

**MANUAL OR TIMER OPERATED STOCKWATER PIPELINE
PUMPED SEGMENT HYDRAULIC COMPUTATION WORKSHEET**

Land user _____

Job description _____

Farm No. _____ Tract No. _____ Field No. _____ County _____

Designer _____ Date _____ Checked by _____ Date _____

Water surface elevation during pumping (WS) _____

Pumped segment end station critical point (CP): Station _____ Elevation _____

Clearance Head (CH) at critical point: _____ ft x .433 = _____ psi

Losses in plumbing at pump (PL): _____ ft

HGL at CP = CP elevation + CH ft = _____ + _____ = _____

HGL_{pump} = HGL from profile + PL = _____ + _____ = _____

Total Dynamic Head (TDH) = HGL_{pump} - WS = _____ - _____ = _____ ft

Pump HP _____ HP (Select from pump curves)