



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

204140208  
**COPY**

### 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:

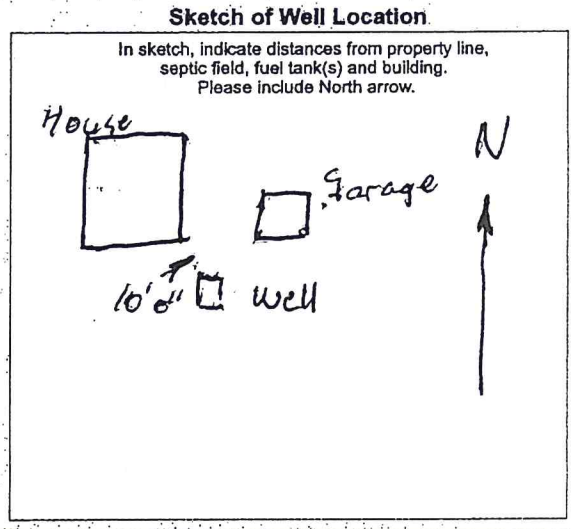
A4 Town / Village / Area / Lot #:

A5 UTM Coordinates (using handheld GPS): NAD   Zone

A6 Elevation of Top of Casing:  m / 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:



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

EXAMPLE ONLY		(brown, grey, green, black, reddish, 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	
		brown	SAND	trace gravel some silt	soft and saturated	
Depth (m / ft)	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
	0	17	Brown	Sand		
	17	21	Brown	clay		
	21	30	grey	clay		
	30	35	grey	sand		
	35	49	grey			
	49	61	Green		with casing	Glacial Fill
	61	241	Black	Quartzite		Bed Rock
	241	301		Shale		

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed:         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:  (cm / in)

C4 Casing Material:  Steel  Plastic  Other

C5 Casing Wall Thickness:  (cm / in)

C6 Casing Depth to:  (m / 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: Rock Rock (i.e. Bentonite)  
 C9 Diameter of Seal: \_\_\_\_\_ (cm / in)  
 C10 Seal Depth from: 49' (m / ft)

C11 Seal Depth to: \_\_\_\_\_ (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: \_\_\_\_\_ (m / ft)  
 C18 Depth to: \_\_\_\_\_ (m / ft)  
 Slot Size / Perforation Dia: \_\_\_\_\_ Thou. / mm / inches  
 Screen 1: \_\_\_\_\_ (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)

18" (m / ft)  
 (Use negative if below grade)

D4 Static Water Level (below top of casing)

15' 0" (m / ft)  
 (Use negative if below grade)

D5 Well Yield Estimate

4 (Lps / gpm)

D6 Final Well Status

- Water Supply (in use)
- Stand by (Back-up)
- Observation
- Not in use
- Deepened
- Other: \_\_\_\_\_
- Abandoned if well was abandoned, please give reason:
- Dry
- 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: 20052005  
 Static Water Level (SWL): \_\_\_\_\_ (m / ft)  
 Pump Intake Set at: 295' (m / ft)  
 Duration of pumping: \_\_\_\_\_ hrs \_\_\_\_\_ min  
 Final Water Level (FWL) at end of Pumping Test: \_\_\_\_\_ (m / ft)

**RECOMMENDATIONS**

Recomm. Pump Depth: \_\_\_\_\_ (m / ft)  
 Recomm. Pumping Rate: \_\_\_\_\_ (Lps / gpm)  
 If flowing, provide rate: 4 GPM (Lps / gpm)

**F1 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: 31052005  
 Electrical Conductivity: \_\_\_\_\_ us  
 pH: 7.5  
 Temperature: 3.5 °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:

1/2 Gal Bleach

Bacteria Testing

Was a sample taken?  YES  NO  
 Date Sample Taken: \_\_\_\_\_

If yes, indicate the name of the laboratory:

Whse Hospital

Chemical Analysis of Water

Was a sample taken?  YES  NO  
 Date Sample Taken: \_\_\_\_\_

If yes, indicate the name of the laboratory:

OPETWA

**WELL CONTRACTOR**

H1 Name of Contractor / Drilling Company: 13634 Yukon  
 H2 Name of Driller(s): Rock Rock  
 H3 Address of Driller: Box 10066 Whitehorse YT  
 Signature of Primary Driller: \_\_\_\_\_  
 Date Submitted to Dept. Of Environment: 01112005

**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, please mail or fax it to:

Water Resources Section (V-310), Department of Environment, Government of Yukon  
 Box 2703, Whitehorse, Yukon, Canada Y1A 2C6

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: Water.Resources@gov.yk.ca