



Government  
Department of Environment  
Water Resources Section  
Yukon Water Well Registry  
Box 2703 Whitehorse, Yukon, Y1A 2C6

# WATER WELL DRILLERS FORM

Well Record Page 1 of 2

Well ID:   
To be assigned by Dept. Of Environment

## INSTRUCTIONS FOR COMPLETING THE FORM

1. Additional information is provided at the bottom of this form on page 2.
2. Question can be directed to Water Resources at 867 667-3171.

3. All well construction measurements shall be reported to 0.1 m or 0.3 ft.
4. Please print clearly in blue or black ink.
5. Completion and submission of this form is the responsibility of the drilling contractor.
6. Please specify metric or imperial units for all measurements.

## WELL LOCATION AND OWNER'S INFORMATION

A1 Well Name:  Optional (i.e. City Well No. 2)

First Name

Last Name

Company / Department / Organization

A2 Drilled For:

A3 Street Address of Well Location: Lot 1018 - i Shallow Bay Rd

A4 Town / Village / Area / Lot #: Yukon

A5 UTM Coordinates (using handheld GPS): NAD 8 3 Zone 08

493284 Easting 675021 Northing

A6 Elevation of Top of Casing:  m / ft ASL

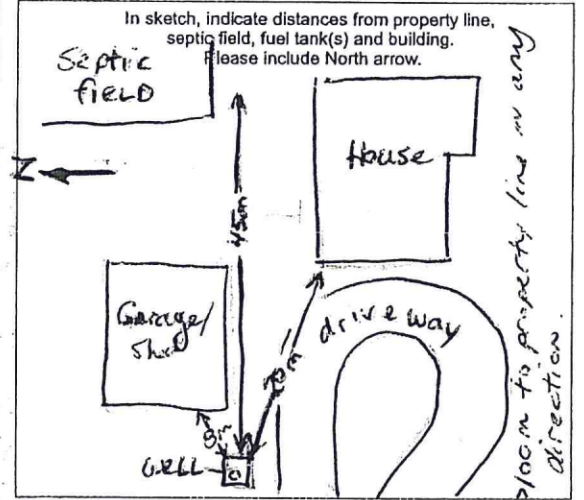
A7 Accuracy of GPS: 7 +/- (m) / ft

### A8 Purpose of Wells

- Domestic  Test Well  Irrigation  Environmental (Quality)  
 Commercial  Municipal  Observation - Water Level  Other (please identify use)  
 Industrial  Agricultural  Public/Recreational

### Sketch of Well Location

In sketch, indicate distances from property line, septic field, fuel tank(s) and building. Please include North arrow.



## LOG OF OVERBURDEN AND BEDROCK MATERIALS (All depths are below ground surface, circle appropriate units, use descriptors provided)

EXAMPLE ONLY →

(brown, grey, green, black, redish, beige, olive, yellowish)

CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK

\*trace\* <10% (i.e. SILT trace gravel)  
 \*some\* 10-20% (i.e. SAND some gravel)  
 \*silty / sandy / gravelly\* 20-30% (i.e. silty SAND)  
 \*and sand\* or \*and gravel\* 35-50%

MOISTURE: dry / moist / saturated (wet)  
 HARDNESS: soft / hard / very hard

Depth ( m / ft )		B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
B2 From	B3 To				
0	30	Brown	Sand	Clay	Wet
30	44	Grey	Sand		Wet
44	49	Grey	Sand	Clay	Wet
49	65	Grey	Clay		Wet
65	117	Grey	Clay		Slimey
117	165	Greenish Grey	Clay		Slimey
165	212	Grey	Clay		Hard
212	237	Grey	Clay	Gravel	Water
237	243	Clay			Hard
243	260	Gravel	Glacial Till		Water
260	265	Grey	SILTY SAND		Water

B8 Permafrost Encountered:  NO  YES If yes, Indicated depth ( m / ft ): from:  to:

## WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 241005  
D M Y Y Y

Example:  
31 01 2005

C1 Drilling Method  Air Rotary (Conventional)  Dug  Other (please specify)  
 Reverse Air Rotary  Cable Tool  
 Mud Rotary  Auger (Hollow / Solid Stem)

C2 Well Type: In what geological material is the water producing zone located?  
 OVERBURDEN  BEDROCK

Casing (depth below ground surface, please circle appropriate units)

C3 Outside Diameter 6.625 (cm / in)  
 C4 Casing Material  Steel  Plastic  Other  
 C5 Casing Wall Thickness 7.88 (cm / in)  
 C6 Casing Depth to: 260 (m / ft)  
 C7 Other Comments Regarding Casing:

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type: Clay (i.e. Bentonite)  
 C9 Diameter of Seal: 10 (mm / in)  
 C10 Seal Depth from: 0 (m / ft)  
 C11 Seal Depth to: 20 (m / ft)  
 C12 Volume Placed: \_\_\_\_\_ (m<sup>3</sup> / ft<sup>3</sup>)

Gravel Pack (depth below ground surface, please circle appropriate units)

C13 Gravel Pack:  NO If yes, indicated depth ( m / ft ): \_\_\_\_\_  
 YES from: \_\_\_\_\_ to: \_\_\_\_\_ Indicate diameter of material: \_\_\_\_\_ (mm / inches) Material type: \_\_\_\_\_ (i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside Diameter: 5 (mm / in)  
 C15 Screen Material:  Stainless Steel  Steel  Plastic  N/A  Other: \_\_\_\_\_  
 C16 Screen Type:  Continuous Wire Wrap  Louver Screen  Perforated  Slotted  Open Hole  
 C17 Depth from: \_\_\_\_\_ (m / ft) C18 Depth to: \_\_\_\_\_ (m / ft) Slot Size / Perforation Dia: \_\_\_\_\_ Thou. / mm / inches  
 Screen 1: \_\_\_\_\_ (m / ft) \_\_\_\_\_ (m / ft) \_\_\_\_\_ Thou. / mm / inches  
 Screen 2: \_\_\_\_\_ (m / ft) \_\_\_\_\_ (m / ft) \_\_\_\_\_ Thou. / mm / inches  
 Screen 3: \_\_\_\_\_ (m / ft) \_\_\_\_\_ (m / ft) \_\_\_\_\_ Thou. / mm / inches  
 C19 Screen Comments: 10 slot

WELL DEVELOPMENT AND STATUS

D1 Well Developed by:  Surge Block  Water Jetting  Air Jetting / Air Lifting  Bailing  Pumping  Other: \_\_\_\_\_  
 D2 Well Head Completion:  Well House  Pitless Adaptor Depth of adaptor: \_\_\_\_\_ (m / ft)  Well Pit (NOT PERMITTED)  None (well not completed)  
 D3 Well Head Stick-up (above ground surface): 2 (m / ft) (Use negative if below grade)  
 D4 Static Water Level (below top of casing): 12.6 (m / ft) (Use negative if below grade)  
 D5 Well Yield Estimate: 5 (Lps / gpm)  
 D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout?  YES  NO If YES, indicate Date: \_\_\_\_\_  
 D8 Method Used to Estimate Well Yield:  Air Lifting  Bailing  Pumping Test (If test conducted, complete Pumping Test Record)

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: 30/10/05  
 Static Water Level (SWL): 6 (m / ft)  
 Pump Intake Set at: 250 (m / ft)  
 Duration of pumping: \_\_\_\_\_ hrs \_\_\_\_\_ min 4 Months  
 Final Water Level (FWL) at end of Pumping Test: 260 (m / ft)

RECOMMENDATIONS

Recomm. Pump Depth: 250 (m / ft)  
 Recomm. Pumping Rate: 3 (Lps / gpm)  
 If flowing, provide rate: 0 (Lps / gpm)

F1 Well Water Level Drawdown/Recovery DATA

Time (min)	Drawdown		Recovery	
	Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)			0 (FWL)	
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

G1 GROUNDWATER QUALITY

Field Data  
 Date Measurements Taken: 21/10/06  
 Electrical Conductivity: \_\_\_\_\_ uS  
 pH: 8.1  
 Temperature: 3 °C

Turbidity/Sand Content  
 Clear  
 Slightly turbid/cloudy  
 Moderately turbid/cloudy  
 Turbid/cloudy  
 Trace sand present  
 No sand present

Well Disinfection

Was the well disinfected upon completion of the pump installation?  YES  NO  
 Briefly describe method of well disinfection:  
Chlorine ~ 8 litres

Bacteria Testing

Was a sample taken?  YES  NO  
 Date Sample Taken: 21/10/06  
 If yes, indicate the name of the laboratory: Yukon Health

Chemical Analysis of Water

Was a sample taken?  YES  NO  
 Date Sample Taken: \_\_\_\_\_  
 If yes, indicate the name of the laboratory: \_\_\_\_\_

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: 13634 Yukon Inc  
 H2 Name of Driller(s): \_\_\_\_\_  
 H3 Address of Driller: \_\_\_\_\_  
 Signature of Primary Driller: \_\_\_\_\_  
 Date Submitted to Dept. Of Environment: 16/10/06

CONSULTANT (If applicable)

I-1 Company Name: \_\_\_\_\_  
 I-2 Company Address: \_\_\_\_\_  
 I-3 Report Reference: \_\_\_\_\_  
 I-4 Report Date: \_\_\_\_\_

ADDITIONAL INSTRUCTIONS

Upon completing this form

Water Resources Section (V-310), Department

Please feel free to contact us at:

Phone: (867) 887-2474; Toll free: 1-800-393-1111