

| Sample | Depth  | Grain  |       | Porosity | Permeability |       | SW    | So   | Flo  | Remarks                                                   |
|--------|--------|--------|-------|----------|--------------|-------|-------|------|------|-----------------------------------------------------------|
|        |        | Dens   | silty |          | Kv           | Max.  | 90    |      |      |                                                           |
| 102    |        | 3782   | 2.70  | 11.9     | 0.03         | 0.43  | 0.30  | 34.9 | 17.5 | 100 Sand, Gray, Dolom.                                    |
| 103    |        | 3783   | 2.72  | 11.3     | 0.03         | 0.51  | 0.50  | 40.2 | 16.6 | 100 Sand, Gray, Dolom.                                    |
| 104    |        | 3784   | 2.76  | 9.7      | <.01         | 0.08  | 0.05  | 62.1 | 5.9  | Tr. Sand, Gray, Dolom, S/P                                |
| 105    | 3784   | 3785   | 2.80  | 8.3      | 0.02         | 0.21  | 0.07  | 76.6 | 0.0  | 0 Dolo, Sli. Sandy, S/P, Vt. Fr.                          |
| 106    |        | 3786   | 2.85  | 5.0      | <.01         | 0.04  | 0.03  | 71.2 | 0.0  | 0 Dolo, A/I, Sc. Sm. Vugs, Fr.                            |
| 107    |        | 3787   | 2.85  | 6.5      | 0.10         | 3.06  | 0.10  | 55.2 | 6.9  | Tr. Dolo, S/P, Vt. Fr.                                    |
| 108    |        | 3788   | 2.85  | 4.7      | 9.39         | 0.94  | 0.30  | 69.5 | 0.0  | TrB/O Dolo, Vt. Fr.                                       |
| 109    |        | 3789   | 2.84  | 3.8      | 0.23         | 1.42  | 0.12  | 77.1 | 0.0  | TrB/O Dolo, Sc. Lam. S/P, Vt. Fr.                         |
| 110    | 3789   | 3790   | 2.72  | 11.7     | 0.01         | 0.65  | 0.61  | 50.7 | 8.1  | 30 Sd, Gr, Dolom, Sli. Silty, S/P, Lrg. Dolo. Strg.       |
| 111    |        | 3791   | 2.60  | 15.9     | 0.79         | 0.81  | 0.79  | 63.9 | 35.3 | 100 Sand, Gray, Dolom, S/P                                |
| 112    |        | 3792   | 2.69  | 15.2     | 0.31         | 0.62  | 0.53  | 35.1 | 20.8 | 100 Sand, Gray, Dolom, S/P                                |
| 113    |        | 3793   | 2.69  | 13.4     | 0.14         | 1.01  | 0.69  | 45.0 | 15.0 | 100 Sand, Gray, Dolom, S/P                                |
| 114    |        | 3794   | 2.70  | 12.5     | 0.01         | 0.35  | 0.24  | 55.7 | 7.3  | 50 Sand, Gray, Dolom.                                     |
| 115    | 3794   | 3795   | 2.68  | 15.2     | 0.06         | 0.35  | 0.30  | 48.6 | 9.7  | 80 Sand, Gray, Dolom, S/P                                 |
| 116    |        | 3796   | 2.69  | 8.5      | 0.01         | 0.14  | 0.08  | 54.6 | 15.6 | 10 Sand, Gray, Dolom, Sli. Shaly, Sc. Lam. S/P            |
| 117    |        | 3797   | 2.73  | 9.3      | 0.01         | 0.26  | 0.16  | 65.9 | 8.0  | 10 Sand, Gray, Dolom, Sli. Shaly                          |
| 118    |        | 3798   | 2.69  | 12.0     | 0.03         | 0.22  | 0.14  | 51.8 | 10.7 | 20 Sand, Gray, Dolom, Sli. Shaly, Lrg. Dolo. Strg.        |
| 119    |        | 3799   | 2.80  | 6.6      | 0.02         | 0.25  | 0.12  | 75.5 | 0.0  | T. Dolo, Sandy, Sli. Silty, S/P, Sc. Vugs, Fr.            |
| 120    | 3799   | 3800   | 2.85  | 3.8      | <.01         | 0.28  | 0.27  | 76.1 | 0.0  | Sp. 20 Dolo, Sli. Silty, S/P, Sty, Sc. Vugs, Vt. Fr.      |
| 121    |        | 3801   | 2.85  | 2.1      | 0.01         | 0.07  | 0.06  | 70.1 | 0.0  | TrB/O Dolo, Sli. Silty, Sty, Vt. Fr.                      |
| 122    |        | 3802   | 2.85  | 1.3      | <.01         | 0.39  | 0.17  | 93.4 | 0.0  | TrB/O Dolo, Sli. Silty, S/P, Sty, Vt. Fr.                 |
| 123    |        | 3803   | 2.82  | 4.8      | 0.03         | 0.70  | 0.32  | 76.4 | 8.5  | TrB/O Dolo, Sli. Silty, Sandy, Sty, sd. strg, Vt. Fr.     |
| 124    |        | 3804   | 2.74  | 7.3      | 0.03         | 0.08  | 0.07  | 32.4 | 17.3 | 60 Sand, Gray, Dolom, S/P                                 |
| 125    | 3804   | 3805   | 2.78  | 8.6      | 0.02         | 0.12  | 0.08  | 40.5 | 27.4 | 40 Sand, Dolom, S/P                                       |
| 126    |        | 3806   | 2.73  | 10.0     | 0.10         | 3.72  | 3.32  | 64.0 | 3.8  | 20 Sand, Dolom, S/P                                       |
| 127    |        | 3807   | 2.68  | 15.2     | 0.11         | 11.16 | 10.93 | 50.0 | 10.7 | 60 Sand                                                   |
| 128    |        | 3808   | 2.68  | 13.5     | 0.14         | 0.71  | 0.47  | 37.3 | 25.8 | 100 Sand                                                  |
| 129    |        | 3809   | 2.80  | 15.5     | 0.13         | 0.58  | 0.45  | 27.3 | 15.6 | 100 Sand, Gray, S/P                                       |
| 130    | 3809.5 | 3809.5 | 2.69  | 13.8     | 0.17         | 0.66  | 0.48  | 26.8 | 23.1 | 100 Sand, Gray                                            |
|        |        | 3810   | SCAL  |          |              |       |       |      |      |                                                           |
| 131    |        | 3811   | 2.75  | 10.4     | <.01         | 0.17  | 0.06  | 43.3 | 13.0 | 60 Sand, Gray, S/P                                        |
| 132    |        | 3812   | 2.72  | 10.3     | 0.01         | 0.13  | 0.09  | 53.5 | 8.4  | 10 Sand, Gray, Dolom, S/P                                 |
| 133    |        | 3813   | 2.73  | 9.5      | 0.02         | 0.17  | 0.12  | 55.9 | 16.8 | Sp. 20 Sand, Gray, Dolom, S/P, Sty, Dolo. Strg, Vt. Fr.   |
| 134    |        | 3814   | 2.84  | 3.5      | 0.01         | 0.08  | 0.08  | 45.7 | 26.1 | Sp. 30 Dolo, Vt. Fr.                                      |
| 135    | 3814   | 3815   | 2.82  | 5.4      | 0.02         | 0.10  | 0.09  | 78.1 | 0.0  | Sp. 20 Dolo, Silty, Sli. Shy, S/P, Sty, Sh. Strg, Vt. Fr. |
| 136    |        | 3816   | 2.86  | 2.6      | 0.02         | 1.83  | 0.47  | 55.6 | 0.0  | Sp. 40 Dolo, Sty, Sc. Sm. Vugs, Vt. Fr.                   |
| 137    |        | 3817   | 2.85  | 4.4      | 0.01         | 0.17  | 0.09  | 70.3 | 0.0  | Sp. 20 Dolo, Lrg. Sh. Strg, Sc. Sm. Vugs, Fr.             |
| 138    |        | 3818   | 2.85  | 5.2      | 0.05         | 1.07  | 0.95  | 43.5 | 16.3 | Sp. 80 Dolo, S/P, Sty, Vugy, Fr.                          |