2041005 22

257.

sheet ____ of ____

WELL FORM

Impact Drilling 867-668-6943

6" - 12" • Water W... • Pump Installation • Exploration • Dual Rota... Rig • Pilings

105D10

Owner name: Caitlin Moorcroft

Mailing address: ____ City / Town: Whitehorse Prov. / Terr. YT Postal Code ____

Well Location Address: Street No. 41 Street name Bluebird Hill City / Town Marsh Lake

OR **Legal description:** Lot ____ Plan ____ D.L. ____ Block ____

OR **PID:** ____ AND **Description of well location** (attach sketch if nec.): Approx 40' before house on left of driveway 540561;

NAD 83: Zone: 08V AND **UTM Easting:** 0540561 m OR **Latitude:** 6708708

UTM Northing: 6708705 m **Longitude:** ____

Method of drilling: ☐ air rotary ☑ dual rotary ☐ cable tool ☐ mud rotary ☐ auger ☐ driving ☐ jetting ☐ other (specify) ____

Orientation of well: ☑ vertical ☐ horizontal Ground elevation 636m ± m ft (asl) Method: ____

Class of well: ____

Water supply wells, indicate water use: ☑ private domestic ☐ water supply system ☐ irrigation ☐ commercial or industrial

☐ other (specify) ____

LITHOLOGIC DESCRIPTION

From ft (bgl)	To ft (bgl)	Surficial Material: Clay	Silt	Till	Sand with clay/silt	Sand, fine-med	Sand, med-coarse	Sand with gravel	Bedrock Material: Siltstone/Shale	Sandstone	Granodiorite	Limestone	Basalt	Volcanic	Crystalline	Other Surficial Bedrock	Color: Red	Orange	Brown	Black	Light Grey	Blue	Green	Dark Grey	Hardness: Very Hard	Hard	Dense / Stiff	Loose	Water Content: Dry	Moist	Wet	High Production	Lost circulation	Not available	Observations (e.g. other geological materials (e.g. boulders), est. water bearing flow (USgpm), or closure details)
0	20	○	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	○	
20	40	◉	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	
40	42	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	gravy tobacco
42	164	◉	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	◉	○	◉	○	○	○	○	○	○	○	○	clay
164	165	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
165	174	◉	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	◉	○	○	○	○	○	○	◉	○	○	○	
174	177	○	○	○	○	○	○	◉	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	

CASING DETAILS

From ft (bgl)	To ft (bgl)	Dia in	Casing Material / Open Hole	Wall Thickness in	Drive Shoe
0	174	6⅝	Steel	219	D.S

Surface seal: Type Bentonite Depth 15 ft

Method of installation ☑ Poured ☐ Pumped Thickness 10 in

Backfill: Type ____ Depth ____ ft

Liner: ☐ PVC ☐ Other (specify): ____

Diameter ____ in Thickness ____ in

From ____ ft (bgl) To ____ ft (bgl)

Perforated: From ____ ft (bgl) To ____ ft (bgl)

SCREEN DETAILS

From ft (bgl)	To ft (bgl)	Dia in	Type	Slot Size
				2

Intake: ☐ Screen ☐ Open bottom ☐ Uncased hole

Screen type: ☐ Telescope ☐ Pipe size

Screen material: ☐ Stainless steel ☐ Plastic ☐ Other: ____

Screen opening: ☐ Continuous slot ☐ Slotted ☐ Perforated pipe

Screen bottom: ☐ Bail ☐ Plug ☐ Plate ☐ Other: ____

Filter pack: From ____ ft To: ____ ft Thickness: ____ in

Type and size of material: ____

DEVELOPED BY

☑ Air lifting ☐ Surging ☐ Jetting ☐ Pumping ☐ Bailing

Other (specify): ____ Total duration: ____ hrs

Notes: ____

WELL YIELD ESTIMATED BY

☐ Pumping ☑ Air lifting ☐ Bailing ☐ Other (specify): ____

Rate: ____ USgpm Durtation: ____ hrs

SWL before test: ____ ft (btoc) Pumping water level: ____ ft (btoc)

OBVIOUS WATER QUALITY CHARACTERISTICS

☐ Fresh ☐ Salty ☑ Clear ☐ Cloudy ☐ Sediment ☐ Gas

Colour / Odour: ____ Water sample collected: ☐

WELL DRILLER (print clearly)

Name (first, last): Brian MacDougall

Consultant (if applicable; name & company) ____

Signature of Driller Responsible ____

FINAL WELL COMPLETION DATA

Total depth drilled: 177 ft Finished well depth: 177 ft (bgl)

Final stick up: 18 in Depth to bedrock : ____ ft (bgl)

SWL: ____ ft (bgl) Estimated well yield 3 USgpm

Artesian flow: ____ USgpm, or Artesian pressure: ____ f

Type of well cap: Locking Well disinfected: ☑ Yes ☐ No

Where well ID plate is attached: ____

WELL CLOSURE INFORMATION

Reason for closure: ____

Method of closure: ☐ Poured ☐ Pumped

Sealant Material: ____ Backfill material: ____

Details of closure: ____

DATE OF WORK (yyyy/mm/dd)

Started: Aug 22 **Completed** Aug 25/1

Comments: ____

PLEASE NOTE: The information recorded in this well report describes the works and hydrogeologic conditions at the time of construction, alteration or closure as the case may be. Well performance and water quality are not guaranteed as they are influenced by a number of factors, including natural variability, human activities and condition of the works, which m change over time.

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