CE3105 Mechanics of Fluids Laboratory Department of Civil Engineering

Texas Tech University

Experiment: Pipework Energy Losses - Data Sheet

Date of Experiment: \_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Experimental Data:**

Temperature of water, T= \_\_\_\_\_\_\_\_ ◦Celsius Water density, ρ = (lb/ft3) Gravity, g= 32.2 (ft/s2

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reading**  **Number** | **Volume of Water (L)** | **Time (s)** | **Flow Rate** | **Tube Height Reading (mm)** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Instructor’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Don Bundock**