



Pumping Test Report

Stamp company name/address/
phone/fax/e-mail here.

Ministry Well ID Plate Number: _____

Ministry Well Tag Number: _____

Red lettering indicates minimum mandatory information. Requirements for flow reports are found in Part 5 of the *Water Act*, available at: http://www.env.gov.bc.ca/wsd/plan_protect_sustain/groundwater/index.html#leg.

Owner name: _____

Mailing address: _____ Town _____ Prov. _____ Postal Code _____

Well Location: Address: Street no. _____ Street name _____ Town _____

or **Legal description:** Lot _____ Plan _____ D.L. _____ Block _____ Sec. _____ Twp. _____ Rg. _____ Land District _____

or **PID:** _____ and **Description of well location (attach sketch, if nec.):** _____

NAD 83: Zone: _____ and **UTM Easting:** _____ m or **Latitude:** deg: _____ min: _____ sec: _____

(Datum must be set to NAD83) **UTM Northing:** _____ m **Longitude:** deg: _____ min: _____ sec: _____

Ground elevation: _____ (ft) asl Method: GPS Differential GPS Level survey Other (specify): _____

Class of well (see Table 1): _____ **Sub-class of well:** _____

Water supply wells: indicate intended water use: private domestic water supply system irrigation commercial or industrial other (specify): _____

Pumping Test Summary Information

Type of well pump:

- Submersible Jet (end-suction)
- Vertical turbine Other (specify) _____

Depth of pump setting: _____ ft (btoc)

Type of Pumping Test:

- Constant Rate Step Test Other (specify) _____

Method of water level measurement:

- Water level sounder Datalogger Air line
- Wetted tape Other (specify) _____

Reference datum for water level measurements:

- Top of casing Ground level Other (specify) _____

Final stick-up: _____ in

Method of flow measurement:

- Flow meter Orifice 45-gallon drum 5-gallon pail
- Other (specify) _____

Start date of pumping test: _____ (YYYY/MM/DD)

Static water level: _____ ft

Duration of pumping: _____ hrs **Duration of recovery:** _____ hrs

Well yield estimated from pumping test: _____ USgpm

Available drawdown: _____ ft Specific Capacity: _____ USgpm/ft

Method of estimating long-term well yield from pumping test:

Pumping test data sheet(s) attached:

Person conducting the pumping test (please print):

Name (first, last): _____

Company name: _____

Registration number of person responsible*: _____

Consultant (if applicable; please print): _____

* Fill in the registration of the Qualified Well Driller/Pump Installer. If the test was conducted by a driller/pump installer who is not registered, the Qualified Well Driller/Pump Installer who is directly supervising the work should fill in their registration number.

Declaration:

The pumping test has been done in accordance with the requirements in the *Water Act* and the Ground Water Protection Regulation.

PLEASE NOTE: The data recorded in this pumping test report reflect conditions at the time of the test. Water levels, well performance, estimated long-term well yield and water quality are not guaranteed as they are influenced by a number of factors, including natural variability, human activities, and condition of the works, which may change over time.

Signature of Person Responsible:

X _____

Note: Well reports submitted to the Deputy Comptroller, or retained by the person responsible, as required under the *Water Act* shall be considered part of Provincial Government records and are subject to the *Freedom of Information and Protection of Privacy Act*.

Return Completed Report and Data Sheets to:

Deputy Comptroller Ministry of Environment, Water Stewardship Division
Watershed & Aquifer Science Section
PO Box 9362 Stn Prov Govt Victoria BC
V8W 9M2

Questions? If you have any questions about the *Water Act* or this report form, please contact your local Ministry of Environment office.

white: Customer copy
canary: Driller copy
pink: Ministry copy

Table 1: Classes and Sub-Classes:

Class	Sub-class (if applicable)
Water supply	Domestic; Non-domestic
Monitoring	Temporary; Permanent
Recharge or injection	
Dewatering	Temporary; Permanent
Remediation	Temporary; Permanent
Geotechnical	Borehole; Test pit; Closed loop geothermal

Table 2: Definitions of Abbreviations

aslabove sea level	lgpmImperial gallons per minute	PIDParcel Identifier
btocbelow top of casing	ininches	Rg.Range
degdegrees	l/slitres per second	sec.seconds
D.L.District Lot	mmetres	Sec.Section
ftfeet	mmminute	Twp.Township
hhhour	minminutes	USgpm.....US gallons per minute
hrshours	no.number	UTMUniversal Transverse Mercator Grid

Table 3: Recommended Minimum Frequency for Water Level Measurements for Pumping Tests

The recommended minimum frequency for water level measurements during pumping and during recovery is shown below:

Well being pumped	Observation well
<p><u>During pumping:</u></p> <ul style="list-style-type: none"> • Every minute for the first 10 minutes* • Every 2 minutes from 10 minutes to 20 minutes* • Every 5 minutes from 20 minutes to 50 minutes* • Every 10 minutes from 50 minutes to 100 minutes* • Every 20 minutes from 100 minutes to 200 minutes* • Every 50 minutes from 200 minutes to 500 minutes* • Every 100 minutes from 500 minutes to 1000 minutes* • Every 200 minutes from 1000 minutes to 2000* • Every 500 minutes from 2000 minutes to 5000 minutes* • Every 24 hours from 5000 minutes onward* • Final water level measurement just prior to end of pumping 	<p><u>During pumping:</u></p> <ul style="list-style-type: none"> • Every 10 minutes for the first 100 minutes* • Every 50 minutes from 100 minutes to 500 minutes* • Every 100 minutes from 500 minutes to 1000 minutes* • Every 500 minutes from 1000 minutes to 5000 minutes* • Every 24 hours from 5000 minutes onward* • Final water level measurement just prior to end of pumping
<p><u>During recovery:</u></p> <ul style="list-style-type: none"> • Every minute for the first 10 minutes after end of pumping** • Every 2 minutes from 10 minutes to 20 minutes after end of pumping** • Every 5 minutes from 20 minutes to 50 minutes after end of pumping** • Every 10 minutes from 50 minutes to 100 minutes after end of pumping** • Every 20 minutes from 100 minutes to 200 minutes after end of pumping** • Every 50 minutes from 200 minutes to 500 minutes after end of pumping** • Every 100 minutes from 500 minutes to 1000 minutes after end of pumping** • Every 200 minutes from 1000 minutes to 2000 minutes after end of pumping** • Every 500 minutes from 2000 minutes to 5000 minutes after end of pumping** • Every 24 hours from 5000 minutes onward** 	<p><u>During recovery:</u></p> <ul style="list-style-type: none"> • Every 10 minutes for the first 100 minutes after end of pumping** • Every 50 minutes from 100 minutes to 500 minutes after end of pumping** • Every 100 minutes from 500 minutes to 1000 minutes after end of pumping** • Every 500 minutes from 1000 minutes to 5000 minutes after end of pumping** • Every 24 hours from 5000 minutes onward**

* Time since the start of pumping or time immediately after a step change in pumping

** Not required if time is beyond the specified duration of recovery measurements

Duration of Water Level Measurements during Recovery

Duration of pumping or when 90% of recovery is reached.

