



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

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

- All well construction measurements shall be reported to 0.1 m or 0.3 ft.
- Please print clearly in blue or black ink.
- Completion and submission of this form is the responsibility of the drilling contractor.
- 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)

A2 Drilled For:  Company / Department / Organization

A3 Street Address of Well Location:  Judas Creek

A4 Town / Village / Area / Lot #:  Lot 38

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

Easting  Northing

A6 Elevation of Top of Casing:  m / ft ASL

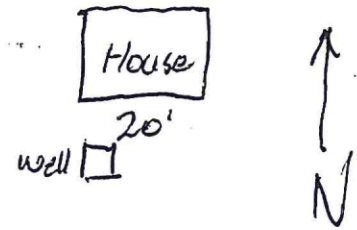
A7 Accuracy of GPS:  +/- m / ft

### A8 Purpose of Wells

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

### 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'	28'	Brown	Sand + Gravel		Dry
28'	34"	Grey	Coarse Gravel		Dry
34'	34'	Grey	Sand		Dry
34'	54'	Grey	fine Sand		Wet
54'	70'	Grey	fine Sand		Dry
70'	75'	Grey	Coarse Sand		Dry
75'	80'	Grey	Clay		Dry
80'	91'	Grey	Clay		Dry
91'	163'	Grey	Coarse Sand	Sand	Water
163'	163.6'	Grey	Coarse Gravel + Water		Water

38 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  Reverse Air Rotary  Cable Tool  Mud Rotary  Auger (Hollow / Solid Stem)  Other (please specify)

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  2.50 (cm / in)

C6 Casing Depth to:  163.6 (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:** None (i.e. Bentonite)  
**C9 Diameter of Seal:** \_\_\_\_\_ (cm / in)  
**C10 Seal Depth from:** \_\_\_\_\_ (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)  
**Screen 1:** \_\_\_\_\_ (m / ft) Slot Size / Perforation Dia: \_\_\_\_\_ Thou. / mm / inches  
**Screen 2:** \_\_\_\_\_ (m / ft) Slot Size / Perforation Dia: \_\_\_\_\_ Thou. / mm / inches  
**Screen 3:** \_\_\_\_\_ (m / ft) Slot Size / Perforation Dia: \_\_\_\_\_ Thou. / mm / inches  
**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): 16" (m / ft) (Use negative if below grade)  
**D4 Static Water Level** (below top of casing): 63' (m / ft) (Use negative if below grade)  
**D5 Well Yield Estimate:** 75 gph (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: 19 10 7 2 0 5  
 Static Water Level (SWL): 63' (m / ft)  
 Pump Intake Set at: \_\_\_\_\_ (m / ft)  
 Duration of pumping: \_\_\_\_\_ hrs \_\_\_\_\_ min  
 Final Water Level (FWL) at end of Pumping Test: \_\_\_\_\_ (m / ft)

**RECOMMENDATIONS**

Recomm. Pump Depth: 155' (m / ft)  
 Recomm. Pumping Rate: 5 gph (Lps. / gpm)  
 If flowing, provide rate: 75 gph (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: \_\_\_\_\_  
 Electrical Conductivity: \_\_\_\_\_ uS  
 pH: \_\_\_\_\_  
 Temperature: \_\_\_\_\_ °C

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

**Groundwater Type:**  
 Salty  
 Sulphur / Egg Odour  
 Organic Taste / Odour  
 Metallic Taste  
 Other: \_\_\_\_\_

**Well Disinfection:**  
 Was the well disinfected upon completion of the pump installation?  YES  NO  
 Briefly describe method of well disinfection:  
 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:  
 OPTERA

**WELL CONTRACTOR**

H1 Name of Contractor / Drilling Company: 13634 Yukon Inc  
 H2 Name of Driller(s): \_\_\_\_\_  
 H3 Address: \_\_\_\_\_  
 Signature of Primary Driller: \_\_\_\_\_  
 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: \_\_\_\_\_

**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