



Yukon 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: XXXXXXXXXX

A3 Street Address of Well Location: LOT 1365 IBEX VALLEY

A4 Town / Village / Area / Lot #: WHITEHORSE Y.T.

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

Easting  Northing

A6 Elevation of Top of Casing: 77' 0" ± / ft ASL

A7 Accuracy of GPS:  +/- 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)  
brown

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

"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

trace gravel    some silt

soft and saturated

Depth ( m / ft )		B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
B2 From	B3 To				
0	12	Brown	Sand	clay	
12	30	Brown	Sand		
30	70	grey	glacial fill	+ water	
70	77		gravel	+ water	

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

## WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 1 3 1 0 2 0 0 5 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

C3 Outside Diameter 10.625 (cm / in)  
 C4 Casing Material  Steel     Plastic     Other    
 C5 Casing Wall Thickness 0.188 (cm / in)  
 C6 Casing Depth to: 77 ± / ft  
 C7 Other Comments Regarding Casing:



**WELL CONSTRUCTION** (Continued from Page 1)

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

C8 Seal Material Type: Clay (Le. Bentonite)  
 C9 Diameter of Seal: 10 (cm / 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: \_\_\_\_\_ (cm / 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: Screen 1: 77 (m / ft), Screen 2: \_\_\_\_\_ (m / ft), Screen 3: \_\_\_\_\_ (m / ft)  
 C18 Depth to: Screen 1: 81 (m / ft), Screen 2: \_\_\_\_\_ (m / ft), Screen 3: \_\_\_\_\_ (m / ft)  
 C19 Screen Comments: \_\_\_\_\_

**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): 45 (m / ft) (Use negative if below grade)  
 D5 Well Yield Estimate: 15 (lps / gpm)  
 D6 Final Well Status:  Water Supply (In use),  Stand-by (Back-up),  Observation,  Not In-use,  Deepened,  Other: \_\_\_\_\_,  Abandoned,  Poor Quality,  Insufficient Yield  
 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: 05/07/06  
 Static Water Level (SWL): 45 (m / ft)  
 Pump Intake Set at: \_\_\_\_\_ (m / ft)  
 Duration of pumping: 2 hrs, \_\_\_\_\_ min.  
 Final Water Level (FWL) at end of Pumping Test: 25 (m / ft)

**RECOMMENDATIONS**

Recomm. Pump Depth: 60 (m / ft)  
 Recomm. Pumping Rate: 10 (Lps / gpm)  
 If flowing, provide rate: \_\_\_\_\_ (Lps / gpm)

**E2 Well Water Level Drawdown/Recovery DATA**

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: \_\_\_\_\_  
 Electrical Conductivity: \_\_\_\_\_ uS  
 pH: \_\_\_\_\_  
 Temperature: \_\_\_\_\_ °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: \_\_\_\_\_

**Bacteria Testing**

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

**Chemical Analysis of Water**

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

**WELL CONTRACTOR**

H1: \_\_\_\_\_  
 H2: \_\_\_\_\_  
 H3: \_\_\_\_\_  
 Date Submitted to Dept. Of Environment: \_\_\_\_\_

**CONSULTANT (If applicable)**

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

**INSTRUCTIONS**

Water Resources Section (V-310), Department of Environment, Government of Yukon, Box 2703, Whitehorse, Yukon, Canada Y1A 2G6

Please feel free to contact us at:  
 Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 3171  
 Fax: (867) 667-3195 E-mail: WaterResources@gov.yk.ca