	2
SP3–7	–	–	1	6
SP3–8	–	–	0.5	6
SP3–9	–	–	0.25	5
SP3–10	–	–	2	2
SP3–11	–	–	0.5	c
SP3–12	–	–	0.25	5
SP3–13	–	–	5	5
SP3–14	–	–	3	6
SP3–15	–	–	SEEP	3
SP3–16	–	–	SEEP	6
SP3–17	–	–	SEEP	a
SP5–1	–	–	SEEP	a
SP5–2	–	–	6	5
SP5–3	–	–	5	4
SP5–4	–	–	4	3
SP5–5	–	–	0.5	5
SP6–1	–	–	3	5

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP6–2	–	–	1	5
SP6–3	–	–	5	2
SP6–4	–	–	1	6
SP6–5	–	–	0.1	1
SP6–6	–	–	SEEP	5
SP6–7	–	–	SEEP	4
SP6–8	–	–	0.1	0
SP6–9	–	–	0.1	2
SP6–10	–	–	0.1	3
SP6–11	–	–	SEEP	3
SP6–12	–	–	1	1
SP6–13	–	–	2	2
SP6–14	–	–	SEEP	7
SP6–15	–	–	SEEP	7
SP6–16	–	–	SEEP	7

(a) Insufficient water to sample
(b) Frozen
(c) Inaccessible due to ground and weather conditions

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP1-21	214	d
SP1-21a	274	d
SP1-21b	265	d
SP1-22	a	311
SP1-23	297	313
SP1-24	295	a
SP1-25	130	332
SP1-26	310	308
SP1-27	473	438
SP1-28	390	c
SP1-28a	308	d
SP1-28b	269	492
SP1-28c	–	412
SP1-29	694	d
SP1-29a	a	d
SP1-29b	a	d
SP1-30	c	c
SP1-30a	394	a
SP1-30b	a	a
SP1-31	361	560
SP1-31a	350	c
SP1-32	–	d
SP1-32a	–	466

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP1-33	1770	415
SP1-34	1890	601
SP1-35	1870	390
SP1-36	1810	482
SP1-37	1770	401
SP1-37a	a	609
SP1-38	1830	427
SP1-38a	12500	d
SP1-39	1870	398
SP1-40	1710	499
SP1-40a	1650	417
SP1-41	d	406
SP1-41a	1680	403
SP1-42	1680	426
SP1-42a	–	a
SP1-43	420	d
SP1-44	1680	510
SP1-45	1860	461
SP1-45a	1760	a
SP1-46	1590	651
SP1-47	1690	398
SP1-48	354	a
SP1-48a	310	d

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP1-49	342	d
SP1-49a	317	d
SP1-50	320	a
SP1-50a	354	d
SP1-51	322	d
SP1-51a	348	382
SP1-51b	325	d
SP1-51c	–	a
SP1-52	372	418
SP1-53	d	198
SP1-53a	d	d
SP1-54	d	d
SP1-55	427	c
SP2-1	1650	420
SP2-2	1770	450
SP2-2a	391	486
SP2-3	1670	530
SP2-3a	–	a
SP2-3b	–	a
SP2-4	1660	a
SP2-5	1910	d
SP2-6	1680	a
SP2-7	d	d

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP2-8	1570	341
SP2-9	560	b
SP2-9a	260	d
SP2-10	225	d
SP2-11	226	d
SP2-12	a	a
SP2-13	153	a
SP2-14	286	a
SP2-15	178	a
SP2-15a	a	d
SP2-15b	a	d
SP2-16	a	a
SP2-17	164	a
SP2-18	211	a
SP2-19	a	a
SP2-20	a	d
SP2-21	d	d
SP2-21a	–	a
SP2-21b	–	a
SP2-22	347	d
SP2-22a	a	d
SP2-23	d	a
SP2-24	295	413

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP2-24a	d	d
SP2-24b	d	d
SP2-25	d	750
SP2-26	446	a
SP2-27	401	482
SP2-28	460	490
SP2-29	474	527
SP2-30	439	514
SP2-30a	491	528
SP2-31	524	d
SP2-32	495	525
SP2-32a	476	d
SP2-32b	d	d
SP2-33	513	508
SP2-33a	513	c
SP2-34	249	451
SP2-34a	221	d
SP2-35	249	443
SP2-36	389	d
SP2-36a	271	361
SP2-36bw	319	417
SP2-36bm	–	466
SP2-36be	–	420

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP2-37	263	343
SP2-37a	–	434
SP2-38	310	d
SP2-38a	297	d
SP2-38b	260	a
SP2-38c	a	d
SP2-39	c	c
SP2-40	c	c
SP2-40a	c	c
SP2-40b	c	d
SP2-40c	a	c
SP2-40d	421	c
SP2-40e	a	c
SP2-41	c	c
SP2-42	368	371
SP2-43	421	d
SP2-43a	414	437
SP2-44	467	530
SP2-44a	453	d
SP2-44a2	a	d
SP2-44a3	570	d
SP2-44a4	518	d
SP2-44b	507	c

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP3–2	–	a
SP3–3	–	a
SP3–4	–	a
SP3–5	–	a
SP3–6	–	a
SP3–7	–	420
SP3–8	–	410
SP3–9	–	a
SP3–10	–	c
SP3–11	–	c
SP3–12	–	a
SP3–13	–	500
SP3–14	–	470
SP3–15	–	a
SP3–16	–	a
SP3–17	–	a
SP5–1	–	468
SP5–2	–	460
SP5–3	–	465
SP5–4	–	400
SP5–5	–	430
SP6–1	–	400
SP6–2	–	410

Field Number	JUNE 91 Specific Cond.	OCT/NOV 91 Specific Cond.
SP6–3	–	340
SP6–4	–	480
SP6–5	–	a
SP6–6	–	a
SP6–7	–	a
SP6–8	–	a
SP6–9	–	a
SP6–10	–	320
SP6–11	–	250
SP6–12	–	490
SP6–13	–	260
SP6–14	–	425
SP6–15	–	280
SP6–16	–	415

(a) Insufficient water to sample.
(b) Frozen.
(c) Inaccessible due to weather and ground conditions.
(d) Dry.

1992 FLOW AND TEMPERATURE MEASUREMENTS COLLECTED DURING SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP1-1	SEEP	a
SP1-2	SEEP	a
SP1-4a	SEEP	8
SP1-4a(1)	SEEP	a
SP1-4b(1)	SEEP	a
SP1-4c	SEEP	a
SP1-13c	<1/8	10
SP1-33	DRY	a
SP1-34	DRY	a
SP1-35	SEEP	a
SP1-36	SEEP	a
SP1-37	DRY	a
SP1-37a	SEEP	a
SP1-37b	SEEP	a
SP1-38	SEEP	a
SP1-38a	SEEP	a
SP1-39	SEEP	a
SP1-40	1 1/2	16
SP1-40a	1/2	13
SP1-41	SEEP	a
SP1-41a	SEEP	a

1992 FLOW AND TEMPERATURE MEASUREMENTS COLLECTED DURING SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP1-42	1/4	8
SP1-42a	SEEP	a
SP1-43	SEEP	a
SP1-43a	DRY	a
SP1-44	SEEP	a
SP1-45	SEEP	a
SP1-45a	SEEP	a
SP1-46	SEEP	a
SP1-47	SEEP	a
SP2-1	3	15
SP2-2	5	11
SP2-2a	DRY	a
SP2-3	2	7
SP2-3a	DRY	a
SP2-3b	2	8
SP2-4	DRY	a
SP2-5	SEEP	a
SP2-6	SEEP	a
SP2-7	SEEP	a
SP2-8	DRY	a
SP2-18	DRY	a
SP2-19	1/2	6

1992 FLOW AND TEMPERATURE MEASUREMENTS COLLECTED DURING SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP2-20	1	6
SP2-21	2	7
SP2-21a	DRY	a
SP2-21b	DRY	a
SP2-22	1	4
SP2-22a	1/2	5
SP2-23	1	5
SP3-2	DRY	a
SP3-3	DRY	a
SP3-4	SEEP	8
SP3-5	SEEP	a
SP3-6	SEEP	a
SP3-7	1/2	6
SP3-8	<1/8	15
SP3-9	DRY	a
SP3-10	1/8	8
SP3-10a	SEEP	a
SP3-10b	DRY	a
SP3-11	1/8	13
SP3-12	SEEP	a
SP3-13	<1/8	4
SP3-13a	3	2

1992 FLOW AND TEMPERATURE MEASUREMENTS COLLECTED DURING SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP3-13b	SEEP	a
SP3-16	SEEP	a
SP3-16a	SEEP	a
SP3-16b	1/4	10
SP5-1	SEEP	2
SP5-1a	SEEP	a
SP6-1	<1/8	5
SP6-2	1	3
SP6-3	SEEP	6
SP6-3a	7	6
SP6-4	DRY	a
SP6-5	SEEP	a
SP6-9	DRY	a
SP6-10	DRY	a
SP6-11	1/2	13
SP6-11a	SEEP	a

1992 FLOW AND TEMPERATURE MEASUREMENTS COLLECTED DURING SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP6-11b	SEEP	a
SP6-12	4	6
SP6-13	SEEP	a
SP6-13a	DRY	a
SP6-13b	1	7
SP6-13c	SEEP	a
SP6-13d	SEEP	a
SP6-14	DRY	a
SP6-15	SEEP	a
SP6-15a	<1/8	7
SP6-15b	4	6
SP6-16	DRY	a
SP7-1	SEEP	a
SP7-2	SEEP	a
SP7-3	<1/8	8

(a) Insufficient water to sample
(b) Frozen
(c) Inaccessible due to ground/weather conditions