APPENDIX B

Aquifer Pump Test Inventory (in Excel File "pump tests.xts")

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Appendix & Summary of aguifer pump tests	ny of aquife	rr pump tosts						\parallel		-	-		
	_	A language of the language of	-		to the	- Culoumia	Jones of				(hyled)	_	
wall number	pasin	well deeth (R bel)		tost date	(hours)		test	<u> </u>	(gal/day)/ft	2	2	reforence	romarks
199 3W 26 223		130.150	19	06/13/1975	0.5	1	œ	-	1100	┡	Ť	Wilson ot al. (1981)	tostholo
19S 2W 26 223	. n	260.280	16	06/13/1975	0.5	16	œ	330	2500	21		Wilson ot al. (1981)	
19S.4W.33.244	. م	138-318	•	03/19/1973	24	250	0	550	418	-	<u> </u>	Wilson et al. (1981)	Hatch village well
19S.4W.33.244	۵	138-318		03/20/1973	23	250	œ	570	4300		<u>></u>	Wilson et al. (1991)	
													observation well for pumping well
													19S,4W,33,244, storago coefficient,
19S.4W.34.131	<u> </u>	143		03/19/1973	ᄧ		Δ	089	5100			Wilson of al. (1981)	0.0002
20S.2E.35.143	7	350-550		11/09/1976	24	220	۵	4630	34600	₽ •	13 2	Wilson et al. (1981)	
20S.2E.35.143	_	561-700		11/10/1976	7	220	œ	2620	19600		>	Wilson et al. (1981)	
										_			observation well for pumping well
													20S.2E.35,143, storage coefficient,
20S.2E.35.244	7	422-791		11/09/1976	24		٥	4410	33000	_		Wilson ot al. (1981)	90000
20S.2E.35.244	7	422-791		11/22/1976	7.7	1160	Δ	4700	35200	5	95 >	Wilson ot al. (1981)	
20S, 2E, 35, 244	7	422-791		11/22/1976	1.7	1160	œ	2270	17000		<u> </u>	Wilson ot al. (1981)	
20S.3E.30.333	7	430.850	310	05/01/1963	24	1000	œ	6480	48500	_	160	Wilson ot al. (1981)	Apollo well I from Doty, 1953, p. 4c
20S.3E.31.123	7	400-840	370	05/30/1963	24	1000	œ	10700	79700	29		Wilson of al. (1981)	Apollo well I from Doty, 1963, p. 4d
22S 1F 5 142	Σ	210.230	7-	06/02/1975	0.7	22		320	2400			Wilson et al. (1981)	testhole
225.1E.5.142	Σ	300-320	20	06/02/1975	0.5	27	œ	300	1000	67	200	Wilson et al. (1981)	
	:				!	İ							north well. Dona Ana community:
									-				observation well for pumpint well
													225.1E.14.341a: storage coofficient.
22S 1F 14 341	Σ	308.369	ie.	05/17/1974	2	200	02	2530	18900	_		Wilson et al. (1981)	0.002.
22S.1E 14.341	Σ	308-369	. 79	05/16/1974	10		_	2850	21300	47	350 V	Wilson of al. (1981)	
	i		-		·		1						South well. Dona Ana community:
													observation well for purpoposition
							_						22S 1F 14 341: storage coefficient
250 4E 44 2444	2	700		05/15/1074	·	ţ	•	0600	21000		- 2	Mileon of of 119811	0000
225.1E.14.341a	Σ:	254		05/12/1074	4 (171	٥ ۵	2000	7,000		<u>. :</u>	Wilson of all (1901)	0.002.
22S.1E.14.341a	Σ	324	•	9/61//1/20	ν,		ء د	25.10	24000		<u>- :</u>	Wilson of al. (1901)	
22S.1E.22.444	Σ	252-273	₽	04/11/1974	0.4		¥ 1	9	2/2			Wilson at al. (1981)	(estholo
22S.1E.22.444	Σ	504-525	₽	04/11/1974	0.4	€	œ ,	370	2800	2	280 280	Wilson et al. (1981)	
22S.1E.22.444	ž	672-693		04/11/1974	ري د	22	<u>o</u> c.	82	610			Wilson et al. (1991)	
22S.2E,13.443	_	570-670	\$	06/03/1975	5.7	145	0	90	2900	7.9	<u>></u>	Wilson et al. (1981)	Jornada water systems well
22S.2E.13.443	7	570-670	8	06/03/1975	1.7		œ	2	3300	4. 6.		Wilson ot al. (1981)	
											_		tostholo, screan probably set in silt
22S.2E.24.422	7	1120-1140		08/30/1973	20.4	5.	œ	<u></u>	9		<u> </u>	Wilson at al. (1981)	and clay
													Las Crucos city well 23, discharge
22S.2E.31.444	Σ	456-596		03/21/1975	30.6	315	œ	2270	17000		_	Wilson ot al. (1981)	estimated
225.3E.8.144	_	500-590	8	08/02/1973	1.7	182	۵	3370	25200		_	Wilson of al. (1981)	irregutar drawdown graph
23S.1E.4.434	Σ	335-355	9	05/26/1975	0.5	21	œ	495	3700	<u>ب</u>	Ī	Wilson et al. (1981)	testhole near Picacho
23S.1E.11.214	Σ	384-404	#	08/07/1975	-	12.4	œ	130	960	6.7	_	Wilson of al. (1981)	Irregular recovery graph
23S.1E.11.214	Σ	510-530	13	08/06/1975	7	9.9	<u>«</u>	131	980	5	_	Wilson et al. (1981)	
23S 1F 11 214	2	640-660	5	08/06/1975		12	œ	20	1270	-	_	Wilson at al. (1981)	
230 15 11 2142	2	465 585	133	05/13/1975		1210	_	25	45600		_	Wilson of all (1981)	l as Crucos cily well 31
23S.1E.11.2140	2 ≥	465-585	132	05/13/1975	ı —	1210	2 02	6460	49100	· 유	37.5	Wilson ot al. (1981)	
	:											•	Tasthola on Vallay Drive in Las
23S.1E.13.411	Σ	600-620	5	09/06/1974		24	œ	370	2800	22		Wilson ot al. (1981)	Crucos
23S.1E.13.411	Σ	961-981	4	09/05/1974	4.8	11,5	œ	370	2800	_	<u>></u> 282	Witson et al. (1981)	

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	,												
		norforated integral or	estimated total sand		length of	policia	Pop of			٠	(Applica)		
well number	basin		Interval (ft)	tost dale	(hours)	$\overline{}$	tost	F274	(gaVday)#	2	<u></u>	reforonco	remarks
23S.1E.13.411	2	1260-1280	12	09/05/1974	2	11.7	æ	-	390	4.4	۲	Witson of all (1981)	
23S.1E.13.411	≥	1448-1468	!	09/05/1974	5.4		OC.	6.0	37	:		Witson et al. (1981)	
23S.1E.13.411b	Σ	429.629	101	04/01/1976	2	1248	œ	3880	29000		_	Wilson of al. (1981)	Las Crucos city woll 29
235.1E.13.411b	Σ	429.629	101	09/27/1976	187	1000	œ	3800	28400	38	280 V	Wilson at al. (1981)	•
													Las Crucos city owll 25; dischargo
23S.2E.5.321	Σ	392-620	193	03/20/1975	52	820	œ	4550	34000	7	160 V	Wilson ot al. (1981)	estimated
23S,2E,7,122	¥	213-360		05/28/1974	2	1050	۵	3800	28400		<u> </u>	Wilson et al. (1981)	Las Crucos city well 11
												•	Las Cruces city well 10; irregular
23S.2E.7.411	Σ	281-381		03/17/1975		460	æ	4390	32800		<u> </u>	Wilson et al. (1981)	recovery graph
23S,2E,8,433	Σ	430-716	270	03/21/1975	48.6	1160	æ	3300	24700	12	91	Wilson et al. (1981)	Las Crucos cily well 18
								_				•	Las Crucos city well 24: discharge
23S.2E,16,314	Σ	381-591		03/26/1975	27.8	902	œ	2710	20300		_>	Witson ot al. (1981)	estimated
													Los Crucos city woll 26; dischargo
23S,2E.17,243	Σ	410-700	304	93/21/1975	49	900	œ	2940	22000	9.7	72 V	Wilson of al. (1981)	ostimated
													Las Crucos City well 12; Irrogular
23S.2E.21.223	Σ	929		03/19/1975	5.8	765	œ	19300	144300		<u> </u>	Wilson ot al. (1981)	recovery graph
											-		Las Cruces city well 30; assume 200
													feet of sand for hydraulic conductivity
23S.2E.29.331	Σ	243-458		04/28/1976	n	1200	۵	10800	81000	54		Wilson of al. (1981)	calculations
23S.2E.29.331	Σ	243-458		04/28/1976	1.7	1200		10300	77000	5	380	Wilson of al. (1981)	
												•	tostholo on University Blvd in Las
23S.2E,30,243a	Σ	205-225	91	12/03/1975	0.5	38	œ	520	3900		240 V	Wilson at al. (1981)	Crucos
235.2E.30.243a	Σ	310-330	22	12/03/1975	0.5	4	œ	935	7000	47		Wilson ot al. (1981)	
23S.2E.30.243a	Σ	430-450	18	12/03/1975	9.0	8	œ	98	7100	53	_	Wilson ot al. (1981)	
235.2E.30.243a	Σ	650-670	18	12/02/1975	0.7	32	œ	8	各		<u> </u>	Wilson at al. (1981)	
											_		testhele on West Mesa; perforated
24S.1E.8.123	Σ	568-588	20	02/02/1975	1.7	7	œ	~	25			Wilson ot al. (1981)	Interval not developed
24S.1E.8.123	Σ	5754-774	-11	02/01/1975	-	7	œ	8.8	99		<u>></u>	Wilson of al. (1981)	
24S.1E.8.123	Σ	1383-1403	12	01/31/1975	1.3	4		28	420		_	Wilson et al. (1981)	
24S.1E.13.221a	Σ	140-370	170	07/31/1975	56	2550	۵	13600	102000		_	Wilson ot al. (1981)	EBID well 5; analyzed early data
24S.1E.13.221a	Σ	140-370	170	07/02/1976	24.5	2600	_	14200	106000		_	Wilson ot al. (1981)	
24S.2E.7.231	Σ	170-460	500	07/31/1976	21.5	2670		13500	101000	89	200	Wilson ot al. (1981)	EBID well 2; analyzod oarly data
24S.2E.14.122	Σ	160.512		09/18/1972	9	1285	Δ	15480	15000	_	_	Wilson et al. (1981)	
245.2E.15.231a	Σ	463.484	20	04/05/1974	4.	2	œ	775	2800	8	_	Wilson et al. (1981)	tostholo near Mesquito
245.2E.17.322	Σ	180.464	190	07/12/1976	30,3	9000	_	10900	81600	2	430 4	Wilson et al. (1981)	EBID woll 3; analyzed early data
400	:		1		}								EBID well 1; data from step-
245.ZE.17.4Z3a	Σ:	310-660	250	07/24/1973	22	3480	_	17400	130000	2	480 ~	Wilson et al. (1981)	drawdown test
24S,2E,17,423a	≊	. 310-680	220	07/12/1976	384	3310		12900	96488			Witson et al. (1981)	
1245.2E.18.244	Σ	55-199		07/30/1975	17	2240		17500	131000		>	Wilson of all (1981)	arialyzed early data; well is screened in both Santa Eo and official ordinal
24S.2E.21,123	Σ	170-480	240	07/31/1975	28.5	3180		21100	158000	#	660 V	Wilson of all (1981)	EBIO wolf 4: analyzed cacks data
24S.2E.21.123	Σ	170-480	240	07/01/1976	385.1	3190	Δ	20100	150000	2		Wilson et al. (1981)	
L			;										testhole by Easiside canal near
245.2E.36.131 1245.2E.36.131	₹≥	392-412	6 ¢	07/18/1975	3.5	52 K	OZ 0	<u>당</u> 등	1100	o 5	<u>> :</u> සුදු	Wilson et al. (1981)	Mosquito
	Ē		7.	إمريناها	3	- 3	- 5	?	3	_	_	wilson et al. (1961)	_

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_											_			_			_	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	
	romarks		Data for analyses taken from private	report to American Shipming &	Action of the second se	and Greeno, Lucson, AC, 1972		to sendo posido Rio Grando Wast of	Mosquite, irregular recovery graph		Testhele near San Miguel			testhole near La Mesa				open rear plants i		Testhole near Vado			sand flicknoss is assumed		irregular graph			testholo noor Berino, Irrecular	roccovery draph				tastholo						testholo				Santa Theresa well 4; obsorvation	woll for pumping well 28S.3E.28.114;	stolege collicion, c.coch.	Santa Thorosa woll 22; obsorvation woll for pumping well 288.3E.28.114; storage coefficient, 0.0003.
	reforence				170077	Wilson et al. (1991)	velisoli et di. (1501)		Wilson et al. (1981)	Wilson et al. (1981)	Wilson et al. (1981)	Wilson et al. (1981)	Wilson of al. (1981)		Wilson of all (1981)	Wilson of all (1981)	(1001) (1001)	Wilson et al. (1961)	Wilson et al. (1981)	[Wilson et al. (1981)	Wilson et al. (1981)	Wilson et al. (1981)	Wilson ot al. (1981)	Wilson of al. (1981)	Wilson of al. (1981)	Wilson et al. (1981)	Wilson of all (1981)		Wilson et al. (1981)	Wilson ot al. (1981)	Wilson et al. (1981)	Wilson et al. (1981)		Witson et al. (1981)	Wilson ot al. (1981)	•		(4004)	Avilson ut at. (1901)	Wilson et al. (1981)						
	(gal/d)/ ff2				į	<u>5</u>	=							£	5	2 5			_	64 05	_	7	윩	310	! !	38	32	:			280	¦ 	9	_		28	120		5	9	110			5	3	230
	PA PA	_			7	7 ÷	<u> </u>					_		-		3 0	2 (0.1	3.7	8	17	5.6	25	4	:	45	4	!			37	: 	5	<u> </u>		3.7	16	8,2	5	21	5				<u>`</u>	<u></u>
	(gal/day)/ft				0	222	3		920	929	700	92	340	1100	2,00	3 5	3 5) 	110	6700	2000	28	27700	21900	62500	77000	73000		460	28	202	240	1500	15000	4300	480	1900	5	99	2700	2100			0000	20007	29600
	ff2/d	-			0	2000	3		120	87	94	94	4	150	Ş	3 5	2 :	;	<u></u>	8	270	110	3700	2900	8350	10300	9Ann		ĕ	27	670	32	8	2000	570	4	250	8	240	360	280			ŝ	2020	90
	typo of test				1	ە د	ς.		œ	œ	œ	œ	~	•	: 0	۵ ک	۱ ک	צו	œ	œ	œ	œ	۵	œ	DSR	<u> </u>	• •	:	œ	2 02	2 02	<u> </u>	œ	œ	œ	œ	æ	œ	œ	α	~			•	د	
	pumping rate (qpm)					2002	5		φ	13.3	20	36	30	Ş	, v	3 €	? ;	ZĮ.	4	23	4	33	31,5		1420	2360	2360		a	. (, <u>e</u>	3.5	34	4	8	8	8	8	23	32	8					
langth of	tost (hours)					777	र. व		24.5	1.7	0,4	0,5	0.6	9	9 6	9 4		0.2	0.2	9.0	0.7	9.0	7	0.5	!	6	2	}	50	0.0	. 0	9	6	4	0.7	5.0	0,5	0.5	9.0	0.4	0.5			;	<u> </u>	114
	tast data				1	06/30/19/2	7/81/10//0		11/07/1974	11/07/1974	08/03/1974	08/03/1974	08/03/1974	04/20/1974	0400/1974	100,000,000	5761.07/50	07/29/19/3	07/29/1973	12/15/1975	12/14/1975	12/13/1975	03/03/1977	03/03/1977	10/04/1972	1972	1977	! :	09/04/1975	09/03/1975	09/02/1975	09/01/1975	12/19/1975	12/19/1975	12/18/1975	12/18/1975	12/18/1975	12/18/1975	07/24/1975	07/24/1975	07/24/1975			UP 0 7 L 0 7 7	0/61/20/11	11/05/1975
estimated total sand	thicknoss in screened interval (fi)				-	D 629	OF9		50	₽ P	12	7	<u></u>	. <u>t</u>	. t	<u>1</u> 0	ומ	1	4	15	16	19	7.	- 1	•	707	227		5	2 5	£	20	. 21	50	‡	17	16	12	17	17	<u></u>	!		ç	701	
	perforated interval or well death (it bol)	(.61 m) m. Lon (.61				600-1650	Ucal-Dua		298-318	598-618	242.262	505.525	660.680	254.272	217-167	2007-024	270-100	437-457	675-685	225-245	730-750	1200-1220	443-563	443-563	93.193	307.597	207.597		400.420	945.965	1410,1430	1660-1680	310.330	565.585	069-029	820-840	1050-4070	1170-1190	195-215	450-470	640-660				163-320	245
	basin			_		≱:	2		Σ	Σ	Z	Σ	Σ	: 2	Ξ.	ΣΣ	Σ:	Σ	Σ	Σ	Σ	Σ	Σ	Σ.	Σ	Ξ ≥	2	.	2	Ξ ⊇	≦ ≱	Σ	. ≥	Σ		Σ	Σ	Σ	Σ	Σ	Σ	!		;	Σ	2
	well number					25S.1E.16.114	258.15.114		25S.2E.3.224a	25S.2E.3.224a	25S.2E.4.141	25S 2E 4 141	255 2F 4 141	258 25 26 114	755 75 75 75 74	611.02.22.602	233.ZE.ZB. 114	255.3E.17.111a	25S.3E.17.111a	255.3E.28.434	25S.3E.28.434	25S,3E,28,434	26S.1W.25.414	26S.1W.25.414	255 3F F 441	1265.3E 6.442	255 3E 6 442	71.0.10.00.4	26S 3F 8 143	265.3F B 143	265.3F B 143	26S.3E.B.143	26S.3E 15.322	26S.3E.15.322	26S.3E.15.322	26S.3E.15.322	26S.3E.15.322	265.3E.15.322	27S.3E 20 432	27S.3E.20 432	27S.3E.20.432			1000	265.3E.2U.432	28S 3F 21 441

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		estimated total sand		lenglh of			L					
	perforated interval or	perforated interval or Italeknoss in scroened		test	pumping type of	typo of			_	(gal/d)/		
basin	well depth (ft bgl)	Interval (ft)	tost dato	(hours)	rate (gpm)	test	1 24	(gal/day)/ft ft/d	ľ/d	f2	reference	remarks
_	240.350	88	11/05/1975	114	748	٥	2800	21000	42	180	Wilson ot al. (1981)	Santa Therosa Woll 20; pumplng '
Σ	240-350	88	11/10/1975	117		œ	2800	21000	224	豎	Witson at al. (1981)	
Σ	135.285	109	11/05/1975	11	_		7600	57100	22	520	Wilson ot al. (1981)	Santa Theresa well 1; observation well for pumping well 28S.3E.28.114; storage coefficient, 0.0018.
Σ	325		11/05/1975	114			3700	27700			Wilson ot af. (1981)	Santa Theresa well 32; observation well for pumping well 28S.3E,28,114; storage coefficient, 0.00003.
22	268		11/05/1975	114	5.7		3580 16	26800	22	160	Wilson et al. (1981) Wilson et al. (1981)	Santa Therosa woll 17; observation well for pumping well 285.3E.28.114, storage coefficient, 0.0004, (estinole
5	390-410	12	07/31/1975		8.7	œ	150	1100			Wilson et al. (1981)	
2	201-350	26	11/10/1975	1 14			3800	28600	25	190	190 (Wilson et al. (1981)	Santa Thorosa woll 2: obsorvation woll for pumping well 288.3E.28.114, storago coofficient, 0.0004,

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Appendix # Estimated specific capacity and hydraulic conductivities in the shallow aquifer

Appendix	Commerce	specific capacity ar	iu nyurauno	CONTUNCTION		IIaliow adultel
li	ł				specific	
			well depth	water	capacity	estimated hydraulic
latitude	longitude	well number	(ft)	level (ft)	(gpm/ft)	conductivity (ft/day)
32 28 05	106 54 06	21S.1W.24.133	100	7	39	71
32 25 52	106 51 50	21S.1E.32.344	185	11	64	63
32 24 35	106 51 25	22S.1E.8.234	178	8	83	83
32 24 06		22S.1E,13,144	140	8	64	82
32 22 50		22S.1E.20.244	142	10	80	103
32 23 00	I *	22S.1E.21.113	180	10	68	68
32 22 20	1	22S,2E.26.214	100	14	102	202
32 20 27	-	23S.1E.3.213	145	15	49	64
II I		23S.1E.3.213	145	14	82 ·	106
32 20 30						
32 20 30		23S.1E.4.114	138	38	43	73 407
II	r :	23S.1E.16.142	111	16	71	127
II .		23S.1E.22.133	133	10	72	100
II		23S.1E.23.433	120	23	120	210
32 16 07		23S.1E.33.214	130	18	20	30
32 16 05	106 49 50	23S,1E.34.141	120	8	46	. 70
32 16 00	106 49 50	23S.1E.34.143	109	7	86	143
32 15 44	106 48 08	23S.1E.35.424	80	21	151	435
32 15 40	106 48 15	23S.1E.35.442	80	19	60	167
32 15 45	106 47 40	23S.1E.36.324	225	21	44	37
II .		23S.2E.29.234	230	95	28	35
32 14 55		24S.2E.4.313	160	19	49	59
M		24S.2E.8.114	214	18	49	43
		24S.2E.9.442	140	15	51	69
. – .		24S,2E.10,122	240	81	33	35
		24S.2E.10.122	240	79	33 31	33
			114	14	61	104
32 13 25		24S.2E,15.132				
32 13 10		24S.2E.15.324	150	16	43	55
32 13 05		24S.2E.16.431	150	14	50 50	63
		24S.2E.17.413	90	11	50	108
[24S.2E.18.244	199	13	66	60
ID		24S.2E.22.311	191	15	45	43
32 12 40		24S.2E.23.112	90	13	198	437
		24S.2E.27.432	85	13	63	149
32 09 50	106 41 20	25S.2E.1.233	186	10	14	14
32 09 55	106 41 05	25S.2E.1.242	350	13	24	12
II I	106 41 55	25S.2E.1.313	131	12	62	89
		25S.2E.1.441	120	10	55	85
		25S.2E.4.422	95	15	48	102
		25S.2E.11.142	130	9	62	87
32 09 05		25S.2E.12.213	65	14	68	227
32 06 58		25S.2E.22.314	200	19	47	44
32 06 50		25S.2E.24.444	120	10	88	136
ll l		25S.2E.35.424	116	11	21	34
					14	10
		25S.3E.18.224	250	8		
		25S.3E.18.423	156	9	95	110
		25\$.3E.20.112	120	9	18	28
32 07 00	106 39 20	25S.3E.20.411	125	8	34	49

Appendix AB cont.

					specific	
			well depth	water	capacity	estimated hydraulic:
latitude	Iongitude	well number	(ft)	level (ft)	(gpm/ft)	conductivity (ft/day)
32 05 30	-	25S.3E.31.131	125	9	154	226
32 05 48		25S.3E.33.112	100	11	10	19
32 03 48		36S.2E.12.422	100	10	135	255
32 03 30 32 04 05		26S.3E.4.433	130	9	36	51
II .			80	12	50 51	· ·
32 04 55		26S.3E.5.212	1 1			128
32 04 35		26S.3E.6.233	110	12	66	117
32 04 30	· ·	26S.3E.6.311	120	10	44	68
32 04 15		26S.3E.6.441	203	12	20	18
32 02 40	-	26S.3E.17.313	116	11	163	264
32 02 35		26S.3E.17.331	120	8	46	70
31 59 44		27S,3E.5.212	139	9	84	110
31 59 30		27\$,3E,5.242	143	12	93	121
31 59 25	106 39 00	27S.3E.5.244	148	12	110	138
31 58 30	106 38 08	27S.3E.9.243	136	9	44	59
31 57 32	106 39 24	27S.3E.17.411	120	14	59	95
31 55 30	106 39 06	27S.3E.29.441	216	11	58	48
31 54 51	106 38 35	27S.3E.33.324	130	12	58	84
31 54 02	106 39 00	28S.3E.5.422	122	9	33	50
31 58 47	106 38 09	JL-49-03-303	80	11	46	113
31 57 34	106 36 27	JL-49-04-142	150	7	39	46
31 56 17		JL-49-04-403	155	8	17	20
31 56 19		JL-49-04-406	152	8	23	27
31 55 57		JL-49-04-412	160	8	23	26
31 55 37		JL-49-04-415	122	7	28	41
		JL-49-04-420	155	7	13	15

Source: Frenzel and Kaehler, 1990

Appendix # Hydraulic conductivity in the Mesilla Basin (Santa Fe Group)

Basin						K (estimated	
Basin			1			•	adjusted
Basin		i			anon interval (ft	•	_
M 32 22 23 106 49 16 22S.1E.22.444 504-525 18 M 32 22 23 106 49 16 22S.1E.22.444 504-525 18 M 32 19 46 106 50 28 23S.1E.14.434 335-355 25 M 32 19 17 106 48 20 23S.1E.11.214 384-404 7 105 48 20 23S.1E.11.214 510-530 7 106 48 20 23S.1E.13.411 510-530 7 106 48 20 23S.1E.13.411 510-530 7 106 48 20 23S.1E.13.411 510-530 106 47 30 23S.1E.13.411 510-520 19 19 19 106 47 30 23S.1E.13.411 1260-1280 3 106 47 30 23S.1E.13.411 1260-1280 3 128 30 106 47 30 23S.1E.13.411 1260-1280 3 128 30 106 47 30 23S.1E.13.411 1260-1280 3 128 18 19 106 47 30 23S.1E.13.411 1260-1280 3 128 18 19 106 47 30 23S.1E.13.411 1260-1280 3 128 18 19 106 47 30 23S.1E.13.411 1260-1280 3 128 18 19 106 47 30 23S.1E.13.411 1260-1280 3 128 18 19 106 46 23 23S.2E.5.321 392-620 20 212-44 106 46 62 23S.2E.7.411 281-381 44 221-37 106 34 52 23S.2E.5.321 106 45 58 23S.2E.5.321 106 45 58 23S.2E.5.321 106 45 58 23S.2E.5.331 106 47 21 23S.2E.30.2438 130-330 47 106 48 50 24S.2E.15.2318 140-370 60 106 44 57 24S.2E.7.231 170-460 47 106 48 50 24S.2E.15.2318 140-370 60 106 44 57 24S.2E.7.231 170-460 47 106 48 20 24S.2E.17.423 110-460 47 106 49 20 106 42 51 25S.2E.4.141 505-525 5 106 40 41 106 40 106 40 106 40 106 40 106 40 106 40 106 40 106 40 106 40 106 40 106 40 106						_	1
M 32 22 23 106 49 16 22S.1E.22.444 504-525 18 M 32 22 23 106 49 16 22S.1E.22.444 672-693 4 M 32 19 47 106 48 20 23S.1E.4344 335-355 25 M 32 19 17 106 48 20 23S.1E.11.214 510-530 7 M 32 19 17 106 48 20 23S.1E.11.214 510-530 7 M 32 19 17 106 48 20 23S.1E.11.214 510-530 7 M 32 19 17 106 48 20 23S.1E.11.214 510-530 7 M 32 18 30 106 47 30 23S.1E.11.214 660-660 9 M 32 18 30 106 47 30 23S.1E.13.411 961-981 19 M 32 18 30 106 47 30 23S.1E.13.411 961-981 19 M 32 18 30 106 47 30 23S.1E.13.411 1260-1280 3 M 32 18 30 106 47 30 23S.1E.13.411 1260-1280 3 M 32 18 30 106 47 30 23S.1E.13.411 1260-1280 3 M 32 18 30 106 47 30 23S.1E.13.411 1448-1468 1 M 32 18 30 106 47 30 23S.2E.5.321 392-620 20 212-4-629 19 M 32 20 09 106 45 23 23S.2E.7.122 213-360 26 153-31 M 32 19 14 106 46 25 23S.2E.7.122 213-360 26 153-31 M 32 18 50 106 45 28 23S.2E.7.411 281-381 44 221-38	II————						(11,)-
M 32 12 3 106 49 16	II I		I			_	
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	11						1
	M	32 05 40	106 36 40	25S.3E.28.434	1200-1220	6	
	II				1		53-173

APP BB Cont.

					
				•	l i
Į.				•	adjusted
			open interval (ft	-	interval
latitude	longitude	well number	bgl)		(ft)*
32 04 14	106 39 58	26S.3E.6.442	307-597	35	
t .	106 39 13	26S.3E.8.143	400-420	3	
	106 39 13	26S.3E.8.143	945-965	1	
	106 39 13	26S.3E.8.143	1410-4130		
	106 39 13	26S,3E.8.143	1660-1680		!
	106 37 47	26S,3E,15,322	310-330		
1	106 37 47	26S.3E.15.322	565-585		
1	106 37 47	26S.3E.15.322	670-690		
	106 37 47	26S.3E.15.322	820-840		•
1	106 37 47	26S.3E.15.322	1050-1070		
1	106 37 47	26S.3E.15.322	1170-1190		
	106 39 17	27S.3E.20.432	195-215		
		27S.3E.20.432	450-470		1
	1	27S.3E.20.432	640-660		
t i	1 '	28S.3E.20.432	163-320		53-210
	1	28S.3E.28.114	240-350		110-220
	L .	28\$.3E.28.241	135-285		75-225
		28S.3E.29.231	201-350	26	71-220
		29S.3E.13.223	300-320	1	120-140
		29S.3E.13.223	390-410	8	210-230
 • • • • • • • • • • • • • • • • • • •	1:		average ≃	21	
	latitude 32 04 14 32 03 37 32 03 37 32 03 37 32 03 37 32 02 45 32 02 45 32 02 45 32 02 45 32 02 45 31 56 25 31 56 25 31 56 25 31 51 11 31 50 50 31 50 44 31 50 46 31 47 24 31 47 24	32 04 14	latitude longitude well number 32 04 14 106 39 58 26S.3E.6.442 32 03 37 106 39 13 26S.3E.8.143 32 02 45 106 37 47 26S.3E.15.322 31 56 25 106 39 17 27S.3E.20.432 31 56 25 106 39 17 27S.3E.20.432 31 50 40 106 38 49 28S.3E.28.114 31 50 46 106 39 29 28S.3E.28.241 31 50 46 106 39 29 28S.3E.29.231 31 47 24 106 35 07 29S.3E.13.223	latitude longitude well number bgl)	latitude longitude well number bgl) K (estimated hydraulic conductivity (ft/day) 32 04 14

adjusted interval is the open interval below the water table

from Frenzel + Kaehler 1990

Appendix B. Aquifor tosts in unpublished consultants raports

Parame of well Pasin Pas			_	perforated	estimated total											
Pasin				Interval or	sand thickness in	E S								hydraulie	Specific	
19311 1940 (it)	;			_	scrooned interval	diameter		langth of tost	pumping rate		Lanemisshity		apacific	Conductivity	checille Capatohi	
10	well location	name of well	_	_	£	(ii)	test date	(hours)	(mdß)		Ž		Ş	(fuday)	(apmdi)	e coerejes
1087-1150	245,U3E B.4333 L	us Ciucas Well # 40	¬	681-724	8	2	Десетраг, 1088		800 (8 hr)	slep	4,830	D 00028	0.15		-	Shoreaker 1089
M TO = 520 140 12 January, 1999 four 120 409, 599, step				775-040 1087-1150				52 (recovery)	1.000 (8 hr)							Cool lovenson
M TD = 520 140 12 January, 1989 four 120- 408, 599, slep - -	75 00E 19 944	- 1 July 146411	Т					ì	1,200 (38 hr)		i					
450-500 450-	- HIC.CI.320 C.	a Chion well		0.80	140	2	January, 1899		409, 599,	slep	1	,	<u></u>			Shomoker 1000 (leiters)
M TD = 527 210 14 December, 1889 four 100 750, 850; step				450-500 520-610				minute steps	788, 1,000		_					cucinition, too (temp)
M TD = 527 210 14 December, 1889 four 100 750, 850; step								24 hours		constant-	20.000		-	-	9	
M TD = \$27 210 14 December, 1888 four 100 750; 950; step			Т							6		!			o n	
291-500 minute steps 1,150; 1,400 minute steps 1,150; 1,400 minute steps 1,1200 constant. 40,000 1260-430 200 14 December, 1898 faur 100 740; 848; step	65 U3E.28.244 A	inthony Wall No. 6		TD = 527	210	7	December, 1898	Н	750, 950;	step	1	,			18.	Chamber 4000 " "
1,200 10 10 14 December, 1888 1,170 1,200 14 December, 1888 1,117,1354 1,206 1				291,500				minute steps	1,150; 1,400	-					1	John Land, 1930 (letter)
								. 54	1,20	constant.	40,000	ı	,	7	121	
	20,000,00		Ţ							50			_			
280-480 minute steps 1,117; 1,334 constant: 40,000	AS UNE SE AUT	inthony Well No. 3	Σ	200	500		December, 1998	four 100	740, 846.	stop			,		14 R to 12 1	Chamater 1000 games
24 1,228 constant: 40,000				280-480				minute steps	1,117; 1,354						2	יישאינוועסו, ופשט (יסונסו)
								7		-jurituos	40,000	ı	,	,	11.7	
										ele						
		Jetto Hasin														