

ATTACHMENT 5: WATER LEVEL MEASUREMENTS

This attachment contains water level measurements for the Westbay™ multiport JPL monitoring wells obtained during the second quarter 2005. Water level measurements were recorded before the sampling event on April 24, 2005 and after the sampling event on May 26, 2005. Water levels in the shallow wells were measured using a Solinst™ water level meter and the results are provided in the field logs (Attachment 4). In the deep multiport wells, the hydraulic head at each sampling port was measured with a Westbay™ pressure-transducer probe. Water level measurements were taken by Geofon Incorporated.

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-3
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. + MSL): 1,100.34
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	924	938
Pressure (psia)	14.16	14.15
Temperature (°C)	18.48	16.59

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	653	249.39	265.36	249.22	21.14	928	73.48	1026.86
4	558	208.16	224.25	208.18	21.99	930	73.32	1027.02
3	346	116.02	136.14	116.03	20.93	934	64.59	1035.75
2	252	75.19	95.54	75.21	19.62	936	64.26	1036.08
1	172	40.42	62.82	40.44	17.82	937	59.74	1040.60

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-4
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. +MSL): 1,082.84
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1322	1336
Pressure (psia)	14.16	14.20
Temperature (°C)	18.65	18.45

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	513	139.35	216.03	139.39	20.24	1325		
4	392	86.72	163.66	86.70	21.04	1328		
3	322	56.30	133.87	56.32	20.83	1330		
2	240	20.59	98.66	20.60	20.07	1332		
1	150	14.25	62.74	14.24	19.35	1334		

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-11
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,139.30
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	857	910
Pressure (psia)	14.18	14.14
Temperature (°C)	18.89	17.42

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	639	241.85	241.77	241.87	20.99	901	113.95	1025.35
4	524	192.34	197.83	192.37	21.26	903	100.32	1038.98
3	429	151.50	156.37	151.47	20.42	905	100.97	1038.33
2	259	72.87	84.56	77.89	18.56	907	96.63	1042.67
1	149	30.60	42.21	30.62	18.08	909	84.33	1054.97

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-12
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: _____ Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,102.14
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1257	1311
Pressure (psia)	14.22	14.18
Temperature (°C)	20.63	16.54

Screen No.	Depth (Ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	548	198.85	219.97	198.88	20.27	1259	73.33	1028.81
4	436	150.17	174.57	150.18	20.71	1301	66.07	1036.07
3	323	101.01	126.45	101.03	19.01	1304	64.09	1038.05
2	243	66.19	92.29	66.20	17.94	1308	62.89	1039.25
1	140	21.37	51.73	21.34	17.08	1310	53.46	1048.68

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-14
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,173.47
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	735	802
Pressure (psia)	14.05	14.17
Temperature (°C)	16.88	18.86

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	540	189.51	193.29	189.50	19.61	750	126.49	1046.98
4	456	152.99	156.80	153.00	20.32	752	126.68	1046.79
3	382	120.84	124.71	120.87	19.53	758	126.71	1046.76
2	277	75.17	79.06	75.18	19.19	800	127.02	1046.45
1	207	44.70	48.56	44.72	18.95	801	127.39	1046.08

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-17
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2805
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,191.21
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1030	1042
Pressure (psia)	14.50	14.11
Temperature (°C)	17.73	16.13

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	726	167.61	255.70	167.63	19.98	1035		
								169.55
4	582	105.06	192.41	105.05	19.54	1037		
								171.56
3	468	55.46	140.97	55.47	18.36	1039		
								176.23
2	370	14.30	103.03	14.28	17.29	1040		
								165.76
1	250	14.25	55.75	14.21	16.61	1041		
								154.84

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-18
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,225.41
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1052	1108
Pressure (psia)	14.09	14.09
Temperature (°C)	18.45	16.28

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)	
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)					
5	684	157.17	219.47	157.13	20.48	1056			
								210.19	1015.22
4	564	105.01	168.80	105.00	20.76	1059			
								207.08	1018.33
3	424	44.14	112.11	44.13	19.34	1102			
								197.87	1027.54
2	330	14.25	71.44	14.26	17.38	1104			
								197.69	1027.72
1	270	14.24	45.94	14.23	16.70	1106			
								196.52	1028.89

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-19
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. +MSL): 1,142.94
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1011	1019
Pressure (psia)	14.15	14.16
Temperature (°C)	18.91	17.37

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	498	146.07	178.66	146.13	18.55	1013	118.48	1024.46
4	444	122.67	155.24	122.67	18.54	1014	118.51	1024.43
3	392	100.14	133.17	100.15	18.41	1015	117.42	1025.52
2	314	66.30	99.14	66.28	18.21	1016	117.93	1025.01
1	242	35.87	44.65	17.85	17.85	1017	171.64	971.30

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-20
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,165.05
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1119	1139
Pressure (psia)	14.12	14.15
Temperature (°C)	18.49	16.42

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	900	306.00	336.19	306.02	20.75	1124	156.98	1008.07
4	700	219.09	250.60	219.06	21.81	1128	154.44	1010.61
3	562	159.06	187.62	159.04	20.49	1131	161.74	1003.31
2	392	85.13	115.41	85.14	19.24	1134	158.32	1006.73
1	230	14.55	45.08	14.56	16.75	1137	158.58	1006.47

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-21
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,059.10
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	710	718
Pressure (psia)	14.13	14.17
Temperature (°C)	17.32	18.40

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	372	126.89	167.38	126.91	18.53	713	18.45	1040.65
4	310	99.92	140.51	99.90	18.99	714	18.44	1040.66
3	240	69.92	110.63	69.89	18.99	715	17.37	1041.73
2	161	35.48	76.39	35.54	18.68	716	17.37	1041.73
1	90	14.24	44.99	14.21	18.48	717	18.81	1040.29

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-22
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,176.98
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	812	821
Pressure (psia)	14.16	14.21
Temperature (°C)	18.14	19.93

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	588	200.41	208.91	200.36	19.94	815	138.71	1038.27
4	467	148.05	157.56	148.08	20.77	817	136.18	1040.80
3	389	114.24	125.17	114.26	20.81	818	132.90	1044.08
2	329	88.21	99.12	88.22	20.59	819	133.00	1043.98
1	245	51.36	62.49	51.35	20.26	820	133.50	1043.48

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-23
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,108.84
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	644	657
Pressure (psia)	14.11	14.16
Temperature (°C)	14.49	19.44

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	542	206.22	218.07	206.25	18.45	649	71.46	1037.38
4	445	164.24	176.20	164.24	20.08	651	71.06	1037.78
3	319	109.64	123.12	109.58	20.21	653	67.51	1041.33
2	254	81.44	95.01	81.44	19.98	655	67.36	1041.48
1	174	47.64	55.60	47.62	19.60	656	78.28	1030.56

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-24
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Jason Estep
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,200.94
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	833	844
Pressure (psia)	14.14	14.15
Temperature (°C)	18.20	20.37

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	678	197.22	235.30	197.19	20.69	837	167.78	1033.16
4	554	143.43	182.99	143.47	21.11	839	164.46	1036.48
3	435	91.87	133.02	91.94	21.15	840	160.74	1040.20
2	373	65.06	106.54	65.04	21.16	842	159.83	1041.11
1	279	25.15	29.48	25.14	20.92	843	243.61	957.33

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-25
 Project No: 4-73803 Probe Type: Westbay
 Date: 4/25/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 934.52
 Weather: partly cloudy and cool

Ambient Readings	Start	Finish
Time	1155	1206
Pressure (psia)	14.23	14.25
Temperature (°C)	20.76	19.86

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	713	200.61	203.04	200.62	21.64	1200	277.42	657.10
4	633	166.12	169.34	166.11	21.76	1201	275.16	659.36
3	503	109.85	113.99	109.87	21.36	1202	272.85	661.67
2	423	75.09	79.39	75.12	20.89	1203	272.68	661.84
1	358	46.82	50.68	46.84	20.50	1205	273.91	660.61

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-26
 Project No: 4-73803 Probe Type: Westbay
 Date: _____ Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): _____
 Weather: clear and warm

Ambient Readings	Start	Finish
Time		
Pressure (psia)		
Temperature (°C)		

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
2	215		No data					
							#DIV/0!	#DIV/0!
1	135		No data					
							#DIV/0!	#DIV/0!

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-3
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. + MSL): 1,100.34
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	941	955
Pressure (psia)	14.15	14.11
Temperature (°C)	17.91	17.29

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	653	249.25	265.49	249.28	20.71	945	73.16	1027.18
4	558	208.03	224.41	208.08	22.15	949	72.93	1027.41
3	346	115.91	135.55	115.96	21.66	951	65.93	1034.41
2	252	75.10	95.07	75.08	20.19	953	65.32	1035.02
1	172	40.33	62.40	40.34	18.58	954	60.69	1039.65

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-4
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. +MSL): 1,082.84
 Weather: partly cloudy and warm

Ambient Readings	Start	Finish
Time	1329	1343
Pressure (psia)	14.15	14.16
Temperature (°C)	20.82	18.59

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	513	139.38	215.22	139.36	21.65	1331		
								49.13
4	392	86.75	162.83	86.74	21.35	1336		
								49.00
3	322	56.31	133.00	56.32	20.98	1338		
								47.81
2	240	20.62	97.87	20.63	19.90	1340		
								46.86
1	150	14.21	62.12	14.20	18.97	1342		
								39.33

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-11
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,139.30
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	915	930
Pressure (psia)	14.12	14.12
Temperature (°C)	20.12	17.07

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	639	241.50	241.68	241.49	20.56	919	114.02	1025.28
4	524	191.98	197.64	191.99	20.78	922	100.62	1038.68
3	429	151.11	155.71	151.14	20.32	923	102.35	1036.95
2	259	77.51	84.07	77.49	18.05	927	97.63	1041.67
1	149	30.22	42.10	30.23	17.38	929	84.45	1054.85

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-12
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,102.14
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1311	1321
Pressure (psia)	14.11	14.13
Temperature (°C)	24.71	17.45

Screen No.	Depth (Ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	548	198.45	219.97	198.44	22.24	1314	73.08	1029.06
4	436	149.74	173.93	149.77	21.69	1315	67.30	1034.84
3	323	100.59	125.78	100.57	20.49	1317	65.38	1036.76
2	243	65.76	91.71	65.74	18.81	1319	63.98	1038.16
1	140	20.89	51.25	20.91	18.11	1320	54.32	1047.82

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-14
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,173.47
 Weather: clear and mild

Ambient Readings	Start	Finish
Time	806	820
Pressure (psia)	14.12	14.11
Temperature (°C)	18.49	18.75

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	540	193.19	191.22	193.18	19.69	809		
								131.43
4	456	156.66	154.85	156.65	20.15	811		
								131.34
3	382	124.44	122.82	124.44	19.91	813		
								131.23
2	277	78.79	77.48	78.75	18.92	816		
								130.83
1	207	48.27	47.60	48.28	18.77	818		
								129.76

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-17
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,191.21
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1049	1103
Pressure (psia)	14.10	14.09
Temperature (°C)	19.25	15.70

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)	
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)					
5	726	167.34	256.36	167.39	20.14	1053			
								167.11	1024.10
4	582	104.81	193.60	104.80	19.47	1056			
								167.89	1023.32
3	468	55.22	141.88	55.20	18.14	1057			
								173.21	1018.00
2	370	14.24	102.90	14.23	17.19	1058			
								165.14	1026.07
1	250	14.21	55.61	14.20	16.02	1102			
								154.24	1036.97

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-18
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,225.41
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1113	1126
Pressure (psia)	14.08	14.05
Temperature (°C)	20.51	16.29

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	684	156.90	221.06	156.93	20.79	1116	206.50	1018.91
4	564	104.79	170.38	104.79	20.87	1118	203.42	1021.99
3	424	43.91	112.48	43.91	19.43	1120	196.99	1028.42
2	330	14.21	72.55	14.22	17.08	1123	195.11	1030.30
1	270	14.18	47.33	14.20	16.65	1124	193.29	1032.12

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-19
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Jason Estep
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (ft. +MSL): 1,142.94
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1028	1036
Pressure (psia)	14.10	14.15
Temperature (°C)	19.10	17.32

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	498	145.95	178.71	145.92	18.73	1030	118.24	1024.70
4	444	122.50	155.30	122.52	18.67	1031	118.25	1024.69
3	392	99.97	132.62	99.96	18.38	1033	118.57	1024.37
2	314	66.12	98.61	66.15	18.18	1034	119.04	1023.90
1	242	34.85	67.94	34.84	17.82	1035	117.79	1025.15

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-20
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,165.05
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1145	1202
Pressure (psia)	14.09	14.11
Temperature (°C)	24.50	16.98

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	900	305.52	336.39	305.48	22.67	1149	156.45	1008.60
4	700	218.57	250.07	218.56	22.32	1153	155.59	1009.46
3	562	158.62	185.35	158.57	20.62	1157	166.90	998.15
2	392	84.65	115.85	84.65	19.06	1159	157.24	1007.81
1	230	14.22	45.51	14.19	17.49	1201	157.51	1007.54

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-21
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Jason Estep
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,059.10
 Weather: clear and mild

Ambient Readings	Start	Finish
Time	737	747
Pressure (psia)	14.16	14.18
Temperature (°C)	19.42	18.51

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	372	126.67	165.51	126.64	19.54	740	22.84	1036.26
4	310	99.68	138.67	99.68	19.67	741	22.76	1036.34
3	240	69.66	108.81	69.64	19.45	743	21.64	1037.46
2	161	35.27	74.64	35.26	18.78	745	21.47	1037.63
1	90	14.24	43.48	14.24	18.59	746	22.36	1036.74

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-22
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,176.98
 Weather: clear and mild

Ambient Readings	Start	Finish
Time	830	841
Pressure (psia)	14.11	14.13
Temperature (°C)	18.75	19.80

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	588	200.31	207.96	200.35	20.41	833	140.79	1036.19
4	467	147.95	156.41	147.96	21.07	835	138.71	1038.27
3	389	114.15	123.85	114.14	21.02	837	135.83	1041.15
2	329	88.10	97.90	88.11	20.61	838	135.70	1041.28
1	245	51.27	61.98	51.23	20.15	839	134.56	1042.42

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-23
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,108.84
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	713	725
Pressure (psia)	14.06	14.15
Temperature (°C)	20.79	19.56

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	542	206.02	217.12	206.03	20.97	716	73.54	1035.30
4	445	164.02	175.20	164.01	21.37	718	73.25	1035.59
3	319	109.42	121.93	109.43	20.97	720	70.14	1038.70
2	254	81.22	93.89	81.24	20.04	723	69.83	1039.01
1	174	46.51	60.44	46.53	19.75	724	67.00	1041.84

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Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-24
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay
 Elevation of Datum (Ft. + MSL): 1,200.94
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	850	906
Pressure (psia)	14.12	14.11
Temperature (°C)	19.54	19.90

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	678	197.12	234.77	197.13	21.52	855	168.96	1031.98
4	554	143.41	182.14	143.40	21.65	857	166.38	1034.56
3	435	91.83	132.00	91.85	21.50	859	163.05	1037.89
2	373	64.95	105.62	64.96	21.34	900	161.91	1039.03
1	279	24.24	66.64	24.22	20.07	903	157.84	1043.10

GEOFON, Inc.
Piezometric Pressures/Levels

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-25
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Elevation of Datum (Ft. + MSL): 934.52
 Casing Size/Type: 1.5" Westbay
 Weather: clear and warm

Ambient Readings	Start	Finish
Time	1217	1231
Pressure (psia)	14.25	14.23
Temperature (°C)	21.73	19.63

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)				
5	713	200.11	203.47	200.11	21.89	1221	276.47	658.05
4	633	165.62	169.75	165.62	21.87	1223	274.26	660.26
3	503	109.35	114.52	109.36	20.62	1227	271.68	662.84
2	423	74.64	79.97	74.63	20.35	1229	271.38	663.14
1	358	46.36	51.21	46.36	20.00	1230	272.73	661.79

Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-26
 Project No: 4-73803 Probe Type: Westbay
 Date: 5/26/05 Serial No.: 2508
 Personnel: Marco Mendoza, Chase Brogdon
 Datum: TOC Casing Size/Type: 1.5" Westbay

Elevation of Datum (Ft. + MSL):

Weather: clear and warm

Ambient Readings	Start	Finish
Time	1246	1251
Pressure (psia)	14.15	14.14
Temperature (°C)	23.83	20.54

Screen No.	Depth (ft. BTOC)	Fluid Pressure Readings			Temp. (°C)	Time	Piezometric Level Outside Port (ft.)	Water Level Elevation (ft.)		
		Inside Casing (psia)	Outside Casing (psia)	Inside Casing (psia)						
2	215	83.48	83.55	83.53	22.47	1248				
									54.89	-54.89
1	135	49.18	45.72	49.17	21.38	1250				
									62.17	-62.17