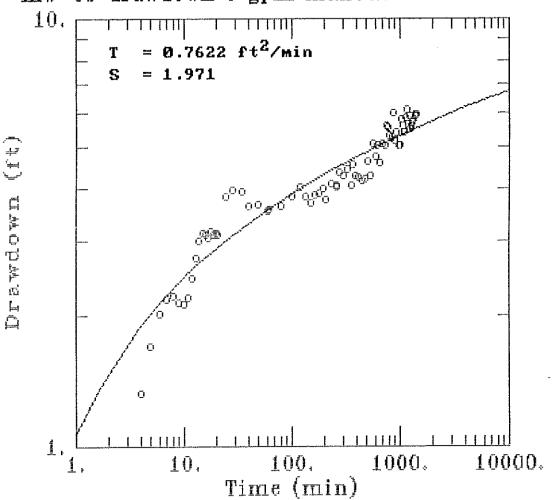
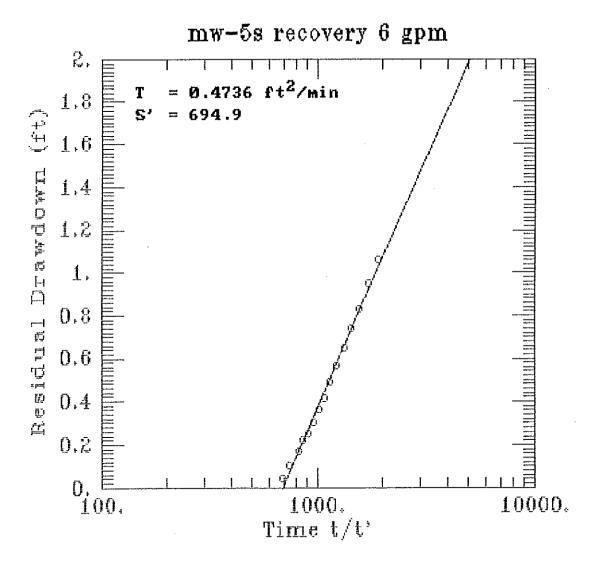
## APPENDIX E

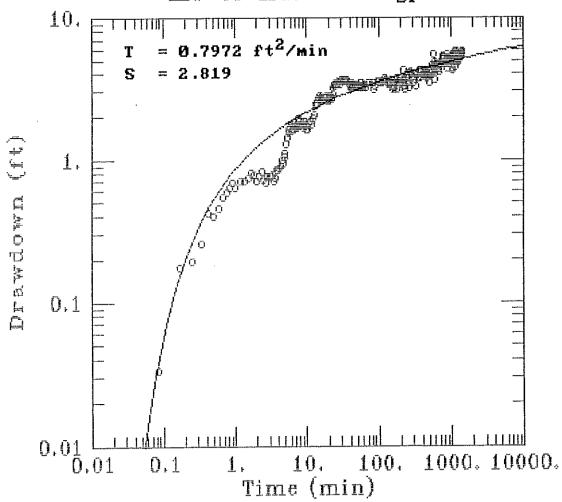
Aquifer Test Results: MW-5S

# mw-5s drawdown 6 gpm manual measurements





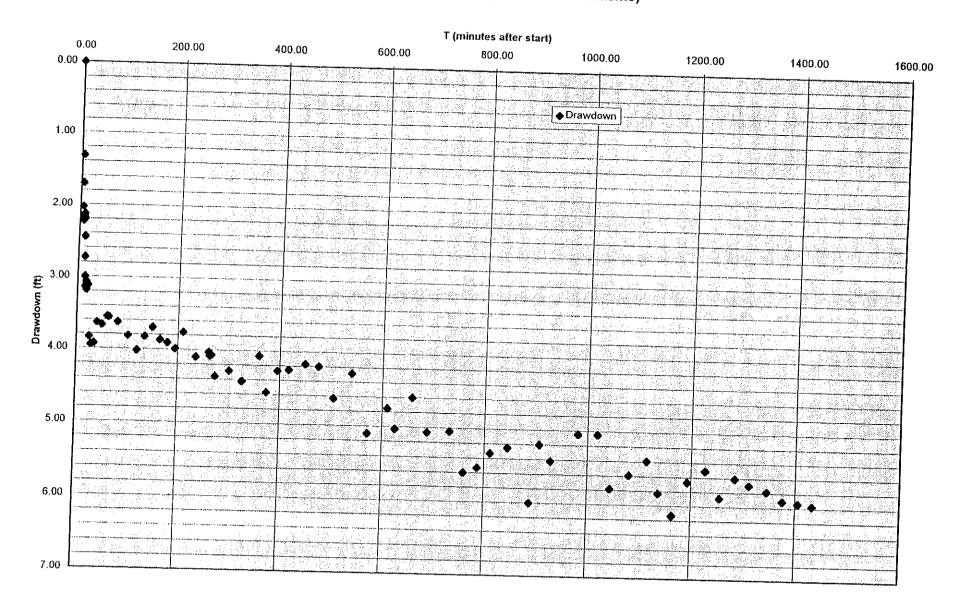
mw-5s drawdown 6 gpm



Sheet" hart 1

MW-55 4/24-4/27197 Q=6gpm Arithmetzi Plot

# Arithmatic Drawdown Plot (Manual Measurements)



Page 1

					וטוטו				
MW-5S 6G	PM TEST	DRAWDOW	<u>'N</u>						
Date Sur	nday April 2	7, 1997 9:5	7 AM						
PlotFile C:\									
DataFile C:	TERRA3\N	/W5SD1							
Time of Fire	st Log in Sr	ecified Win	dow						
		+0004 3.15		558E-0001					
0.0040010	52012001 <b>2</b>	0.10	207200010	0002 0001					
""" Analo	na#01"								
" "mw-5s			· · · · · · · · · · · · · · · · · · ·						
Date "Time	11	Head		Ole els		Head			
	<del></del>			Clock	Elapsed	1	D		
	Time	above XD		Time	Time	above XD	1		pth to
Date	(days)	(ft)		(min)	(min)	(ft)	(ft)		ter (ft)
	0.315237			453.94	0.00	<u> </u>	0.00		02.67
	0.315296			454.03		-	0.03		03.05
4/26/97		2.93E+01		454.11	0.17	·····	0.17	10	03.38
4/26/97		2.93E+01		454.19		i	0.20	10	3.54
4/26/97				454.28	· · · · · · · · · · · · · · · · · · ·	L	0.26	10	03.58
4/26/97	0.315528	2.91E+01		454.36	0.42	29.07	0.42	10	03.50
4/26/97	0.315586	2.91E+01		454.44	0.50	29.10	0.40	1(	03.48
4/26/97	0.315644	2.90E+01		454.53	0.59	29.04	0.45	10	03.55
4/26/97	0.315701	2.90E+01		454.61	0.67	28.95	0.54	10	03.80
4/26/97		2.89E+01		454.69	0.75	28.90	0.60		04.08
4/26/97		2.89E+01		454.78			0.64		04.35
4/26/97		2.88E+01	:	454.86			0.68		04.49
4/26/97		2.89E+01		454.94	1.00		0.64		04.47
4/26/97		2.88E+01		455.11	1.17		0.70		04.42
4/26/97		2.88E+01		455.28		<u> </u>	0.70		04.53
4/26/97		2.87E+01		455.44	1.50		0.75		04.47
4/26/97		2.87E+01		455.61	1.67	<del></del>			04.48
4/26/97		2.87E+01		455.78			0.78		04.46
4/26/97		2.88E+01		455.94	L		0.73		05.19
		2.87E+01		456.11	2.17				
4/26/97				· · · · · · · · · · · · · · · · · · ·			0.77		05.30
	0.316859			456.28		<u> </u>	0.82		05.28
4/26/97	<del></del>	2.88E+01		456.44	·	<u> </u>	0.73	· · · · · · · · · · · · · · · · · · ·	04.99
4/26/97	<u> </u>	2.88E+01		456.61	2.67		0.68		05.02
4/26/97		2.87E+01		456.78	<del></del>	·	0.77		04.90
4/26/97				456.94	<u> </u>		0.77		04.91
4/26/97				457.11	3.17	· · · · · · · · · · · · · · · · · · ·	0.77		04.98
4/26/97	<u> </u>			457.28			0.78		05.17
4/26/97	<u> </u>	2.88E+01		457.44			0.72		05.37
4/26/97	<del> </del>	2.87E+01		457.61	<del></del>		0.75		05.18
4/26/97	<del></del>	2.87E+01		457.78			0.84	1	05.05
4/26/97	<u> </u>	2.87E+01		457.94	<del></del>		0.84	1	05.22
4/26/97		2.86E+01		458.11			0.88	1	05.26
4/26/97		2.86E+01		458.28	4.34	28.61	0.89	1	05.34
4/26/97	0.318363	2.85E+01		458.44	4.50	28.50	1.00		05.11
4/26/97	0.318479	2.85E+01		458.61	4.67	28.54	0.95		05.45
4/26/97	0.318595	2.84E+01		458.78	4.84	28.45	1.05		05.38
	0.318711	<del></del>		458.94	<del></del>				05.43
4/26/97				459.11	5.17	·			05.42
4/26/97				459.28	·····	4			05.71
4/26/97	<u></u>	2.80E+01	<u> </u>	459.44	<del> </del>	<del></del>			05.63
<del>-,, 20,01</del>		<u> </u>	·	, 100.77	. 3.30	27.50	1.04	<u> </u>	UU.UU

MW-5S 6GPM TEST (	DRAWDOW	N					
Date Sunday April 2	7, 1997 9:5	7 AM					
PlotFile C:\TERRA3\M	W5SD101.F	RN	***************************************				
DataFile C:\TERRA3\N	иW5SD1		:				
Time of First Log in Sp	ecified Wind	wob					
3.55463152372837E	+0004 3.15	237268518558E	-0001				
						İ	
" " " Analog#01"							
" "mw-5s"	,						
Date "Time" "ft"					,		
Date Title	Head	Cloc	k	Elapsed	Head	· · · · ·	
Time	above XD	Time	I	Time		Drawdown	Depth to
Date (days)	(ft)	(mir		(min)		(ft)	Water (ft)
	2.79E+01		7 459.61	5.67	27.88	1.61	105.77
	2.78E+01		459.78	5.83	27.84		105.42
	2.79E+01		459.76 459.94		27.90		105.42
	2.79E+01 2.78E+01		160.11	6.17	27.76	1.73	105.62
			460.28	6.34	27.76	1.73	105.60
	2.78E+01				27.77	1.72	105.52
	2.78E+01		160.44		27.77		
	2.79E+01		460.61	6.67		1.62	105.55
	2.78E+01		460.78	6.84	27.83	1.67	105.98
	2.78E+01		460.94	7.00		1.71	105.63
	2.78E+01		461.11	7.17		1.66	106.45
4/26/97 0.320331			461.28	7.34		1.75	106.10
4/26/97 0.320447			461.44			1.93	106.38
	2.76E+01		461.61	7.67	<del> </del>		105.95
	2.77E+01		461.78	7.84		1.83	106.42
	2.78E+01		461.94			1.71	106.40
	2.77E+01		462.11	8.17	27.72	1.78	106.95
	2.78E+01		462.28	8.33		1.74	106.88
	2.77E+01		462.44			1.82	106.68
	2.78E+01		462.61	8.67	1		L
	2.77E+01		462.78			1.83	
4/26/97 0.321488			462.94	9.00	27.67	1.83	106.55
	2.78E+01	-	463.11	9.17	<del></del>		106.77
	2.77E+01		463.28	9.34	27.72	1.78	106.40
	2.77E+01	· ·	463.44	9.50	27.66	1.84	106.40
4/26/97 0.321951		ļ <u> </u>	463.61				107.13
4/26/97 0.322067		<del> </del>	463.78	<del></del>			<del></del>
4/26/97 0.322184			463.94				
4/26/97 0.32253			464.44	·		<del>}</del>	· · · · · · · · · · · · · · · · · · ·
4/26/97 0.322877		<u> </u>	464.94	ļ			<del> </del>
4/26/97 0.323225		ļ	465.44		<del></del>		<del></del>
4/26/97 0.323572	<del></del>	<del>(,</del>	465.94		<del></del>		<del></del>
4/26/97 0.323919			466.44				<del></del>
4/26/97 0.324266		····	466.94	<del></del>		<del></del>	
4/26/97 0.324613	<del></del>	<del> </del>	467.44	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>
4/26/97 0.32496	_	<del>                                     </del>	467.94				<del></del>
<u> </u>		<del> </del>	468.44	<del>,</del>			·
			468.94	<del></del>	· <del>  · · · · · · · · · · · · · · · · · ·</del>		ļ
4/26/97 0.325655			469.44			1	<del> </del>
4/26/97 0.326002	<del></del>	<del></del>					<del> </del>
4/26/97 0.3263		<del></del>	469.94	<del></del>			
4/26/97 0.32669	7 2.68E+01	! .	470.44	16.50	26.84	2.65	101.83

MW-5S 60	3PM TEST	DRAWDOV	VN		1	(	1	<del> </del>	····
				<del> </del>	<u> </u>				
Date Su	nday April 2	7 1997 9	57 AM	<del> </del>					
	\TERRA3\N					ļ			
	:\TERRA3\I		1111	<del> </del>		· · · · · · · · · · · · · · · · · · ·			
Batar 110 0		1110001		<del> </del>	1				
Time of Fir	st Log in Sp	necified Win	l dow			ļ			
3 554631	52372837E	+0004 3 1	100W	) FEDE 0004	1				
0.00 7001	DE0720072	70004 3.10	200516	0000E-0001					
" " Anal	ΩΩ#Ω1"			<del> </del>	1				
" "mw-5			<u> </u>						
Date "Time			<u> </u>		<u> </u>				
Date Time		Head		Ol I					
	Time	above XD		Clock	Elapsed	Head			
Date	(days)	(ft)		Time	Time		Drawdown		Depth to
	0.327044			(min)	(min)	(ft)	(ft)		Water (ft)
				470.94					101.58
	0.327391		·	471.44					101.49
	0.327738			471.94					101.43
4/26/97				472.44			2.83		101.44
4/26/97				472.94			2.61		101.42
4/26/97		2.68E+01		473.44	19.50	26.84	2.65		101.41
4/26/97		2.67E+01		473.94	20.00	26.67	2.83		101.40
4/26/97		2.69E+01		474.44	20.50	26.90	2.60		101.40
4/26/97		2.67E+01		474.94	21.00	26.72	2.77	-	101.40
4/26/97		2.67E+01		475.44	21.50	26.70	2.79		101.39
4/26/97	0.330516			475.94	22.00	26.79	2.71		101.38
4/26/97		2.68E+01		476.44	22.50	26.81	2.69		101.38
4/26/97		2.66E+01		476.94	23.00	26.62	2.88		101.38
4/26/97		2.63E+01		477.44	23.50	26.31	3.18		101.37
4/26/97		2.62E+01		477.94	24.00	26.24	3.26		101.37
4/26/97		2.62E+01		478.44	24.50	26.16	3.34		101.38
4/26/97		2.62E+01		478.94	25.00	26.15	3.35		101.37
4/26/97		2.60E+01		479.44	25.50	26.01	3.49		101.36
4/26/97		2.61E+01		479.94	26.00	26.07	3.42		101.29
4/26/97	0.333641	2.60E+01		480.44	26.50	26.01	3.49	<del></del>	101.28
1	0.333988			480.94	27.00	26.05	3.44		101.28
4/26/97		2.60E+01		481.44	27.50	25.97	3.53		101.28
4/26/97	0.334683			481.94	28.00	25.97	3.53		
4/26/97		2.61E+01		482.44	28.50	26.11	3.39		
4/26/97		2.60E+01		482.94	29.00	25.98	3.52		
4/26/97		2.59E+01		483.44	29.50	25.89	3.61		
4/26/97	0.336073			483.95	30.00	25.87	3.63		
4/26/97	0.336766			484.94	31.00	26.00	3.50	<del></del>	
4/26/97	0.337461			485.94	32.00	25.89	3.61		
4/26/97	0.338155			486.94	33.00	25.92	· 3.57		
4/26/97		2.60E+01		487.94	34.00	25.99	3.51	<u> </u>	
4/26/97	0.339544			488.94	35.00	25.90	3.60		
4/26/97	0.340238			489.94	36.00	25.94	3.55		
4/26/97	0.340933		Ì	490.94	37.00	26.04	3.45		
4/26/97		2.61E+01		491.94	38.00	26.05	3.44		
4/26/97	0.342322			492.94	39.00	26.11	3.39		
4/26/97	0.343016			493,94	40.00	26.24	3.26		
4/26/97	0.343711			494.94	41.00	26.35	3.15		
4/26/97	0.344405			495.94	42.00	26.05	3.44		
4/26/97	0.3451	2.62E+01		496.94	43.00	26.22	3.28		
							U.Z.U		

MW-5S 6G	PM TEST I		/N	1	I		i i		i ====
10100-33 00	IT WITEST	JIAVOOV	/14						
Data Cu	odov April O	7 1007 0.5	7 4 4 4						
		7, 1997 9:5							
PlotFile C:\			-RN						
DataFile C:	VIERHA3/N	/IW55D1							
		15) 1111							
Time of Fire	st Log in Sp	ecitied Win	dow						
3.5546315	52372837E	+0004 3.15	237268518	3558E-0001					
""" Analo	og#01"								
" " "mw-5s									
Date "Time	" "ft"								
		Head		Clock	Elapsed	Head			
	Time	above XD		Time	Time	above XD	Drawdown		Depth to
Date	(days)	(ft)		(min)	(min)	(ft)	(ft)		Water (ft)
4/26/97	0.440238	2.58E+01		633.94	<u> </u>	<u> </u>			113.31 (10)
4/26/97	0.443742	2.60E+01		638.99					
	0.447183			643.94			3.73		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.450655			648.94					
	0.454127			653.94		<del> </del>	*****		
4/26/97		2.61E+01		658.94			3.43		
4/26/97	0.461072			663.94			3.43		
4/26/97	0.464544			668.94					
4/26/97		2.53E+01				·	3.30		
				673.94			4.19		
4/26/97		2.58E+01		678.94		<u> </u>	3.66		
4/26/97		2.64E+01		683.94			3.12		
4/26/97	0.478433			688.94		25.57	3.93		
4/26/97	0.481905			693.94		25.74	3.76		
<u> </u>	0.485377			698.94		25.74	3.76		
4/26/97		2.60E+01		703.94		25.96	3.54		
4/26/97				708.94		26.03	3.47		***
4/26/97				713.94	260.00	26.31	3.18		***************************************
	0.499266			718.94	265.00	25.78	3.71		
4/26/97	0.502738	2.54E+01		723.94	270.00	25.39	4.10		
4/26/97	0.506211	2.55E+01		728.94	275.00	25.46	4.04		1"
4/26/97	0.509683	2.57E+01		733.94	280.00	25.75	3.75	· · · · · · · · · · · · · · · · · · ·	
4/26/97	0.513155	2.58E+01		738.94	285.00	25.81	3.68		
4/26/97	0.516627	2.58E+01		743.94			3.69		
4/26/97		2.61E+01		748.94			3.44		
4/26/97		2.57E+01	····	753.95		25.72	3.78	- 1.1	<u></u>
4/26/97		2.55E+01		763.94			4.02		
4/26/97		2.62E+01	· · · · · · · · · · · · · · · · · · ·	773.94			3.28		
4/26/97		2.55E+01		783.94			3.97		
4/26/97		2.56E+01		793.94			3.94		
4/26/97		2.58E+01		803.94			3.68		
4/26/97		2.58E+01		813.94					···
4/26/97		2.52E+01		823.94			3.69		
4/26/97	0.572163						4.28		
				833.94			4.22		
4/26/97		2.57E+01		843.94			3.83		
4/26/97		2.55E+01		853.94			3.96		
4/26/97	0.599961			863.94			3.93		
4/26/97		2.57E+01		873.94		25.68	3.81		
4/26/97		2.55E+01		883.94			4.04		
4/26/97		2.54E+01		893.94			4.08		
4/26/97	0.627738	2.57E+01		903.94	450.00	25.75	3.75		

MW-5S 60	PM TEST I	DRAWDOW	/N					
Date Su	nday April 2	7, 1997 9:5	57 AM					
PlotFile C:	TERRA3\M	W5SD101.	PRN		***************************************			
DataFile C	:\TERRA3\N	/W5SD1						
Time of Fir	st Log in Sp	ecified Win	dow					
3.554631	52372837E	+0004 3.15	237268518	558E-0001				
	1							
""" Anal								
" " "mw-5								
Date "Time	e" "ft"							
		Head		Clock	, ,	Head		
	Time	above XD		Time	Time	above XD	Drawdown	Depth to
Date	(days)	(ft)		(min)	(min)	(ft)	(ft)	Water (ft)
4/26/97				913.94			3.82	
4/26/97		2.57E+01		923.94		25.70		
4/26/97		2.57E+01		933.94			3.84	
4/26/97		2.55E+01		943.94				
4/26/97	<del></del>	2.60E+01		953.94			3.49	
4/26/97		2.52E+01		963.94			4.26	
4/26/97		2.55E+01		973.94			4.01	
4/26/97		2.56E+01		983.94			3.87	
4/26/97		2.55E+01		993.94			3.97	
4/26/97		2.49E+01		1003.94		24.91	4.59	
4/26/97		2.50E+01		1013.94	560.00	25.01	4.48	
4/26/97	0.711072	2.40E+01		1023.94	570.00	23.97	5.52	
4/26/97		2.55E+01		1033.94	580.00	25.51	3.99	
4/26/97	0.724961	2.59E+01		1043.94		25.89	3.61	
4/26/97	0.731905	2.47E+01		1053.94		24.68	4.82	
4/26/97		2.51E+01		1063.94		25.07	4.43	 
4/26/97		2.48E+01		1073.94		24.82	4.68	 
4/26/97		2.49E+01		1083.94		24.92		 L
4/26/97		2.49E+01		1093.94		24.94	4.56	L
4/26/97	1	2.52E+01		1103.94		25.19	4.31	
	0.773572			1113.94				
4/26/97	·	2.53E+01		1123.94		25.32	4.18	 
4/26/97	·	2.48E+01 2.49E+01		1133.94		24.78	4.72	
4/26/97 4/26/97		2.49E+01		1143.94 1153.94		24.85	4.65	 
4/26/97		2.47E+01		1163.94		24.68	4.82	
4/26/97	·	2.48E+01		1173.94		24.79	4.71	 
4/26/97		2.48E+01		1183.94		24.76	4.73	
4/26/97	<u> </u>	2.47E+01		1193.94		24.82	4.68	
4/26/97		2.48E+01		1203.94		24.71 24.79	4.79	·
4/26/97		2.43E+01		1213.94		24.79	4.71 5.19	
4/26/97	<del>}</del>	2.41E+01		1223.94		24.09		
4/26/97	0.856905			1233.94	780.00	24.09	5.40 5.25	 
4/26/97		2.44E+01		1243.94		24.24	5.14	
4/26/97		2.43E+01		1253.94	800.00	24.33	5.14	
4/26/97		2.45E+01		1263.94		24.33	5.17	
4/26/97		2.45E+01		1273.94		24.43	4.98	
4/26/97		2.46E+01		1283.94		24.59	4.90	
4/26/97	·	2.45E+01		1293.94		24.53	4.97	
4/26/97		2.47E+01		1303.94		24.69	4.81	
						27,00	-1.01	 

MW-5S 6G	PM TEST I	DRAWDOV	/N						
Date Sur	nday April 2	7, <b>1</b> 997 9:5	57 AM						
PlotFile C:\	TERRA3\M	W5SD101.	PRN					· · ·	
DataFile C:	TERRAS\	/W5SD1							
									*****
Time of Fire	st Log in Sp	ecified Win	dow						
	52372837E			558F-0001					
					1				
""" Analo	na#01"								:
" " "mw-5s						<u> </u>			
Date "Time				1					
Date Title	11	11		011-		1 1 1			
		Head		Clock	Elapsed	Head			1
	Time	above XD		Time	Time	above XD	Drawdown		Depth to
Date	(days)	(ft)		(min)	(min)	(ft)	(ft)		Water (ft)
4/26/97	0.912461	2.48E+01		1313.94	860.00	24.76	4.73		
4/26/97	0.919405	2.51E+01		1323.94	870.00	25.10	4.40		
4/26/97	0.92635	2.51E+01		1333.94	880.00	25.14			
4/26/97	0.933294	2.40E+01		1343.94		23.96			******
4/26/97		2.47E+01	V-111	1353.94			4.84		
4/26/97		2.46E+01	W. W. T. W.	1363.94		24.56			
4/26/97		2.43E+01		1373.94		24.28	5.22	****	
4/26/97		2.44E+01		1383.94		24.41	5.09	•	
4/26/97		2.44E+01		1393.94					
						24.58	4.92		
4/26/97		2.47E+01		1403.94		24.69	4.81		
4/26/97		2.47E+01		1413.94		24.66	4.84	J	
4/26/97		2.47E+01		1423.94		24.71	4.79	*	
4/26/97		2.49E+01		1433.94		24.88	4.61		
4/27/97		2.48E+01		1443.94		24.81	4.69		
4/27/97		2.48E+01		1453.94	1000.00	24.81	4.69		
4/27/97		2.49E+01		1463.94	1010.00	24.87	4.62		
4/27/97	0.023572	2.50E+01		1473.94	1020.00	24.97	4.53		
4/27/97	0.030516	2.52E+01		1483.94	1030.00	25.18	4.32	******	
4/27/97	0.037461	2.52E+01		1493.94	1040.00	25.23			
4/27/97	0.044405	2.44E+01		1503.94		24.39	5.11		
	0.05135	2.40E+01		1513.94					
4/27/97		2.44E+01		1523.94		24.43			~~~
4/27/97		2.41E+01		1533.94		24.15			
4/27/97		2.38E+01		1543.94			~		
4/27/97	0.079127	2.39E+01		1553.94	~~~	23.82	5.67	-1-www.	
4/27/97		2.42E+01				23.85			
				1563.94		24.23			
4/27/97		2.45E+01		1573.94		24.54	***************************************		
4/27/97		2.51E+01		1583.94		25.09			
4/27/97		2.37E+01		1593.94		23.68	5.82		
4/27/97		2.39E+01		1603.94	1150.00	23.87	5.63		
4/27/97	0.120794	2.38E+01		1613.94	1160.00	23.81	5.69		
4/27/97	0.127738	2.37E+01		1623.94	1170.00	23.69	5.80		
4/27/97	0.134683	2.38E+01		1633.94	1180.00	23.80	5.70		····
4/27/97	0.141627	2.38E+01		1643.94	1190.00	23.81	5.69		
4/27/97	0.148572	2.44E+01		1653.94	1200.00	24.37	5.12		<del></del>
4/27/97		2.43E+01		1663.94		24.26	5.24		
4/27/97	0.162461	2.46E+01		1673.94		24.65	4.85		
4/27/97		2.45E+01		1683.94	1230.00	24.52			
4/27/97		2.41E+01		1693.94			4.98		
4/27/97		2.41E+01 2.40E+01		1703.94			5.44		
7/4/13/	0.100234	4.40LTV1		1703.94	1250.00	23.97	5.52		