This attachment contains water level measurements for the JPL relatively shallow standpipe monitoring wells (MW-1, MW-5 through MW-10, MW-13, MW-15, and MW-16) and the Westbay[™] multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26) obtained during the 3rd Quarter 2019. Water level measurements were recorded before the sampling event on July 19, 2019 for the relatively shallow standpipe monitoring wells and July 19, 24 and 25, 2019 for the Westbay[™] multiport wells. Water level measurements were recorded after the sampling event on August 2, 2019 for the relatively shallow standpipe monitoring wells and the Westbay[™] multiport wells. Water levels for the shallow standpipe monitoring wells and the Westbay[™] multiport wells. Water levels for the shallow wells were measured using a Solinst[™] water level meter. In the deep multiport wells, the hydraulic head at each sampling port was measured with a Westbay[™] MOSDAX sampling probe. Water level measurements were conducted by Blaine Tech Services, Inc.

WELL GAUGING DATA

Project # 190719-14141 Date 07/19/19 Client Title water Site DPL Pasadena, CA

| Well ID | Well Size (in.) | Time Gauged | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC |
|---------|-----------------------|----------------|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|---------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| MW-1 | 4 | 1000 | | 5 | | | 24,66 | Ded | |
| MW-5 | 4 | 0815 | | | | | 96,20 | point | |
| MW-6 | 4 | 0854 | | 1 1 1 1 1 1 1 1 1 1 1 | | 2 2 3 5 7 9 | 214,70 | pump | |
| MW-7 | 4 | 0635 | | | | | 230,44 161,03 18:65 | Deg | |
| MW-8 | 4 | 1145 | | 5 1 5 1 6 1 7 1 7 1 3 1 7 | | 1 1 1 1 1 1 2 2 | 161,03 | Ded | |
| MW-9 | 4 | 0955 | | | | 8 8 8 8 8 8 | 18:65 | Deg pump | |
| MW-10 | 4 | 6645 | | | | | 110,80 | ped | |
| MW-13 | 4 | 0639 | | | | | 205,81 | Ded pump | |
| MW-15 | 4 | 0818 | | | | | 30.41 | Ped | |
| MW-16 | Ý | 1319 | | | | | 257.85 | 284,70 | \mathbb{V} |
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| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | WELL ID: | MW-3 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
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| $\frac{\text{ELEV. TOP OF WASTBAY CASING}}{\text{WEATHER: } (lear$ | | | DATE: 07 | 119/19 | | | | | | | - |
| WEATHER: (Jean ATM. PRESSURE (Patm): (start) /4/05 (finish) /4/07 DTW - 184,381 ATM. PRESSURE (Patm): (start) /4/05 (finish) /4/07 DTW - 184,381 Temp: 73.5% (30.21° (finish) /4/07 Depth to Meas. Pressure Readings (psi) True Port Valve (ft) True Port Valve (ft) True Port Valve (ft) Pressure Readings (psi) Pressure Readings (psi) Pressure Readings (psi) Pressure Read Outside Depth to Water Outside Port (ft) Depth (Dp) (ft) True Port Depth (Dp) (ft) Time 5 653 653 653 /014 3 346 3419.38 23.72 204.01 141.94 143.06 558 <th< td=""><td></td><td></td><td>LOCATION:</td><td>JPL.</td><td></td><td></td><td></td><td>PROJECT</td><td>JPL Pasadena</td><td></td><td></td></th<> | | | LOCATION: | JPL. | | | | PROJECT | JPL Pasadena | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | ELEV. TOP OF | WASTBAY CASING | } | 1100.34 | | OPERATOR(S) T. H | | | - |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | (start) 14,05 (| finish) 14,07 | |
| Port No. Port Valve (ft) psi haide Casing kg/cm ² outside Casing Trans. Temp. (oC) Pressure Head Outside Port (ft) P(ft) = (P2-Patm) ¹ 2.307 ft/psi) Depth to Water Outside Port (ft) DTW = Dp.P(ft) True Port Depth (Dp) (ft) Time 5 653 650 $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/38$ $2/3/87$ $2/8/88$ $2/3/87$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ $2/8/88$ | | | PTU | v = 1841 | 381 | | | Temp: | J 22 EE | 20.21°C | |
| Port No. From Log (Dp) From Cable From Cable From Ride Casing kg/cm [*] Duside Casing mH ^o Inside Casing Trans. Temp. (oC) Port (ft) P(ft)=(P2.Patm) ¹ 2.307 ft/psi) Port (ft) DTW = Dp.P(ft) True Port Depth (Dp) (ft) Time 5 653 650 $2/8/38$ $233/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/38$ $23/87$ $2/8/87$ $2/8/87$ $23/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ $2/8/87$ 2 | | | | | · · · · · · · · · · · · · · · · · · · | eadings (psi) | 1 | Processe Hood Outside | Denth to Illiniae Outside | | 7 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Port No. | From | From | | Outside Casing | | | Port (ft) | Port (ft) | | Time |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 5 | 653 | 650 | 218,38 | 233,27 | 218.38 | 23,10 | 505.74 | 147.26 | 653 | 1014 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 4 | 558 | 556 | 177,13 | 193,91 | 177,13 | 23,23 | 414.94 | 143.06 | 558 · | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 3 | 346 | 344 | 84,98 | 102,48 | 84,98 | 22.32 | 204.01 | 141.99 | 346 | |
| | 2 | 252 | 250 | 44,06 | 63.46 | | | 113.99 | 138.01 | 252 | |
| Image: Sector of the sector of th | 1 | 172 | 170 | 14.11 | 34,62 | 14.11 | | 47.45 | 124.55 | 172 | |
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Comments: Collar Detect is 2' above sample port

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| | | WELL ID: | MW-4 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|----------------------------------|----------------|
| | | DATE: 07 | 129/19 | | | | SERIAL NO. 2508 | | • | _ |
| | | LOCATION: | JPL | ······································ | | | PROJECT | JPL Pasadena | | - |
| | | ELEV. TOP OF | WASTBAY CASING |) | 1082.84 | | OPERATOR(S) T. H | oan | | _ |
| | | WEATHER: (| leon | , | | | ATM. PRESSURE (Palm): | (start) 14,12 (1 | inish) 14, 14 | - |
| | | PTW- | 154.42 | | | | Temp: | 22,10% | 21.59°C | - |
| | | o Meas. alve (ft) | | ····· | eadings (psi) | Y | Pressure Head Outside | Depth to Water Outside | | (|
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (fr) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ff) | True Port Depth (Dp) (ft) | Time |
| 5 | 513 | 511 | 170,78 | 184,12 | 170,78 | 21,56 | 392.19 | 120.81 | 513 | 0704 |
| 4 | 392 | 390 | | 131.75 | | 19,55 | 271.37 | 120.63 | 392 | 0730 |
| 3 | 322 | 320 | 87,49 | 101,40 | 87,49 | 20,69 | 201.35 | 120.65 | 322 | 0735 |
| 2 | 240 | 238 | 51.62 | 66,50 | 51,62 | RR193 | 120.84 | 119.16 | 240 | 0745 |
| 1 | 150 | 148 | 14.24 | 33,98 | 14.24 | 81,43 | 45.82 | 104.18 | 150 | 0747 |
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Comments Collar Detect is 2' above sample port

| | | WELL ID: | MW-11 | | ···· | | PROBE TYPE | Westbay Sampler 0-500psi | | _ |
|----------|------------------|----------------------------|------------------------|--------------------------------|-------------------------|----------------------|--------------------------------------------|--------------------------|---------------------------------|------|
| ť | | DATE: 07 | 119/19 | | | | SERIAL NO. 2502 | > | | - |
| ,, | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | _ |
| | | | WASTBAY CASING | | 1139.3 | | OPERATOR(S) T-HO | ran | | - |
| | | WEATHER: | (lear | • | | | ATM. PRESSURE (Palm): | (start) MIOGO (| finish) 14108 | _ |
| | | PTW | <u>(lear</u> -168.8 | ?/: | | | Temp: | M.83C | 19.65 °C | |
| | | to Meas. | | Pressure R | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | (|
| Port No. | From Log (Dp) | alve (ft) From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | ∞_mH²O Inside Casing | Trans. Temp. (oC) | Port (fl) P(fl)=(P2-Palm)*2.307 fl/psi) | Port (ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 639 | 637 | 217.41 | 202,28 | 217.41 | 80.07 | 434.22 | 204.78 | 639 | 0802 |
| 4 | 524 | 522 | 167.88 | 168.72 | 167,88 | 20.67 | 356.80 | 167.20 | 524 | 0804 |
| 3 | 429 | 427 | 127,13 | 126.16 | 127,13 | 20.44 | 258.61 | 170.39 | 429 | 0866 |
| 2 | 259 | 259 | 53.43 | 56.96 | 53,43 | 19.31 | 98.97 | 160.03 | 259 . | 0808 |
| | 149 | 149 | 14,18 | 27,71 | 14,12 | 18.36 | 31.49 | 117.51 | 149 | 0810 |
| | | | | | | | | | | |
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Comments: Collar Detect is 6" above sample port

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| | | WELL ID: | MW-12 | | | | PROBE TYPE | Westbay Sempler 0-500psi | | |
|----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|------------------------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------|-------|
| | | DATE: 07 | 119/19 | | | | SERIAL NO. 4725 | 502 | | ~~~ |
| | | LOCATION: | JPL | | | | - | JPL Pasadena | | |
| | | And the second s | WASTBAY CASING | | 1102.14 | | OPERATOR(S) T. H | ocus | | - |
| | | WEATHER: (| Clerr | - | | | ATM. PRESSURE (Patm): | (start) 14,05 | finish) 14,07 | |
| | | DTW | - 130.80 | ĵ' | | | Temp: | 19.03 % | 18,736 | _ |
| | | to Meas. | | Pressure R | eadings (psi) | | Pressure Head Outside | | | [7 |
| Port No. | From Log (Dp) | alve (ft) From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH [*] O Inside Casing | Trans. Temp. (oC) | Port (ft) Port (ft) P(ft)=(P2-Patm)'2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 548 | 548 | 196,36 | 17A,58 | 19636 | 19.85 | 381.88 | 166.12 | 548 | 0830 |
| 4 | 436 | 436 | 147,74 | 14/140 | | 20.48 | 293.80 | 142.20 | 436 | 0832 |
| 3 | 323 | 323 | 98,45 | 94,68 | 98.45 | 19,90 | 186.01 | 136.99 | 323 | 0834 |
| 2 | 243 | 242 | 63,66 | 61,55 | 63,66 | 19,20 | 109.58 | 133.42 | 243 | 0836 |
| 1 | 140 | 139 | 18,69 | 26,07 | 18,69 | 18:46 | 27.73 | 112.27 | 140 | 0838 |
| | | | | | • | | | ***** | | |
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Comments: Collar Detect is 6" above sample port

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| | | WELL ID: | MW-14 | | | | PROBE TYPE | Westbay Sampler 0-500psi - | | |
|----------|------------------|-----------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|-------------------------------|----------------------------------------|-------|
| | | DATE: 07 | 19/19 | | | | SERIAL NO. 250 | 2. | - <u>Managaran (</u> | - |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | ate - |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1173.47 | | OPERATOR(S) TCHO | an | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - |
| | | WEATHER: | lear | | | | ATM. PRESSURE (Palm): | | iinish) 14,07 | |
| | 4 | PTW- | 192,41 | 71 | | | Temp: | 9,43 C | 19.58°C | |
| | | to Meas. alve (If) | | · · · · · · · · · · · · · · · · · · · | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | 7 |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 540 | 538 | 166.03 | 161.06 | 166,03 | 20.08 | 339.20 | 200.80 | 540 | 0906 |
| 4 | 456 | 454 | 129.49 | 184,94 | 129,49 | 10,43 | 255.87 | 200.13 | 456 | 0908 |
| 3 | 382 | 381 | 97.35 | 92.94 | 97,35 | 20:27 | 182.05 | 199.95 | 382 | 0910 |
| 2 | 277 | 275 | 51,53 | 47,62 | 51,53 | 19,87 | 77.49 | 199.51 | 277 · | 0912 |
| 1 | 207 | 205 | 21,03 | 17,62 | 21,03 | 19,60 | 8.28 | 198.72 | 207 | 0914 |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-17 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | | |
|----------|------------------|-----------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|----------------------------------|-------------|-----------------|
| | | DATE: 07 | 124/19 | | | | SERIAL NO. DSCK | | | - | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | ****** | | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1191.21 | | OPERATOR(S) T. H | oas | | •• | |
| | | WEATHER: (| lear | | | | ATM. PRESSURE (Patm): | (start) 14.03 (| inish) 14105 | - | |
| | | DTW- | 1. ean 208, 15 | ·/ | | | Temp: | 31,19°C | 24.05% | - | |
| | | to Meas. aive (ft) | | ······ | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | T | 7 |
| °ort No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans, Temp, (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) | True Port Depth (Dp) (ft) | Time | Ì |
| 5 | 726 | 723 | 239.43 | BOJUR | 239,43 | 20.96 | 446.15 | 279.85 | 726 | 0943 | |
| 4 | 582 | 579 | · · · | 149174 | 177,07 | 20,02 | 313.08 | 268.92 | 582 | 0945 | |
| 3 | 468 | 466 | 127,60 | 110,39 | 127,60 | 19,02 | 222.30 | 245.70 | 468 | 0947 | 1 |
| 2 | 370 | 368 | 85,00 | 72,51 | 85,00 | 17,73 | 134.91 | 235.09 | 370 | h949 | 1 |
| 1 | 250 | 248 | 32,79 | 30,18 | 32,79 | 16,87 | 37.26 | 212.74 | 250 | 0951 | |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-18 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------|-----------------------|----------------------|--------------------------------------------|-------------------------------|----------------------------------|---------|
| | | DATE: 07 | 19/19 | | | | SERIAL NO. 2502 | <u>)</u> | | aa |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | - |
| | | | WASTBAY CASING | | 1225.41 | | | ag | | _ |
| | | WEATHER: | Ter- | | | | ATM. PRESSURE (Patm): | (start) 14,02 (| finish) 14,03 | - |
| | | PTW | 1e-1- -292,6 | 4' | | | Temp: | | 18,87C | - |
| | | lo Meas. 'alve (fl) | | Pressure R | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | 7 |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depih (Dp) (ft) | Time |
| 5 | 684 | 684 | 184.79 | 180,97 | 184.79 | 22,11 | 385.15 | 298.85 | 684 | 1041 |
| 4 | 564 | 561 | 132,57 | 132,97 | 132,57 | 81,83 | 274.42 | 289.58 | 564 | 1043 |
| 3 | 424 | 422 | 71178 | 81,26 | 71,78 | 20.81 | 155.12 | 268.88 | 424 | 104.5 |
| 2 | 330 | 328 | 30,82 | 43,90 | 30,82 | 19,55 | 68.93 | 261.07 | 330 | 1047 |
| 1 | 270 | 268 | 14,14 | 18,93 | 14.14 | 18:92 | 11.33 | 258.67 | 270 | 1049 |
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Comments: Collar Detect is 6" above sample port

| | WELL ID: | MW-19 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | | |
|------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| | DATE: 07 | 119/19 | | | | SERIAL NO. 2502 | | | - | |
| | LOCATION: | JPL | - | | | PROJECT | JPL Pasadena | | - | |
| | ELEV. TOP OF | WASTBAY CASING | ; | 1142.94 | | OPERATOR(S) T. 140 | Tan | | - | |
| | WEATHER: | Clean | | | | ATM. PRESSURE (Palm): | (start) 14,06 (| finish) 14,08 | | |
| | DTW | - 140,17 | 1 | | | Temp: | 27,35°C | 20.40°C | - | • • |
| | | | ····· | | | Pressure Head Outside | Depth to Water Outside | · · | | (|
| From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) | Port (ft) | True Port Depth (Dp) (ft) | Time | |
| 498 | 496 | 169,37 | 141,95 | 169.37 | 81,29 | 295.04 | 202.96 | 498 | 1102 | |
| 444 | 442 | 145,92 | | | | 241.24 | 202.76 | 444 | | - |
| 392 | 392 | 123.33 | 102,87 | | | 204.88 | 187.12 | 392 | | |
| 314 | 311 | 89,39 | 69,41 | 89,39 | 20,17 | 127.69 | 186.31 | 314 | 1108 | |
| 242 | 240 | 58.32 | 40.55 | 58.32 | 19,69 | 61.11 | 180.89 | 242 | 1118 | |
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| | Port V From Log (Dp) 498 444 392 314 | DATE: 07, LOCATION: ELEV. TOP OF WEATHER: DTW Depth to Meas. Port Valve (ft) From From Log (Dp) Cable 498 UG6 444 UG2 392 392 | DATE: 07/19/19 LOCATION: JPL ELEV. TOP OF WASTBAY CASING WEATHER: C/eco- DTW - 140,17 Depth to Meas. Port Valve (tt) From From Log (Dp) Cable 498 496 498 496 444 442 392 392 392 392 314 31 | $\begin{array}{c c} \hline DATE: 07/19/19\\ \hline DATE: 07/19/19\\ \hline LOCATION: JPL\\ \hline ELEV. TOP OF WASTBAY CASING\\ \hline WEATHER: ClearDTW-140.17'\\ \hline Depth to Meas. Pressure RPort Valve (ft) psi kg/cm2Outside CasingLog (Dp) Cable Inside Casing Outside CasingP2498 496 169.37 141.95444 444 447 145.97 118.63392 392 123.33 102.87314 3 1.1 89.39 69.41$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |

Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-20 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------------|----------------------|----------------------------------------|------------------------------------|----------------------|----------------------------------------------|--------------------------|----------------------------------------|------|
| | | DATE: 07 | 19/19 | - | | | SERIAL NO. 2502 | • | | - |
| | | LOCATION: | JPL | ······································ | | | PROJECT | JPL Pasadena | | - |
| | | | WASTBAY CASING | 3 | 1165.05 | | OPERATOR(S) T. 14 | ain | | • |
| | | WEATHER: (| lev | | | | ATM. PRESSURE (Patm): | (start) 14.07 (| finish) 14,04 | • |
| | -1 | DTU - | -\$99.50 | - 1 | | | Temp: | 24,916 | 20.35°C | - |
| | | o Meas. | | Pressure R | eadings (psi) | | Pressure Head Outside - | Depth to Water Outside | [| [|
| Port No. | From Log (Dp) | alve (ft) From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH [‡] O Inside Casing | Trans. Temp. (oC) | Port (ft) - P(ft)=(P2-Patm)*2.307 ft/psi) | | True Port Depth (Dp) (ft) | Time |
| 5 | 900 | 896 | 301.86 | 309.32 | 301,86 | 22,88 | 681.26 | 218.74 | 900 | 1207 |
| 4 | 700 | 696 | 213.75 | 212,64 | 213.75 | 22.61 | 458.22 | 241.78 | 700 | 1209 |
| 3 | 562 | 558 | 154,87 | 157,33 | 154,87 | 21,74 | 319.08 | 242.92 | 562 | 1211 |
| 2 | 392 | 390 | 81,06 | 85,22 | R1,06 | 20.07 | 164.26 | 227.74 | 392 | 1213 |
| 1 | 230 | 878 | 14,15 | 14,53 | 14,15 | 18115 | 1.18 | 228.82 | 230 | 1215 |
| | | | | | | | | | | |
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Comments: Collar Detect is 6" above sample port

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| | | WELL ID: | MW-21 | - | | | PROBE TYPE | Westbay Sampler 0-500psi | | | |
|----------|------------------|------------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|-----------------------------------------|------|-----------------------------------------|
| | | DATE: 67 | 119/19 | | | | SERIAL NO. 2502 | • | | ** | |
| | | LOCATION: | JPL | | | | | JPL Pasadena | *************************************** | - | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1059.10 | | OPERATOR(S) T. H | oran | | - | |
| | | WEATHER: | (leg_ | | | | ATM. PRESSURE (Patm): | (start) 14/17 (| finish) 14,13 | - | |
| r | r | PTH | (leg_ -115,2 | 181 | | | Temp: | 20,19'C | 19.32.0 | - | |
| | | to Meas. 'alve (ft) | | Y | eadings (psi) | r | Pressure Head Outside | Depth to Water Outside | | T | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) | True Port Depth (Dp) (ft) | Time | Ì |
| 5 | 372 | 370 | 126.69 | 137:39 | 126,69 | 80.30 | 284.38 | 87.62 | 372 | 0928 | |
| 4 | 310 | 309 | 99,75 | 110.54 | 99,75 | 20.28 | 222.44 | 87.56 | 310 | 6929 | |
| 3 | 240 | 239 | 69.67 | 80,81 | 69,67 | 20.02 | 153.85 | 86.15 | 240 | 0931 | |
| 2 | 161 | 160 | 35,22 | 46,84 | 35,22 | 14,58 | 75.49 | 85.51 | 161 | 0932 | |
| 1 | 90 | 89 | 14.12 | 16:20 | 14,12 | 19,34 | 4.80 | 85.20 | 90 | 0933 | |
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Comments: Collar Detect is 2' above sample port

| | | WELL ID: | MW-22 | | | - | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|-----|----------------------------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------|----------------------|---------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------|
| | | DATE: 07 | 119/19 | | | | SERIAL NO. 2502 | y - | 1918 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - 1919 - | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1176.98 | | OPERATOR(S) T. He | Tan | | - |
| | | WEATHER: (| ler | | | | ATM. PRESSURE (Palm): | (start) 14.02 (| (inish) 14,06 | ••• |
| | | | 1-1961 | | | | Temp: | 19,41°C | linish) 14,06 19,09 C | - |
| Port No. | | to Meas. alve (ft) From Cable | psi Inside Casing | Pressure R kg/cm ² Outside Casing P2 | eadings (psi) mH ² O Inside Casing | Trans. Temp. (oC) | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW ≈ Dp-P(ft) | True Port Depth (Dp) (ft) | Titne |
| 5 | 588 | 586 | 85.57 | 174,87 | 184,69 | 21.07 | 371.08 | 216.92 | 588 | 0733 |
| 4 | 467 | 467 | 137,36 | 124,38 | 132,36 | 21,45 | 254.60 | 212.40 | 467 | 0735 |
| 3 | 389 | 388 | 98.50 | 93,91 | 98,50 | 21,36 | 184.31 | 204.69 | 389 | 1727 |
| 2 | 329 | 328 | 78,42 | 67.98 | 72,42 | R1,08 | 124.49 | 204.51 | 329 | 0739 |
| 1 | 245 | 244 | 35,59 | 33,10 | 35,59 | 20.26 | 44.02 | 200.98 | 245 | 9741 |
| | | | | | | | | | 19-11-11-11-11-11-11-11-11-11-11-11-11-1 | |
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Comments: Collar Detect is 1' above sample port

| | | WELL ID: | MW-23 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|-------------------------------|------------------------------|---------|
| | | DATE: 07 | 119/19 | | | | SERIAL NO. 2502 | , , | | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1108.84 | | OPERATOR(S) T. Ho | an | ***** | - |
| | | WEATHER: | Clear | | | | ATM. PRESSURE (Patm): | | finish) 14,03 | |
| | | DTN. | -140.39 | 1' | | | Temp: | | 19,65 'C | - |
| | | to Meas: /alve (ft) | | Pressure R | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | ľ | ŗ |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH [*] O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Tíme |
| 5 | 542 | 54Z | 148.50 | 184.96 | 188.50 | 80.33 | 393.46 | 148.54 | 542 | 0705 |
| 4 | 445 | 443 | 146,49 | 142.57 | 146,49 | 20.96 | 296.59 | 148.41 | 445 | 0707 |
| 3 | 319 | 317 | 91.94 | 91,99 | 91,94 | 20,91 | 179.90 | 139.10 | 319 | 0709 |
| 2 | 254 | 252 | 63.79. | 64,15 | 63,78 | 20,65 | 115.67 | 138.33 | 254 | 0711 |
| 1 | 174 | 17R | 88.91 | 31.83 | 28,91 | 20:27 | 41.11 | 132.89 | 174 | 0713 |
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Comments: Collar Detect is I' above sample port

| | | WELL ID: | MW-24 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | | |
|----------|---------------------------------------|-----------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|----------------------------------------------|------|----|
| | | DATE: 07/ | 25/19 | | | | SERIAL NO. 2502 | | | _ | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | _ | |
| | | | WASTBAY CASING | 3 | 1200.94 | | OPERATOR(S) T. H. | an | | _ | |
| | | | Cloudy | | | | ATM. PRESSURE (Patm): | (start) 14,03 (| finish) 14-05 | _ | |
| | · · · · · · · · · · · · · · · · · · · | PTW | -214/20 | 21 | | | Temp: | | ra,al'C | - | |
| | | to Meas. alve (ft) | | L | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | | ~ |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH [*] O Inside Casing | Trans. Temp. (oC) | Port (ft) P(f1)=(P2-Patm)*2.307 ft/psi) | Port(ft) | True Port Depth (Dp) (ft) | Time | |
| 5 | 678 | 678 | 815,39 | 197,84 | 215,39 | 22,47 | 424.05 | 253.95 | 678 | 0919 | |
| 4 | 554 | 554 | 161,70 | 148,08 | 161,70 | 22128 | 309.25 | 244.75 | 554 | 0927 | |
| 3 | 435 | 435 | 10,10 | 101.04 | | 21,94 | 200.73 | 234.27 | 435 | 0929 | |
| 2 | 373 | 373 | 83,19 | 75,29 | 83,19 | 21,84 | 141.33 | 231.67 | 373 | 0931 | |
| 1 | 279 | 229 | 42,42 | 38,75 | 42.42 | 22.16 | 57.03 | 221.97 | 279 | 0933 | |
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Comments: Collar Detect is I' above sample port

| | | WELL ID: | MW-25 | | | | PROBETYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|---------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|------|
| | | DATE: 07 | 1/19/19 | ····· | ······ | | SERIAL NO. 250 Z | | | _ |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 934.53 | | OPERATOR(S) T. He | say | | - |
| | | WEATHER: | <u>Clem</u> | | | | ATM. PRESSURE (Palm): | (start) 14,15 (| finish) 14,14 | - |
| | | PTV | ~-24 | 5,33' | | | Temp: | | 80.36 C | |
| | | to Meas. | | Pressure R | eadings (psi) | | | | | [|
| Port No. | From Log (Dp) | alve (fl) From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 713 | 712 | 217.56 | 213,30 | 817,56 | 23,27 | 459.44 | 253.56 | 713 | 1245 |
| 4 | 633 | 632 | 183,03 | 179,35 | 183,03 | 22.74 | 381.12 | 251.88 | 633 | 1247 |
| 3 | 503 | 501 | 127,05 | 123.57 | 177,05 | | 252.43 | 250.57 | 503 | 1249 |
| 2 | 423 | 421 | 92,17 | 88.77 | 92,17 | 21.39 | 172.15 | 250.85 | 423 | 1251 |
| 1 | 358 | 357 | 63,88 | 60,27 | 63,88 | 20,98 | 106.40 | 251.60 | 358 | 1253 |
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Comments: Collar Detect is 2' below sample port

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 $(1, n_1, \dots, n_{n-1}, n_1) \in \mathbb{R}^{n_1}$. The statistical set is a set of $(1, \dots, n_{n-1}) \in \mathbb{R}^{n_1}$, i.e.

| | | WELL ID: | MW-26 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | | |
|----------|------------------|------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|-------------------------------|----------------------------------|--------|----------|
| | | DATE: 07 | 119/17 | | | | SERIAL NO. 2502 | | | - | |
| | | LOCATION: | JPL | | | | • | JPL Pasadena | | - | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1059.08 | | OPERATOR(S) TI H | have | | - | |
| | | WEATHER: | lem | | | | ATM. PRESSURE (Patm): | (start) 14,07 (| (finish) 14,09 | ar | |
| | · ···· | PTU | (1em) v - 6311 | 25' | | | Temp: | 6,860 | 20.830 | | |
| | | to Meas. 'alve (II) | ļ | 7 | leadings (psi) | · | Pressure Head Outside | Depth to Water Outside | | [| |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Tíme | Ì |
| 2 | 215 | 211 | 79,68 | 59.92 | 79,68 | 24.58 | 105.78 | 109.22 | 215 | 1147 | |
| 1 | 135 | 131 | 44.86 | 24.57 | 44,86 | 22,80 | 24.22 | 110.78 | 135 | 1149 | |
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Comments: Collar Detect is 2' below sample port

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WELL GAUGING DATA

Project # 100719-HHI Date 08/02/19 Client Tidewater

Site JPL Pagaeleva, CA

| ····· | | | | | Thickness | | | | |
|-----------|-----------------------|-------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------|------------------|---------------------------------|-----------------------|---------------|--------------|
| | Well Size | Time | Sheen / | Depth to Immiscible | of Immiscible | Volume of Immiscibles | Depth to water | Depth to | Survey |
| Well ID | (in.) | Gauged | Odor | Liquid (ft.) | Liquid (ft.) | Removed (ml) | | (ft.) | TOC |
| MW-1 | 4 | 1144 | | | | ; ; ; ; ; | 27/15 | ped | |
| 1VI W - 1 | 4 | / / | 1 5 7 8 | 1 1 1 1 | | t 3 t t 5 | <i>37,05</i> 96,85 | Deed | |
| MW-5 | 1 | 0945 | | 1 | | † 6 6 7 | 96,85 | purip | |
| MW-6 | 4 | 1038 | | | | 6 7 8 8 8 8 8 | 217,03 | Nimp | |
| MW-7 | 4 | 0653 | | 5 5 | | | 236,33 | num | |
| MW-8 | 4 | 1002 | | | | | 161.34 | Dump | |
| MW-9 | 4 | 1140 | | | | | 20,43 | ped | |
| MW-10 | Ĺ | 0941 | | | | | 115,70 | p.eel pump | |
| MW-13 | 4 | 0642 | | | | | 209,42 | Deel | |
| MW-15 | 4 | 0950 | | | | | 32,34 | pomp | |
| MW-16 | ÿ | 0647 | | | | | 32,34 261,63 | De/ NUMD | \mathbb{V} |
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| | | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 5 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | |
| | t 3 5 6 7 | 8 3 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | | | | | |

| | | WELL ID: | MW-3 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|---------------------------------|------|
| | | DATE: 08 | 102/19 | | | | SERIAL NO. 2508 | | | |
| | | LOCATION: | JPL | ***** | | | PROJECT | JPL Pasadena | | |
| | | ELEV. TOP OF | WASTBAY CASING | · | 1100.34 | | OPERATOR(S) T. He | ray | | |
| | | WEATHER: | Clear | 1HoF | | | ATM. PRESSURE (Palm): | | inish) 14,15 | |
| ······ | . | DTV | v - 184. | 231 | | | Тетр: | 28.572 | 87.91C | |
| | | to Meas. 'alve (ft) | | r | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | Ę |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (It) | True Port Depth (Dp) {ft } | Time |
| 5 | 653 | 650 | 218:37 | 232,71 | A18,37 | 25.41 | 504.24 | 148.76 | 653 | 1155 |
| 4 | 558 | 556 | 177.09 | 198,72 | 177,09 | 24.71 | 411.98 | 146.02 | 558 | 1157 |
| 3 | 346 | 344 | 84,98 | 10/15 | 84,98 | 23,57 | 200.73 | 145.27 | 346 | 1159 |
| 2 | 252 | 250 | 44,07 | 62.06 | 44,07 | 22,33 | 110.55 | 141.45 | 252 | 1201 |
| 1 | 172 | 170 | 14,20 | 32,79 | 14,20 | 20,94 | 43.03 | 128.97 | 172 | 1203 |
| | | | | | - | | | | | |
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Comments: Collar Detect is 2' above sample port

| | | WELL ID: | MW-4 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|-----------------------|----------------------|--------------------------------|------------------------------------|----------------------|----------------------------------------------|-------------------------------|----------------------------------------|------|
| | | DATE: OF | 102/19 | | | | SERIAL NO. 2508 | | | - |
| | | LOCATION: | JPL | *** | | | PROJECT | JPL Pasadena | | - |
| | | ELEV. TOP OF | WASTBAY CASING | } | 1082.84 | | OPERATOR(S) T. H | ian | | - |
| | | WEATHER: | | | | | ATM. PRESSURE (Palm); | | inish) 14, 14 | - |
| | 1 | DTU- | 154,60' | , | | | Temp: | 29.70°C | 21.03°C | - |
| | | to Meas. alve (ft) | | | eadings (psi) | 1 | Pressure Head Outside | Depth to Water Outside | | |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depih (Dp) (ft) | Time |
| 5 | 513 | 511 | 170.42 | 183.68 | 170.42 | 25.90 | 391.17 | 121.83 | 513 | 1615 |
| 4 | 392 | :390 | 117,81 | 131.25 | 117,81 | 24,53 | 270.22 | 121.78 | 392 | 1617 |
| 3 | 322 | 320 | 87,40 | 100,89 | 87.40 | 23.57 | 200.18 | 121.82 | 322 | 1619 |
| 2 | 240 | 238 | 51,59 | | 51,39 | 22.56 | 119.92 | 120.08 | 240 | 1621 |
| 1 | 150 | 148 | 19119 | 33,28 | 14.14 | 21,19 | 44.20 | 105.80 | 150 | 1623 |
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Comments: Collar Detect is 2' above sample port

| | | WELL ID: | MW-11 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|-----------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|---------------------------------------------------------|----------------------------------------|------|
| | | DATE: | 102/19 | | | | SERIAL NO. 2508 | > | | • |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - |
| | | ELEV. TOP OF | WASTBAY CASING | | 1139.3 | | OPERATOR(S) 7/4 | arina. | | - |
| | | WEATHER: | Clear | 1Ast | | | ATM. PRESSURE (Palm): | (start) 74,08 (| finish) <u>/4,09</u> | - |
| | | DTh | (-17)i | 7a' | | | Temp: | 20.91°C 0 | 21.05°C | - |
| | | to Meas. alve (ft) | | Pressure R | eadings (psi) | | Pressure Head Outside | ····· | [| |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 639 | 637 | 215,21 | 200.79 | 215,21 | 24,44 | 430.74 | 208.26 | 639 | 1014 |
| 4 | 524 | 522 | 166,52 | 167,35 | 166.52 | 23,60 | 353.59 | 170.41 | 524 | 1016 |
| 3 | 429 | 427 | 125,67 | 124.75 | 125.67 | 22,50 | 255.32 | 173.68 | 429 | 1018 |
| 2 | 259 | 258 | 52,08 | 55,49 | 52,08 | 2/10 | 95.53· | 163.47 | 259 | 1020 |
| 1 | 149 | 148 | 1413 | 87,10 | 14,13 | 20.02 | 30.04 | 118.96 | 149 | 1022 |
| | ····· | | | | | | | | | - |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-12 | | | | PROBE TYPE | Weslbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|------------------------------------------------|--------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| | | DATE: Of/ | 02/19 | | | | SERIAL NO. 8503 | 7 | | • |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | _ |
| | | ELEV. TOP OF | WASTBAY CASING | | 1102.14 | | OPERATOR(S) | tran | | _ |
| | | WEATHER: (| | 1404 | | | ATM. PRESSURE (Patm). | (start) 14,12 (| finish) 14,15 | - |
| | | PTW- | -130.94 | 1 | | | Temp: | 21,90°C | 80.40°C | - |
| | | to Meas. 'alve (ft) | | | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | Ī | Ţ |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) Port (ft)=(P2-Patm)*2.307 ft/psi) | Port(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 548 | HAT BA | 195,75 | 177,98 | 195.75 | R1,82 | 378.03 | 169.97 | 548 | 1633 |
| 4 | 436 | 434 | 147,22 | 140,04 | 147,22 | | 290.50 | 145.50 | 436 | 1635 |
| 3 | 323 | 326 | 97,91 | 9325 | 97AI | 20.59 | 182.55 | 140.45 | 323 | 1637 |
| 2 | 243 | 242 | 63,08 | 60.02 | 63,08 | 19,74 | 105.89 | 137.11 | 243 | 1639 |
| 1 | 140 | 139 | 18117 | 83,83 | 18117 | 18,96 | 22.40 | 117.60 | 140 | 1641 |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-14 | | | - | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------|------|
| | | DATE: 05 | 3/02/10 | 7 | | | SERIAL NO. 2508 | - | | - |
| | | LOCATION: | JPL | ····· | | | PROJECT | JPL Pasadena | | ~ |
| | | ELEV. TOP OF | WASTBAY CASING | | 1173.47 | | OPERATOR(S) T. H | 2 dens | | - |
| | | WEATHER: | Clean | 1Hot | | | ATM. PRESSURE (Patm): | Istart 14,09 (| finish) 14,10 | - |
| | | DTW | - 192,5 | 6" | | | Temp: | 30,190 | 21,47°C | - |
| | | to Meas. | | Pressure R | eadings (psi) | | Pressure Head Outside | | [] | , |
| Port No. | From Log (Dp) | alve (ft) From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 540 | 539 | 165,74 | 160,03 | 165,74 | 26192 | 336.68 | 203.32 | 540 | 1048 |
| 4 | 456 | 454 | 129,23 | | 129,23 | | 253.31 | 202.69 | 456 | 1050 |
| 3 | 382 | 381 | 97,12 | 91,87 | 97,18 | 23,89 | 179.44 | 202.56 | 382 | 1052 |
| 2 | 277 | 275 | 51,36 | 46,59 | 51,36 | 22138 | 74.98 | 202.02 | 277 | 1054 |
| 1 | 207 | 206 | 20,86 | • | 20,86 | 21,54 | 5.93 | 201.07 | 207 | 1056 |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-17 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|---------------------------------------------------------|----------------------------------|----------|
| | | DATE: OF | 102/19 | | · | | SERIAL NO. 2508 | * | ********** | . |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | - |
| | | ***** | WASTBAY CASING | ; /// ; | 1191.21 | | OPERATOR(S) T. HO. | an | | |
| | | WEATHER: | Clear / | Hot | | | ATM. PRESSURE (Patm): | | finish) 14,12 | • • |
| r | **** | PTU | -205.2 | 201 | | | Temp: | | 23.09°C | - |
| | | lo Meas. alve (ft) | | | eadings (psi) | | Pressure Head Outside | Denth to Weter Outer's | [| |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 726 | 726 | 239.02 | 206-05 | 239.02 | 2306 | 442.90 | 283.10 | 726 | 1217 |
| 4 | 582 | 582 | 176,68 | 149,46 | 176,68 | aa,10 | 312.28 | 269.72 | 582 | 1219 |
| 3 | 468 | 466 | 127,46 | 110.05 | 127,46 | 80,57 | 221.36 | 246.64 | 468 | 1221 |
| 2 | 370 | 369 | 84,81 | 72.23 | 54,81 | 18102 | 134.11 | 235.89 | 370 | 1723 |
| 1 | 250 | 248 | 32.72 | 28,86 | 32,72 | 17,35 | 34.05 | 215.95 | 250 | 122.5 |
| | ha in Jalia - 11 in 11 | | | | | | | | | |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-18 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------------|----------------------|--------------------------------|------------------------------------|----------------------|---------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|----------------------------------------|
| | | DATE: 08 | 102/19 | | | | SERIAL NO. 2508 | ~ | | • |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | - |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1225,41 | | OPERATOR(S) T- H | Dang | | - |
| | | WEATHER: | (lean | | | | ATM. PRESSURE (Patm): | (start) 74,07 (1 | finish) 14,08 | • |
| | | D.LM | -292.8 | 351 | | | Temp: | 23.13' 21 | 1.55°C | • |
| | | to Meas. | | Pressure R | eadings (psi) | | | | Γ | l |
| Port No. | From Log (Dp) | alve (fi) From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Pressure Head Outside Port (ft) P(ft)=(P2·Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 684 | 683 | 184.55 | 178.81 | 184,55 | 22.15 | 380.06 | 303.94 | 684 | 1237 |
| 4 | 564 | 562 | 132,84 | 13153 | 132,84 | 2018.5 | 270.98 | 293.02 | 564 | 1239 |
| 3 | 424 | 422 | 71,63 | 79,94 | 71,63 | 20,03 | 151.96 | 272.04 | 424 | 1241 |
| 2 | 330 | 328 | 36.79 | 42,56 | 30.79 | 18.92 | 65.73 | 264.27 | 330 | 1243 |
| 1 | 270 | 268 | 14119 | 17,54 | 14,19 | 18:42 | 8.01 | 261.99 | 270 | 1245 |
| | | | | | | - | | | | |
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Comments: Collar Detect is 6" above sample port

| | | | MW-19 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|----------------------|------------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|-------------------------------|----------------------------------|------|
| | | DATE: 08 | 102/19 | | | | SERIAL NO. 2508 | | | - |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | • |
| | | | WASTBAY CASING | | 1142.94 | | OPERATOR(S) To H | aan | | |
| | | WEATHER: | clean | | | | ATM. PRESSURE (Patm): | (starl) 14,11 (| inish) 14,13 | - |
| | | Pm- | <u>clear</u> 140:33 | / | • | | Temp: | 33,122 | 24,59% | - |
| | | o Meas. alve (fl) | | | eadings (psi) | r | Pressure Head Outside | Depth to Water Outside | · | 7 |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 498 | 495 | 169.08 | 144,26 | 169,08 | 26.02 | 291.03 | 206.97 | 498 | 1330 |
| 4 | 444 | 442 | 145,51 | 117.00 | | 24,34 | 237.37 | 206.63 | 444 | 1332 |
| 3 | 392 | 392 | 123,16 | 101.66 | 123,16 | 23,08 | 201.98 | 190.02 | 392 | 1334 |
| 2 | 314 | 311 | 89,35 | 68,28 | 89,35 | 22,04 | 124.97 | 189.03 | 314 | 1376 |
| 1 | 242 | 239 | 5811 | 39,37 | 58.11 | 21,22 | 58.27 | 183.73 | 242 | 1338 |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-20 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------|-----------------------|---------------------------------------|--------------------------------------------|--------------------------|---------------------------------|------|
| | | DATE: OF | 102/19 | | | | SERIAL NO. 2508 | · | | ~ |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | • |
| | | ELEV. TOP OF | WASTBAY CASING | ; | 1165.05 | | OPERATOR(S) T. H | saus | | - |
| | | WEATHER: | lear, | 1/107- | | | ATM. PRESSURE (Patm): | (start) 14.15 (| (finish) 14/16 | - |
| F | | DTU. | -239.5 | 91 | | | Temp: | 29,15°C | (inish) <u>14,16</u> 80,95°(| • |
| | | to Meas. /alve (ft) | | ····· | eadings (psi) | · · · · · · · · · · · · · · · · · · · | Pressure Head Outside | Depth to Water Outside | I | { |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 900 | 896 | 301.42 | 308.51 | 301.42 | 24.81 | 679.09 | 220.91 | 900 | 1530 |
| 4 | 700 | 696 | 214,81 | 210:06 | 214.81 | 83,79 | 451.96 | 248.04 | 700 | 1540 |
| 3 | 562 | 758 | 154173 | 151,11 | 154173 | 22,51 | 315.97 | 246.03 | 562 | 1542 |
| 2 | 392 | 390* | 81,93 | 84.42 | \$493 | 19.72 | 162.11 | 229.89 | 392 | 1544 |
| 1 | 230 | 228 | 80,96 1419 | 14.18 | 80,96 | 18.48 | 0.07 | 229.93 | 230 | 1546 |
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Comments: Collar Detect is 6" above sample port

| | | WELL ID: | MW-21 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|--------------------------------------------|-----------------------------|----------------------------------|----------|
| | | DATE: 0 | 2/02/19 | | ····· | | SERIAL NO. 2508 | 2 | | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | |
| | | ELEV. TOP OF | WASTBAY CASING | 3 | 1059.10 | | OPERATOR(S) 1, He | 1 ans | | • |
| | | WEATHER: | Clean | 1HoF | | | ATM. PRESSURE (Patm): | | inish) 14,15 | • |
| · | | DTW | - 115,8 | 6 | | | Temp: | 20180 | 21.95°C | - |
| | | to Meas. 'aive (ft) | | | adings (psi) | r | Pressure Head Outside | Depth to Water Outside | | |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH ² O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depih (Dp) (ft) | Time |
| 5 | 372 | 371 | 126,32 | 136,31 | 126,32 | 22,58 | 281.78 | 90.22 | 372 | 1108 |
| 4 | 310 | 309 | 79,45 | | | 22,00 | 219.81 | 90.19 | 310 | 1110 |
| 3 | 240 | 240 | 69.48 | 79,72 | 69,48 | 21,26 | 151.22 | 88.78 | 240 | 1/12 |
| 2 | 161 | 160 | 34,99 | 45,78 | 34,99 | 90.56 | 72.92 | 88.08 | 161 | 1114 |
| 1 | 90 | 89 | 14,18 | 15,08 | 14,18 | ROUA | 2.10 | 87.90 | 90 | 1116 |
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Comments: Collar Detect is 2' above sample port

| | | WELL ID: | MW-22 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | _ |
|----------|------------------------------|------------------------|----------------------|--------------------------------|------------------------------------|----------------------|--------------------------------------------|--------------------------|----------------------------------|------|
| | | DATE: 08 | 102/19 | | | | SERIAL NO. 2508 | r | | |
| | | LOCATION: | JPL | | | - | PROJECT | JPL Pasadena | | |
| | | | WASTBAY CASING | | 1176.98 | | OPERATOR(S) T. H | accen | | - |
| | | WEATHER: (| Clean | ····· | | | ATM. PRESSURE (Patm): | (start) 14,06 (| finish) 14.04 | ~ |
| | | PTW- | Clem - 19613 | 8' | | | Temp: | 22,51°C | 20.99°C | ~ |
| | Depth | to Meas. 'alve (†t) | | Pressure R | eadings (psi) | r | Pressure Head Outside | Depth to Water Outside | | |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH ⁷ O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 588 | 586 | 184,60 | 173,6R | 184,60 | 22118 | 368.10 | 219.90 | 588 | 0811 |
| 4 | 467 | 466 | 132,22 | 123, 17 | 132,22 | 20.34 | 251.72 | 215.28 | 467 | 0813 |
| 3 | 389 | 388 | 98.40 | 92.75 | 98.40 | 20.69 | 181.54 | 207.46 | 389 | 0855 |
| 2 | 329 | 328 | 72,27 | 66,81 | 72.27 | 20,67 | 121.69 | 207.31 | 329 | 0859 |
| 1 | 245 | 244 | 35,50 | 31.76 | 35,50 | 20,09 | 40.83 | 204.17 | 245 | 0903 |
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Comments: Collar Detect is 1' above sample port

| | | WELL ID: | MW-23 | | ···· | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|-----------------------|------------------------|--------------------------------|-----------------------|----------------------|----------------------------------------------|-------------------------------|----------------------------------|----------|
| | | DATE: 08 | 102/19 | | | | SERIAL NO. 2508 | | | - |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | - |
| | | | WASTBAY CASING | | 1108.84 | | OPERATOR(S) 1.14 | bar | | - |
| | | WEATHER: (| Teg | | | | ATM. PRESSURE (Patm): | (start) 741/2 (| linish) /4, // | _ |
| | | DTU | <u>1eer</u> v-140.0 | 12' | | | Temp: | 20:16 | 20:10 % | |
| | | lo Meas. alve (fl) | | T ⁻¹⁻¹ | eadings (psi) | | Pressure Head Outside | Depth to Water Outside | | 2 |
| Port No. | From Log (Dp) | From Cable | psi Insido Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 542 | 541 | 188,47 | 183,27 | 188:47 | 20.95 | 390.37 | 151.63 | 542 | 0928 |
| 4 | 445 | 443 | 146,63 | 14/132 | | 21,27 | 293.59 | 151.41 | 445 | 1930 |
| 3 | 319 | 318 | 9/195 | - | 91,95 | | 177.02 | 141.98 | 319 | 0937 |
| 2 | 254 | 252 | 63,80 | 62193 | 63,80 | 20,78 | 112.74 | 141.26 | 254 | 0934 |
| 1 | 174 | 172 | 89,02 | 30.44 | 29,02 | 20.32 | 37.79 | 136.21 | 174 | 093.6 |
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Comments: Collar Detect is I' above sample port

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

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| | | WELL ID: | MW-24 | | | | PROBE TYPE | Weslbay Sampler 0-500psi | | | |
|----------|------------------|----------------------------|----------------------|--------------------------------------------|------------------------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------|---------|---|
| | | DATE: 05 | 102/19 | | | | SERIAL NO. 2508 | | | | |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | | |
| | | ELEV. TOP OF | WASTBAY CASING | } | 1200.94 | | OPERATOR(S) | nam | | • | |
| | | WEATHER: | llean | | | | ATM. PRESSURE (Palm): | (start) 14,06 (f | inish) 14,07 | - | |
| | | DTW- | 215,16 | \$ | | | Temp: ک | | 0.31°C | - | |
| | | to Meas. | | Pressure R | eadings (psi) | | Pressure Head Outside | | | | ר |
| Port No. | From Log (Dp) | alve (fl) From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH [‡] O Inside Casing | Tranc. Temp. (oC) | Port (ft) Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time | |
| 5 | 678 | 677 | 214,71 | 197,25 | 214,71 | 22.0/ | 422.62 | 255.38 | 678 | 0716 | 1 |
| 4 | 554 | 553 | 161,07 | | 1 | 22.05 | 307.75 | 246.25 | 554 | 0718 | 1 |
| 3 | 435 | 434 | 109.48 | 100.36 | | 21,91 | 199.09 | 235.91 | 435 | 0720 | 1 |
| 2 | 373 | 372 | 82,75 | 74,55 | 82,75 | 81,89 | 139.55 | 233.45 | 373 | 0722 | |
| 1 | 279 | 278 | 41.95 | 37.7a | 41,95 | æ 1175 | 54.58 | 224.42 | 279 | 0725 | |
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Comments: Collar Detect is 1' above sample port

| | | WELL ID: | MW-25 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | |
|----------|------------------|-----------------------|----------------------|--------------------------------|-----------------------|----------------------|--------------------------------------------|-------------------------------|----------------------------------|----------|
| | | DATE: O | 62/19 | | | | SERIAL NO. 2505 | ~ | | , |
| | | LOCATION: | JPL | | | | PROJECT | JPL Pasadena | | ' |
| | | ELEV. TOP OF | WASTBAY CASING | } | 934.53 | | OPERATOR(S) | lus | | · |
| | | WEATHER: | Clen 1 | ltot | • | | ATM. PRESSURE (Patm): | (start) 14,22 (| (inish) 14,20 | , |
| r | | DW. | -245,5 | 01 | • | | , Temp: | | 24.39'C | |
| | | to Meas. alve (†1) | · | 1 | eadings (psi) | Y | Pressure Head Outside | Depth to Water Outside | | Ę |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH'O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)≃(P2-Patm)*2.307 ft/psi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
| 5 | 713 | 712 | 217.13 | 213.37 | 217.13 | 26.96% | 459.44 | 253.56 | 713 | 1512 |
| 4 | 633 | 632 | 182.67 | 179.37 | 182.67 | 25.30% | 381.00 | 252.00 | 633 | 1514 |
| 3 | 503 | 501 | 126.45 | 123.59 | 126.45 | 23.832 | 252.32 | 250.68 | 503 | 1516 |
| 2 | 423 | 421 | 91.76 | 88.94 | 91.76 | 22.94 °C | 172.15 | 250.85 | 423 | 1519 |
| 1 | 358 | 357 | 63.44 | 60.38 | 63.44 | 22.28 C | 106.49 | 251.51 | 358 | 1520 |
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Comments: Collar Detect is 2' helow sample port

| | | WELL ID: | MW-26 | | | | PROBE TYPE | Westbay Sampler 0-500psi | | | | |
|----------|-----------------------------------|---------------|----------------------|--------------------------------------------|-----------------------|----------------------|-------------------------------------------|---------------------------------------|----------------------------------|-------|--|--|
| | | DATE: O | 8/02/11. | 7 | | | SERIAL NO. 2508 | | | - | | |
| | | LOCATION: | JAL | • | | | PROJECT | JPL Pasadena | | | | |
| | | ***** | WASTBAY CASING | 3 | 1059.08 | | OPERATOR(S) | · · · · · · · · · · · · · · · · · · · | * | | | |
| | | WEATHER: | clear, | 1Hot | ···· | ····· | ATM. PRESSURE (Patm); (| start) 1417 (1 | finish) 14, 19 | ••••• | | |
| | | | | | | | Temp: | 3.912 | finish) 14, 19 29.05°C | • | | |
| | Depth to Meas. Port Valve (ft) | | | 7 | eadings (psi) | ····· | Pressure Head Outside | Depth to Water Outside | [| | | |
| Port No. | From Log (Dp) | From Cable | psi Inside Casing | kg/cm ² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | Port (ft) P(ft)=(P2-Patm)*2.307 fUpsi) | Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time | | |
| 2 | 215 | 211 | 79,44 | 591,56 | 79,44 | 31,97 | 104.71 | 110.29 | 215 | 1446 | | |
| 1 | 135 | 131 | 44,60 | 24,58 | 44.60 | 28115 | 24.02 | 110.98 | 135 | 1448 | | |
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Comments: Collar Detect is 2' below sample port