Appendix B. Field sheet used for data collection at multilevel monitoring boreholes, Idaho National Laboratory, Idaho.

United States Department of the Interior
U.S. Geological Survey

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Multilevel Monitoring System

Field Data and Calculation Sheet

Local name: _____
BC altitude [Z]: _____ ft amsl
Stick-up: _____ ft
Probe number: _____
Probe range: _____ psia
Barometer number: _____
Well casing type: _____

Site number: _____
Date (m/d/y): _____
Start/Stop time: _____
Weather conditions: _____
Operators initials: _____
Comments: _____

Ambient Readings

Fluid pressure (probe)
Start: _____ psia Finish: _____ psia
Fluid temperature (probe)
Start: _____ ˚C Finish: _____ ˚C
Atmospheric pressure (barometer)
Start: _____ psia Finish: _____ psia

Port number	Depth to top of port coupling from log (0.1 ft bls)	Depth to pressure transducer sensor [D] (0.1 ft bls)	Atmospheric pressure [P_{Atm}] (0.001 psia)	Fluid pressure readings (0.01 psia)			Probe temperature [T] (0.1 °C)	Time H:M:S (h:m)	Pressure head outside casing [Ψ_2] (0.01 ft)	Hydraulic head [H] (0.1 ft amsl)	Comments
				Inside casing [P_1]	Outside casing [P_2]	Inside casing [P_1]					
											Repeat measurement
											Repeat measurement

Notes: BC: brass cap at land surface
Stick-up: distance from BC to the top of well casing
psia: pounds per square inch absolute
˚C: degree Celcius
ft bls: feet below land surface or BC
ft amsl: feet above mean sea level

$\Psi_2 = ((P_2 - P_{Atm}) / \gamma_w) * 144$

$H = Z - D + \Psi_2$

$\gamma_w = 62.42796 * (1 - (((T + 288.9414) / (508929.2 * (T + 68.12963))) * (T - 3.9863)^2))$