

**WATER WELL
DRILLERS FORM**

Well Record Page 1 of 2

Well ID: **20140321**
To be assigned by Dept. Of Environment

960

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)

Company / Department / Organization []

A2 Drilled For: [REDACTED]

A3 Street Address of Well Location: **LOT 1011-5-2 QUAD 105E03**

A4 Town / Village / Area / Lot #: **GRIZZLY VALLEY SUBDIVISION W/SE, YT**

A5 UTM Coordinates (using handheld GPS): NAD **83** Zone **08**

9 8 7 5 4 8 Easting **6 7 6 4 4 8 6** Northing

A6 Elevation of Top of Casing: **761 m** m / ft ASL

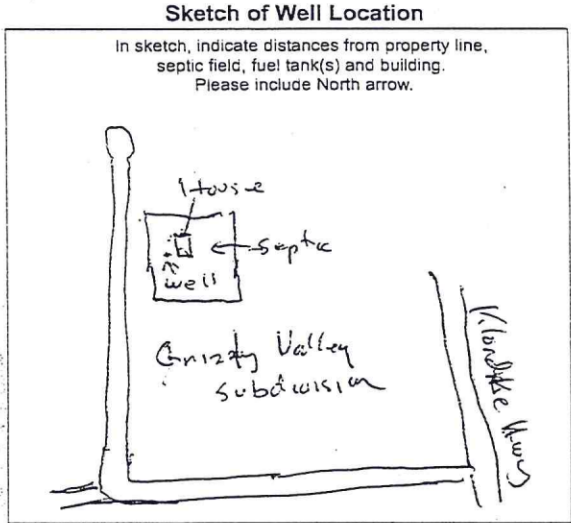
A7 Accuracy of GPS: **+/- 9 m** +/- m / ft

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)

Depth (m / ft)	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	0	7	brown	Silt	sand	dry
7	7	58	grey	gravel	sand	dry + abrasive
58	58	59	grey	sand		course

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed: **01052006**
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: OVERBURDEN BEDROCK

In what geological material is the water producing zone located? []

Casing (depth below ground surface, please circle appropriate units)

C3 Outside Diameter: **6 5/8** (cm / in)

C4 Casing Material: Steel Plastic Other []

C5 Casing Wall Thickness: **250** (cm / in)

C6 Casing Depth to: **55** (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: 10 (cm / in)
 C10 Seal Depth from: 0 (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):
 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: 4.5 (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: 55 (m / ft)
 C18 Depth to: 54 (m / ft)
 Slot Size / Perforation Dia: 03-30 Thou. / mm / inches
 Screen 1: 55 (m / ft) 54 (m / ft) 03-30 Thou. / mm / inches
 Screen 2: (m / ft) (m / ft) Thou. / mm / inches
 Screen 3: (m / ft) (m / ft) Thou. / mm / inches
 C19 Screen Comments: Sand blocker

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: 7 (m / ft)
 Well Pit (NOT PERMITTED)
 None (well not completed)
 D3 Well Head Stick-up (above ground surface): 18 inches (m / ft)
 (Use negative if below grade)
 D4 Static Water Level (below top of casing): 35 (m / ft)
 (Use negative if below grade)
 D5 Well Yield Estimate: 20 (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:
 Static Water Level (SWL): 28 (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: (m / ft)
 Recomm. Pumping Rate: (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: 09/08/2006
 If yes, indicate the name of the laboratory: Whitehorse

Chemical Analysis of Water

Was a sample taken? YES NO
 Date Sample Taken: 09/08/2006
 If yes, indicate the name of the laboratory: ACS

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: McDonnell Water R
 H2 Name of Driller(s):
 H3 Address of Driller:

 Date Submitted to Dept. Of Environment:

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