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Big Water Test Data

Liquid Trans Hydro Mini
Closed Relay w/25 ft Lift Test
Clarksburg, MD
May 2004

Facts & Figures...

- During May 2004, Larry Davis, VP of GBW Associates, LLC led a series of performance tests and operational demonstrations on the Liquid Trans Hydro Mini. This presentation is a brief summary of the various tests.
- Several tests were conducted in Maryland where the focus was on overcoming lift and maximizing flow output.

Test Site Overview

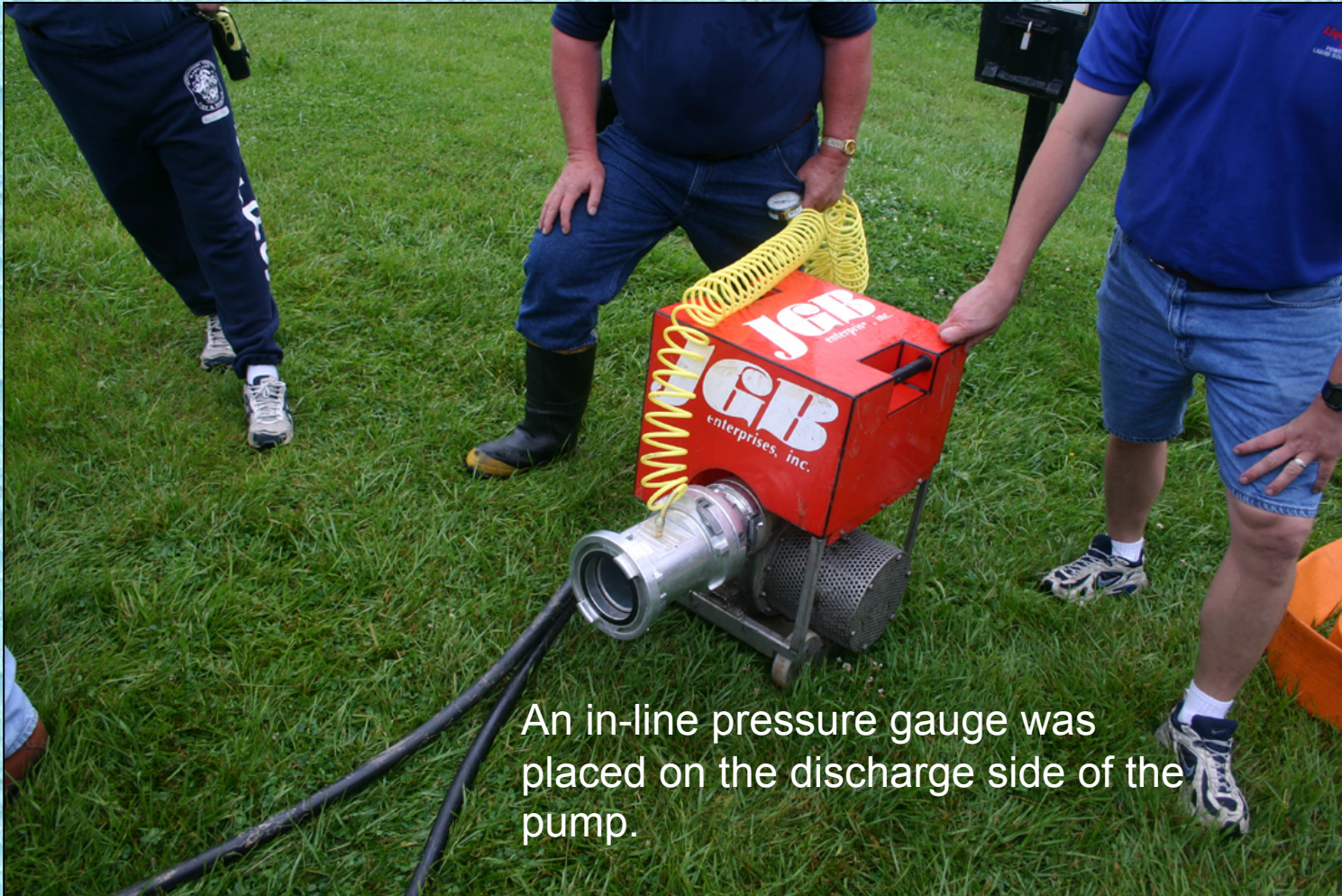
Site was a large lake in Clarksburg, MD.



Operational Briefing

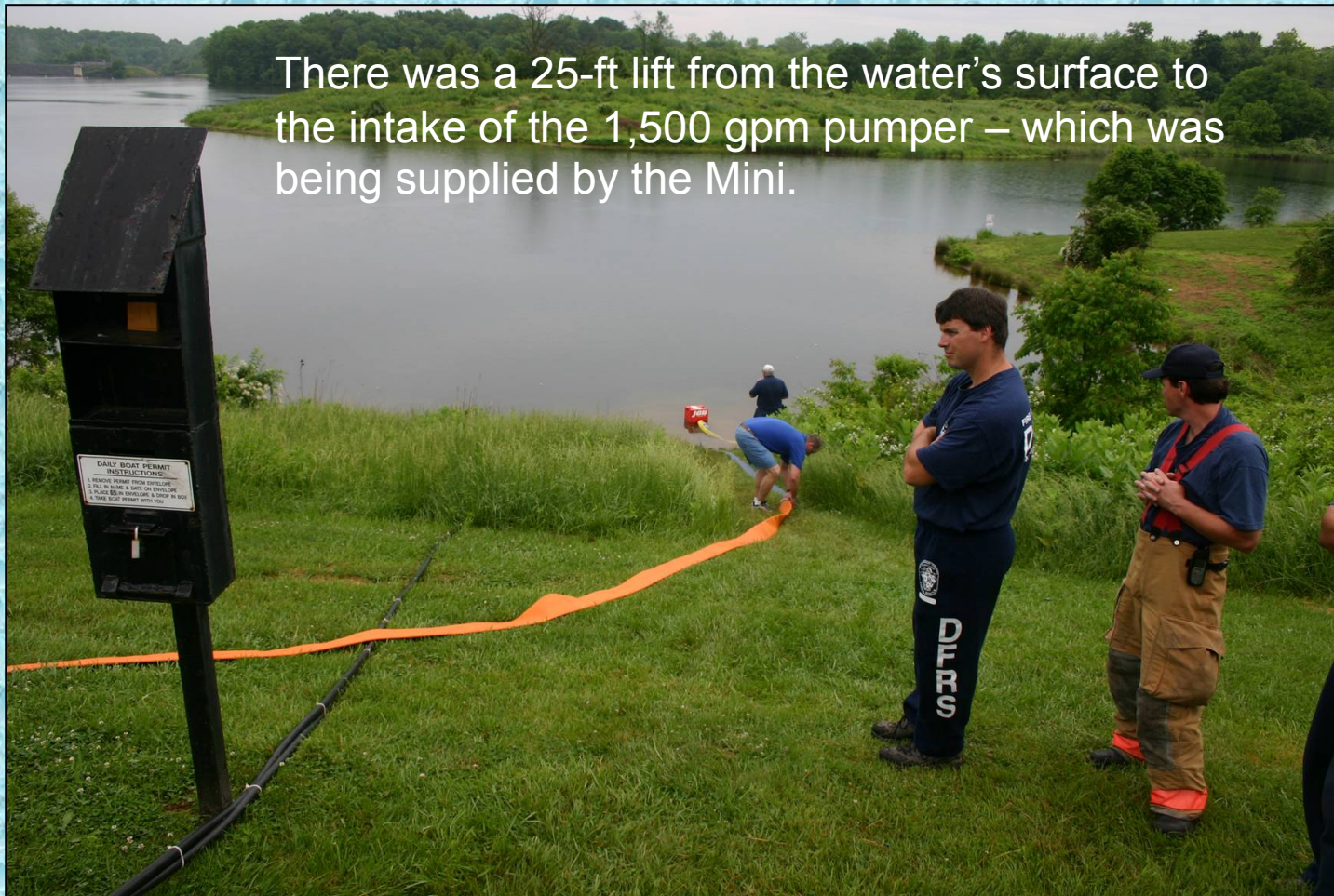


Pressure Measurement



An in-line pressure gauge was placed on the discharge side of the pump.

Vertical Lift



Pump Supplies 4-inch Hose

Mini was connected to 150 ft of 4-inch supply hose.



Remote
pressure gauge

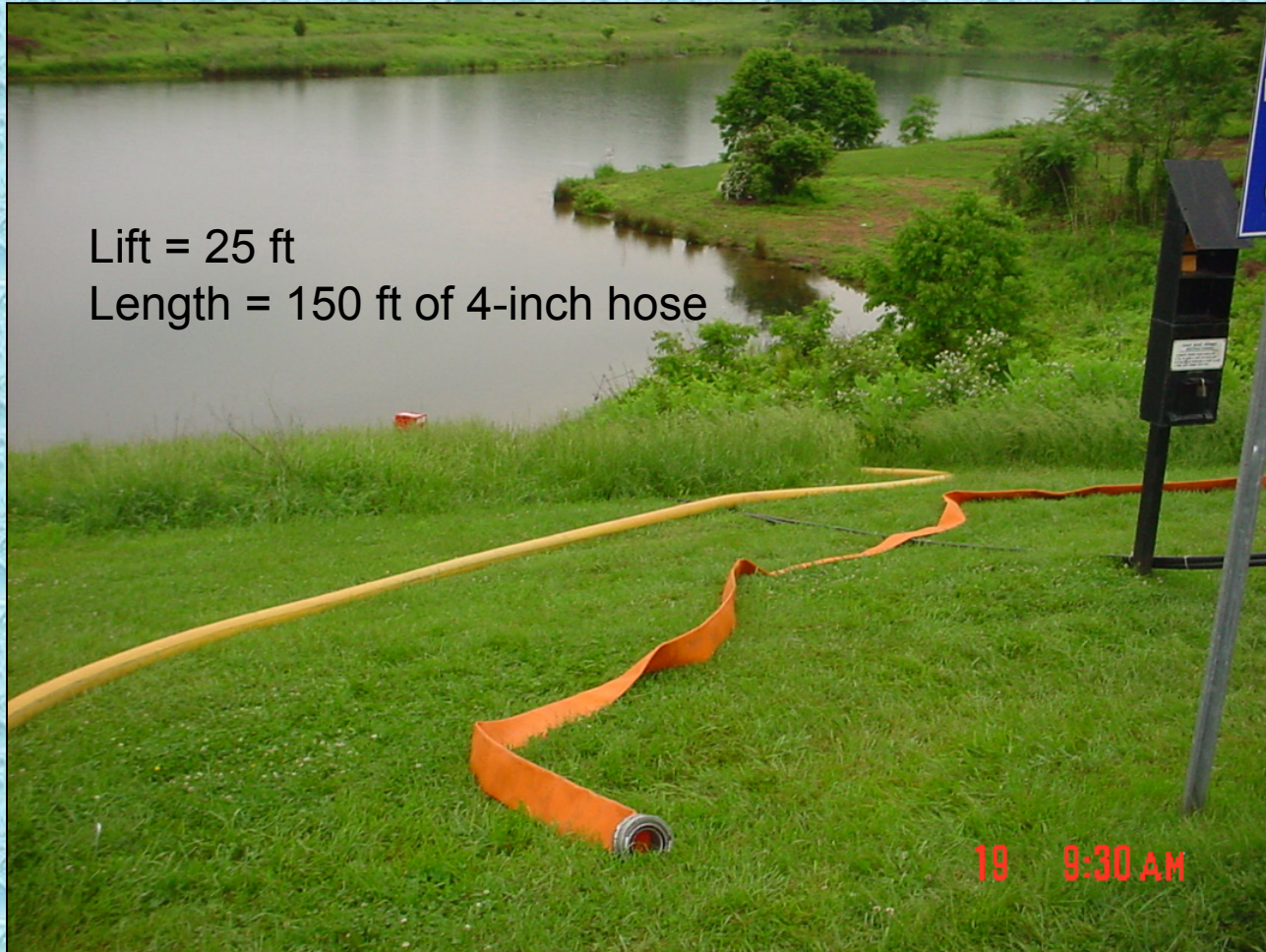
19 9:09 AM

Pumping Uphill to 1,500 gpm Pumper



Overcoming Lift and Distance

Lift = 25 ft
Length = 150 ft of 4-inch hose



19 9:30 AM

Intake and Discharge



TFT Crossfire Supplied by Pumper

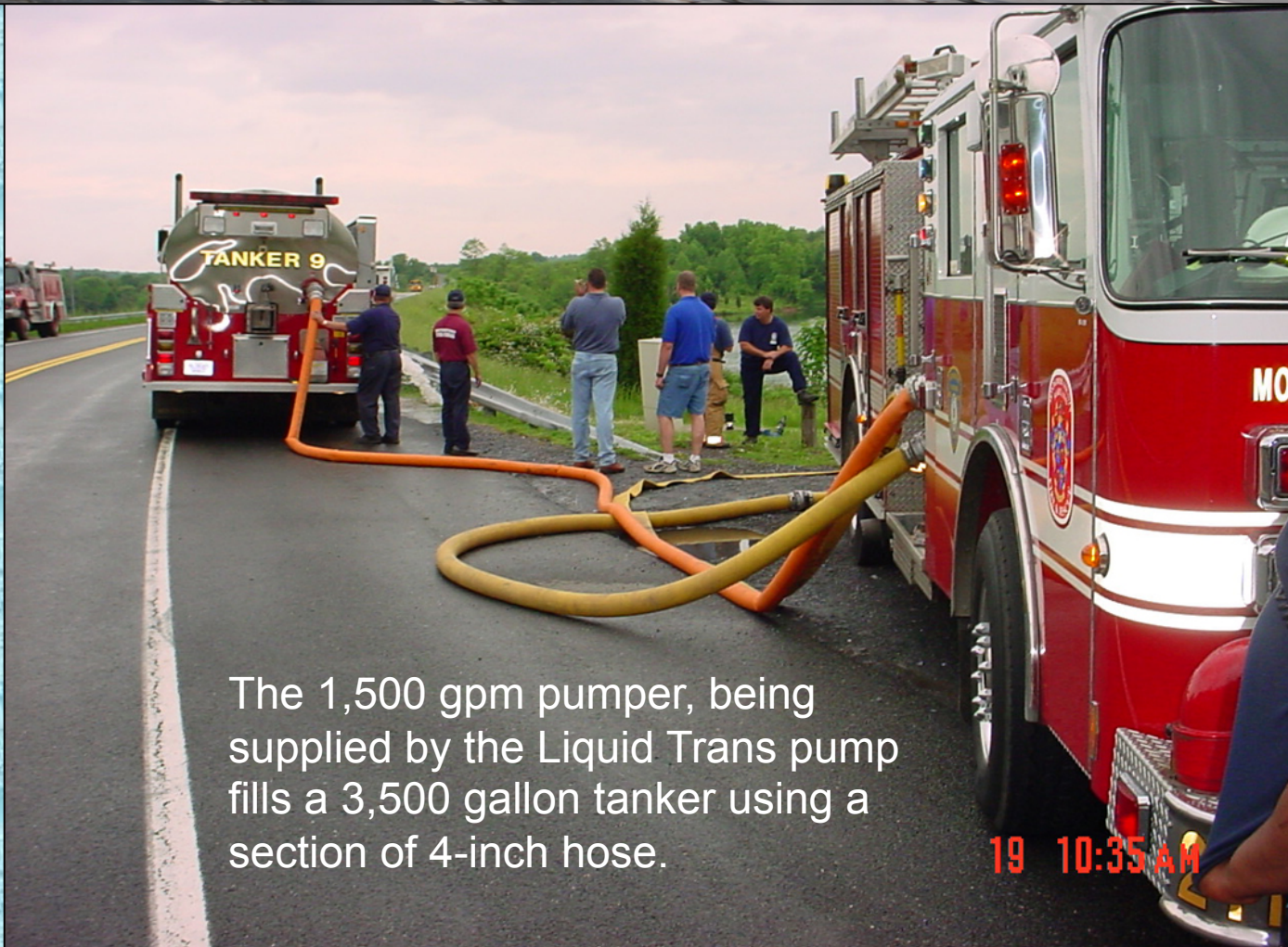


Dual Lines Test

LDH manifold attached at the Mini pump and supplied two, 4-inch hose lines to the 1,500 gpm pumper.



Filling a Tanker



The 1,500 gpm pumper, being supplied by the Liquid Trans pump fills a 3,500 gallon tanker using a section of 4-inch hose.

Fill Time Reduced



The 3,500 gallon tanker was filled in 3:57 minutes - a rate of 875 gpm.



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