

TC RANCH SALE SUPPLEMENT 2/28/2018
 Bulls scanned on 1/15/18 ---Ultrasound
 Technician Will Larsen --- Data Processed by "CUP" Program

| LOT | PERCENT IMF | | | | RIBEYE | | | | RIB FAT | | | RUMP FAT | | | Fat EPD |
|-----|-------------|------|-------|-------|--------|------|-------|-------|---------|------|-------|----------|------|-------|---------|
| | ACT | ADJ | RATIO | EPD | ACT | ADG | RATIO | EPD | ACT | ADG | RATIO | ACT | ADG | RATIO | |
| 1 | 3.41 | 3.47 | 90 | 0.27 | 15.4 | 15.8 | 117 | 1.14 | 0.27 | 0.29 | 88 | 0.3 | 0.32 | 89 | -0.016 |
| 2 | 4.84 | 4.91 | 128 | 0.48 | 15.1 | 15.6 | 116 | 0.45 | 0.56 | 0.58 | 176 | 0.51 | 0.53 | 147 | 0.072 |
| 3 | 4.83 | 4.87 | 126 | 0.43 | 14 | 14.2 | 101 | 0.47 | 0.5 | 0.51 | 150 | 0.5 | 0.51 | 131 | 0.024 |
| 4 | 4.35 | 4.42 | 114 | 0.66 | 14.9 | 15.3 | 109 | 0.65 | 0.44 | 0.46 | 135 | 0.45 | 0.47 | 121 | 0.055 |
| 5 | 4.81 | 4.86 | 125 | 0.87 | 14.8 | 15 | 106 | 0.47 | 0.37 | 0.38 | 112 | 0.46 | 0.47 | 121 | 0.007 |
| 6 | 3.31 | 3.38 | 87 | 0.12 | 14.8 | 15.3 | 109 | 0.53 | 0.31 | 0.33 | 97 | 0.47 | 0.49 | 126 | 0.021 |
| 7 | 5.23 | 5.23 | 131 | 0.84 | 15.5 | 15.7 | 115 | 1.01 | 0.28 | 0.29 | 91 | 0.37 | 0.38 | 109 | -0.049 |
| 8 | 4.73 | 4.76 | 119 | 0.81 | 13.1 | 13.5 | 99 | 0.66 | 0.34 | 0.36 | 113 | 0.37 | 0.39 | 111 | -0.001 |
| 9 | 3.45 | 3.47 | 87 | 0.57 | 15 | 15.3 | 113 | 0.63 | 0.32 | 0.33 | 103 | 0.27 | 0.28 | 80 | 0.019 |
| 10 | 3.92 | 4.09 | 107 | 0.18 | 12.8 | 13.8 | 102 | 0.37 | 0.35 | 0.4 | 121 | 0.35 | 0.39 | 108 | 0.012 |
| 11 | 2.78 | 2.86 | 74 | -0.01 | 13.2 | 13.8 | 102 | 0.67 | 0.24 | 0.27 | 82 | 0.39 | 0.42 | 117 | -0.009 |
| 12 | 4.19 | 4.22 | 110 | 0.84 | 14.7 | 15 | 111 | 0.74 | 0.29 | 0.3 | 91 | 0.25 | 0.26 | 72 | 0.039 |
| 13 | 4.35 | 4.44 | 87 | 0.24 | 13.2 | 13.9 | 103 | 0.93 | 0.2 | 0.23 | 96 | 0.28 | 0.31 | 111 | -0.007 |
| 14 | 3.83 | 3.82 | 96 | 0.37 | 14.7 | 14.8 | 109 | 1.06 | 0.28 | 0.29 | 91 | 0.34 | 0.35 | 100 | -0.039 |
| 15 | 3.3 | 3.37 | 88 | 0.18 | 13.3 | 13.8 | 102 | 0.65 | 0.32 | 0.34 | 103 | 0.3 | 0.32 | 89 | -0.031 |
| 16 | 2.91 | 3.08 | 80 | 0.17 | 12.8 | 13.9 | 103 | 0.38 | 0.26 | 0.31 | 94 | 0.27 | 0.32 | 89 | 0.001 |
| 17 | 3.72 | 3.76 | 97 | 0.54 | 13 | 13.2 | 94 | 0.47 | 0.21 | 0.22 | 65 | 0.28 | 0.29 | 74 | 0.012 |
| 18 | 4.99 | 5.14 | 134 | 0.5 | 12.9 | 13.8 | 102 | 0.73 | 0.22 | 0.26 | 79 | 0.28 | 0.32 | 89 | -0.036 |
| 19 | 3.26 | 3.43 | 89 | 0.56 | 12.6 | 13.7 | 101 | 0.89 | 0.3 | 0.35 | 106 | 0.3 | 0.35 | 97 | 0.006 |
| 20 | 3.17 | 3.32 | 86 | 0.41 | 13.6 | 14.5 | 107 | 0.74 | 0.28 | 0.32 | 97 | 0.28 | 0.32 | 89 | -0.027 |
| 21 | 5.36 | 5.39 | 140 | 0.91 | 13.5 | 13.8 | 102 | 0.78 | 0.31 | 0.32 | 97 | 0.35 | 0.36 | 100 | -0.01 |
| 22 | 4.11 | 4.13 | 108 | 0.55 | 15.3 | 15.5 | 115 | 0.94 | 0.21 | 0.22 | 67 | 0.21 | 0.22 | 61 | -0.062 |
| 23 | 5.22 | 5.22 | 131 | 0.61 | 14.6 | 14.8 | 109 | 0.29 | 0.44 | 0.45 | 141 | 0.47 | 0.48 | 137 | 0.035 |
| 24 | 3.42 | 3.47 | 90 | 0.02 | 14.1 | 14.5 | 107 | 0.97 | 0.22 | 0.24 | 73 | 0.31 | 0.33 | 92 | -0.034 |
| 25 | 4.05 | 4.22 | 110 | 0.68 | 11.2 | 12.2 | 90 | 0.33 | 0.24 | 0.29 | 88 | 0.34 | 0.39 | 108 | 0.015 |
| 26 | 3.22 | 3.27 | 85 | 0.25 | 15.7 | 16.1 | 119 | 0.78 | 0.31 | 0.33 | 100 | 0.34 | 0.36 | 100 | 0.001 |
| 27 | 4.35 | 4.51 | 117 | 0.4 | 13.2 | 14.4 | 107 | 0.72 | 0.46 | 0.52 | 158 | 0.38 | 0.43 | 119 | 0.034 |
| 28 | 4.33 | 4.35 | 113 | 0.36 | 14 | 14.2 | 105 | 0.4 | 0.49 | 0.5 | 152 | 0.43 | 0.44 | 122 | 0.02 |
| 29 | 4.76 | 4.77 | 119 | 0.57 | 14.4 | 14.6 | 107 | 0.93 | 0.23 | 0.24 | 75 | 0.34 | 0.35 | 100 | -0.05 |
| 30 | 3.8 | 3.8 | 95 | -0.03 | 13.5 | 13.7 | 101 | 0.37 | 0.45 | 0.46 | 144 | 0.4 | 0.41 | 117 | 0.053 |
| 31 | 3.79 | 3.78 | 95 | 0.46 | 13 | 13.1 | 96 | 0.43 | 0.33 | 0.34 | 106 | 0.36 | 0.37 | 106 | 0.005 |
| 32 | 4.58 | 4.64 | 120 | 0.28 | 13.5 | 13.8 | 98 | 0.54 | 0.36 | 0.37 | 109 | 0.43 | 0.44 | 113 | 0.026 |
| 33 | 4.36 | 4.42 | 94 | 0.2 | 13.4 | 13.8 | 119 | 0.67 | 0.29 | 0.31 | 97 | 0.28 | 0.3 | 83 | 0.016 |
| 34 | 3.99 | 4.01 | 104 | 0.26 | 12.8 | 13 | 96 | 0.19 | 0.43 | 0.44 | 133 | 0.5 | 0.51 | 142 | 0.053 |
| 35 | 3.71 | 3.73 | 96 | 0.32 | 14.1 | 14.2 | 101 | 0.42 | 0.39 | 0.4 | 118 | 0.44 | 0.44 | 113 | 0.035 |
| 36 | 4.1 | 4.15 | 107 | 0.44 | 13.3 | 13.6 | 96 | 0.63 | 0.25 | 0.26 | 76 | 0.28 | 0.29 | 74 | -0.011 |
| 37 | 3.52 | 3.55 | 92 | 0.32 | 13.2 | 13.5 | 100 | 0.41 | 0.28 | 0.3 | 91 | 0.34 | 0.35 | 97 | 0.004 |
| 38 | 4.38 | 4.5 | 117 | 0.27 | 11.2 | 12 | 89 | -0.02 | 0.38 | 0.42 | 127 | 0.49 | 0.52 | 144 | 0.066 |
| 39 | 4.29 | 4.43 | 115 | 0.58 | 12.6 | 13.5 | 100 | 0.64 | 0.39 | 0.43 | 130 | 0.36 | 0.4 | 111 | 0.046 |
| 40 | 3.44 | 3.61 | 94 | 0.35 | 14.9 | 16.2 | 120 | 1.01 | 0.28 | 0.34 | 103 | 0.33 | 0.39 | 108 | -0.003 |
| 41 | 4.26 | 4.43 | 115 | 0.51 | 13.6 | 14.7 | 109 | 0.7 | 0.33 | 0.38 | 115 | 0.3 | 0.35 | 97 | -0.007 |
| 42 | 4.58 | 4.7 | 122 | 0.59 | 13.1 | 13.9 | 103 | 0.46 | 0.48 | 0.52 | 158 | 0.38 | 0.41 | 114 | 0.033 |
| 43 | 3.78 | 3.92 | 102 | 0.17 | 13.4 | 14.2 | 105 | 0.06 | 0.62 | 0.66 | 200 | 0.5 | 0.54 | 150 | 0.088 |
| 44 | 4.67 | 4.72 | 123 | 0.92 | 13.3 | 13.6 | 101 | 0.66 | 0.23 | 0.25 | 76 | 0.37 | 0.39 | 108 | 0.004 |
| 45 | 3.54 | 3.68 | 96 | -0.1 | 13.6 | 14.4 | 107 | 0.36 | 0.36 | 0.4 | 121 | 0.37 | 0.41 | 114 | 0.015 |
| 46 | 4.21 | 4.27 | 111 | 0.55 | 13.5 | 13.9 | 103 | 0.45 | 0.29 | 0.31 | 94 | 0.39 | 0.41 | 114 | -0.011 |
| 47 | 3.16 | 3.31 | 86 | 0.43 | 11.5 | 12.3 | 91 | 0.34 | 0.22 | 0.26 | 79 | 0.28 | 0.32 | 89 | 0.003 |

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| LOT | PERCENT | | IMF | | RIBEYE | | | | RIB FAT | | | RUMP FAT | | | Fat EPD |
|-----|---------|------|-------|------|--------|------|-------|------|---------|------|-------|----------|------|-------|---------|
| | ACT | ADJ | RATIO | EPD | ACT | ADG | RATIO | EPD | ACT | ADG | RATIO | ACT | ADG | RATIO | |
| 48 | 3.35 | 3.52 | 92 | 0 | 13.1 | 14.2 | 105 | 0.43 | 0.38 | 0.43 | 130 | 0.36 | 0.41 | 114 | 0.035 |
| 49 | 3.25 | 3.28 | 100 | 0.57 | 13.8 | 14 | 100 | 0.65 | 0.2 | 0.21 | 100 | 0.32 | 0.33 | 100 | 0.021 |
| 50 | 2.72 | 2.73 | 100 | 0.34 | 14.9 | 15 | 100 | 0.55 | 0.36 | 0.37 | 100 | 0.4 | 0.41 | 100 | 0.02 |
| 51 | 4.14 | 4.14 | 101 | 0.44 | 13 | 13.2 | 101 | 0.86 | 0.26 | 0.27 | 82 | 0.39 | 0.4 | 105 | -0.033 |
| 52 | 4.72 | 4.69 | 117 | 0.62 | 11.7 | 11.7 | 86 | 0.28 | 0.42 | 0.42 | 131 | 0.54 | 0.54 | 154 | 0.069 |
| 53 | 2.51 | 2.5 | 63 | 0.13 | 14.2 | 14.4 | 106 | 0.82 | 0.29 | 0.3 | 94 | 0.31 | 0.32 | 91 | 0.007 |
| 54 | 3.94 | 3.94 | 99 | 0.18 | 14.6 | 14.8 | 109 | 0.62 | 0.43 | 0.44 | 138 | 0.44 | 0.45 | 129 | 0.004 |
| 55 | 3.89 | 4.03 | 99 | 0.57 | 12 | 13 | 99 | 0.62 | 0.33 | 0.38 | 115 | 0.31 | 0.35 | 92 | -0.014 |
| 56 | 3.96 | 4.11 | 107 | 0.5 | 12.8 | 13.9 | 103 | 0.18 | 0.42 | 0.47 | 142 | 0.38 | 0.43 | 119 | 0.007 |
| 57 | 2.64 | 2.68 | 69 | 0.05 | 13.4 | 13.6 | 96 | 0.7 | 0.26 | 0.27 | 79 | 0.31 | 0.32 | 82 | 0 |
| 58 | 4.75 | 4.86 | 127 | 0.83 | 10.5 | 11.2 | 83 | 0.25 | 0.22 | 0.25 | 76 | 0.27 | 0.3 | 83 | -0.01 |
| 59 | 2.99 | 3.16 | 82 | 0.48 | 14.4 | 15.4 | 114 | 0.82 | 0.32 | 0.37 | 112 | 0.25 | 0.3 | 83 | -0.043 |
| 60 | 4.15 | 4.31 | 112 | 0.34 | 12.7 | 13.7 | 101 | 0.64 | 0.26 | 0.31 | 94 | 0.28 | 0.32 | 89 | -0.016 |
| 61 | 3.42 | 3.58 | 93 | 0.63 | 12.8 | 13.8 | 102 | 0.6 | 0.34 | 0.39 | 118 | 0.39 | 0.43 | 119 | 0.028 |
| 62 | 3.83 | 4 | 104 | 0.28 | 13.7 | 14.7 | 109 | 0.47 | 0.34 | 0.39 | 118 | 0.42 | 0.47 | 131 | 0.033 |
| 63 | 5.09 | 5.15 | 134 | 0.92 | 12.8 | 13.2 | 98 | 0.17 | 0.51 | 0.53 | 161 | 0.57 | 0.59 | 164 | 0.076 |
| 64 | 2.51 | 2.68 | 70 | 0.08 | 12.4 | 13.4 | 99 | 0.34 | 0.19 | 0.24 | 73 | 0.25 | 0.3 | 83 | -0.01 |
| 65 | 4.44 | 4.51 | 117 | 0.64 | 13.8 | 14.2 | 105 | 0.58 | 0.25 | 0.27 | 82 | 0.32 | 0.34 | 94 | 0.019 |
| 66 | 3.55 | 3.57 | 93 | 0.42 | 13.6 | 13.8 | 102 | 0.52 | 0.31 | 0.32 | 97 | 0.46 | 0.47 | 131 | 0.056 |
| 67 | 3.6 | 3.63 | 95 | 0.45 | 14.4 | 14.7 | 109 | 0.87 | 0.21 | 0.22 | 67 | 0.26 | 0.27 | 75 | -0.037 |
| 68 | 5.68 | 5.75 | 113 | 0.23 | 12.6 | 13.1 | 97 | 1.17 | 0.23 | 0.25 | 104 | 0.22 | 0.24 | 86 | -0.002 |
| 69 | 3.41 | 3.44 | 90 | 0.55 | 12.1 | 12.4 | 92 | 0.36 | 0.27 | 0.28 | 85 | 0.35 | 0.36 | 100 | -0.015 |
| 70 | 3.65 | 3.72 | 93 | 0.26 | 12.4 | 13 | 96 | 0.45 | 0.29 | 0.32 | 100 | 0.33 | 0.36 | 103 | 0.007 |
| 71 | 4.4 | 4.41 | 110 | 0.53 | 12.9 | 13.1 | 96 | 0.58 | 0.29 | 0.3 | 94 | 0.32 | 0.33 | 94 | -0.019 |
| 72 | 3.53 | 3.52 | 88 | 0.08 | 14.9 | 15 | 110 | 0.78 | 0.26 | 0.27 | 84 | 0.35 | 0.36 | 103 | -0.015 |
| 73 | 5.16 | 5.14 | 129 | 0.85 | 13.6 | 13.7 | 101 | 0.69 | 0.36 | 0.36 | 113 | 0.27 | 0.27 | 77 | 0.002 |
| 74 | 3.33 | 3.5 | 91 | 0.22 | 11.8 | 13.1 | 97 | 0.05 | 0.26 | 0.32 | 97 | 0.32 | 0.38 | 106 | 0.03 |
| 75 | 4.13 | 4.3 | 112 | 0.79 | 13.2 | 14.2 | 105 | 0.59 | 0.25 | 0.3 | 91 | 0.33 | 0.38 | 106 | -0.017 |
| 76 | 3.59 | 3.56 | 89 | 0.19 | 14.4 | 14.4 | 106 | 0.86 | 0.27 | 0.27 | 84 | 0.24 | 0.24 | 69 | -0.064 |
| 77 | 5.02 | 5.02 | 126 | 0.48 | 13.2 | 13.4 | 99 | 0.3 | 0.41 | 0.42 | 131 | 0.51 | 0.52 | 149 | 0.033 |
| 78 | 3.87 | 3.91 | 101 | 0.27 | 13.1 | 13.3 | 94 | 0.58 | 0.31 | 0.32 | 94 | 0.33 | 0.34 | 87 | 0.002 |
| 79 | 4.52 | 4.49 | 112 | 0.43 | 12.9 | 12.9 | 95 | 0.39 | 0.24 | 0.24 | 75 | 0.31 | 0.31 | 89 | 0.016 |
| 80 | 3.6 | 3.75 | 98 | 0.31 | 12.7 | 13.6 | 101 | 0.61 | 0.2 | 0.24 | 73 | 0.19 | 0.23 | 64 | -0.006 |
| 81 | 4.02 | 4.13 | 108 | 0.26 | 11.3 | 12 | 89 | 0.25 | 0.32 | 0.36 | 109 | 0.4 | 0.43 | 119 | -0.017 |
| 82 | 2.94 | 3.1 | 81 | 0.28 | 11.2 | 12.1 | 90 | 0.64 | 0.3 | 0.34 | 103 | 0.22 | 0.26 | 72 | -0.007 |
| 83 | 3.03 | 3.2 | 83 | 0.17 | 13.7 | 14.6 | 108 | 0.82 | 0.23 | 0.27 | 82 | 0.22 | 0.26 | 72 | -0.016 |
| 84 | 4.96 | 5.1 | 133 | 0.39 | 10.9 | 11.7 | 87 | 0.15 | 0.39 | 0.43 | 130 | 0.37 | 0.41 | 114 | 0.009 |
| 85 | 3.39 | 3.51 | 91 | 0.3 | 12.6 | 13.3 | 99 | 0.7 | 0.17 | 0.2 | 61 | 0.28 | 0.31 | 86 | -0.025 |
| 86 | 4.84 | 4.98 | 130 | 1.03 | 11.9 | 12.7 | 94 | 0.43 | 0.31 | 0.35 | 106 | 0.43 | 0.47 | 131 | 0.018 |
| 87 | 4.29 | 4.36 | 114 | 0.9 | 12.9 | 13.4 | 99 | 0.45 | 0.4 | 0.42 | 127 | 0.34 | 0.36 | 100 | 0.011 |
| 88 | 3.82 | 3.89 | 101 | 0.34 | 12.4 | 12.7 | 94 | 1 | 0.18 | 0.2 | 61 | 0.3 | 0.31 | 86 | -0.032 |
| 89 | 3.24 | 3.26 | 85 | 0.21 | 11.8 | 12.3 | 91 | 0.37 | 0.25 | 0.28 | 85 | 0.3 | 0.32 | 89 | 0.029 |
| 90 | 2.83 | 2.99 | 78 | 0.29 | 12.5 | 13.5 | 100 | 0.25 | 0.31 | 0.36 | 109 | 0.28 | 0.32 | 89 | 0.023 |
| 91 | 2.07 | 2.24 | 58 | 0.01 | 14.6 | 15.4 | 114 | 0.72 | 0.26 | 0.3 | 91 | 0.3 | 0.34 | 94 | 0.002 |
| 92 | 3.36 | 3.5 | 91 | 0.4 | 11.8 | 12.6 | 93 | 0.09 | 0.41 | 0.45 | 136 | 0.32 | 0.36 | 100 | 0.056 |

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|------|---------|------|-------|--------|--------|-------|-------|--------|---------|------|-------|----------|------|-------|---------|
| | ACT | ADJ | RATIO | EPD | ACT | ADG | RATIO | EPD | ACT | ADG | RATIO | ACT | ADG | RATIO | |
| 93 | 5.07 | 5.23 | 136 | 1.1 | 11.8 | 12.7 | 94 | 0.46 | 0.35 | 0.39 | 118 | 0.26 | 0.3 | 83 | 0.003 |
| 94 | 3.39 | 3.41 | 89 | 0.63 | 13.3 | 13.5 | 100 | 0.33 | 0.28 | 0.29 | 88 | 0.32 | 0.33 | 92 | 0.024 |
| 95 | 4.24 | 4.28 | 111 | 0.61 | 13.6 | 13.9 | 103 | 0.98 | 0.23 | 0.24 | 73 | 0.19 | 0.2 | 56 | -0.027 |
| 96 | 4.12 | 4.12 | 103 | 0.48 | 13.7 | 13.9 | 102 | 0.44 | 0.38 | 0.39 | 122 | 0.31 | 0.32 | 91 | 0.066 |
| 97 | 3.25 | 3.26 | 82 | 0.13 | 14.1 | 14.3 | 105 | 0.53 | 0.26 | 0.27 | 84 | 0.28 | 0.29 | 83 | 0.009 |
| 98 | 3.82 | 3.92 | 98 | 0.48 | 13.4 | 14.1 | 104 | 0.62 | 0.26 | 0.29 | 91 | 0.32 | 0.35 | 100 | 0.016 |
| 99 | 3.72 | 3.7 | 93 | 0.52 | 14 | 14.1 | 104 | 0.72 | 0.21 | 0.21 | 66 | 0.23 | 0.23 | 66 | 0.003 |
| 100 | 3.88 | 4 | 100 | 0.82 | 11.6 | 12.4 | 91 | 0.14 | 0.29 | 0.33 | 103 | 0.42 | 0.45 | 129 | 0.06 |
| 101 | 3.32 | 3.32 | 83 | 0.34 | 13.3 | 13.5 | 99 | 0.49 | 0.34 | 0.35 | 109 | 0.33 | 0.34 | 97 | -0.012 |
| 102 | 3.39 | 3.46 | 87 | 0.35 | 12.6 | 13.2 | 97 | 0.4 | 0.21 | 0.24 | 75 | 0.22 | 0.25 | 71 | 0.011 |
| 103 | 3.30 | 3.38 | 88 | + 0.15 | 13.20 | 13.70 | 101 | + 0.48 | 0.25 | 0.27 | 82 | 0.31 | 0.33 | 94 | 0.012 |
| 104 | 4.69 | 4.83 | 126 | 0.87 | 12.2 | 13.2 | 98 | 0.45 | 0.32 | 0.37 | 112 | 0.35 | 0.39 | 108 | -0.013 |
| 105 | 2.6 | 2.76 | 72 | 0.27 | 12.3 | 13.2 | 98 | 0.62 | 0.23 | 0.27 | 82 | 0.24 | 0.28 | 78 | -0.004 |
| 106 | 4.8 | 4.97 | 129 | 0.66 | 12.8 | 13.7 | 101 | 0.73 | 0.22 | 0.26 | 79 | 0.24 | 0.28 | 78 | -0.013 |
| 107 | 2.55 | 2.6 | 67 | 0.21 | 14.3 | 14.6 | 104 | 0.67 | 0.19 | 0.2 | 59 | 0.31 | 0.32 | 82 | 0.017 |
| 108 | 2.14 | 2.27 | 59 | 0.17 | 14.4 | 15.2 | 113 | 0.68 | 0.33 | 0.37 | 112 | 0.31 | 0.34 | 94 | -0.011 |
| 109 | 4.06 | 4.12 | 107 | 0.07 | 12.2 | 12.5 | 93 | 0.44 | 0.22 | 0.23 | 70 | 0.35 | 0.36 | 100 | -0.018 |
| 110 | 3.75 | 3.84 | 100 | 0.52 | 13.4 | 13.9 | 103 | 0.38 | 0.44 | 0.46 | 139 | 0.37 | 0.39 | 108 | 0.061 |
| 111 | 4.4 | 4.48 | 117 | 0.37 | 11.4 | 11.9 | 88 | -0.05 | 0.41 | 0.44 | 133 | 0.43 | 0.45 | 125 | 0.025 |
| 112 | 3.46 | 3.6 | 94 | 0.33 | 12.9 | 13.6 | 101 | 0.08 | 0.39 | 0.43 | 130 | 0.33 | 0.36 | 100 | 0.052 |
| 113 | 3.85 | 3.91 | 102 | 0.2 | 14.1 | 14.4 | 107 | 0.82 | 0.29 | 0.31 | 94 | 0.34 | 0.36 | 100 | -0.016 |
| 114 | 1.76 | 1.89 | 100 | 0.31 | 13.6 | 14.4 | 100 | 0.53 | 0.23 | 0.27 | 100 | 0.35 | 0.39 | 100 | 0.012 |
| 115 | 4.23 | 4.36 | 114 | 0.42 | 11.2 | 11.8 | 87 | 0.18 | 0.36 | 0.39 | 118 | 0.42 | 0.45 | 125 | 0.061 |
| 116 | 3.3 | 3.42 | 89 | 0.51 | 13.9 | 14.6 | 108 | 0.73 | 0.25 | 0.28 | 85 | 0.24 | 0.27 | 75 | -0.003 |
| 117 | 3.85 | 3.96 | 103 | 0.52 | 12.7 | 13.3 | 99 | 0.38 | 0.27 | 0.3 | 91 | 0.32 | 0.35 | 97 | -0.006 |
| 118 | 4.05 | 4.09 | 102 | 0.67 | 12.2 | 12.7 | 93 | 0.06 | 0.4 | 0.42 | 131 | 0.39 | 0.41 | 117 | 0.031 |
| 119 | 4.64 | 4.81 | 120 | 0.5 | 10.3 | 11.4 | 84 | 0.24 | 0.27 | 0.32 | 100 | 0.32 | 0.37 | 106 | 0.013 |
| 120 | 4.76 | 4.89 | 122 | 0.63 | 11.9 | 12.8 | 94 | 0.37 | 0.33 | 0.37 | 116 | 0.4 | 0.44 | 126 | 0.027 |
| 121 | 3.57 | 3.74 | 94 | 0.36 | 12.5 | 13.6 | 100 | 0.53 | 0.26 | 0.31 | 97 | 0.24 | 0.29 | 83 | 0.011 |
| 122 | 3.49 | 3.54 | 91 | 0.34 | 13 | 13.2 | 94 | 0.46 | 0.33 | 0.34 | 100 | 0.32 | 0.33 | 85 | 0.04 |
| 123 | 3.58 | 3.69 | 96 | 0.18 | 12.6 | 13.3 | 99 | 0.43 | 0.38 | 0.42 | 127 | 0.38 | 0.41 | 114 | 0.025 |
| 124 | 2.92 | 3.04 | 76 | 0.18 | 13.3 | 14.1 | 104 | 0.69 | 0.23 | 0.27 | 84 | 0.34 | 0.38 | 109 | -0.013 |
| 125 | 3.03 | 3.15 | 82 | 0.41 | 13.1 | 13.8 | 102 | 0.48 | 0.31 | 0.34 | 103 | 0.35 | 0.38 | 106 | 0.048 |
| 126X | 3.18 | 3.17 | 79 | 0.12 | 13.6 | 13.7 | 101 | 0.58 | 0.22 | 0.23 | 72 | 0.33 | 0.34 | 97 | 0.004 |
| 127 | 4.15 | 4.22 | 110 | 0.29 | 13.7 | 14.2 | 105 | 0.34 | 0.43 | 0.45 | 136 | 0.48 | 0.5 | 139 | 0.063 |
| 128 | 3.7 | 3.82 | 99 | 0.3 | 12.7 | 13.3 | 99 | 0.67 | 0.25 | 0.28 | 85 | 0.2 | 0.23 | 64 | -0.01 |
| 129 | 2.92 | 2.98 | 78 | 0.48 | 11.9 | 12.2 | 90 | 0.48 | 0.24 | 0.26 | 79 | 0.33 | 0.35 | 97 | 0.018 |
| 130 | 3.3 | 3.38 | 88 | 0.15 | 13.2 | 13.7 | 101 | 0.47 | 0.25 | 0.27 | 82 | 0.26 | 0.28 | 78 | -0.023 |
| 131 | 4.06 | 4.08 | 102 | 0.61 | 12.6 | 12.9 | 95 | 0.35 | 0.21 | 0.22 | 69 | 0.2 | 0.21 | 60 | -0.015 |
| 132 | 4.24 | 4.33 | 108 | 0.65 | 11.7 | 12.4 | 91 | 0.4 | 0.24 | 0.27 | 84 | 0.33 | 0.36 | 103 | 0.035 |
| 133 | 3.28 | 3.26 | 82 | 0.64 | 13 | 13.1 | 96 | 0.61 | 0.23 | 0.24 | 75 | 0.3 | 0.31 | 89 | 0.023 |
| 135 | 3.38 | 3.52 | 92 | 0.42 | 12.4 | 13 | 96 | 0.32 | 0.15 | 0.18 | 55 | 0.19 | 0.22 | 61 | -0.003 |
| 136 | 3.62 | 3.79 | 99 | 0.55 | 11.2 | 12.2 | 90 | 0.36 | 0.2 | 0.25 | 76 | 0.32 | 0.36 | 100 | 0.004 |
| 138 | 3.49 | 3.63 | 95 | 0.29 | 12.7 | 13.4 | 99 | 0.63 | 0.2 | 0.24 | 73 | 0.19 | 0.22 | 61 | 0.017 |
| 139 | 3.7 | 3.75 | 98 | 0.35 | 13 | 13.3 | 99 | 0.76 | 0.24 | 0.26 | 79 | 0.31 | 0.32 | 89 | -0.003 |
| 140 | 2.38 | 2.5 | 65 | 0.35 | 12.5 | 13.1 | 97 | 0.08 | 0.21 | 0.24 | 73 | 0.26 | 0.29 | 81 | 0.009 |
| 141 | 2.67 | 2.71 | 71 | 0.18 | 12 | 12.2 | 90 | 0.41 | 0.22 | 0.23 | 70 | 0.32 | 0.33 | 92 | 0.02 |

TC RANCH SALE SUPPLEMENT 2/28/2018
 Bulls scanned on 1/15/18 ---Ultrasound
 Technician Will Larsen --- Data Processed by "CUP" Program

| LOT | PERCENT | | IMF | | RIBEYE | | | | RIB FAT | | | RUMP FAT | | | Fat EPD |
|-----|---------|------|-------|------|--------|------|-------|------|---------|------|-------|----------|------|-------|---------|
| | ACT | ADJ | RATIO | EPD | ACT | ADG | RATIO | EPD | ACT | ADG | RATIO | ACT | ADG | RATIO | |
| 143 | 3.96 | 4.13 | 119 | 0.3 | 10.9 | 11.9 | 93 | 0.47 | 0.2 | 0.25 | 96 | 0.3 | 0.34 | 106 | 0.008 |
| 144 | 4.52 | 4.53 | 113 | 0.54 | 11.2 | 11.5 | 85 | 0.62 | 0.22 | 0.23 | 72 | 0.24 | 0.25 | 71 | -0.007 |
| 145 | 4.39 | 4.42 | 94 | 0.34 | 11.2 | 11.4 | 98 | 0.42 | 0.28 | 0.29 | 91 | 0.4 | 0.41 | 114 | 0.059 |
| 146 | 5.16 | 5.2 | 111 | 0.57 | 9.4 | 9.6 | 83 | 0.39 | 0.34 | 0.35 | 109 | 0.36 | 0.37 | 103 | 0.055 |
| 147 | 2.8 | 2.95 | 77 | 0.22 | 12.7 | 13.4 | 99 | 0.46 | 0.26 | 0.29 | 88 | 0.27 | 0.3 | 83 | 0.013 |
| 148 | 4.31 | 4.09 | 100 | 0.57 | 13.2 | 12.2 | 100 | 0.39 | 0.37 | 0.32 | 100 | 0.41 | 0.36 | 100 | 0.063 |
| 150 | 3.67 | 3.73 | 88 | 0.31 | 12.6 | 12.9 | 102 | 0.43 | 0.28 | 0.3 | 120 | 0.29 | 0.3 | 115 | 0.016 |
| 151 | 6.25 | 6.23 | 147 | 0.59 | 11.9 | 11.8 | 94 | 0.66 | 0.28 | 0.28 | 112 | 0.31 | 0.31 | 119 | 0.011 |
| 152 | 4.49 | 4.53 | 107 | 0.33 | 13.2 | 13.4 | 106 | 0.47 | 0.29 | 0.3 | 120 | 0.25 | 0.26 | 100 | 0.03 |
| 153 | 4.47 | 4.44 | 104 | 0.35 | 12.5 | 12.4 | 98 | 0.54 | 0.19 | 0.18 | 72 | 0.23 | 0.23 | 88 | -0.007 |
| 154 | 4.3 | 4.38 | 100 | 0.25 | 12 | 12.5 | 100 | 0.18 | 0.3 | 0.32 | 100 | 0.41 | 0.43 | 100 | 0.043 |
| 155 | 5.25 | 5.25 | 124 | 0.65 | 13 | 13 | 103 | 0.43 | 0.26 | 0.26 | 104 | 0.31 | 0.31 | 119 | 0.034 |
| 155 | 4.25 | 4.1 | 100 | 0.55 | 12.5 | 11.8 | 100 | 0.82 | 0.2 | 0.17 | 100 | 0.25 | 0.22 | 100 | -0.001 |
| 156 | 3.67 | 3.64 | 86 | 0.19 | 15.2 | 15.1 | 120 | 0.51 | 0.27 | 0.27 | 108 | 0.34 | 0.34 | 131 | 0.024 |
| 157 | 4.25 | 4.42 | 101 | 0.49 | 14.2 | 15.3 | 113 | 0.86 | 0.26 | 0.31 | 103 | 0.29 | 0.34 | 103 | 0.004 |
| 158 | 5.29 | 5.24 | 123 | 0.14 | 12.2 | 12 | 95 | 0.9 | 0.22 | 0.21 | 84 | 0.23 | 0.22 | 85 | -0.022 |
| 159 | 5.22 | 5.08 | 144 | 0.6 | 12.8 | 12.1 | 94 | 0.73 | 0.17 | 0.14 | 78 | 0.14 | 0.11 | 50 | -0.027 |
| 160 | 4.94 | 4.92 | 116 | 0.67 | 13.9 | 13.8 | 110 | 0.5 | 0.32 | 0.32 | 128 | 0.31 | 0.31 | 119 | 0.021 |
| 161 | 3.85 | 3.83 | 90 | 0.53 | 12.9 | 12.9 | 102 | 0.33 | 0.26 | 0.26 | 104 | 0.34 | 0.34 | 131 | 0.031 |
| 162 | 3.12 | 3.11 | 73 | 0.06 | 14.2 | 14.2 | 113 | 0.4 | 0.26 | 0.26 | 104 | 0.23 | 0.23 | 88 | 0.002 |
| 163 | 4.09 | 4.16 | 98 | 0.55 | 13.1 | 13.5 | 107 | 0.43 | 0.25 | 0.27 | 108 | 0.29 | 0.31 | 119 | 0.006 |
| 164 | 4.34 | 4.33 | 91 | 0.47 | 12.6 | 12.7 | 94 | 0.39 | 0.29 | 0.3 | 115 | 0.29 | 0.3 | 91 | 0.034 |
| 165 | 3.94 | 3.92 | 92 | 0.36 | 12.6 | 12.5 | 99 | 0.39 | 0.3 | 0.3 | 120 | 0.22 | 0.22 | 85 | 0.046 |
| 166 | 4.14 | 4.09 | 86 | 0.64 | 14.5 | 14.4 | 107 | 0.5 | 0.24 | 0.24 | 92 | 0.31 | 0.31 | 94 | 0.039 |
| 168 | 5.33 | 5.33 | 125 | 1 | 12.7 | 12.7 | 101 | 0.41 | 0.21 | 0.21 | 84 | 0.22 | 0.22 | 85 | 0.034 |
| 169 | 5.67 | 5.67 | 119 | 0.69 | 13.6 | 13.8 | 102 | 0.62 | 0.21 | 0.22 | 85 | 0.38 | 0.39 | 118 | 0.004 |
| 170 | 4.59 | 4.62 | 109 | 0.41 | 12.5 | 12.8 | 102 | 0.1 | 0.31 | 0.32 | 128 | 0.31 | 0.32 | 123 | 0.032 |
| 171 | 4.37 | 4.35 | 102 | 0.5 | 12.3 | 12.3 | 98 | 0.57 | 0.27 | 0.27 | 108 | 0.2 | 0.2 | 77 | 0.016 |
| 172 | 3.28 | 3.22 | 91 | 0.37 | 13.4 | 13.2 | 102 | 0.3 | 0.24 | 0.23 | 128 | 0.32 | 0.31 | 141 | 0.016 |
| 173 | 4.14 | 4.11 | 97 | 0.4 | 12 | 11.9 | 94 | 0.15 | 0.22 | 0.22 | 88 | 0.25 | 0.25 | 96 | 0.007 |
| 174 | 3.05 | 3.03 | 71 | 0.11 | 12.1 | 12 | 95 | 0.67 | 0.22 | 0.22 | 88 | 0.25 | 0.25 | 96 | 0.022 |
| 175 | 5.55 | 5.53 | 130 | 0.48 | 12.6 | 12.6 | 100 | 0.24 | 0.32 | 0.32 | 128 | 0.31 | 0.31 | 119 | 0.041 |
| 177 | 6.21 | 6.19 | 146 | 0.31 | 14.3 | 14.2 | 113 | 0.53 | 0.24 | 0.24 | 96 | 0.25 | 0.25 | 96 | 0.034 |
| 178 | 3.16 | 3.16 | 74 | 0.29 | 13.2 | 13.2 | 105 | 0.63 | 0.26 | 0.26 | 104 | 0.31 | 0.31 | 119 | 0.022 |
| 179 | 2.81 | 2.73 | 77 | 0.41 | 12.8 | 12.5 | 97 | 0.57 | 0.17 | 0.15 | 83 | 0.2 | 0.19 | 86 | 0.006 |
| 180 | 3.21 | 3.12 | 88 | 0.52 | 14.3 | 13.9 | 108 | 0.74 | 0.22 | 0.2 | 111 | 0.27 | 0.25 | 114 | -0.004 |
| 181 | 5.77 | 5.83 | 137 | 0.74 | 11.5 | 11.8 | 94 | 0.34 | 0.22 | 0.24 | 96 | 0.25 | 0.26 | 100 | 0.02 |
| 182 | 4.17 | 4.22 | 99 | 0.39 | 12.8 | 13.1 | 104 | 0.58 | 0.19 | 0.2 | 80 | 0.22 | 0.23 | 88 | 0.03 |
| 183 | 5.06 | 5.04 | 119 | 0.86 | 12.5 | 12.4 | 98 | 0.16 | 0.22 | 0.22 | 88 | 0.25 | 0.25 | 96 | 0.022 |
| 184 | 2.87 | 2.86 | 67 | 0.43 | 12.3 | 12.3 | 98 | 0.55 | 0.22 | 0.22 | 88 | 0.18 | 0.18 | 69 | -0.022 |
| 185 | 5.8 | 5.8 | 136 | 0.61 | 10.5 | 10.5 | 83 | 0.2 | 0.2 | 0.2 | 80 | 0.2 | 0.2 | 77 | 0.01 |
| 186 | 3.15 | 3.16 | 74 | 0.3 | 11.7 | 11.8 | 94 | 0.35 | 0.22 | 0.23 | 92 | 0.2 | 0.21 | 81 | 0 |
| 187 | 5.45 | 5.45 | 114 | 0.55 | 11.7 | 11.9 | 88 | 0.08 | 0.23 | 0.24 | 92 | 0.32 | 0.33 | 100 | 0.021 |
| 188 | 4.66 | 4.64 | 109 | 0.59 | 12.6 | 12.5 | 99 | 0.42 | 0.16 | 0.16 | 64 | 0.25 | 0.25 | 96 | 0.008 |
| 189 | 3.92 | 3.98 | 94 | 0.4 | 13.7 | 14.1 | 112 | 0.38 | 0.37 | 0.39 | 156 | 0.4 | 0.42 | 162 | 0.035 |
| 190 | 3.49 | 3.49 | 82 | 0.25 | 12 | 12.1 | 96 | 0.65 | 0.18 | 0.18 | 72 | 0.2 | 0.2 | 77 | -0.015 |
| 191 | 5.63 | 5.5 | 101 | 0.33 | 14.9 | 14.6 | 115 | 0.86 | 0.16 | 0.15 | 79 | 0.23 | 0.22 | 100 | -0.029 |

TC RANCH SALE SUPPLEMENT 2/28/2018
 Bulls scanned on 1/15/18 ---Ultrasound
 Technician Will Larsen --- Data Processed by "CUP" Program

| LOT | PERCENT | | IMF | | RIBEYE | | | | RIB FAT | | | RUMP FAT | | | Fat EPD |
|-----|---------|------|-------|--------|--------|-------|-------|--------|---------|------|-------|----------|-----|-------|---------|
| | ACT | ADJ | RATIO | EPD | ACT | ADG | RATIO | EPD | ACT | ADG | RATIO | ACT | ADG | RATIO | |
| 192 | 4.30 | 4.40 | 116 | + 0.80 | 13.40 | 14.20 | 103 | + 0.62 | 0.29 | 0.31 | 111 | | | | -0.016 |
| 193 | 3.77 | 3.88 | 102 | + 0.31 | 12.60 | 13.40 | 103 | + 0.34 | 0.32 | 0.33 | 118 | | | | -0.016 |
| 194 | 3.17 | 3.24 | 85 | + 0.20 | 14.10 | 14.60 | 106 | + 0.82 | 0.35 | 0.36 | 129 | | | | -0.010 |
| 195 | 4.07 | 4.07 | 107 | + 0.44 | 13.20 | 13.20 | 96 | + 0.50 | 0.29 | 0.29 | 104 | | | | -0.039 |
| 196 | 3.35 | 3.35 | 88 | + 0.06 | 14.90 | 14.90 | 108 | + 0.76 | 0.27 | 0.27 | 96 | | | | -0.032 |
| 197 | 3.57 | 3.69 | 97 | + 0.28 | 14.00 | 14.90 | 108 | + 0.74 | 0.27 | 0.29 | 104 | | | | -0.032 |
| 199 | 4.12 | 4.12 | 108 | + 0.39 | 13.10 | 13.00 | 108 | + 0.48 | 0.23 | 0.23 | 82 | | | | -0.059 |
| 201 | 3.57 | 3.67 | 97 | 0.42 | 13.00 | 13.90 | 101 | 0.43 | 0.23 | 0.25 | 89 | | | | -0.03 |
| 202 | 3.88 | | | | 13.40 | | | | 0.26 | | | | | | |