

## **ATTACHMENT 5: WATER LEVEL MEASUREMENTS**

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This attachment contains water level measurements for the Westbay™ multiport JPL monitoring wells obtained during the third 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.

# GEOFON, Inc.

## 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: 7/18/05 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             | 916   | 929    |
| Pressure (psia)  | 14.13 | 14.09  |
| Temperature (°C) | 19.18 | 17.19  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 653                 | 249.38                     | 263.43                | 249.37                     | 20.46         | 919  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 77.86                                         | 1022.48                           |
| 4          | 558                 | 208.13                     | 222.38                | 208.17                     | 22.09         | 924  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 77.57                                         | 1022.77                           |
| 3          | 346                 | 116.02                     | 133.39                | 116.00                     | 21.50         | 926  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 70.87                                         | 1029.47                           |
| 2          | 252                 | 75.18                      | 92.78                 | 75.18                      | 20.28         | 927  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 70.55                                         | 1029.79                           |
| 1          | 172                 | 40.42                      | 59.74                 | 40.44                      | 18.55         | 928  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 66.78                                         | 1033.56                           |

# GEOFON, Inc.

## 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: 7/18/05 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: clear and hot

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1330  | 1339   |
| Pressure (psia)  | 14.12 | 14.15  |
| Temperature (°C) | 22.19 | 19.93  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 513                 | 139.41                     | 213.32                | 139.38                     | 22.20         | 1333 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 53.45                                         | 1029.39                           |
| 4          | 392                 | 86.80                      | 160.97                | 86.83                      | 22.07         | 1335 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 53.22                                         | 1029.62                           |
| 3          | 322                 | 56.34                      | 131.14                | 56.35                      | 21.64         | 1336 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 52.03                                         | 1030.81                           |
| 2          | 240                 | 20.67                      | 95.91                 | 20.68                      | 21.12         | 1337 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 51.31                                         | 1031.53                           |
| 1          | 150                 | 14.16                      | 59.94                 | 14.16                      | 20.48         | 1338 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 44.29                                         | 1038.55                           |

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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: 7/18/05 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             | 856   | 907    |
| Pressure (psia)  | 14.08 | 14.09  |
| Temperature (°C) | 22.38 | 17.75  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 639                 | 241.37                     | 239.71                | 241.39                     | 21.60         | 900  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 118.47                                        | 1020.83                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 4          | 524                 | 191.87                     | 195.87                | 191.88                     | 21.44         | 902  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 104.61                                        | 1034.69                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 3          | 429                 | 151.01                     | 153.96                | 150.98                     | 20.84         | 903  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 106.30                                        | 1033.00                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 259                 | 77.40                      | 82.19                 | 77.41                      | 19.51         | 905  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 101.87                                        | 1037.43                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 149                 | 30.15                      | 40.53                 | 30.13                      | 18.34         | 906  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 87.98                                         | 1051.32                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

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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: 7/18/05 Serial No.: 2508  
 Personnel: Marco Mendoza, Chase Brogdon  
 Datum: \_\_\_\_\_ Casing Size/Type: 1.5" Westbay  
 Elevation of Datum (Ft. + MSL): 1,102.14  
 Weather: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1311  | 1320   |
| Pressure (psia)  | 14.09 | 14.06  |
| Temperature (°C) | 25.84 | 17.78  |

| Screen No. | Depth<br>(Ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 548                 | 198.29                     | 217.96                | 198.29                     | 22.65         | 1315 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 77.67                                      | 1024.47                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 436                 | 149.64                     | 171.99                | 149.65                     | 22.22         | 1316 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 71.72                                      | 1030.42                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 323                 | 100.48                     | 123.77                | 100.47                     | 20.95         | 1317 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 69.97                                      | 1032.17                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 243                 | 65.62                      | 89.64                 | 65.63                      | 19.80         | 1318 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 68.71                                      | 1033.43                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 140                 | 20.76                      | 48.72                 | 20.76                      | 18.72         | 1319 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 60.11                                      | 1042.03                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

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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: 7/18/05 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             | 804   | 818    |
| Pressure (psia)  | 14.10 | 14.07  |
| Temperature (°C) | 19.70 | 19.09  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 540                 | 193.08                     | 190.24                | 193.06                     | 21.05         | 810  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 133.65                                        | 1039.82                           |
| 4          | 456                 | 156.54                     | 153.88                | 156.53                     | 20.90         | 812  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 133.53                                        | 1039.94                           |
| 3          | 382                 | 124.35                     | 121.83                | 124.33                     | 20.12         | 814  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 133.47                                        | 1040.00                           |
| 2          | 277                 | 78.64                      | 76.49                 | 78.66                      | 19.58         | 816  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 133.07                                        | 1040.40                           |
| 1          | 207                 | 48.15                      | 46.62                 | 48.16                      | 19.25         | 817  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 131.98                                        | 1041.49                           |

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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: 7/18/05 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: clear and warm

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

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                              |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|------------------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia)        | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 726                 |                            | No readings due to equipment |                            |               |      |                                               |                                   |
|            |                     |                            | present in well casing       |                            |               |      |                                               |                                   |
|            |                     |                            |                              |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                              |                            |               |      |                                               |                                   |
| 4          | 582                 |                            | No readings due to equipment |                            |               |      |                                               |                                   |
|            |                     |                            | present in well casing       |                            |               |      |                                               |                                   |
|            |                     |                            |                              |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                              |                            |               |      |                                               |                                   |
| 3          | 468                 |                            | No readings due to equipment |                            |               |      |                                               |                                   |
|            |                     |                            | present in well casing       |                            |               |      |                                               |                                   |
|            |                     |                            |                              |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                              |                            |               |      |                                               |                                   |
| 2          | 370                 |                            | No readings due to equipment |                            |               |      |                                               |                                   |
|            |                     |                            | present in well casing       |                            |               |      |                                               |                                   |
|            |                     |                            |                              |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                              |                            |               |      |                                               |                                   |
| 1          | 250                 |                            | No readings due to equipment |                            |               |      |                                               |                                   |
|            |                     |                            | present in well casing       |                            |               |      |                                               |                                   |
|            |                     |                            |                              |                            |               |      | #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-18  
 Project No: 4-73803 Probe Type: Westbay  
 Date: 7/18/05 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: \_\_\_\_\_

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1117  | 1131   |
| Pressure (psia)  | 14.02 | 14.02  |
| Temperature (°C) | 21.63 | 16.22  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 684                 | 156.85                     | 217.56                | 156.84                     | 20.91         | 1121 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 214.43                                        | 1010.98                           |
| 4          | 564                 | 104.70                     | 167.96                | 104.71                     | 20.94         | 1123 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 208.86                                        | 1016.55                           |
| 3          | 424                 | 43.86                      | 110.02                | 43.85                      | 19.18         | 1125 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 202.53                                        | 1022.88                           |
| 2          | 330                 | 14.17                      | 69.96                 | 14.19                      | 16.93         | 1128 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 200.95                                        | 1024.46                           |
| 1          | 270                 | 14.15                      | 44.63                 | 14.17                      | 16.57         | 1129 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 199.38                                        | 1026.03                           |

# GEOFON, Inc.

## 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: 7/18/05 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: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1048  | 1056   |
| Pressure (psia)  | 14.09 | 14.11  |
| Temperature (°C) | 25.08 | 17.54  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 498                 | 176.48                     | 176.57                | 176.48                     | 21.67         | 1051 | 123.16                                     | 1019.78                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 444                 | 153.13                     | 153.18                | 153.12                     | 20.70         | 1052 | 123.12                                     | 1019.82                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 392                 | 130.62                     | 130.68                | 130.60                     | 19.93         | 1053 | 123.03                                     | 1019.91                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 314                 | 96.87                      | 96.58                 | 96.87                      | 19.24         | 1054 | 123.70                                     | 1019.24                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 242                 | 65.68                      | 65.64                 | 65.68                      | 18.46         | 1055 | 123.07                                     | 1019.87                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

# GEOFON, Inc.

## 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: 7/18/05 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             | 1143  | 1159   |
| Pressure (psia)  | 14.04 | 14.06  |
| Temperature (°C) | 20.41 | 17.00  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 900                 | 305.33                     | 334.26                | 305.32                     | 21.71         | 1047 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 161.25                                        | 1003.80                           |
| 4          | 700                 | 218.38                     | 245.24                | 218.35                     | 21.98         | 1152 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 166.62                                        | 998.43                            |
| 3          | 562                 | 158.38                     | 181.57                | 158.40                     | 21.17         | 1153 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 175.51                                        | 989.54                            |
| 2          | 392                 | 84.49                      | 113.34                | 84.47                      | 19.47         | 1155 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 162.91                                        | 1002.14                           |
| 1          | 230                 | 14.17                      | 42.83                 | 14.16                      | 17.61         | 1157 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 163.58                                        | 1001.47                           |

# GEOFON, Inc.

## 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: 7/18/05 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: clear and mild

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 733   | 742    |
| Pressure (psia)  | 14.11 | 14.11  |
| Temperature (°C) | 20.60 | 18.78  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 372                 | 126.57                     | 164.35                | 126.59                     | 20.20         | 736  | 25.40                                         | 1033.70                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 4          | 310                 | 99.62                      | 137.51                | 99.60                      | 20.13         | 737  | 25.32                                         | 1033.78                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 3          | 240                 | 69.60                      | 107.63                | 69.59                      | 19.72         | 738  | 24.25                                         | 1034.85                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 161                 | 35.19                      | 73.47                 | 35.16                      | 19.25         | 740  | 24.06                                         | 1035.04                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 90                  | 14.14                      | 42.27                 | 14.15                      | 18.90         | 741  | 25.03                                         | 1034.07                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

# GEOFON, Inc.

## 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: 7/18/05 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             | 958   | 1007   |
| Pressure (psia)  | 14.09 | 14.06  |
| Temperature (°C) | 19.51 | 19.92  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 588                 | 200.32                     | 206.33                | 200.37                     | 20.78         | 10   |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 144.50                                        | 1032.48                           |
| 4          | 467                 | 147.98                     | 154.91                | 147.96                     | 21.28         | 1002 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 142.13                                        | 1034.85                           |
| 3          | 389                 | 114.17                     | 122.49                | 114.16                     | 21.14         | 1004 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 138.92                                        | 1038.06                           |
| 2          | 329                 | 88.13                      | 96.49                 | 88.12                      | 20.85         | 1005 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 138.90                                        | 1038.08                           |
| 1          | 245                 | 51.29                      | 60.53                 | 51.26                      | 20.29         | 1006 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 137.86                                        | 1039.12                           |

# GEOFON, Inc.

## 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: 7/18/05 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             | 710   | 721    |
| Pressure (psia)  | 14.07 | 14.09  |
| Temperature (°C) | 26.41 | 20.02  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 542                 | 205.89                     | 215.41                | 205.91                     | 23.60         | 713  | 77.51                                      | 1031.33                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 445                 | 163.88                     | 173.57                | 163.90                     | 22.62         | 715  | 77.03                                      | 1031.81                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 319                 | 109.31                     | 120.39                | 109.31                     | 21.85         | 716  | 73.72                                      | 1035.12                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 254                 | 81.15                      | 92.35                 | 81.14                      | 21.06         | 718  | 73.41                                      | 1035.43                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 174                 | 46.38                      | 58.85                 | 46.40                      | 20.47         | 719  | 70.69                                      | 1038.15                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

# GEOFON, Inc.

## 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: 7/18/05 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: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 831   | 842    |
| Pressure (psia)  | 14.06 | 14.08  |
| Temperature (°C) | 20.80 | 20.49  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 678                 | 197.25                     | 232.97                | 197.27                     | 21.46         | 835  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 172.97                                        | 1027.97                           |
| 4          | 554                 | 143.57                     | 180.46                | 143.55                     | 21.63         | 836  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 170.12                                        | 1030.82                           |
| 3          | 435                 | 92.01                      | 130.36                | 91.98                      | 21.49         | 838  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 166.70                                        | 1034.24                           |
| 2          | 373                 | 65.14                      | 103.91                | 65.13                      | 21.38         | 839  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 165.72                                        | 1035.22                           |
| 1          | 279                 | 24.37                      | 64.91                 | 24.38                      | 21.02         | 841  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 161.69                                        | 1039.25                           |

**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: 7/18/05 Serial No.: 2508  
 Personnel: Marco Mendoza, Chase Brogdon  
 Datum: TOC Casing Size/Type: 1.5" Westbay  
 Elevation of Datum (Ft. + MSL): 934.52  
 Weather: clear and warm

| <b>Ambient Readings</b> | Start | Finish |
|-------------------------|-------|--------|
| Time                    | 1216  | 1233   |
| Pressure (psia)         | 14.24 | 14.22  |
| Temperature (°C)        | 24.33 | 19.82  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 713                 | 199.99                     | 204.56                | 200.00                     | 22.94         | 1221 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 273.93                                        | 660.59                            |
| 4          | 633                 | 165.51                     | 170.87                | 165.51                     | 21.82         | 1226 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 271.65                                        | 662.87                            |
| 3          | 503                 | 109.28                     | 115.71                | 109.26                     | 21.28         | 1228 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 268.91                                        | 665.61                            |
| 2          | 423                 | 74.56                      | 81.26                 | 74.53                      | 20.76         | 1230 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 268.38                                        | 666.14                            |
| 1          | 358                 | 46.26                      | 52.43                 | 46.25                      | 20.37         | 1231 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 269.90                                        | 664.62                            |

### Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-26  
 Project No: 4-73803 Probe Type: Westbay  
 Date: 7/18/05 Serial No.: 2508  
 Personnel: Marco Mendoza, Chase Brogdon  
 Datum: TOC Casing Size/Type: 1.5" Westbay  
 Elevation of Datum (Ft. + MSL): 1,059.08  
 Weather: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1249  | 1253   |
| Pressure (psia)  | 14.12 | 14.10  |
| Temperature (°C) | 24.39 | 20.40  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 215                 | 82.17                      | 82.25                 | 82.27                      | 22.98         | 1251 |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 57.82                                         | 1001.26                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 135                 | 47.81                      | 44.95                 | 47.70                      | 21.34         | 1252 |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 63.88                                         | 995.20                            |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 820   | 839    |
| Pressure (psia)  | 14.18 | 14.35  |
| Temperature (°C) | 21.72 | 17.23  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 653                 | 249.17                     | 249.18                | 249.19                     | 22.59         | 824  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 110.86                                        | 989.49                            |
| 4          | 558                 | 207.97                     | 221.64                | 208.04                     | 22.78         | 829  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 79.39                                         | 1020.95                           |
| 3          | 346                 | 115.94                     | 132.26                | 116.10                     | 20.96         | 834  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 73.59                                         | 1026.75                           |
| 2          | 252                 | 75.12                      | 91.57                 | 75.07                      | 20.25         | 835  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 73.46                                         | 1026.88                           |
| 1          | 172                 | 40.52                      | 58.10                 | 40.56                      | 17.90         | 838  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 70.68                                         | 1029.66                           |

# GEOFON, Inc.

## 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: 8/19/05 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: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1136  | 1146   |
| Pressure (psia)  | 14.19 | 14.35  |
| Temperature (°C) | 24.04 | 19.98  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 513                 | 139.68                     | 212.36                | 139.70                     | 23.22         | 1139 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 55.82                                         | 1027.02                           |
| 4          | 392                 | 87.13                      | 159.94                | 87.20                      | 22.66         | 1141 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 55.75                                         | 1027.09                           |
| 3          | 322                 | 56.70                      | 130.07                | 56.80                      | 22.23         | 1142 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 54.66                                         | 1028.18                           |
| 2          | 240                 | 21.00                      | 94.56                 | 21.08                      | 21.54         | 1144 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 54.59                                         | 1028.25                           |
| 1          | 150                 | 14.41                      | 57.65                 | 14.47                      | 20.46         | 1145 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 49.74                                         | 1033.10                           |

# GEOFON, Inc.

## 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: 8/19/05 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             | 848   | 859    |
| Pressure (psia)  | 14.15 | 14.15  |
| Temperature (°C) | 19.56 | 17.26  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 639                 | 241.20                     | 238.61                | 241.21                     | 20.25         | 852  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 121.17                                        | 1018.13                           |
| 4          | 524                 | 191.69                     | 194.86                | 191.70                     | 20.70         | 853  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 107.10                                        | 1032.20                           |
| 3          | 429                 | 150.83                     | 152.76                | 153.82                     | 20.34         | 854  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 109.23                                        | 1030.07                           |
| 2          | 259                 | 77.20                      | 80.73                 | 77.22                      | 18.35         | 857  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 105.40                                        | 1033.90                           |
| 1          | 149                 | 29.91                      | 39.15                 | 29.92                      | 17.64         | 858  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 91.33                                         | 1047.98                           |

# GEOFON, Inc.

## 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: 8/19/05 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             | 1115  | 1127   |
| Pressure (psia)  | 14.14 | 14.94  |
| Temperature (°C) | 27.15 | 18.09  |

| Screen No. | Depth<br>(Ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 548                 | 198.35                     | 217.43                | 198.32                     | 23.72         | 1118 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 79.01                                      | 1023.13                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 436                 | 149.50                     | 171.13                | 149.66                     | 22.58         | 1121 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 73.82                                      | 1028.32                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 323                 | 100.54                     | 122.68                | 100.51                     | 20.31         | 1123 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 72.60                                      | 1029.54                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 243                 | 65.50                      | 88.41                 | 65.57                      | 19.56         | 1124 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 71.66                                      | 1030.48                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 140                 | 20.75                      | 46.45                 | 20.73                      | 18.63         | 1126 |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 65.46                                      | 1036.68                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 730   | 739    |
| Pressure (psia)  | 14.10 | 14.15  |
| Temperature (°C) | 19.16 | 19.03  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 540                 | 192.83                     | 189.25                | 192.86                     | 19.87         | 733  | 135.93                                        | 1037.54                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 4          | 456                 | 156.33                     | 152.87                | 156.33                     | 20.28         | 734  | 135.86                                        | 1037.61                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 3          | 382                 | 124.14                     | 120.81                | 124.12                     | 20.11         | 735  | 135.82                                        | 1037.65                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 277                 | 78.43                      | 75.43                 | 78.44                      | 19.57         | 736  | 135.51                                        | 1037.96                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 207                 | 47.95                      | 45.58                 | 47.93                      | 19.17         | 738  | 134.38                                        | 1039.09                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 935   | 945    |
| Pressure (psia)  | 14.20 | 14.28  |
| Temperature (°C) | 21.60 | 17.05  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 726                 | 167.35                     | 253.17                | 167.37                     | 20.90         | 938  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 174.70                                        | 1016.51                           |
| 4          | 582                 | 104.86                     | 191.06                | 104.88                     | 20.45         | 940  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 173.98                                        | 1017.23                           |
| 3          | 468                 | 55.29                      | 141.58                | 55.32                      | 19.10         | 941  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 174.13                                        | 1017.08                           |
| 2          | 370                 | 14.50                      | 100.66                | 14.53                      | 17.97         | 943  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 170.54                                        | 1020.67                           |
| 1          | 250                 | 14.44                      | 50.02                 | 14.49                      | 17.37         | 944  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 167.36                                        | 1023.85                           |

# GEOFON, Inc.

## 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: 8/19/05 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             | 952   | 1013   |
| Pressure (psia)  | 14.16 | 14.33  |
| Temperature (°C) | 20.72 | 16.83  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 684                 | 156.50                     | 217.25                | 156.59                     | 21.28         | 1000 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 215.47                                        | 1009.94                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 4          | 564                 | 104.31                     | 167.74                | 104.27                     | 20.92         | 1002 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 209.69                                        | 1015.72                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 3          | 424                 | 43.46                      | 109.44                | 43.59                      | 19.25         | 1005 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 204.19                                        | 1021.22                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 330                 | 14.36                      | 68.51                 | 14.39                      | 17.87         | 1007 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 204.61                                        | 1020.80                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 270                 | 14.43                      | 42.79                 | 14.45                      | 17.23         | 1009 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 203.95                                        | 1021.46                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 851   | 901    |
| Pressure (psia)  | 14.17 | 14.25  |
| Temperature (°C) | 20.33 | 17.33  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 498                 | 175.44                     | 176.93                | 175.48                     | 19.38         | 853  |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 122.51                                     | 1020.43                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 444                 | 152.05                     | 152.53                | 152.57                     | 19.17         | 855  |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 124.80                                     | 1018.14                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 392                 | 129.47                     | 129.89                | 129.44                     | 18.86         | 856  |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 125.03                                     | 1017.91                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 314                 | 95.73                      | 95.76                 | 95.75                      | 18.62         | 858  |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 125.77                                     | 1017.17                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 242                 | 64.46                      | 64.34                 | 64.48                      | 17.85         | 900  |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      | 126.26                                     | 1016.68                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 1023  | 1039   |
| Pressure (psia)  | 14.09 | 14.30  |
| Temperature (°C) | 23.39 | 17.69  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 900                 | 304.60                     | 333.52                | 304.62                     | 22.55         | 1027 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 163.07                                        | 1001.98                           |
| 4          | 700                 | 217.59                     | 245.13                | 217.57                     | 22.42         | 1030 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 166.99                                        | 998.06                            |
| 3          | 562                 | 157.50                     | 182.13                | 157.67                     | 21.63         | 1032 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 174.33                                        | 990.72                            |
| 2          | 392                 | 83.90                      | 112.77                | 83.86                      | 19.10         | 1036 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 164.35                                        | 1000.70                           |
| 1          | 230                 | 14.43                      | 41.91                 | 14.45                      | 18.07         | 1037 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 165.82                                        | 999.23                            |

# GEOFON, Inc.

## 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: 8/19/05 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             | 716   | 725    |
| Pressure (psia)  | 14.34 | 14.30  |
| Temperature (°C) | 19.70 | 19.01  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 372                 | 126.13                     | 163.32                | 126.12                     | 19.78         | 718  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 28.30                                         | 1030.80                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 4          | 310                 | 99.16                      | 136.46                | 99.15                      | 19.98         | 720  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 28.27                                         | 1030.83                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 3          | 240                 | 69.17                      | 106.62                | 69.20                      | 19.68         | 721  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 27.11                                         | 1031.99                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 161                 | 32.53                      | 52.64                 | 32.53                      | 19.28         | 723  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 72.64                                         | 986.46                            |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 90                  | 14.34                      | 41.16                 | 14.37                      | 19.21         | 724  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 28.13                                         | 1030.97                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 736   | 750    |
| Pressure (psia)  | 14.21 | 14.35  |
| Temperature (°C) | 18.37 | 20.14  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 588                 | 200.46                     | 205.33                | 200.41                     | 20.62         | 740  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 147.09                                        | 1029.89                           |
| 4          | 467                 | 148.06                     | 154.84                | 148.06                     | 21.19         | 743  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 142.57                                        | 1034.41                           |
| 3          | 389                 | 114.11                     | 142.97                | 114.17                     | 21.13         | 745  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 91.95                                         | 1085.03                           |
| 2          | 329                 | 88.21                      | 95.28                 | 88.24                      | 20.66         | 747  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 141.97                                        | 1035.01                           |
| 1          | 245                 | 51.39                      | 59.03                 | 51.35                      | 20.30         | 749  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 141.60                                        | 1035.38                           |

# GEOFON, Inc.

## 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: 8/19/05 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 mild

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 654   | 704    |
| Pressure (psia)  | 14.10 | 14.32  |
| Temperature (°C) | 19.56 | 20.04  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level Outside<br>Port (ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|--------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                            |                                   |
| 5          | 542                 | 205.90                     | 214.51                | 205.93                     | 20.87         | 657  | 79.65                                      | 1029.19                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 4          | 445                 | 163.87                     | 172.56                | 163.87                     | 21.13         | 659  | 79.43                                      | 1029.41                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 3          | 319                 | 109.28                     | 119.20                | 109.27                     | 20.91         | 700  | 76.53                                      | 1032.31                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 2          | 254                 | 81.16                      | 91.08                 | 81.17                      | 20.54         | 702  | 76.41                                      | 1032.43                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
| 1          | 174                 | 46.38                      | 57.14                 | 46.40                      | 20.19         | 703  | 74.71                                      | 1034.13                           |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |
|            |                     |                            |                       |                            |               |      |                                            |                                   |

# GEOFON, Inc.

## 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: 8/19/05 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             | 759   | 808    |
| Pressure (psia)  | 14.18 | 14.28  |
| Temperature (°C) | 19.62 | 20.68  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 678                 | 236.26                     | 236.07                | 236.30                     | 20.98         | 802  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 166.10                                        | 1034.84                           |
| 4          | 554                 | 182.45                     | 179.42                | 182.53                     | 21.38         | 803  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 172.79                                        | 1028.15                           |
| 3          | 435                 | 131.04                     | 129.06                | 131.01                     | 21.42         | 805  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 169.97                                        | 1030.97                           |
| 2          | 373                 | 103.97                     | 102.42                | 104.07                     | 21.52         | 806  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 169.43                                        | 1031.51                           |
| 1          | 279                 | 63.35                      | 62.88                 | 63.41                      | 21.14         | 807  |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 166.65                                        | 1034.29                           |

**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: \_\_\_\_\_ Serial No.: 2508  
 Personnel: Marco Mendoza, Chase Brogdon  
 Datum: TOC Casing Size/Type: 1.5" Westbay  
 Elevation of Datum (Ft. + MSL): 934.52  
 Weather: clear and warm

| <b>Ambient Readings</b> | <b>Start</b> | <b>Finish</b> |
|-------------------------|--------------|---------------|
| Time                    |              |               |
| Pressure (psia)         |              |               |
| Temperature (°C)        |              |               |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                           |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|---------------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia)     | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
| 5          | 713                 |                            | Not available due to      |                            |               |      |                                               |                                   |
|            |                     |                            | equipment present in well |                            |               |      |                                               |                                   |
|            |                     |                            |                           |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                           |                            |               |      |                                               |                                   |
| 4          | 633                 |                            | Not available due to      |                            |               |      |                                               |                                   |
|            |                     |                            | equipment present in well |                            |               |      |                                               |                                   |
|            |                     |                            |                           |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                           |                            |               |      |                                               |                                   |
| 3          | 503                 |                            | Not available due to      |                            |               |      |                                               |                                   |
|            |                     |                            | equipment present in well |                            |               |      |                                               |                                   |
|            |                     |                            |                           |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                           |                            |               |      |                                               |                                   |
| 2          | 423                 |                            | Not available due to      |                            |               |      |                                               |                                   |
|            |                     |                            | equipment present in well |                            |               |      |                                               |                                   |
|            |                     |                            |                           |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                           |                            |               |      |                                               |                                   |
| 1          | 358                 |                            | Not available due to      |                            |               |      |                                               |                                   |
|            |                     |                            | equipment present in well |                            |               |      |                                               |                                   |
|            |                     |                            |                           |                            |               |      | #DIV/0!                                       | #DIV/0!                           |
|            |                     |                            |                           |                            |               |      |                                               |                                   |

### Field Data Sheet for Multi-Port Monitoring Wells

Project Name: JPL Pasadena Well ID: MW-26  
 Project No: 4-73803 Probe Type: Westbay  
 Date: 8/19/05 Serial No.: 2508  
 Personnel: Marco Mendoza, Chase Brogdon  
 Datum: TOC Casing Size/Type: 1.5" Westbay  
 Elevation of Datum (Ft. + MSL): 1,059.08  
 Weather: clear and warm

| Ambient Readings | Start | Finish |
|------------------|-------|--------|
| Time             | 1051  | 1059   |
| Pressure (psia)  | 14.17 | 14.40  |
| Temperature (°C) | 23.38 | 19.90  |

| Screen No. | Depth<br>(ft. BTOC) | Fluid Pressure Readings    |                       |                            | Temp.<br>(°C) | Time | Piezometric<br>Level<br>Outside Port<br>(ft.) | Water Level<br>Elevation<br>(ft.) |
|------------|---------------------|----------------------------|-----------------------|----------------------------|---------------|------|-----------------------------------------------|-----------------------------------|
|            |                     | Inside<br>Casing<br>(psia) | Outside Casing (psia) | Inside<br>Casing<br>(psia) |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 2          | 215                 | 81.81                      | 81.79                 | 81.83                      | 20.90         | 1056 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 59.00                                         | 1000.08                           |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
| 1          | 135                 | 47.34                      | 44.42                 | 47.23                      | 20.35         | 1058 |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      |                                               |                                   |
|            |                     |                            |                       |                            |               |      | 65.21                                         | 993.87                            |
|            |                     |                            |                       |                            |               |      |                                               |                                   |



## Pre- SHALLOW WELL SOUNDING LOG

Project No.: 4-73803

[illegible]



## Post- SHALLOW WELL SOUNDING LOG

Project No.: 4-73803

[illegible]