



- Well Construction
- Well Alteration
- Original well construction report attached

Stamp company name/address/
phone/fax/email here, if desired.

Ministry Well ID Plate Number: _____

Where ID Plate is attached: _____

Ministry Well Tag Number: _____

See reverse for notes & definitions of abbreviations.

Well Class: Class of well (see note 2): _____ Sub-class of well: _____

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

Start date of work (YYYY/MM/DD): _____ End date of work (YYYY/MM/DD): _____

Person Responsible for Work (print clearly): Name (first, last) (see note 3): _____

Person who completed the work: _____ Registration no. (see note 4): _____

Consultant (if applicable; name and company): _____

I understand and agree that:

- the well construction/alteration/decommission report form(s) are being filed as government water records in accordance with provisions of the Water Sustainability Act (WSA) and its regulations, including the Groundwater Protection Regulation;
- the well construction/alteration/decommission report form(s), including any written word(s) and comments, related dataset and other information included within the report(s), will be disclosed publicly by the government for use by the public as government water records concerning the well and the aquifer that are the subject of the report(s);
- the report form(s), including any written word(s) and comments, related dataset and other information included within the report(s), will be made available to the public by the government in accordance with the Open Government License-British Columbia (OGL-BC) which grants the public a worldwide, royalty-free, perpetual, non-exclusive license to make use of the reports, including for commercial purposes, but subject to the terms described in the OGL-BC.

Signature of Person Responsible _____

Well Owner Name: _____

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

Well Location (see note 6): 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.): _____

Geographic Coordinates:

NAD 83: Zone: _____ UTM Easting: _____ Latitude (see note 8): _____
(see note 7) UTM Northing: _____ Longitude: _____

Method of drilling: air rotary dual rotary cable tool mud rotary auger driving jetting other (specify): _____

Orientation of well: vertical horizontal Ground elevation: _____ ft (asl) Method (see note 9): _____

Lithologic description (see notes 10-15)

From ft (bgl)	To ft (bgl)	Material Description	Moisture				Colour										Hardness						Observations (e.g. other geological materials (e.g. boulder), est. water bearing flow (USgpm))				
			Dry	Damp	Moist	Wet	Black	Blue	Brown	Green	Grey	Vari-coloured	Red	Tan	White	Dense	Hard	Loose	Medium	Soft	Stiff	Very Hard		Very Soft			

Casing Details:

Type: Surface Production Open Hole Steel Removed

From ft (bgl)	To ft (bgl)	Dia in	Casing Material/Open Hole (see note 16)	Wall Thickness in	Drive Shoe

Surface seal: Type: _____ Depth: _____ ft

Thickness: _____ in

Method of installation: Poured Pumped

Backfill: Type: _____ Depth: _____ ft

Liner: PVC Other (specify): _____

Diameter: _____ in Thickness: _____ in

From: _____ ft (bgl) To: _____ ft

Perforated pipe: From: _____ ft To: _____ ft

Screen Details:

Intake: Screen Open bottom Uncased hole

Screen type: Telescope Pipe size

Screen material: Stainless steel Plastic Other (specify): _____

Screen opening: Continuous slot Slotted Perforated pipe

Screen bottom: Bail Plug Plate Other (specify): _____

Screen Information: _____

From ft (bgl)	To ft (bgl)	Dia in	Type (see note 17)	Slot Size

Filter pack: From: _____ ft To: _____ ft Thickness: _____ in

Filter Pack Material: Very coarse sand Very fine gravel

Fine gravel Other: _____

Filter Pack Material Size: 1020 sand 240 sand 1.0-2.0mm

2.0-4.0mm 4.0-8.0mm Pea gravel Other: _____

Well Development Method: Air lifting Bailing Jetting Pumping Surging Other (specify): _____

Development Hours: _____ hrs Development Notes: _____

Well Yield Estimation Method: Pumping Air lifting Bailing Other (specify): _____

Yield Estimation Rate: _____ USgpm Yield Estimation Duration: _____ hrs SWL before test: _____ ft (btoc)

Drawdown: _____ ft (btoc) Hydro-fracturing: Yes No Increase in Well Yield due to Hydro-fracturing: _____ USgpm

Water Quality: Water sample collected: Yes No

Date (YYYY/MM/DD) _____ Water quality odour: _____

Characteristics: Clear Cloudy Fresh Gas Salty

Sediment Other (specify): _____

Colour: Black Black flecks Brown Clear/none Grey

Slight colour/milky Orange Other (specify): _____

Comments: _____

Final well completion data:

Total depth drilled: _____ ft Finished well depth: _____ ft (bgl)

Final casing stick up: _____ in Depth to bedrock: _____ ft (bgl)

SWL: _____ ft (btoc) Estimated well yield: _____ USgpm

Artesian flow: _____ USgpm, or Artesian pressure: _____ ft

Type of well cap: _____ Well disinfected: Yes No

Confirmation/alternative specs. attached

PLEASE NOTE: The information recorded in this well report describes the works and hydrogeologic conditions at the time of construction or alteration, as the case may be. Well yield, well performance 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.

General

1. Requirements for well construction are found in Part 3, Division 3 of the Water Sustainability Act and Part 10 and Schedule 3 of the Ground Water Protection Regulation. The Act and regulation are available at:
http://www.bclaws.ca/civix/document/id/complete/statreg/39_2016

2. The classes and sub-classes of wells are shown below:

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

Person Responsible for Work

3. Fill in the name of the registered driller who constructed the well.

If the person responsible is not the same person who completed the work, fill in the name of the person who completed the work.

Registration Number of Driller Responsible

4. Fill in the registration number on the Well Driller identification card. If the work was completed by a driller who is not registered as a Well Driller, the Well Driller who is directly supervising the work should fill in their registration number on their Well Driller identification card. The Well Driller signs the form.

5. Well reports submitted to the Deputy Comptroller, or retained by the person responsible, as required under the Water Sustainability Act and the Ground Water Protection Regulation, shall be considered part of the Provincial Government records and is subject to the Freedom of Information and Protection of Privacy Act.

Well Location

6. A minimum of one of the well location descriptors must be completed (e.g., Address OR Legal OR PID) plus the description of the well location.

7. The current Ministry standard datum for mapping and geodetic use is the North American Datum of 1983 (NAD 83). To determine GPS coordinates using a Global Positioning System (GPS), set the datum to NAD 83.

8. For latitude and longitude coordinates, provide coordinates either in degree, minutes and seconds (e.g., 50° 2' 21.037") or decimal degrees (e.g., 50.039175").

9. For the method of determining ground elevation, enter: GPS, differential GPS, level, altimeter, 1:50,000 map, 1:20,000 map, 1:10,000 map or 1:5,000 map.

How to Fill Out the Lithologic Description Table

10. Each row in the lithologic description table represents either a depth interval or depth in the well.

11. A row could represent a depth interval (e.g., from 0 feet to 12 feet), such as for a geologic stratum or a specific depth (e.g., 120 feet), such as for a depth location of a water-bearing fracture.

12. For each depth interval, enter the description of the geological materials encountered during drilling in the column "Material Description."

Material descriptions should be chosen from the following recommended list of materials:

Surficial materials (approximate range of particle size)	Bedrock materials
boulders (greater than 10 inches)	conglomerate
cobbles (2.5 inches to 10 inches)	sandstone
gravel (80 slot to 2.5 inches)	shale
coarse sand (25 slot to 80 slot)	siltstone
medium sand (10 slot to 25 slot)	limestone
fine sand (2 slot to 10 slot)	crystalline granite
silt (less than 2 slot)	basalt
clay (much less than 2 slot)	volcanic
till (variable particle size)	bedrock
organics (e.g., top soil, wood, peat)	

13. In describing the material, list the material in order from the greatest to least and indicate what materials occur in trace (less than 5%) amounts. The word "and" means both materials occur in approximately equal amounts (e.g., "gravel and coarse sand, trace silt").

14. For each depth interval, indicate with a check mark (✓) or X the moisture, colour, and hardness. Only make one selection for each class.

15. If a water-bearing fracture is encountered, the depth of the fracture the estimated flow of water in the fracture should be recorded in the "Observations" column.

Casing Details

16. "Casing Material / Open hole" includes cement, plastic, steel, other, open hole, or casing pulled. If a surface seal is required, details of the casing used to create the annular space for the surface seal can be entered in the first row of the table. Enter the depth interval, casing diameter, and record "casing pulled" under "Casing Material / Open hole".

Screen Details

17. "Type" includes riser pipe, K-packer, screen, screen blank, or tail pipe.

Filter Details

18.

Filter Pack Material:	Filter Pack Material Size:
Very coarse sand	1020 sand
Very fine sand	240 sand
Fine gravel	1.0-2.0 m
Other: _____	2.0-40 m
	4.0-8.0 m
	Other: _____
	Pea gravel

Definitions of Abbreviations

asl	above sea level
bgl	below ground level
btoc	below top of casing
Dia	Diameter
D.L	District Lot
ft.	feet
hrs	hours
in	inches
NAD 83	North American Datum (1983)
PID	Parcel Identifier
Rg	Range
Sec	Section
SWL	static water level
Twp	Township
USgpm	US gallons per minute
UTM	Universal Transverse Mercator Grid

This information is collected by the Ministry of Water, Land and Resource Stewardship under section 26 (c) of the Freedom of Information and Protection of Privacy Act and section 117 (1) of the Water Sustainability Act (WSA).

The groundwater information (e.g. any notes and comments that are included in well reports filed under WSA and its regulations) will be made available to the public by the government in accordance with the Open Government License-British Columbia (OGL-BC) which grants the public a worldwide, royalty-free, perpetual, non-exclusive license to make use of the reports, including for commercial purposes, but subject to the terms described in the OGL-BC:
<https://www2.gov.bc.ca/gov/content/data/open-data/open-government-licence-bc>.

Information, including personal information, will be used to determine well location and confirm that the construction, alteration, or decommission of a well has been done in accordance with the WSA and Groundwater Protection Regulation (GWPR). Well reports submitted to the Comptroller, or retained by the person responsible, as required under section 57 of the WSA and Part 10 of the GWPR, shall be considered part of the Provincial Government records. Documents or images included as part of submission and that contain personal information not covered under this legislation will be deleted.

Should you have any questions about the collection or use of this information, please contact the Groundwater Data Specialist, phone: 236-478-0448, email: groundwater@gov.bc.ca.

Return completed forms to:
 Groundwater Data Specialist
 Water Protection & Sustainability Branch
 Ministry of Water Protection & Resource Stewardship
 PO Box 9362 Stn Prov Govt
 Victoria BC V8W 9M2
 Email: groundwater@gov.bc.ca