

COPY 47



WATER WELL DRILLERS FORM

Well Record Page 1 of 2

Well ID:

To be assigned by Dept. Of Environment

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

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)

A2 Drilled For: [REDACTED] Company / Department / Organization

A3 Street Address of Well Location: Hot Springs Rd.

A4 Town / Village / Area / Lot #:

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

135° 12.79 W Easting 60° 50.892 W Northing

A6 Elevation of Top of Casing: 22.58 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 (wt) 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 4.8	grey	clay		
	4.8 9.5	brown	sandy clay	silt	
	9.5 17.6	brown	sand & silt		
	17.6 19.2	grey	fine sand dry		
	19.2 21.2	grey	wet sand		
	21.2 21.4	grey	course, clean sand		
	21.4 21.5	grey	gravel		
	21.5 22.2	grey	course sand		
	22.2 22.5	grey	gravel		

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed: 0 3 0 6 2 0 0 6 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: OVERBURDEN BEDROCK

In what geological material is the water producing zone located?

C3 Outside Diameter: 6 (cm / in)

C4 Casing Material: Steel Plastic

C5 Casing Wall Thickness: 2.50 (cm / in)

C6 Casing Depth to: (m / ft)

C7 Other Comments Regarding Casing:

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

C8 Seal Material Type: Bentonite Chips (i.e. Bentonite)
 C9 Diameter of Seal: 10" (cm) (In)
 C10 Seal Depth from: 0 (m) (ft)
 C11 Seal Depth to: 1.8 (m) (ft)
 C12 Volume Placed: (m³ / ft³)

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" (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: 2.257 (m) (ft)
 C18 Depth to: 2.22 (m) (ft)
 Slot Size / Perforation Dia: 20 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:

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: 6 (m) (ft) Well Pit (NOT PERMITTED) None (well not completed)
 D3 Well Head Stick-up (above ground surface): 2.6 (m) (ft) (Use negative if below grade)
 D4 Static Water Level (below top of casing): 1.83 (m) (ft) (Use negative if below grade)
 D5 Well Yield Estimate: 112 (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: 03/06/2006
 Static Water Level (SWL): 1.83 (m) (ft)
 Pump Intake Set at: 2.10 (m) (ft)
 Duration of pumping: 2 hrs min
 Final Water Level (FWL) at end of Pumping Test: 1.846 (m) (ft)

RECOMMENDATIONS

Recomm. Pump Depth: 2.15 (m) (ft)
 Recomm. Pumping Rate: 10 (Lps / gpm)
 If flowing, provide rate: (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

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 Name of Contractor / Drilling Company: Christy Water Resources
 H2 Name of Driller(s):
 Signature of Primary Driller:
 Date Submitted to Dept. Of Environment: 03/06/2006

CONSULTANT (If applicable)

Company Name:
 12 Company Address:
 13 Report Reference:
 14 Report Date:

ADDITIONAL INSTRUCTIONS