

WATER WELL DRILLERS FORM

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

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.

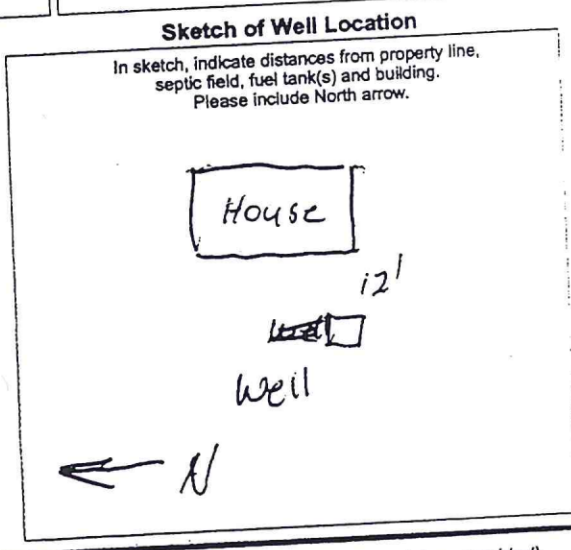
WELL LOCATION AND OWNER'S INFORMATION

A1 Well Name: Optional (i.e. City Well No. 2)
Company / Department / Organization

A2 Drilled For: [REDACTED]
A3 Street Address of Well Location: Ibex Valley
A4 Town / Village / Area / Lot #: Lot 1200
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
 - Commercial
 - Industrial
 - Test Well
 - Municipal
 - Agricultural
 - Irrigation
 - Observation - Water Level
 - Public/Recreational
 - Environmental (Quality)
 - Other (please identify use)



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

EXAMPLE ONLY →	Depth (m / ft)	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
	B2 From				
	B3 To				
	0'	12'	Clay Sand	Sand & Gravel	soft and saturated
	12'	28'	wet sand	Clay + Gravel	
	28'	33'	Big Rock	wet sand	
	33'	38'	glacial till		
	38'	44'	glacial till		
	44'	54'	Hard glacial till		
	54'	65'	Clay + Gravel	Dry Gravel + wet	
	65'	70'	Clay	Water	
	70'	91'	Coarse Gravel		
	91'	96.6'			

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

WELL CONSTRUCTION (Continues on Page 2)

C1 Drilling Method Air Rotary (Conventional) Dug
 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: 6.625 (cm / in)
C4 Casing Material Steel Plastic Other

C5 Casing Wall Thickness: .250 (cm / in)
C6 Casing Depth to: 96'6" (m / ft)

C7 Other Comments Regarding Casing

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

C8 Seal Material Type: Cement (i.e. Bentonite)
 C9 Diameter of Seal: _____ (cm / in)
 C10 Seal Depth from: _____ (m / ft)

C11 Seal Depth to: 10' (m / ft)

C12 Volume Placed: 1.5 Cu. m (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: _____ (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) _____ (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 Pileless 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): 40 (m / ft) (Use negative if below grade)
 D5 Well Yield Estimate: 10 GPM (Lps / gpm)
 D6 Final Well Status: Water Supply (In use) Stand by (Back-up) Observation Not in use Deepened Other: _____
 Abandoned Dry Poor Quality Insufficient Yield
 If well was abandoned, please give reason: _____
 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: 2 7 0 9 2 0 0 5
 Static Water Level (SWL): 40' (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: 85' (m / ft)
 Recomm. Pumping Rate: 7 GPM (Lps / gpm)
 If flowing, provide rate: 10 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: 0 3 1 0 2 0 0 5
 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: Bleach

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: 13634 Yukon Exc
 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