Yukon

ENVIRONMENT

WATER WELL DRILLING

Well ID: YOWN 22-06 ☐ Metric ☒ Imperial

Well information

Well address and lot number (if applicable)	Sketch of well location (please include a north arrow)
City TESLIN	
Province/territory YT / Postal code	
Elevation of top of casing (m/ft) / NAD 83: Zone	
UTM easting / UTM northing	

Purpose of well: ☐ domestic ☐ irrigation ☐ municipal ☐ commercial ☐ industrial ☒ environmental ☐ other: _____

Drilling method: ☒ sonic ☐ air rotary ☐ mud rotary ☐ auger ☐ other: _____

Well construction

Date well completed: YYYY/MM/DD

Casing	Screen
Outside diameter (cm/in): 2"	Outside diameter (cm/in): 2"
Casing material: PVC	Screen material: PVC
Wall thickness (cm/in):	Screen type:
Casing depth (m/ft):	Depth / Slot size
Liner: ☐ PVC ☐ Other: _____	From: 45 to: 55 bgs (m/ft) cm/in
Surface seal	From: to: (m/ft) cm/in
Type / Diameter (cm/in)	From: to: (m/ft) cm/in
Depth (m/ft) / Volume (m^3/ft^3)	From: to: (m/ft) cm/in

Gravel pack

☐ No ☐ Yes If yes, depth (m/ft): | Type: | Diameter (cm/in):

Well development and status

Final well data: Stick-up: 0.981 (m)/ft) SWL: _____ (m/ft, btoc) Well cap: _____

Artesian flow: ☐ No ☐ Yes

Developed by: ☐ Surging ☐ Air lifting ☐ Jetting ☐ Pumping ☐ Bailing ☐ Other: _____

Well yield by: ☐ Air lifting ☐ Pumping ☐ Bailing ☐ Other: _____ Rate: _____ (lps/gpm)

Duration: _____ (hrs)

Water quality: ☐ Fresh ☐ Clear ☐ Cloudy ☐ Sediment ☐ Gas ☐ Temp.: _____

Colour: _____ Odour: _____

Closure: Reason of closure: _____ Method of closure: _____

Sealant material: _____ Backfill material: _____

Well contractor		
Drilling company [redacted]		Drilling date 2022/05/10
Consultant (if applicable)		
Company name	Report reference TESCIN #1 (2 of)	

Log of overburden and bedrock materials

All depths are below ground surface – mark an "X" in applicable descriptors provided. Use codes for relative abundance of Surficial Material of each major class, such as P = primary, S = secondary, T = trace

From m/ft (bgl)	To m/ft (bgl)	Surficial material							Bedrock material								Colour								Hardness				Water content						Other observations [e.g. other geological materials (e.g. boulders), visible ice, est. water bearing flow (USgpm), or closure details]
		Clay	Silt	Till	Sand with clay/silt	Sand, fine-med	Sand, med-coarse	Sand with gravel	Siltstone/shale	Sandstone	Conglomerate	Limestone	Basalt	Volcanic	Cyrstalline	Other surficial	Red	Orange	Brown	Tan	Light grey	Blue	Green	Dark grey	Very hard	Hard	Moderate	Loose	Dry	Moist	Saturated	High production	Lost circulation	Frozen	
43	57							X																X				X		X					49-50 V. coarse sand, Sat
57	63						X	X																X			X		X						well graded
63	195	X	X																					X					X						moist 63-64
																									X				X						

Permafrost encountered: ☒ No ☐ Yes If yes, indicated depth: from _____ to _____ (m/ft)

Upon completing this form, please email it to: Water.Resources@yukon.ca. If mail is preferred, please send to: Water Resources Branch (V-310), Department of Environment, Government of Yukon, Box 2703, Whitehorse, Yukon, Y1A 2C6. Please feel free to contact us at: Phone: (867) 667-3171; Toll free (in Yukon): (1-800) 661-0408, Fax: (867) 667-3195, E-mail: Water.Resources@yukon.ca. The contents of the Water Well Drilling Form will be added to the Yukon Water Well Registry, which can be accessed at: https://yukon.ca/groundwater.

Yukon

ENVIRONMENT

WATER WELL DRILLING

Well ID: TESLIN #1 (YOWN-22) ☐ Metric ☒ Imperial

Well information

Well address and lot number (if applicable)

Sketch of well location (please include a north arrow)

City: TESLIN (PULL OUT by HWY)

Province/territory: YT

Postal code

Elevation of top of casing (m/ft)

NAD 83: Zone

UTM easting

UTM northing

Purpose of well: ☐ domestic ☐ irrigation ☐ municipal ☐ commercial ☐ industrial ☒ environmental ☐ other: _____

Drilling method: ☒ sonic ☐ air rotary ☐ mud rotary ☐ auger ☐ other: _____

Well construction

Date well completed: YYYY / MM / DD

Casing

Outside diameter (cm/in):

Casing material:

Wall thickness (cm/in):

Casing depth (m/ft):

Liner: ☐ PVC ☐ Other: _____

Surface seal

Type

Diameter (cm/in)

Depth (m/ft)

Volume (m^3/ft^3)

Screen

Outside diameter (cm/in):

Screen material:

Screen type:

Depth: From:	to:	(m/ft)	Slot size: cm/in
From:	to:	(m/ft)	cm/in
From:	to:	(m/ft)	cm/in
From:	to:	(m/ft)	cm/in

Gravel pack

☐ No ☐ Yes If yes, depth (m/ft):

Type:

Diameter (cm/in):

Well development and status

Final well data: Stick-up: _____ (m/ft) SWL: _____ (m/ft, btoc) Well cap: _____

Artesian flow: ☐ No ☐ Yes

Developed by: ☐ Surging ☐ Air lifting ☐ Jetting ☐ Pumping ☐ Bailing ☐ Other: _____

Well yield by: ☐ Air lifting ☐ Pumping ☐ Bailing ☐ Other: _____ Rate: _____ (lps/gpm)

Duration: _____ (hrs)

Water quality: ☐ Fresh ☐ Clear ☐ Cloudy ☐ Sediment ☐ Gas ☐ Temp.: _____

Colour: _____ Odour: _____

Closure: Reason of closure: _____ Method of closure: _____

Sealant material: _____ Backfill material: _____

Well contractor	
Drilling company [redacted]	Drilling date 2022/05/10
Consultant (if applicable)	
Company name	Report reference TESLIN #1 (1 of) YOWN-2206

Log of overburden and bedrock materials

All depths are below ground surface – mark an "X" in applicable descriptors provided. Use codes for relative abundance of Surficial Material of each major class, such as P = primary, S = secondary, T = trace

From m/ft (bgl)	To m/ft (bgl)	Surficial material							Bedrock material								Colour								Hardness				Water content						Other observations [e.g. other geological materials (e.g. boulders), visible ice, est. water bearing flow (USgpm), or closure details]
		Clay	Silt	Till	Sand with clay/silt	Sand, fine-med	Sand, med-coarse	Sand with gravel	Siltstone/shale	Sandstone	Conglomerate	Limestone	Basalt	Volcanic	Cyrstalline	Other surficial	Red	Orange	Brown	Tan	Light grey	Blue	Green	Dark grey	Very hard	Hard	Moderate	Loose	Dry	Moist	Saturated	High production	Lost circulation	Frozen	
0	3							X											X									X	✓						Poorly sorted
3	4							X													X							X	X						15% gravel
4	7				X			X											X							X				X					<10% gravel
7	9							X											X								X		X						40% gravel
9	13							X											X		X							X	X						fining downwards
13	17					X															X							X	X						
17	30							X													X			X						X					fining downwards
30	34						X																	X						X					fining upwards
34	37						X																	X				X		X					some gravel
37	43						X																	X				X		X					

Permafrost encountered: ☒ No ☐ Yes If yes, indicated depth: from _____ to _____ (m/ft)