| Kelly - 20 kip mic             | ropile proof test          | t            |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|--------------------------------|----------------------------|--------------|--------------|----------------|--------------|------------------|------------------|------------------|-------------------|----------|---------------|---|--------------|------------|---------|---------|
| Micropile:                     |                            |              | PT #3        |                |              |                  | Test Date:       |                  |                   | 0        | <br>2/21/23   | No. of Piles                                | <b>S</b> :   |            | 1       |         |
| Starting Free L                | _<br>_enath:               |              |              | ft             | 33           | in               | Design Load:     |                  |                   | 20       | kip           | Modulus of                                  |              |            | 29000   | kip/in2 |
| Starting Bond Length: 10.00    |                            |              |              | ft             | 120          | in               |                  |                  |                   |          | , <b>p</b>    | Bar Diamet                                  |              | T40/20     | 1.570   | in      |
| Below Ground Free Length: 35   |                            |              |              | ft             | 420          | in               | Max Test Load    | d (160% DL):     |                   | 32       | kip           | Bar Area:                                   |              |            | 1.13    | in2     |
| Above Ground Free Length: 5.00 |                            |              |              | ft             | 60           | in               |                  | ,                |                   |          | '             | G.U.T.S per                                 | r Bar:       |            |         | kip     |
| Γotal Length:                  |                            |              | 50.00        | ft             | 600          | in               |                  |                  |                   |          |               |   |              |            |         | I'      |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
| Theoretical Elo                | ongation (calculate at max |              | test load):  | 0.032 inches   |              |                  |                  |                  |                   |          |               | Jack-Gauge Factor: Load Cell Serial Number: |              | 0.01096722 | kip/psi |         |
|                                |                            |              |              |                |              |                  | Ram ID           |                  |                   |          |               | Load Cell Z                                 | Zero reading | ı (avg.):  | _       |         |
|                                |                            |              |              |                |              |                  | Pump ID          |                  |                   |          |               |   | Scale Factor |            | _       |         |
|                                |                            |              |              |                |              | Gauge ID         |                  |                  | Load Cell Offset: |          |               | -   |              |            |         |         |
|                                |                            |              |              | Ref. Gauge     |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
| % Design                       | Holding                    | Spec.        | Calc.        | Time of        | Observed     | Dial Gauge       |                  | Correct.         | Elastic           |          | Comment       | <br>S                                       |              |            |         |         |
| Load                           | Time                       | Load         | Jack Press.  | Reading        | Jack Press.  | G1               | G2               | Avg.             | Movement          |          |               |   |              |            |         |         |
| (%)                            | (min)                      | (kips)       | (psi)        | (24h)          | (psi)        | (in)             | (in)             | (in)             | (theoretical)     |          |               |   | _            |            |         |         |
| 5%                             | 2.5                        | 1.0          | 214          | 10:56          | 224          | 0.0000           | 0.0000           | 0.0000           | 0.001             | alignmer | nt load       |   |              |            |         |         |
| 15%                            | 2.5                        | 3.0          | 374          | 10:59          | 373          | 0.0090           | 0.0080           | 0.0085           | 0.003             |          |               |   | _            |            |         |         |
| 30%                            | 2.5                        | 6.0          | 614          | 11:02          | 622          | 0.0310           | 0.0280           | 0.0295           | 0.006             |          |               |   |              |            |         |         |
| 45%                            | 2.5                        | 9.0          | 854          | 11:05          | 844          | 0.0490           | 0.0450           | 0.0470           | 0.009             |          |               |   |              |            |         |         |
| 60%                            | 2.5                        | 12.0         | 1094         | 11:08          | 1090         | 0.0650           | 0.0610           | 0.0630           | 0.012             |          |               |   | _            |            |         |         |
| 75%                            | 2.5                        | 15.0         | 1334         | 11:11          | 1323         | 0.0870           | 0.0820           | 0.0845           | 0.015             |          |               |   |              |            |         |         |
| 90%                            | 2.5                        | 18.0         | 1574         | 11:15          | 1570         | 0.1090           | 0.0990           | 0.1040           | 0.018             |          |               |   |              |            |         |         |
| 100%                           | 2.5                        | 20.0         | 1734         | 11:17          | 1730         | 0.1190           | 0.1090           | 0.1140           | 0.020             |          |               |   |              |            |         |         |
| 115%                           | 2.5                        | 23.0         | 1974         | 11:20          | 1970         | 0.1430           | 0.1300           | 0.1365           | 0.023             |          |               |   |              |            |         |         |
| 130%                           | 0                          | 26.0         | 2214         | 11:22          | 2210         | 0.1640           | 0.1460           | 0.1550           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 1                          | 26.0         | 2214         | 11:23          | 2200         | 0.1660           | 0.1460           | 0.1560           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 2                          | 26.0         | 2214         | 11:24          | 2214         | 0.1660           | 0.1460           | 0.1560           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 3                          | 26.0         | 2214         | 11:25          | 2220         | 0.1700           | 0.1490           | 0.1595           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 4                          | 26.0         | 2214         | 11:26          | 2214         | 0.1700           | 0.1490           | 0.1595           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 5                          | 26.0         | 2214         | 11:27          | 2210         | 0.1710           | 0.1490           | 0.1600           | 0.026             |          |               |   |              |            |         |         |
| 130%                           | 6                          | 26.0         | 2214         | 11:28          | 2210         | 0.1730           | 0.1490           | 0.1610           | 0.026             | 0.017    | Croop         |   |              |            |         |         |
| 130%                           | 10                         | 26.0         | 2214         | 11:32          | 2210         | 0.1790           | 0.1540           | 0.1665           | 0.026             | 0.012    | 2 Creep       |   | +            |            |         |         |
| 145%<br>160%                   | 2.5<br>2.5                 | 29.0<br>32.0 | 2454<br>2694 | 11:35<br>11:38 | 2450<br>2690 | 0.2040<br>0.2300 | 0.1740<br>0.1950 | 0.1890<br>0.2125 | 0.029<br>0.032    |          |               |   | -            |            |         |         |
| 130%                           | 4                          | 26.0         | 2094         | 11:42          | 2090         | 0.2300           | 0.1950           | 0.2125           | 0.032             |          |               |   |              |            |         |         |
| 100%                           | 4                          | 20.0         | 1734         | 11:42          | 1730         | 0.2010           | 0.1860           | 0.1635           | 0.026             |          |               |   |              |            |         |         |
| 75%                            | 4                          | 15.0         | 1334         | 11:50          | 1350         | 0.1700           | 0.1010           | 0.1323           | 0.020             |          |               |   | 1            |            |         |         |
| 50%                            | 4                          | 10.0         | 934          | 11:54          | 930          | 0.1370           | 0.1010           | 0.1190           | 0.013             |          |               |   | 1            |            |         |         |
| 25%                            | 1                          | 5.0          | 534          | 11:58          | 540          | 0.1120           | 0.0730           | 0.0935           | 0.010             |          |               |   | 1            |            |         |         |
| 5%                             | 4                          | 1.0          | 214          | 12:02          | 210          | 0.0480           | 0.0260           | 0.0370           | 0.001             | 0.176    | Elastic Move  | <br>ment                                    |              |            |         |         |
| 070                            |                            | 1.0          |              | 12.02          | 210          | 0.0100           | 0.0200           | 0.0070           | 0.001             | 0.17     | Elactic Wieve |   | -            |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |
|                                |                            |              |              |                |              |                  |                  |                  |                   |          |               |   |              |            |         |         |