UNCERTAINTY DETERMINATION FORM

Location

Meter ID: _____ Nearest City: _____

Meter Elevation: _____ feet msl

Primary Device

Pipe ID: _____ inches

Type: ❒ Orifice Orifice Bore: _____ inches

❒ Wafer V-Cone Beta Ratio: _____ Cd: _____

Static Pressure: ❒ Upstream ❒ Downstream

Secondary Device

❒ Self-contained Make/Model: _____

❒ Component:

DP device Make/Model: _____

SP device Make/Model: _____

Temp Device Make/Model: _____

Flow Computer Make/Model: _____

	DP (inches)	**SP ❒ psia ❒ psig**	**Temp (°F)**
Upper Range Limit (URL)			
Calibrated Span			

Is there an RTD, and is it used in the flow calculations? ❒ Yes ❒ No

Location: ❒ Outside, in direct sunlight ❒ Outside, shaded from sunlight

❒ Inside unheated meter house ❒ Inside heated meter house

❒ Inside a temperature-controlled building

Calibration

Calibration Frequency: ❒ monthly ❒ every 2 months ❒ quarterly

❒ every 4 months ❒ semi-annual ❒ annual

If SP is absolute pressure, is a barometer used to calibrate the "zero"?

❒ Yes ❒ No, fixed atmospheric pressure is: _____ psi

Was the DP re-zeroed with full static pressure applied? ❒ Yes ❒ No

Calibration Equipment:

	DP	SP
Make/Model		
Range		
Accuracy		

Other Information

Flowing Temperature: _____ ºF

If SP is gauge, what value is used for the fixed atmospheric pressure? _____ psi

Relative Density: _____ % CO2: _____ %N2: _____

If there is no RTD, or the RTD is not used in the flow calculations, what is the fixed value for flowing temperature? _____ ºF

Uncertainty Determination

DP = _____ inches SP = _____❒psia ❒psig

Flow rate = _____ Mcf/day

Uncertainty (from calculator): _____ %

Operating Limits

Reynolds number (non-orifice only): _____ ❒ Within ❒ Outside

DP/SP : _____ ❒ Within ❒ Outside

Inspector: _____ Date: _____