TABLE 4A.--WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

LEA COUNTY

LOCATION T.	LOCATION R.	DATE OF COLLECTION	DEPTH FROM	DEPTH TO	FORMATION	SAMPLING METHOD	SILICA (SIO2) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM + POTASSIUM AS NA (MG/L)	BICARBONATE + CARBONATE (MG/L)	SULFATE (SO4) (MG/L)	HYDROGEN SULFIDE (H2S) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DENSITY OF WATER AT 20C (GM/ML)	DISSOLVED SOLIDS (SUM) (MG/L)	(CA+MG)/(NA+K)	SPECIFIC CONDUCTANCE (UMHOS AT 25C)	SPECIFIC CONDUCTANCE CALC (UMHOS AT 18C)	RESISTIVITY MEAS. (OHM-M)	AT DEG.C	RESISTIVITY CALC. (OHM-M AT 18C)	PH	REMARKS
16	36	03-25-61	13,112-	13,147	201ELBG	DT	-	-	1,400.	270.	9,600. *	733.	1,400.	-	17,000.			1.025	30,000. *	.217	-	38,900.	-		.257	6.8	M
19	37	00-00-60	10,873-	10,931	201ELBG	DT	-	11.	11,000.	340.	49,000. *	176.	770.	-	95,000.			1.101	160,000. *	.269	-	155,000.	.077	14.0	.065	6.7	M
20	38	07-27-49	7,800-		201ELBG		-	MD	-	-	76,000. *	-	-	0.0	120,000.			1.124 *	-	-	-	-	-		-	5.9	
21	37	02-21-56	8,081-	8,197	201ELBG		-	-	18,000.	2,200.	43,000. *	305.	480.	-	100,000.			1.118	170,000. *	.581	-	158,000.	-		.063	6.6	
21	37	07-20-57	8,128-		201ELBG	DT	-	-	7,100.	1,300.	33,000. *	122.	1,700.	-	67,000.			1.089	110,000. *	.318	-	119,000.	7.200	27.0	.084	5.9	
21	37	00-00-00	-		201ELBG	PG	-	-	9,800.	1,400.	36,000. *	-	1,100.	-	76,000.			1.088	-	.389	-	-	.069	27.0	-	6.2	
21	37	09-04-55	8,000-	8,189	201ELBG	WM	-	-	9,200.	2,100.	33,000.	122.	1,000.	-	73,000.			1.089	120,000. *	.438	-	126,000.	.069	27.0	.079	5.7	
21	37	09-04-55	-		201ELBG	PG	-	PS	9,400.	1,100.	36,000. *	153.	1,100.	-	75,000.			1.087	120,000. *	.353	-	130,000.	.067	27.0	.077	6.5	
21	37	04-12-57	8,000-	8,119	201ELBG	PG	-	-	9,300.	1,800.	36,000.	336.	1,100.	-	76,000.			1.088	120,000. *	.393	-	131,000.	.066	27.0	.076	6.6	
21	37	10-26-59	8,070-	8,187	201ELBG	WM	-	-	1,500.	460.	5,800. *	406.	2,400.	HV	11,000.			1.014	21,000. *	.449	-	27,400.	-		.365	6.7	M
21	37	02-13-60	8,070-	8,187	201ELBG		-	0.0	3,400.	720.	12,000. *	100.	1,500.	190.	25,000.			1.030	42,000. *	.446	-	54,200.	.170	24.0	.185	6.4	M
21	37	03-3.-60	8,070-	8,187	201ELBG		-	0.0	3,800.	880.	14,000. *	670.	2,000.	110.	29,000.			1.036	50,000. *	.428	-	61,900.	-		.161	6.5	M
21	37	02-00-67	-		201ELBG	TB	-	-	-	-	46,000. *	-	-	-	70,000.			1.076	-	-	134,000.	-	-		-		
21	37	12-21-49	-	7,576	201ELBG		-	0.0	-	-	49,000. *	-	-	0.0	76,000.			1.077 *	-	-	-	-	-		-		M
22	37	02-23-49	8,097-		201ELBG		41.	TR	6,600.	1,700.	28,000. *	400.	1,300.	0.0	63,000.			1.065	107,000.	.381	-	110,000.	-		.091	6.6	
22	37	02-23-49	8,189-		201ELBG		23.	TR	7,600.	1,400.	33,000. *	467.	1,500.	0.0	74,000.			1.030	126,000.	.341	-	121,000.	-		.093	7.3	
22	37	01-23-58	-	7,720	201ELBG		-	-	8,900.	1,600.	33,000. *	634.	1,300.	-	70,000.			1.083	110,000. *	.404	-	122,000.	-		.082	6.8	
22	37	00-00-00	8,055-		201ELBG		-	0.0	-	-	53,000. *	-	-	0.0	82,000.			1.080 *	-	-	-	-	-		-		
22	37	10-27-47	7,845-	7,940	201ELBG		-	-	-	-	56,000. *	-	-	-	87,000.			1.091 *	-	-	-	-	-		-		M
23	37	07-23-53	-		201ELBG		-	MD	20,000.	4,900.	64,000. *	.129.	780.	0.0	150,000.			1.140	240,000. *	.503	-	185,000.	-		.053	6.2	
23	37	02-00-67	-		201ELBG	TB	-	-	-	-	82,000. *	-	-	-	130,000.			1.132	-	-	187,000.	-	-		-		Q
23	38	09-30-59	9,785-	9,846	201ELBG	DT	-	0.0	17,000.	3,000.	51,000. *	130.	200.	-	120,000.			1.133	190,000. *	.498	-	170,000.	.033		.059	7.2	M
24	36	06-09-60	12,866-	12,912	201ELBG		-	-	9,500.	1,300.	57,000. *	128.	1,000.	-	110,000.			1.116	180,000. *	.235	-	166,000.	-		.060	6.3	
24	37	00-00-69	10,300-	10,450	201ELBG		-	-	16,000.	4,600.	45,000. *	103.	410.	-	110,000.			1.140	180,000. *	.610	-	161,000.	-		.062	5.9	
24	37	07-17-53	10,992-	11,036	201ELBG	SB	-	-	7,500.	1,300.	33,000. *	98.	660.	-	67,000.			1.074	120,000.	.342	-	120,000.	.057	25.0	.083	7.0	
24	37	09-14-64	9,875-	9,879	201ELBG	SB	-	1,500.	7,500.	2,000.	10,000. *	1,400.	200.	-	37,000.			1.051	60,000. *	1.189	-	68,600.	-		.146	5.0	N
24	37	12-09-58	10,000-		201ELBG		-	-	-	-	-	-	-	-	-				-	-	-	-	-		-		A
24	37	03-06-65	9,600-		201ELBG		-	1.0	15,000.	2,400.	53,000. *	171.	470.	-	110,000.			1.128	180,000. *	.404	-	168,000.	-		.060	6.5	
24		09-14-64	10,285-	10,289	201ELBG	SB	-	1,000.	13,000.	3,100.	51,000. *	183.	440.	-	110,000.			1.123	180,000. *	.418	-	164,000.	-		.061	7.2	
24		04-15-64	-		201ELBG		-	300.	11,000.	1,900.	30,000. *	3,840.	1,000.	-	70,000.			1.086	120,000. *	.534	-	119,000.	-		.084	6.1	M
24		09-16-64	-		201ELBG		-	500.	12,000.	3,600.	42,000. *	1,860.	1,000.	-	94,000.			1.107	150,000. *	.495	-	148,000.	-		.068	6.0	M
24	37	12-28-65	10,285-	10,289	201ELBG		-	50.	12,000.	2,600.	42,000. *	1,540.	1,500.	-	92,000.			1.110	150,000. *	.449	-	147,000.	-		.068	5.4	M
24	37	08-03-61	8,505-	8,565	201ELBG	DT	-	TR	15,000.	8,900.	36,000. *	670.	500.	44.	110,000.			1.110	170,000. *	.947	-	153,000.	.068	22.0	.065	6.2	M
24	37	04-28-65	-		201ELBG		-	-	2,400.	830.	20,000. *	400.	4,000.	-	34,000.			1.044	62,000. *	.216	5,000.	73,600.	.123	24.0	.136	6.7	M
24	38	04-24-65	-	12,000	201ELBG	FG	-	-	2,700.	310.	21,000. *	300.	2,800.	-	35,000.			1.045	62,000. *	.177	-	75,500.	-		.133	7.5	
25	37	06-16-61	8,491-	8,547	201ELBG	DT	-	-	3,000.	190.	16,000. *	183.	980.	-	30,000.			1.039	51,000. *	.234	-	64,300.	-		.155	5.8	
25	37	06-16-61	8,491-	8,547	201ELBG	DT	-	-	780.	210.	27,000. *	370.	3,000.	-	41,000.			1.056	72,000. *	.048	-	85,300.	.131	20.0	.117	7.1	Q
25	37	02-00-67	-		201ELBG	TB	-	-	1,100.	180.	31,000. *	840.	2,600.	0.0	49,000.			1.066	85,000. *	.051	-	97,400.	.107	20.0	.103	6.0	Q
25	37	07-06-59	8,620-		201ELBG		-	TR	-	-	40,000. *	-	-	-	62,000.			1.072	-	-	83,300.	-	-		-	5.0	Q
25	37	06-00-60	-		201ELBG	ST	-	-	11,000.	5,500.	13,000. *	107.	1,500.	-	54,000.			1.067	85,000. *	1.755	-	96,700.	-		.103		N
							-	-	-	-	-	-	-	-	-				-	-	-	-	-		-		A
25	37	02-00-67	-		201ELBG	TB	-	-	-	-	45,000. *	-	-	-	69,000.			1.076	-	-	136,000.	-	-		-		Q
25	37	06-24-60	-		201ELBG		-	-	6,600.	1,600.	37,000. *	157.	1,500.	TR	73,000.			1.075	120,000. *	.288	-	128,000.	-		.078	6.3	M
25	37	00-00-64	8,243-	8,260	201ELBG		-	-	5,400.	1,100.	26,000. *	832.	1,400.	-	57,000.			1.067	92,000. *	.321	-	97,800.	-		.102	6.7	
25	37	05-21-59	8,200-		201ELBG		-	-	5,300.	1,900.	29,000. *	397.	850.	-	59,000.			1.073	96,000. *	.331	-	108,000.	-		.092	6.5	
25	37	00-00-64	-		201ELBG		-	-	5,400.	1,500.	31,000. *	214.	1,200.	-	60,000.			1.071	99,000. *	.293	-	111,000.	-		.090	6.8	
24	37	03-29-57	9,711-	9,721	202CNNL	TB	-	-	28,000.	1,800.	52,000. *	390.	820.	-	130,000.			1.159	220,000. *	.680	-	179,000.	.052	21.0	.056	6.7	M
24	37	04-09-57	9,711-	9,721	202CNNL		-	-	28,000.	1,400.	54,000. *	335.	710.	-	140,000.			1.155	220,000. *	.633	-	181,000.	-		.055	6.6	M
19	36	02-26-59	9,937-	9,980	202MCKE	DT	-	HV	22,000.	3,000.	56,000. *	122.	430.	-	130,000.			1.148	220,000. *	.556	-	180,000.	4.600	27.0	.056	6.0	
19	37	00-00-64	-		202MCKE		-	-	1,200.	280.	8,800. *	575.	1,000.	-	15,000.			1.019	27,000. *	.216	-	35,900.	-		.279	7.0	
20	37	02-15-60	09,890-	09,926	202MCKE	DT	-	-	10,000.	1,300.	16,000. *	330.	2,000.	-	46,000.			1.108	76,000. *	.902	-	84,700.	.055	23.0	.118	6.6	
20	38	04-23-56	-	9,100	202MCKE	ST	10.	21.	14,000.	3,800.	41,000.	222.	600.	0.0	100,000.			1.104	1,660.	.566	-	151,000.	-		.066	5.2	M

TABLE 4A.--WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

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