

R 20411049

COPY 61



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

WATER WELL DRILLERS FORM

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 1063 PLAN 89-134

A4 Town / Village / Area / Lot #: YUKON RIVER BRIDGE, WHITEHORSE

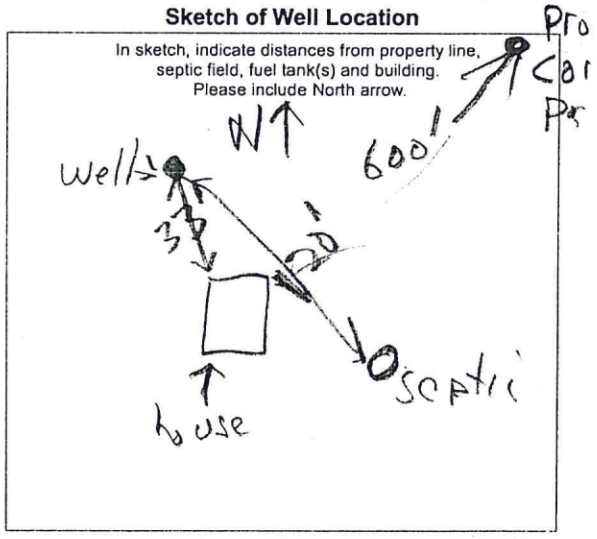
A5 UTM Coordinates (using handheld GPS): NAD 8 3 Zone 0 8

5 1 9 4 6 9 6 7 1 5 3 7 9
Easting Northing

A6 Elevation of Top of Casing: 680m m / ft ASL

A7 Accuracy of GPS: ± 8m +/- 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, redsh, 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%
trace gravel some silt

MOISTURE: dry / moist / saturated (wet)
HARDNESS: soft / hard / very hard
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			Silt & clay with rocks	
12	80		SAND		course

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 1 0 0 7 / 2 0 0 6
D D M M Y 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 9/8 (cm / in) C4 Casing Material Steel Plastic Other

C5 Casing Wall Thickness 1.250 (cm / in) C6 Casing Depth to: 75 (m / ft) C7 Other Comments Regarding Casing:

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

C8 Seal Material Type: Bentonite (i.e. Bentonite)
C9 Diameter of Seal: 1.0 (cm / in)
C10 Seal Depth from: 15 (m / ft)
C11 Seal Depth to: 15 (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):
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
C16 Screen Type: Sandblaster Screen by MASSE
C17 Depth from: 56 (m / ft)
C18 Depth to: 80 (m / ft)
C19 Screen Comments: Sandblaster Screen by MASSE

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Water Jetting
D2 Well Head Completion: Pitless Adaptor
D3 Well Head Stick-up: 18 inches (m / ft)
D4 Static Water Level: 41' (m / ft)
D5 Well Yield Estimate: 157 (Lps / gpm)
D6 Final Well Status: Water Supply (in use)
D7 Well Abandonment Status: YES
D8 Method Used to Estimate Well Yield: Air Lifting

PUMPING TEST RECORD AND GROUNDWATER QUALITY

E1 Pumping Test Information
Pumping Test Start Date:
Static Water Level (SWL):
Pump Intake Set at:
Duration of pumping:
Final Water Level (FWL) at end of Pumping Test:
RECOMMENDATIONS
Recomm. Pump Depth:
Recomm. Pumping Rate:
If flowing, provide rate:

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Water Level (m / ft) for Drawdown, Time (min), Water Level (m / ft) for Recovery. Rows from 0 to 60 minutes.

G1 GROUNDWATER QUALITY

Field Data
Date Measurements Taken:
Electrical Conductivity:
pH:
Temperature:
Turbidity/Sand Content: Clear

Bacteria Testing
Was a sample taken? YES
Date Sample Taken: 02/08/2006
If yes, indicate the name of the laboratory: Whitehorse

Chemical Analysis of Water
Was a sample taken? YES
Date Sample Taken: 02/08/2006
If yes, indicate the name of the laboratory: ACS

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Mac Donnell Water Resource
H2 Name of Driller(s):
H3 Address of Driller:
Signature of Primary Driller:
Date Submitted to Dept. Of Environment: 1/7/08

CONSULTANT (If applicable)

I1 Company Name:
I2 Company Address:
I3 Report Reference:
I4 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